



# **Synergy Resources Corporation**

**SEC 5-T5N-R66W**

**Boomerang 21-5**

**Boomerang 28N-3A-L**

**OH**

**Plan #1**

## **Anticollision Report**

**05 April, 2017**

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	17,638.51	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	120.05	113.38	17.988	CC, ES
Boomerang 12C-6-M - OH - Plan #1	300.00	299.98	121.76	114.88	17.685	SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	135.06	128.39	20.237	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	300.00	296.74	137.95	131.06	20.033	SF
Boomerang 13C-6-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 13C-6-M - OH - Plan #1	300.00	299.98	61.74	54.86	8.968	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	75.03	68.36	11.242	CC, ES
Boomerang 13N-6B-M - OH - Plan #1	300.00	300.09	76.67	69.78	11.140	SF
Boomerang 25N-3A-L - OH - Plan #1	200.00	200.00	195.23	188.55	29.252	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	17,638.91	17,339.07	2,275.41	1,662.07	3.710	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	210.12	203.45	31.483	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	17,638.91	17,430.86	2,443.72	1,832.69	3.999	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	15.01	8.33	2.248	CC
Boomerang 28C-3-L - OH - Plan #1	660.50	658.13	15.30	6.81	1.802	ES
Boomerang 28C-3-L - OH - Plan #1	17,631.19	18,104.67	368.31	9.86	1.027	Level 2, SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	165.09	158.42	24.736	CC, ES
Boomerang 32C-6-M - OH - Plan #1	300.00	295.60	168.11	161.22	24.413	SF
Boomerang 32N-6B-M - OH - Plan #1	200.00	200.00	180.09	173.42	26.984	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	400.00	394.19	188.44	181.24	26.190	SF
Boomerang 32N-6C-M - OH - Plan #1	200.00	200.00	150.09	143.42	22.489	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	400.00	395.83	158.21	151.01	21.989	SF
Boomerang 33C-6-M - OH - Plan #1	200.00	200.00	90.06	83.39	13.494	CC, ES
Boomerang 33C-6-M - OH - Plan #1	300.00	299.98	91.77	84.89	13.329	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	300.00	298.53	107.45	100.56	15.609	SF
Boomerang 34C-6-M - OH - Plan #1	200.00	200.00	30.03	23.36	4.499	CC, ES
Boomerang 34C-6-M - OH - Plan #1	7,600.00	7,036.17	236.86	166.02	3.344	SF
Boomerang 34N-6A-M - OH - Plan #1	200.00	200.00	45.03	38.36	6.747	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	7,000.00	7,402.06	317.64	249.37	4.653	SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	15.00	8.32	2.247	CC
Boomerang 34N-6C-M - OH - Plan #1	7,489.07	7,045.31	74.46	4.81	1.069	Level 2, ES, SF
FRAKER #1 - OH - OH	6,336.19	6,271.05	4,138.52	3,891.26	16.737	CC
FRAKER #1 - OH - OH	6,350.00	6,284.70	4,138.67	3,890.86	16.701	ES
FRAKER #1 - OH - OH	6,700.00	6,612.08	4,239.82	3,979.27	16.272	SF
FRAKER J #6-2 - OH - OH	5,322.36	5,226.28	4,192.57	3,986.59	20.354	CC
FRAKER J #6-2 - OH - OH	6,300.00	6,208.68	4,195.49	3,950.53	17.127	ES
FRAKER J #6-2 - OH - OH	6,700.00	6,568.08	4,306.64	4,047.58	16.624	SF

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
Boomerang 21-5						
GREELEY TECH CENTER #41-5 - OH - OH	9,393.80	6,803.71	2,058.56	1,950.23	19.003	CC
GREELEY TECH CENTER #41-5 - OH - OH	9,400.00	6,803.60	2,058.57	1,950.08	18.976	ES
GREELEY TECH CENTER #41-5 - OH - OH	10,000.00	6,792.35	2,145.92	2,025.53	17.824	SF
KELLY # 1-3 - OH - OH	15,944.15	6,889.56	365.86	-134.88	0.731	Level 1, CC, ES, SF
KELLY #2-3 - OH - OH	17,262.21	6,877.01	1,803.62	1,265.93	3.354	CC
KELLY #2-3 - OH - OH	17,300.00	6,877.11	1,804.01	1,265.37	3.349	ES
KELLY #2-3 - OH - OH	17,400.00	6,877.37	1,808.87	1,268.32	3.346	SF
Kelly Farms #12-4-3CHZ - OH - OH	12,360.40	6,887.10	531.42	341.60	2.800	CC
Kelly Farms #12-4-3CHZ - OH - OH	17,400.00	12,016.78	645.92	232.07	1.561	ES, SF
Kelly Farms #22-4-3CHZ - OH - OH	12,430.61	6,922.64	285.06	92.27	1.479	Level 3, CC, ES
Kelly Farms #22-4-3CHZ - OH - OH	17,352.48	11,970.94	423.32	92.40	1.279	Level 3, SF
Kelly Farms #A-4-3CHZ - oH - OH	12,448.08	6,949.68	734.14	541.00	3.801	CC
Kelly Farms #A-4-3CHZ - oH - OH	17,400.00	12,005.00	807.78	370.99	1.849	ES, SF
Kelly Farms #A-4-3NHZ - OH - OH	16,903.79	11,387.37	949.72	510.55	2.163	CC
Kelly Farms #A-4-3NHZ - OH - OH	17,400.00	11,830.19	972.54	504.89	2.080	ES
Kelly Farms #A-4-3NHZ - OH - OH	17,500.00	11,898.00	978.60	506.77	2.074	SF
LA POUDRE SOUTH #4 - OH - OH	200.00	233.00	6,182.14	6,171.62	587.746	CC
LA POUDRE SOUTH #4 - OH - OH	6,311.21	6,269.38	6,277.33	6,030.22	25.403	ES
LA POUDRE SOUTH #4 - OH - OH	6,850.00	6,749.93	6,482.29	6,216.52	24.391	SF
Orr 36C-32-M - OH - OH	6,767.16	15,585.84	2,647.56	2,340.59	8.625	CC
Orr 36C-32-M - OH - OH	7,400.00	16,137.37	2,668.42	2,336.17	8.031	ES
Orr 36C-32-M - OH - OH	7,500.00	16,175.00	2,671.58	2,337.31	7.992	SF
Orr State 36N-35C-M - OH - OH	6,323.49	6,714.00	7,605.17	7,529.32	100.262	CC, ES
Orr State 36N-35C-M - OH - OH	6,500.00	6,714.00	7,630.36	7,553.89	99.783	SF
PEANUT #1 - OH - OH	6,321.08	6,233.13	7,300.28	7,054.34	29.683	CC
PEANUT #1 - OH - OH	6,350.00	6,261.70	7,300.93	7,053.85	29.549	ES
PEANUT #1 - OH - OH	6,850.00	6,703.93	7,503.58	7,239.40	28.402	SF
REICHERT #1-6 - OH - OH	6,315.46	6,275.58	5,879.07	5,631.67	23.763	CC
REICHERT #1-6 - OH - OH	6,350.00	6,309.70	5,879.98	5,631.22	23.637	ES
REICHERT #1-6 - OH - OH	6,800.00	6,716.13	6,049.15	5,784.64	22.869	SF
ROTHE #1-14 - OH - OH	6,341.71	6,300.49	8,298.33	8,050.05	33.424	CC
ROTHE #1-14 - OH - OH	6,350.00	6,307.70	8,298.38	8,049.82	33.385	ES
ROTHE #1-14 - OH - OH	6,900.00	6,782.95	8,528.17	8,261.23	31.948	SF
SOUTH #6-21D - OH - OH	2,693.89	2,396.92	5,455.06	5,426.88	193.574	CC
SOUTH #6-21D - OH - OH	3,000.00	2,689.08	5,456.11	5,423.85	169.096	ES
SOUTH #6-21D - OH - OH	6,700.00	6,870.81	5,900.70	5,822.33	75.288	SF
SOUTH #6-22D - OH - OH	2,632.17	2,230.74	5,477.58	5,455.09	243.497	CC
SOUTH #6-22D - OH - OH	2,700.00	2,264.82	5,477.80	5,454.84	238.612	ES
SOUTH #6-22D - OH - OH	6,700.00	6,620.34	5,786.94	5,725.25	93.802	SF
SOUTH #6-23D - OH - OH	1,859.90	1,433.25	5,510.07	5,494.28	349.114	CC
SOUTH #6-23D - OH - OH	1,900.00	1,449.24	5,510.15	5,494.13	343.769	ES
SOUTH #6-23D - OH - OH	6,700.00	6,712.23	5,985.36	5,919.99	91.558	SF
SOUTH #6-24D - OH - OH	1,655.15	1,221.09	5,517.97	5,503.84	390.436	CC
SOUTH #6-24D - OH - OH	1,700.00	1,248.55	5,518.05	5,503.59	381.717	ES
SOUTH #6-24D - OH - OH	9,500.00	9,500.00	8,845.74	8,723.35	72.276	SF
SRC #31-5D - OH - OH	7,929.67	7,110.65	1,930.07	1,854.82	25.646	CC
SRC #31-5D - OH - OH	8,000.00	7,109.40	1,931.36	1,854.69	25.192	ES
SRC #31-5D - OH - OH	8,800.00	7,096.17	2,117.17	2,024.44	22.832	SF
SRC Northridge #11-4D - OH - OH	10,600.00	7,327.41	1,828.77	1,614.83	8.548	SF
SRC Northridge #11-4D - OH - OH	10,662.51	7,326.02	1,827.70	1,614.19	8.560	CC, ES
SRC Northridge #12-4D - OH - OH	10,776.16	7,160.52	519.42	313.48	2.522	CC, ES
SRC Northridge #12-4D - OH - OH	10,800.00	7,160.35	519.96	313.80	2.522	SF
SRC Northridge #21-4D - OH - OH	11,971.30	7,014.56	1,853.44	1,669.19	10.059	CC

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<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
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<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
Boomerang 21-5						
SRC Northridge #21-4D - OH - OH	12,000.00	7,014.05	1,853.66	1,668.84	10.030	ES
SRC Northridge #21-4D - OH - OH	12,200.00	7,010.57	1,867.49	1,679.58	9.938	SF
SRC Northridge #22-4D - OH - OH	11,966.76	5,065.90	1,895.93	1,833.93	30.577	CC
SRC Northridge #22-4D - OH - OH	12,000.00	5,065.90	1,896.22	1,833.70	30.328	ES
SRC Northridge #22-4D - OH - OH	12,600.00	5,065.90	1,998.89	1,928.13	28.249	SF
SRC Northridge #4AD - OH - OH	11,398.75	7,061.13	1,016.26	830.34	5.466	CC
SRC Northridge #4AD - OH - OH	11,400.00	7,061.09	1,016.26	830.33	5.466	ES, SF
SRC Northridge #4KD - OH - OH	11,200.00	6,900.00	330.94	169.77	2.053	ES, SF
SRC Northridge #4KD - OH - OH	11,213.60	6,900.00	330.66	169.81	2.056	CC
SRC Wiedeman #11-5-3NCHZ - OH - OH	301.80	304.61	537.33	530.44	78.034	CC, ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	17,500.00	16,845.00	1,529.30	899.18	2.427	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	327.79	332.07	528.17	521.14	75.085	CC, ES
SRC Wiedeman #12-5-4CHZ - OH - OH	12,200.00	11,723.00	999.43	704.18	3.385	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	366.87	373.37	524.91	517.74	73.223	CC
SRC Wiedeman #12-5-4NCHZ - OH - OH	12,100.00	11,650.00	747.75	451.56	2.525	ES, SF
SRC Wiedeman #21-5-3CHZ - OH - OH	267.01	267.16	548.93	542.15	80.991	CC, ES
SRC Wiedeman #21-5-3CHZ - OH - OH	17,200.00	16,474.00	2,132.27	1,517.52	3.468	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	246.27	243.96	545.74	539.00	81.036	CC, ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	17,500.00	16,792.00	1,738.99	1,102.89	2.734	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	7,377.38	7,004.09	165.60	99.21	2.494	CC, ES
SRC Wiedeman #22-5-4CHZ - OH - OH	12,051.72	11,789.42	433.56	249.80	2.359	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	268.11	267.32	534.58	527.72	77.961	CC
SRC Wiedeman #A-5-3NBHZ - OH - OH	300.00	300.53	534.63	527.68	76.994	ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	17,414.19	16,769.00	1,291.40	661.09	2.049	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	4,724.68	0.00	1,225.27	1,203.22	55.563	CC, ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	6,650.00	1,946.15	1,378.38	1,338.71	34.743	SF
WIEDEMAN #18-5 - OH - OH	2,329.00	2,312.11	980.00	955.98	40.797	CC
WIEDEMAN #18-5 - OH - OH	2,600.00	2,576.53	981.30	955.03	37.355	ES
WIEDEMAN #18-5 - OH - OH	6,400.00	6,319.64	1,243.15	1,185.89	21.709	SF
WIEDEMAN #22-5 - OH - OH	3,798.71	3,932.36	114.67	67.07	2.409	CC, ES, SF
WIEDEMAN #25-5 - OH - OH	3,665.35	3,715.88	886.80	844.84	21.135	CC
WIEDEMAN #25-5 - OH - OH	3,700.00	3,745.18	886.90	844.53	20.934	ES
WIEDEMAN #25-5 - OH - OH	6,450.00	6,605.18	934.93	862.61	12.927	SF
WIEDEMAN #29-5 - OH - OH	100.00	59.88	1,043.82	1,037.24	158.812	CC, ES
WIEDEMAN #29-5 - OH - OH	6,800.00	6,787.57	2,548.49	2,486.93	41.399	SF
WIEDEMAN #3-5 - OH - OH	1,371.83	1,419.82	988.36	973.29	65.568	CC
WIEDEMAN #3-5 - OH - OH	1,400.00	1,442.72	988.47	973.12	64.411	ES
WIEDEMAN #3-5 - OH - OH	7,250.00	6,886.22	1,966.66	1,899.62	29.337	SF
WIEDEMAN #4-5 - OH - OH	100.00	55.87	1,033.21	1,026.63	157.223	CC, ES
WIEDEMAN #4-5 - OH - OH	6,500.00	6,514.32	2,242.49	2,183.30	37.889	SF
WIEDEMAN #5-5 - OH - OH	100.00	57.07	1,012.98	1,006.41	154.135	CC, ES
WIEDEMAN #5-5 - OH - OH	6,400.00	6,425.49	1,489.03	1,421.40	22.015	SF
WIEDEMAN #6-5 - OH - OH	4,700.00	4,884.51	147.60	97.54	2.949	SF
WIEDEMAN #6-5 - OH - OH	4,742.60	4,926.26	147.40	97.43	2.950	CC, ES

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		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			Warning		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S	+E/-W	(ft)	(ft)	(ft)						

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	119.48	11.69	120.05					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	119.48	11.69	120.05	113.48	6.57	18.275		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	119.48	11.69	120.05	113.38	6.67	17.988 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	168.79	119.48	11.69	121.76	114.88	6.89	17.685 SF		
400.00	399.84	397.66	397.65	3.59	3.60	169.87	120.14	13.22	127.75	120.56	7.19	17.759		
500.00	499.45	494.51	494.36	3.79	3.79	172.23	122.10	17.75	139.01	131.41	7.60	18.302		
600.00	598.70	589.98	589.48	4.04	4.02	175.32	125.29	25.15	155.84	147.76	8.08	19.292		
660.50	658.52	646.84	645.99	4.20	4.17	177.33	127.79	30.94	168.84	160.43	8.41	20.087		
700.00	697.51	683.61	682.46	4.31	4.28	178.64	129.65	35.24	178.23	169.60	8.63	20.661		
800.00	796.22	777.36	775.19	4.63	4.56	-178.13	135.11	47.90	203.66	194.45	9.20	22.126		
900.00	894.93	873.32	870.02	4.98	4.87	-175.44	140.93	61.38	230.00	220.18	9.82	23.414		
1,000.00	993.64	969.29	964.86	5.34	5.21	-173.31	146.75	74.86	256.72	246.24	10.48	24.498		
1,100.00	1,092.35	1,065.25	1,059.70	5.73	5.56	-171.57	152.57	88.34	283.71	272.54	11.17	25.403		
1,200.00	1,191.06	1,161.22	1,154.53	6.13	5.92	-170.14	158.39	101.82	310.90	299.02	11.88	26.164		
1,300.00	1,289.78	1,257.18	1,249.37	6.54	6.30	-168.94	164.21	115.29	338.25	325.63	12.62	26.804		
1,400.00	1,388.49	1,353.15	1,344.20	6.95	6.69	-167.92	170.03	128.77	365.71	352.33	13.37	27.344		
1,500.00	1,487.20	1,449.11	1,439.04	7.38	7.08	-167.03	175.85	142.25	393.26	379.12	14.14	27.802		
1,600.00	1,585.91	1,545.08	1,533.87	7.81	7.48	-166.27	181.66	155.73	420.89	405.96	14.93	28.193		
1,700.00	1,684.62	1,641.04	1,628.71	8.25	7.89	-165.60	187.48	169.21	448.58	432.85	15.72	28.528		
1,800.00	1,783.33	1,737.01	1,723.54	8.70	8.30	-165.00	193.30	182.69	476.32	459.79	16.53	28.816		
1,900.00	1,882.04	1,832.97	1,818.38	9.15	8.72	-164.48	199.12	196.17	504.10	486.76	17.34	29.066		
2,000.00	1,980.75	1,928.94	1,913.21	9.60	9.13	-164.00	204.94	209.65	531.92	513.75	18.16	29.284		
2,100.00	2,079.46	2,024.90	2,008.05	10.05	9.56	-163.58	210.76	223.13	559.77	540.77	18.99	29.475		
2,200.00	2,178.17	2,120.87	2,102.89	10.51	9.98	-163.19	216.58	236.60	587.64	567.81	19.82	29.643		
2,300.00	2,276.88	2,216.83	2,197.72	10.97	10.41	-162.84	222.40	250.08	615.53	594.87	20.66	29.791		
2,400.00	2,375.59	2,312.80	2,292.56	11.43	10.84	-162.52	228.22	263.56	643.45	621.95	21.50	29.922		
2,500.00	2,474.31	2,408.76	2,387.39	11.89	11.27	-162.23	234.03	277.04	671.38	649.03	22.35	30.039		
2,600.00	2,573.02	2,504.73	2,482.23	12.36	11.70	-161.96	239.85	290.52	699.33	676.13	23.20	30.144		
2,700.00	2,671.73	2,600.69	2,577.06	12.82	12.14	-161.71	245.67	304.00	727.29	703.24	24.05	30.238		
2,800.00	2,770.44	2,703.34	2,671.90	13.29	12.60	-161.48	251.49	317.48	755.26	730.32	24.94	30.286		
2,900.00	2,869.15	2,792.62	2,766.73	13.76	13.01	-161.26	257.31	330.96	783.24	757.48	25.77	30.399		
3,000.00	2,967.86	2,888.59	2,861.57	14.23	13.45	-161.06	263.13	344.44	811.24	784.61	26.63	30.469		
3,100.00	3,066.57	2,984.55	2,956.40	14.70	13.89	-160.87	268.95	357.92	839.24	811.75	27.49	30.532		
3,200.00	3,165.28	3,080.52	3,051.24	15.17	14.32	-160.70	274.77	371.39	867.25	838.89	28.35	30.589		
3,300.00	3,263.99	3,176.48	3,146.08	15.64	14.76	-160.54	280.59	384.87	895.26	866.04	29.22	30.642		
3,400.00	3,362.70	3,272.45	3,240.91	16.11	15.21	-160.38	286.40	398.35	923.28	893.20	30.08	30.690		
3,500.00	3,461.41	3,368.42	3,335.75	16.59	15.65	-160.24	292.22	411.83	951.31	920.36	30.95	30.734		
3,600.00	3,560.12	3,464.38	3,430.58	17.06	16.09	-160.10	298.04	425.31	979.34	947.52	31.82	30.774		
3,700.00	3,658.84	3,560.35	3,525.42	17.53	16.53	-159.97	303.86	438.79	1,007.38	974.69	32.69	30.812		
3,800.00	3,757.55	3,656.31	3,620.25	18.01	16.98	-159.85	309.68	452.27	1,035.42	1,001.86	33.57	30.847		
3,900.00	3,856.26	3,752.28	3,715.09	18.48	17.42	-159.74	315.50	465.75	1,063.47	1,029.03	34.44	30.879		
4,000.00	3,954.97	3,848.24	3,809.92	18.96	17.86	-159.63	321.32	479.23	1,091.52	1,056.20	35.31	30.908		
4,100.00	4,053.68	3,944.21	3,904.76	19.44	18.31	-159.52	327.14	492.70	1,119.57	1,083.38	36.19	30.936		
4,200.00	4,152.39	4,040.17	3,999.59	19.91	18.75	-159.42	332.96	506.18	1,147.63	1,110.56	37.07	30.962		
4,300.00	4,251.10	4,136.14	4,094.43	20.39	19.20	-159.33	338.77	519.66	1,175.69	1,137.75	37.94	30.986		
4,400.00	4,349.81	4,232.10	4,189.27	20.87	19.65	-159.24	344.59	533.14	1,203.75	1,164.93	38.82	31.008		
4,500.00	4,448.52	4,328.07	4,284.10	21.34	20.09	-159.15	350.41	546.62	1,231.82	1,192.12	39.70	31.029		
4,600.00	4,547.23	4,424.03	4,378.94	21.82	20.54	-159.07	356.23	560.10	1,259.88	1,219.31	40.58	31.049		
4,700.00	4,645.94	4,520.00	4,473.77	22.30	20.99	-158.99	362.05	573.58	1,287.95	1,246.50	41.46	31.067		
4,800.00	4,744.65	4,615.96	4,568.61	22.78	21.43	-158.92	367.87	587.06	1,316.02	1,273.69	42.34	31.084		
4,900.00	4,843.37	4,711.93	4,663.44	23.26	21.88	-158.85	373.69	600.54	1,344.10	1,300.88	43.22	31.100		
5,000.00	4,942.08	4,807.89	4,758.28	23.74	22.33	-158.78	379.51	614.01	1,372.17	1,328.07	44.10	31.115		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,903.86	4,853.11	24.21	22.77	-158.71	385.33	627.49	1,400.25	1,355.27	44.98	31.130		
5,200.00	5,139.50	5,000.18	4,947.95	24.69	23.22	-158.65	391.15	640.97	1,428.33	1,382.47	45.86	31.142		
5,300.00	5,238.21	5,104.21	5,042.78	25.17	23.71	-158.59	396.96	654.45	1,456.41	1,409.63	46.78	31.130		
5,400.00	5,336.92	5,208.25	5,137.62	25.65	24.20	-158.53	402.78	667.93	1,484.49	1,436.79	47.70	31.118		
5,500.00	5,435.63	5,287.72	5,232.46	26.13	24.57	-158.47	408.60	681.41	1,512.58	1,464.06	48.51	31.179		
5,600.00	5,534.34	5,383.68	5,327.29	26.61	25.02	-158.42	414.42	694.89	1,540.66	1,491.26	49.40	31.190		
5,700.00	5,633.05	5,479.65	5,422.13	27.09	25.46	-158.37	420.24	708.37	1,568.75	1,518.47	50.28	31.200		
5,800.00	5,731.76	5,575.61	5,516.96	27.57	25.91	-158.32	426.06	721.85	1,596.83	1,545.67	51.16	31.210		
5,900.00	5,830.47	5,671.58	5,611.80	28.05	26.36	-158.27	431.88	735.32	1,624.92	1,572.87	52.05	31.219		
6,000.00	5,929.18	5,767.54	5,706.63	28.53	26.81	-158.22	437.70	748.80	1,653.01	1,600.08	52.93	31.227		
6,100.00	6,027.90	5,863.51	5,801.47	29.01	27.26	-158.17	443.52	762.28	1,681.10	1,627.28	53.82	31.235		
6,200.00	6,126.61	5,960.48	5,897.44	29.49	27.71	-158.12	449.34	775.76	1,709.19	1,654.36	54.70	31.243		
6,300.00	6,225.32	6,057.45	5,993.41	29.97	28.16	-158.07	455.16	789.24	1,737.28	1,681.45	55.58	31.251		
6,311.21	6,236.38	6,068.51	5,999.47	30.03	28.22	-158.06	456.16	790.24	1,739.28	1,683.45	55.68	31.251		
6,350.00	6,274.70	6,106.83	6,037.79	30.21	28.40	-177.28	481.04	-332.48	1,629.94	1,564.78	65.17	25.012		
6,400.00	6,324.03	6,156.16	6,087.12	30.43	28.62	-153.32	481.15	-329.55	1,611.37	1,545.08	66.29	24.306		
6,450.00	6,373.00	6,205.13	6,136.09	30.65	28.84	-137.80	481.38	-322.71	1,594.40	1,527.09	67.31	23.686		
6,500.00	6,421.31	6,253.44	6,184.40	30.84	29.03	-128.63	481.76	-312.02	1,579.14	1,510.85	68.29	23.124		
6,550.00	6,468.66	6,300.79	6,231.75	31.03	29.22	-122.94	482.26	-297.54	1,565.65	1,496.66	68.99	22.692		
6,600.00	6,514.76	6,347.10	6,278.06	31.20	29.40	-119.09	482.89	-279.35	1,553.96	1,484.32	69.64	22.313		
6,650.00	6,559.32	6,392.66	6,323.62	31.37	29.57	-116.24	483.65	-257.56	1,544.06	1,473.91	70.15	22.010		
6,700.00	6,602.08	6,435.41	6,366.37	31.52	29.72	-113.95	484.53	-232.32	1,535.89	1,465.36	70.53	21.777		
6,750.00	6,642.77	6,476.10	6,407.06	31.65	29.85	-111.99	485.52	-203.78	1,529.37	1,458.59	70.78	21.608		
6,800.00	6,681.13	6,513.46	6,444.42	31.78	29.97	-110.22	486.62	-172.12	1,524.36	1,453.44	70.93	21.492		
6,850.00	6,716.93	6,549.26	6,480.22	31.89	30.08	-108.59	487.83	-137.52	1,520.74	1,449.78	70.97	21.429		
6,900.00	6,749.95	6,582.27	6,513.23	31.99	30.18	-107.06	489.13	-100.20	1,518.34	1,447.42	70.92	21.409		
6,950.00	6,779.98	6,612.30	6,543.26	32.08	30.27	-105.63	490.51	-60.40	1,516.99	1,446.16	70.83	21.417		
7,000.00	6,806.85	6,640.37	6,570.23	32.16	30.35	-104.29	491.97	-18.36	1,516.51	1,445.84	70.68	21.457		
7,007.05	6,810.37	6,644.89	6,574.75	32.17	30.36	-104.11	492.19	-12.26	1,516.51	1,445.79	70.72	21.443		
7,050.00	6,830.38	6,664.90	6,594.76	32.24	30.42	-103.07	493.51	25.67	1,516.74	1,446.21	70.53	21.504		
7,100.00	6,850.43	6,685.05	6,614.81	32.35	30.52	-101.97	495.10	71.41	1,517.51	1,447.14	70.37	21.565		
7,150.00	6,866.88	6,699.50	6,629.26	32.59	30.77	-101.03	496.74	118.58	1,518.67	1,448.42	70.25	21.619		
7,200.00	6,879.62	6,712.24	6,642.00	32.99	31.27	-100.25	498.42	166.88	1,520.09	1,449.95	70.14	21.671		
7,250.00	6,888.58	6,721.20	6,651.16	33.48	31.76	-99.62	500.33	221.98	1,521.67	1,451.66	70.01	21.735		
7,300.00	6,893.70	6,726.32	6,656.28	34.02	32.30	-98.76	503.26	321.81	1,522.32	1,452.85	69.47	21.914		
7,339.40	6,895.01	6,727.63	6,657.59	34.48	32.76	-98.07	504.83	395.41	1,521.77	1,452.56	69.21	21.988		
7,400.00	6,895.16	6,728.74	6,658.70	35.24	33.52	-96.62	506.07	495.02	1,519.42	1,450.29	69.13	21.979		
7,500.00	6,895.43	6,730.00	6,660.06	36.64	34.92	-93.73	505.89	616.21	1,513.37	1,443.71	69.66	21.726		
7,600.00	6,895.69	6,731.40	6,661.46	38.20	36.48	-90.96	504.40	692.83	1,507.47	1,436.83	70.63	21.342		
7,700.00	6,895.95	6,732.80	6,662.86	39.91	38.19	-88.66	502.62	740.59	1,504.15	1,432.31	71.84	20.938		
7,733.65	6,896.04	6,733.91	6,663.97	40.53	38.81	-87.99	502.03	752.36	1,503.90	1,431.61	72.29	20.803		
7,800.00	6,896.21	6,735.11	6,665.17	41.75	39.99	-86.81	500.94	771.11	1,504.93	1,431.75	73.18	20.564		
7,900.00	6,896.47	6,736.31	6,666.37	43.69	41.93	-85.35	499.46	791.33	1,510.70	1,436.09	74.61	20.248		
8,000.00	6,896.74	6,737.51	6,667.57	45.73	44.07	-84.17	498.19	805.24	1,521.93	1,445.86	76.06	20.009		
8,100.00	6,897.00	6,738.71	6,668.77	47.85	46.19	-83.22	497.11	815.14	1,538.82	1,461.32	77.50	19.856		
8,200.00	6,897.26	6,739.91	6,669.97	50.04	48.38	-82.44	496.19	822.39	1,561.41	1,482.53	78.88	19.795		
8,300.00	6,897.52	6,741.11	6,671.17	52.30	50.64	-81.68	495.28	828.66	1,589.59	1,509.44	80.15	19.834		
8,400.00	6,897.78	6,742.31	6,672.37	54.61	52.95	-81.23	494.72	832.06	1,623.15	1,541.78	81.37	19.948		
8,500.00	6,898.05	6,743.51	6,673.57	56.98	55.32	-80.76	494.13	835.36	1,661.83	1,579.39	82.44	20.157		
8,600.00	6,898.31	6,744.71	6,674.77	59.38	57.72	-80.36	493.61	837.99	1,705.34	1,621.94	83.40	20.448		
8,700.00	6,898.57	6,745.91	6,675.97	61.82	60.16	-79.86	492.97	840.94	1,753.36	1,669.16	84.20	20.825		
8,800.00	6,898.83	6,747.11	6,677.17	64.30	62.64	-79.86	492.97	840.94	1,805.53	1,720.52	85.01	21.239		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,700.00	6,629.13	66.81	31.04	-79.86	492.97	840.94	1,861.61	1,775.91	85.71	21.721		
9,000.00	6,899.36	6,681.24	6,610.75	69.34	30.97	-79.17	492.05	844.56	1,921.01	1,834.91	86.10	22.311		
9,100.00	6,899.62	6,675.27	6,604.88	71.90	30.95	-78.95	491.76	845.59	1,983.72	1,897.18	86.54	22.923		
9,200.00	6,899.88	6,669.91	6,599.59	74.48	30.93	-78.76	491.49	846.48	2,049.34	1,962.44	86.90	23.583		
9,300.00	6,900.14	6,650.00	6,579.93	77.08	30.85	-78.02	490.47	849.38	2,117.79	2,030.75	87.04	24.332		
9,400.00	6,900.41	6,650.00	6,579.93	79.70	30.85	-78.02	490.47	849.38	2,188.39	2,101.07	87.32	25.061		
9,500.00	6,900.67	6,650.00	6,579.93	82.33	30.85	-78.02	490.47	849.38	2,261.21	2,173.66	87.55	25.827		
9,600.00	6,900.93	6,650.00	6,579.93	84.97	30.85	-78.02	490.47	849.38	2,336.04	2,248.31	87.73	26.627		
9,700.00	6,901.19	6,650.00	6,579.93	87.63	30.85	-78.02	490.47	849.38	2,412.69	2,324.82	87.87	27.457		
9,800.00	6,901.45	6,650.00	6,579.93	90.31	30.85	-78.02	490.47	849.38	2,491.00	2,403.03	87.98	28.315		
9,900.00	6,901.72	6,650.00	6,579.93	92.99	30.85	-78.02	490.47	849.38	2,570.82	2,482.76	88.05	29.196		
10,000.00	6,901.98	6,650.00	6,579.93	95.68	30.85	-78.02	490.47	849.38	2,652.00	2,563.90	88.10	30.100		
10,100.00	6,902.24	6,650.00	6,579.93	98.38	30.85	-78.02	490.47	849.38	2,734.43	2,646.29	88.14	31.025		
10,200.00	6,902.50	6,650.00	6,579.93	101.09	30.85	-78.02	490.47	849.38	2,818.00	2,729.85	88.15	31.967		
10,300.00	6,902.76	6,650.00	6,579.93	103.81	30.85	-78.02	490.47	849.38	2,902.61	2,814.45	88.15	32.927		
10,400.00	6,903.03	6,650.00	6,579.93	106.53	30.85	-78.02	490.47	849.38	2,988.17	2,900.02	88.14	33.901		
10,500.00	6,903.29	6,629.75	6,559.84	109.26	30.77	-77.28	489.42	851.69	3,074.26	2,986.28	87.97	34.946		
10,600.00	6,903.55	6,627.94	6,558.04	112.00	30.77	-77.21	489.32	851.87	3,161.42	3,073.49	87.93	35.952		
10,700.00	6,903.81	6,626.23	6,556.34	114.75	30.76	-77.15	489.23	852.03	3,249.32	3,161.43	87.89	36.969		
10,800.00	6,904.08	6,624.62	6,554.74	117.49	30.75	-77.09	489.15	852.18	3,337.90	3,250.05	87.85	37.996		
10,900.00	6,904.34	6,623.09	6,553.22	120.25	30.75	-77.03	489.07	852.31	3,427.10	3,339.30	87.80	39.033		
11,000.00	6,904.60	6,621.65	6,551.78	123.00	30.74	-76.98	488.99	852.44	3,516.88	3,429.13	87.75	40.079		
11,100.00	6,904.86	6,620.28	6,550.42	125.77	30.74	-76.93	488.92	852.55	3,607.19	3,519.50	87.70	41.132		
11,200.00	6,905.12	6,600.00	6,530.22	128.53	30.66	-76.18	487.82	853.93	3,698.31	3,610.80	87.51	42.263		
11,300.00	6,905.39	6,600.00	6,530.22	131.30	30.66	-76.18	487.82	853.93	3,789.54	3,702.07	87.47	43.326		
11,400.00	6,905.65	6,600.00	6,530.22	134.08	30.66	-76.18	487.82	853.93	3,881.20	3,793.78	87.42	44.395		
11,500.00	6,905.91	6,600.00	6,530.22	136.85	30.66	-76.18	487.82	853.93	3,973.27	3,885.88	87.38	45.470		
11,600.00	6,906.17	6,600.00	6,530.22	139.63	30.66	-76.18	487.82	853.93	4,065.71	3,978.37	87.34	46.550		
11,700.00	6,906.43	6,600.00	6,530.22	142.42	30.66	-76.18	487.82	853.93	4,158.50	4,071.20	87.30	47.635		
11,800.00	6,906.70	6,600.00	6,530.22	145.20	30.66	-76.18	487.82	853.93	4,251.61	4,164.35	87.26	48.724		
11,900.00	6,906.96	6,600.00	6,530.22	147.99	30.66	-76.18	487.82	853.93	4,345.04	4,257.82	87.22	49.817		
12,000.00	6,907.22	6,600.00	6,530.22	150.78	30.66	-76.18	487.82	853.93	4,438.75	4,351.57	87.18	50.914		
12,100.00	6,907.48	6,600.00	6,530.22	153.57	30.66	-76.18	487.82	853.93	4,532.72	4,445.58	87.14	52.015		
12,200.00	6,907.74	6,600.00	6,530.22	156.37	30.66	-76.18	487.82	853.93	4,626.96	4,539.85	87.11	53.118		
12,300.00	6,908.01	6,600.00	6,530.22	159.17	30.66	-76.18	487.82	853.93	4,721.42	4,634.35	87.07	54.224		
12,400.00	6,908.27	6,600.00	6,530.22	161.97	30.66	-76.18	487.82	853.93	4,816.12	4,729.08	87.04	55.332		
12,500.00	6,908.53	6,600.00	6,530.22	164.77	30.66	-76.18	487.82	853.93	4,911.02	4,824.01	87.01	56.442		
12,600.00	6,908.79	6,600.00	6,530.22	167.57	30.66	-76.18	487.82	853.93	5,006.12	4,919.14	86.98	57.555		
12,700.00	6,909.06	6,600.00	6,530.22	170.38	30.66	-76.18	487.82	853.93	5,101.41	5,014.45	86.95	58.669		
12,800.00	6,909.32	6,600.00	6,530.22	173.18	30.66	-76.18	487.82	853.93	5,196.87	5,109.95	86.93	59.785		
12,900.00	6,909.58	6,600.00	6,530.22	175.99	30.66	-76.18	487.82	853.93	5,292.50	5,205.60	86.90	60.902		
13,000.00	6,909.84	6,600.00	6,530.22	178.80	30.66	-76.18	487.82	853.93	5,388.29	5,301.42	86.88	62.021		
13,100.00	6,910.10	6,600.00	6,530.22	181.61	30.66	-76.18	487.82	853.93	5,484.24	5,397.38	86.86	63.140		
13,200.00	6,910.37	6,600.00	6,530.22	184.42	30.66	-76.18	487.82	853.93	5,580.32	5,493.48	86.84	64.261		
13,300.00	6,910.63	6,600.00	6,530.22	187.24	30.66	-76.18	487.82	853.93	5,676.54	5,589.72	86.82	65.382		
13,400.00	6,910.89	6,600.00	6,530.22	190.05	30.66	-76.18	487.82	853.93	5,772.89	5,686.08	86.81	66.503		
13,500.00	6,911.15	6,600.00	6,530.22	192.87	30.66	-76.18	487.82	853.93	5,869.36	5,782.56	86.79	67.625		
13,600.00	6,911.41	6,600.00	6,530.22	195.68	30.66	-76.18	487.82	853.93	5,965.94	5,879.16	86.78	68.748		
13,700.00	6,911.68	6,600.00	6,530.22	198.50	30.66	-76.18	487.82	853.93	6,062.64	5,975.87	86.77	69.870		
13,800.00	6,911.94	6,600.00	6,530.22	201.32	30.66	-76.18	487.82	853.93	6,159.44	6,072.68	86.76	70.993		
13,900.00	6,912.20	6,600.00	6,530.22	204.14	30.66	-76.18	487.82	853.93	6,256.34	6,169.59	86.75	72.116		
14,000.00	6,912.46	6,600.00	6,530.22	206.96	30.66	-76.18	487.82	853.93	6,353.34	6,266.59	86.75	73.238		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	6,600.00	6,530.22	209.78	30.66	-76.18	487.82	853.93	6,450.43	6,363.69	86.74	74.361		
14,200.00	6,912.99	6,600.00	6,530.22	212.61	30.66	-76.18	487.82	853.93	6,547.61	6,460.87	86.74	75.483		
14,300.00	6,913.25	6,600.00	6,530.22	215.43	30.66	-76.18	487.82	853.93	6,644.87	6,558.13	86.74	76.605		
14,400.00	6,913.51	6,600.00	6,530.22	218.26	30.66	-76.18	487.82	853.93	6,742.22	6,655.47	86.74	77.726		
14,500.00	6,913.77	6,600.00	6,530.22	221.08	30.66	-76.18	487.82	853.93	6,839.63	6,752.89	86.75	78.847		
14,600.00	6,914.04	6,600.00	6,530.22	223.91	30.66	-76.18	487.82	853.93	6,937.13	6,850.38	86.75	79.967		
14,700.00	6,914.30	6,600.00	6,530.22	226.73	30.66	-76.18	487.82	853.93	7,034.69	6,947.93	86.76	81.086		
14,800.00	6,914.56	6,600.00	6,530.22	229.56	30.66	-76.18	487.82	853.93	7,132.32	7,045.56	86.76	82.205		
14,900.00	6,914.82	6,600.00	6,530.22	232.39	30.66	-76.18	487.82	853.93	7,230.01	7,143.24	86.77	83.322		
15,000.00	6,915.08	6,600.00	6,530.22	235.22	30.66	-76.18	487.82	853.93	7,327.77	7,240.99	86.78	84.439		
15,100.00	6,915.35	6,600.00	6,530.22	238.05	30.66	-76.18	487.82	853.93	7,425.59	7,338.79	86.79	85.555		
15,200.00	6,915.61	6,600.00	6,530.22	240.88	30.66	-76.18	487.82	853.93	7,523.46	7,436.66	86.81	86.670		
15,300.00	6,915.87	6,600.00	6,530.22	243.71	30.66	-76.18	487.82	853.93	7,621.39	7,534.57	86.82	87.784		
15,400.00	6,916.13	6,600.00	6,530.22	246.54	30.66	-76.18	487.82	853.93	7,719.37	7,632.54	86.84	88.896		
15,500.00	6,916.39	6,600.00	6,530.22	249.37	30.66	-76.18	487.82	853.93	7,817.41	7,730.55	86.85	90.007		
15,600.00	6,916.66	6,600.00	6,530.22	252.20	30.66	-76.18	487.82	853.93	7,915.49	7,828.62	86.87	91.118		
15,700.00	6,916.92	6,600.00	6,530.22	255.03	30.66	-76.18	487.82	853.93	8,013.62	7,926.73	86.89	92.226		
15,800.00	6,917.18	6,600.00	6,530.22	257.87	30.66	-76.18	487.82	853.93	8,111.80	8,024.88	86.91	93.334		
15,900.00	6,917.44	6,600.00	6,530.22	260.70	30.66	-76.18	487.82	853.93	8,210.02	8,123.08	86.93	94.440		
16,000.00	6,917.70	6,600.00	6,530.22	263.53	30.66	-76.18	487.82	853.93	8,308.28	8,221.32	86.96	95.544		
16,100.00	6,917.97	6,600.00	6,530.22	266.37	30.66	-76.18	487.82	853.93	8,406.58	8,319.60	86.98	96.647		
16,200.00	6,918.23	6,600.00	6,530.22	269.20	30.66	-76.18	487.82	853.93	8,504.92	8,417.92	87.01	97.749		
16,300.00	6,918.49	6,600.00	6,530.22	272.04	30.66	-76.18	487.82	853.93	8,603.30	8,516.27	87.03	98.849		
16,400.00	6,918.75	6,600.00	6,530.22	274.87	30.66	-76.18	487.82	853.93	8,701.72	8,614.66	87.06	99.947		
16,500.00	6,919.02	6,600.00	6,530.22	277.71	30.66	-76.18	487.82	853.93	8,800.18	8,713.08	87.09	101.044		
16,600.00	6,919.28	6,600.00	6,530.22	280.55	30.66	-76.18	487.82	853.93	8,898.66	8,811.54	87.12	102.139		
16,700.00	6,919.54	6,600.00	6,530.22	283.38	30.66	-76.18	487.82	853.93	8,997.19	8,910.03	87.15	103.232		
16,800.00	6,919.80	6,600.00	6,530.22	286.22	30.66	-76.18	487.82	853.93	9,095.74	9,008.55	87.19	104.324		
16,900.00	6,920.06	6,600.00	6,530.22	289.06	30.66	-76.18	487.82	853.93	9,194.32	9,107.10	87.22	105.413		
17,000.00	6,920.33	6,600.00	6,530.22	291.90	30.66	-76.18	487.82	853.93	9,292.94	9,205.68	87.26	106.501		
17,100.00	6,920.59	6,600.00	6,530.22	294.73	30.66	-76.18	487.82	853.93	9,391.58	9,304.29	87.29	107.587		
17,200.00	6,920.85	6,600.00	6,530.22	297.57	30.66	-76.18	487.82	853.93	9,490.26	9,402.93	87.33	108.671		
17,300.00	6,921.11	6,600.00	6,530.22	300.41	30.66	-76.18	487.82	853.93	9,588.96	9,501.59	87.37	109.754		
17,400.00	6,921.37	6,600.00	6,530.22	303.25	30.66	-76.18	487.82	853.93	9,687.68	9,600.28	87.41	110.834		
17,500.00	6,921.64	6,600.00	6,530.22	306.09	30.66	-76.18	487.82	853.93	9,786.44	9,698.99	87.45	111.912		
17,600.00	6,921.90	6,600.00	6,530.22	308.93	30.66	-76.18	487.82	853.93	9,885.22	9,797.73	87.49	112.988		
17,638.91	6,922.00	6,600.00	6,530.22	310.03	30.66	-76.18	487.82	853.93	9,923.65	9,836.15	87.51	113.406		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.56	134.43	13.08	135.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.56	134.43	13.08	135.06	128.49	6.57	20.559		
200.00	200.00	200.00	200.00	3.34	3.34	5.56	134.43	13.08	135.06	128.39	6.67	20.237 CC, ES		
300.00	299.98	296.74	296.73	3.44	3.44	169.23	135.43	14.37	137.95	131.06	6.89	20.033 SF		
400.00	399.84	392.87	392.73	3.59	3.59	170.93	138.43	18.19	146.68	139.48	7.21	20.358		
500.00	499.45	487.78	487.30	3.79	3.79	173.35	143.34	24.45	161.45	153.83	7.62	21.185		
600.00	598.70	580.91	579.79	4.04	4.01	176.05	150.03	32.98	182.40	174.29	8.11	22.481		
660.50	658.52	636.16	634.48	4.20	4.16	177.68	154.88	39.16	198.11	189.67	8.44	23.460		
700.00	697.51	671.81	669.68	4.31	4.26	178.72	158.35	43.58	209.34	200.67	8.67	24.156		
800.00	796.22	760.82	757.24	4.63	4.54	-178.82	168.20	56.14	239.75	230.51	9.24	25.945		
900.00	894.93	847.99	842.48	4.98	4.83	-176.62	179.46	70.50	273.00	263.16	9.84	27.748		
1,000.00	993.64	933.22	925.24	5.34	5.14	-174.64	192.02	86.51	309.03	298.57	10.46	29.545		
1,100.00	1,092.35	1,022.36	1,011.28	5.73	5.49	-172.81	206.39	104.83	347.24	336.14	11.10	31.273		
1,200.00	1,191.06	1,114.16	1,099.86	6.13	5.87	-171.28	221.27	123.80	385.86	374.08	11.78	32.749		
1,300.00	1,289.78	1,205.95	1,188.43	6.54	6.27	-170.03	236.15	142.78	424.67	412.18	12.49	34.012		
1,400.00	1,388.49	1,302.25	1,277.01	6.95	6.70	-168.99	251.03	161.75	463.62	450.39	13.23	35.045		
1,500.00	1,487.20	1,389.55	1,365.58	7.38	7.10	-168.11	265.91	180.72	502.69	488.73	13.95	36.027		
1,600.00	1,585.91	1,481.35	1,454.16	7.81	7.53	-167.35	280.79	199.70	541.84	527.13	14.71	36.831		
1,700.00	1,684.62	1,573.15	1,542.73	8.25	7.97	-166.70	295.67	218.67	581.06	565.57	15.48	37.528		
1,800.00	1,783.33	1,664.95	1,631.31	8.70	8.42	-166.13	310.55	237.64	620.33	604.07	16.27	38.135		
1,900.00	1,882.04	1,756.74	1,719.88	9.15	8.87	-165.62	325.43	256.62	659.66	642.60	17.06	38.667		
2,000.00	1,980.75	1,848.54	1,808.46	9.60	9.32	-165.18	340.32	275.59	699.02	681.16	17.86	39.135		
2,100.00	2,079.46	1,940.34	1,897.03	10.05	9.78	-164.78	355.20	294.56	738.41	719.74	18.67	39.548		
2,200.00	2,178.17	2,032.14	1,985.61	10.51	10.24	-164.42	370.08	313.54	777.83	758.34	19.49	39.914		
2,300.00	2,276.88	2,123.94	2,074.18	10.97	10.71	-164.09	384.96	332.51	817.28	796.97	20.31	40.241		
2,400.00	2,375.59	2,215.74	2,162.76	11.43	11.17	-163.80	399.84	351.48	856.74	835.60	21.14	40.533		
2,500.00	2,474.31	2,307.53	2,251.33	11.89	11.64	-163.53	414.72	370.46	896.22	874.25	21.97	40.795		
2,600.00	2,573.02	2,400.67	2,339.91	12.36	12.12	-163.28	429.60	389.43	935.72	912.91	22.81	41.020		
2,700.00	2,671.73	2,491.13	2,428.48	12.82	12.59	-163.06	444.48	408.41	975.23	951.58	23.64	41.245		
2,800.00	2,770.44	2,582.93	2,517.06	13.29	13.06	-162.85	459.36	427.38	1,014.75	990.26	24.49	41.439		
2,900.00	2,869.15	2,674.73	2,605.63	13.76	13.54	-162.65	474.25	446.35	1,054.28	1,028.95	25.33	41.616		
3,000.00	2,967.86	2,766.52	2,694.20	14.23	14.02	-162.48	489.13	465.33	1,093.83	1,067.64	26.18	41.777		
3,100.00	3,066.57	2,858.32	2,782.78	14.70	14.50	-162.31	504.01	484.30	1,133.38	1,106.34	27.03	41.925		
3,200.00	3,165.28	2,950.12	2,871.35	15.17	14.98	-162.15	518.89	503.27	1,172.93	1,145.05	27.89	42.060		
3,300.00	3,263.99	3,041.92	2,959.93	15.64	15.46	-162.01	533.77	522.25	1,212.50	1,183.76	28.74	42.185		
3,400.00	3,362.70	3,133.72	3,048.50	16.11	15.94	-161.87	548.65	541.22	1,252.07	1,222.47	29.60	42.300		
3,500.00	3,461.41	3,225.52	3,137.08	16.59	16.42	-161.74	563.53	560.19	1,291.65	1,261.19	30.46	42.406		
3,600.00	3,560.12	3,317.31	3,225.65	17.06	16.91	-161.62	578.41	579.17	1,331.23	1,299.91	31.32	42.505		
3,700.00	3,658.84	3,409.11	3,314.23	17.53	17.39	-161.51	593.29	598.14	1,370.81	1,338.63	32.18	42.596		
3,800.00	3,757.55	3,500.91	3,402.80	18.01	17.87	-161.40	608.18	617.11	1,410.40	1,377.36	33.05	42.681		
3,900.00	3,856.26	3,607.29	3,491.38	18.48	18.44	-161.30	623.06	636.09	1,450.00	1,416.02	33.98	42.670		
4,000.00	3,954.97	3,684.51	3,579.95	18.96	18.84	-161.21	637.94	655.06	1,489.60	1,454.82	34.78	42.834		
4,100.00	4,053.68	3,776.31	3,668.53	19.44	19.33	-161.12	652.82	674.03	1,529.20	1,493.55	35.64	42.903		
4,200.00	4,152.39	3,868.10	3,757.10	19.91	19.82	-161.03	667.70	693.01	1,568.80	1,532.29	36.51	42.968		
4,300.00	4,251.10	3,959.90	3,845.68	20.39	20.30	-160.95	682.58	711.98	1,608.41	1,571.03	37.38	43.029		
4,400.00	4,349.81	4,051.70	3,934.25	20.87	20.79	-160.87	697.46	730.95	1,648.02	1,609.77	38.25	43.086		
4,500.00	4,448.52	4,143.50	4,022.83	21.34	21.28	-160.80	712.34	749.93	1,687.63	1,648.51	39.12	43.139		
4,600.00	4,547.23	4,235.30	4,111.40	21.82	21.77	-160.73	727.22	768.90	1,727.25	1,687.25	39.99	43.190		
4,700.00	4,645.94	4,327.10	4,199.98	22.30	22.25	-160.66	742.11	787.87	1,766.86	1,726.00	40.86	43.237		
4,800.00	4,744.65	4,462.95	4,331.30	22.78	22.97	-160.57	763.58	815.25	1,806.13	1,763.98	42.15	42.846		
4,900.00	4,843.37	4,705.57	4,569.10	23.26	24.14	-160.56	793.03	852.81	1,839.72	1,795.49	44.23	41.593		
5,000.00	4,942.08	4,960.97	4,822.84	23.74	25.23	-160.75	810.51	875.09	1,865.33	1,819.32	46.02	40.536		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	5,179.06	5,040.79	24.21	26.05	-161.05	814.43	880.08	1,882.77	1,835.46	47.31	39.800		
5,200.00	5,139.50	5,277.77	5,139.50	24.69	26.41	-161.20	814.43	880.08	1,897.93	1,849.79	48.14	39.426		
5,300.00	5,238.21	5,376.48	5,238.21	25.17	26.77	-161.36	814.43	880.08	1,913.11	1,864.14	48.97	39.064		
5,400.00	5,336.92	5,475.19	5,336.92	25.65	27.14	-161.51	814.43	880.08	1,928.30	1,878.49	49.81	38.713		
5,500.00	5,435.63	5,573.90	5,435.63	26.13	27.50	-161.66	814.43	880.08	1,943.51	1,892.86	50.65	38.372		
5,600.00	5,534.34	5,672.61	5,534.34	26.61	27.87	-161.81	814.43	880.08	1,958.73	1,907.24	51.49	38.041		
5,700.00	5,633.05	5,771.32	5,633.05	27.09	28.24	-161.95	814.43	880.08	1,973.96	1,921.63	52.33	37.721		
5,800.00	5,731.76	5,870.03	5,731.76	27.57	28.61	-162.09	814.43	880.08	1,989.20	1,936.03	53.17	37.409		
5,900.00	5,830.47	5,968.74	5,830.47	28.05	28.98	-162.23	814.43	880.08	2,004.43	1,951.26	54.01	37.108		
6,000.00	5,929.18	6,067.45	5,929.18	28.53	29.35	-162.37	814.43	880.08	2,019.66	1,966.49	54.85	36.813		
6,100.00	6,027.90	6,166.16	6,027.90	29.01	29.72	-162.51	814.43	880.08	2,034.89	1,981.72	55.69	36.524		
6,200.00	6,126.61	6,264.87	6,126.61	29.49	30.09	-162.65	814.43	880.08	2,050.12	1,996.95	56.53	36.239		
6,300.00	6,225.32	6,363.58	6,225.32	29.97	30.46	-162.79	814.43	880.08	2,065.35	2,012.18	57.37	35.954		
6,311.21	6,236.38	6,374.64	6,236.38	30.03	30.52	-162.81	814.43	880.08	2,068.89	2,015.72	70.42	25.672		
6,350.00	6,274.70	6,412.96	6,274.70	30.21	30.70	-162.87	814.43	880.08	2,079.12	2,025.95	71.16	25.278		
6,400.00	6,324.03	6,462.29	6,324.03	30.43	30.92	-162.93	814.43	880.08	2,089.35	2,036.18	72.00	24.837		
6,450.00	6,373.00	6,511.26	6,373.00	30.65	31.14	-163.00	814.43	880.08	2,100.58	2,047.41	72.71	24.471		
6,500.00	6,421.31	6,559.57	6,421.31	30.84	31.33	-163.07	814.43	880.08	2,111.81	2,058.64	73.29	24.178		
6,550.00	6,468.66	6,607.92	6,468.66	31.03	31.52	-163.14	814.43	880.08	2,123.04	2,069.87	73.73	23.956		
6,600.00	6,514.76	6,654.02	6,514.76	31.20	31.69	-163.21	814.43	880.08	2,134.27	2,081.10	74.13	23.770		
6,650.00	6,559.32	6,699.58	6,559.32	31.37	31.86	-163.28	814.43	880.08	2,145.50	2,092.33	74.22	23.707		
6,700.00	6,602.08	6,742.34	6,602.08	31.52	32.01	-163.34	814.43	880.08	2,156.73	2,103.56	74.27	23.672		
6,727.46	6,624.70	6,765.06	6,624.70	31.59	32.08	-163.37	814.43	880.08	2,160.27	2,107.10	74.25	23.677		
6,750.00	6,642.77	6,783.13	6,642.77	31.65	32.14	-163.39	814.43	880.08	2,163.81	2,110.64	74.20	23.692		
6,800.00	6,681.13	6,821.49	6,681.13	31.78	32.27	-163.45	814.43	880.08	2,175.04	2,121.87	74.40	23.643		
6,850.00	6,716.93	6,857.29	6,716.93	31.89	32.38	-163.51	814.43	880.08	2,186.27	2,133.10	73.81	23.859		
6,900.00	6,749.95	6,890.31	6,749.95	31.99	32.48	-163.57	814.43	880.08	2,197.50	2,144.33	73.50	23.995		
6,950.00	6,779.98	6,920.34	6,779.98	32.08	32.57	-163.63	814.43	880.08	2,208.73	2,155.56	73.16	24.151		
7,000.00	6,806.85	6,947.21	6,806.85	32.16	32.65	-163.68	814.43	880.08	2,219.96	2,166.79	72.81	24.318		
7,050.00	6,830.38	6,970.74	6,830.38	32.24	32.73	-163.73	814.43	880.08	2,231.19	2,178.02	72.68	24.411		
7,100.00	6,850.43	6,990.79	6,850.43	32.35	32.84	-163.79	814.43	880.08	2,242.42	2,189.25	72.12	24.655		
7,150.00	6,866.88	7,007.24	6,866.88	32.59	33.08	-163.85	814.43	880.08	2,253.65	2,200.48	71.81	24.811		
7,200.00	6,879.62	7,020.98	6,879.62	32.99	33.48	-163.93	814.43	880.08	2,264.88	2,211.71	71.58	24.938		
7,250.00	6,888.58	7,029.94	6,888.58	33.48	33.97	-164.01	814.43	880.08	2,276.11	2,222.94	71.39	25.049		
7,300.00	6,893.70	7,035.06	6,893.70	34.02	34.51	-164.09	814.43	880.08	2,287.34	2,234.17	71.28	25.127		
7,339.40	6,895.01	7,036.37	6,895.01	34.48	34.97	-164.17	814.43	880.08	2,293.57	2,240.40	71.19	25.181		
7,400.00	6,895.16	7,036.52	6,895.16	35.24	35.73	-164.25	814.43	880.08	2,304.80	2,251.63	71.16	25.224		
7,500.00	6,895.43	7,036.79	6,895.43	36.64	37.13	-164.31	814.43	880.08	2,316.03	2,262.86	71.44	25.179		
7,600.00	6,895.69	7,037.05	6,895.69	38.20	38.69	-164.37	814.43	880.08	2,327.26	2,274.09	72.10	25.004		
7,700.00	6,895.95	7,037.31	6,895.95	39.91	40.40	-164.43	814.43	880.08	2,338.49	2,285.32	73.09	24.740		
7,800.00	6,896.21	7,037.57	6,896.21	41.75	42.24	-164.49	814.43	880.08	2,349.72	2,296.55	74.30	24.439		
7,900.00	6,896.47	7,037.83	6,896.47	43.69	44.18	-164.55	814.43	880.08	2,360.95	2,307.78	75.66	24.136		
8,000.00	6,896.74	7,038.10	6,896.74	45.73	46.22	-164.61	814.43	880.08	2,372.18	2,319.01	77.11	23.861		
8,100.00	6,897.00	7,038.36	6,897.00	47.85	48.34	-164.67	814.43	880.08	2,383.41	2,330.24	78.57	23.640		
8,200.00	6,897.26	7,038.62	6,897.26	50.04	50.53	-164.73	814.43	880.08	2,394.64	2,341.47	80.09	23.460		
8,300.00	6,897.52	7,038.88	6,897.52	52.30	52.79	-164.79	814.43	880.08	2,405.87	2,352.70	81.55	23.353		
8,400.00	6,897.78	7,039.14	6,897.78	54.61	55.10	-164.85	814.43	880.08	2,417.10	2,363.93	82.95	23.315		
8,500.00	6,898.05	7,039.40	6,898.05	56.98	57.47	-164.91	814.43	880.08	2,428.33	2,375.16	84.36	23.325		
8,600.00	6,898.31	7,039.66	6,898.31	59.38	59.87	-164.97	814.43	880.08	2,439.56	2,386.39	85.54	23.444		
8,700.00	6,898.57	7,039.92	6,898.57	61.82	62.31	-165.03	814.43	880.08	2,450.79	2,397.62	86.67	23.618		
8,800.00	6,898.83	7,040.18	6,898.83	64.30	64.79	-165.09	814.43	880.08	2,462.02	2,408.85	87.86	23.813		
8,900.00	6,899.10	7,040.44	6,899.10	66.81	67.30	-165.15	814.43	880.08	2,473.25	2,420.08	88.75	24.123		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	6,650.00	6,508.54	69.34	31.58	-77.93	813.11	849.47	2,192.92	2,103.40	89.52	24.496		
9,100.00	6,899.62	6,650.00	6,508.54	71.90	31.58	-77.93	813.11	849.47	2,247.85	2,157.45	90.40	24.865		
9,200.00	6,899.88	6,650.00	6,508.54	74.48	31.58	-77.93	813.11	849.47	2,305.81	2,214.63	91.18	25.288		
9,300.00	6,900.14	6,633.53	6,492.80	77.08	31.51	-77.46	813.32	854.31	2,366.39	2,274.64	91.76	25.790		
9,400.00	6,900.41	6,625.38	6,484.96	79.70	31.48	-77.22	813.42	856.56	2,429.52	2,337.21	92.31	26.318		
9,500.00	6,900.67	6,617.91	6,477.76	82.33	31.45	-77.01	813.50	858.53	2,494.98	2,402.18	92.80	26.885		
9,600.00	6,900.93	6,600.00	6,460.39	84.97	31.38	-76.49	813.69	862.90	2,562.68	2,469.53	93.15	27.511		
9,700.00	6,901.19	6,600.00	6,460.39	87.63	31.38	-76.49	813.69	862.90	2,632.23	2,538.66	93.57	28.131		
9,800.00	6,901.45	6,600.00	6,460.39	90.31	31.38	-76.49	813.69	862.90	2,703.68	2,609.75	93.94	28.782		
9,900.00	6,901.72	6,600.00	6,460.39	92.99	31.38	-76.49	813.69	862.90	2,776.90	2,682.65	94.25	29.462		
10,000.00	6,901.98	6,600.00	6,460.39	95.68	31.38	-76.49	813.69	862.90	2,851.75	2,757.22	94.53	30.169		
10,100.00	6,902.24	6,600.00	6,460.39	98.38	31.38	-76.49	813.69	862.90	2,928.10	2,833.34	94.76	30.900		
10,200.00	6,902.50	6,579.40	6,440.27	101.09	31.31	-75.89	813.88	867.33	3,005.51	2,910.66	94.84	31.690		
10,300.00	6,902.76	6,575.30	6,436.25	103.81	31.29	-75.77	813.91	868.13	3,084.38	2,989.39	94.99	32.470		
10,400.00	6,903.03	6,571.46	6,432.48	106.53	31.28	-75.66	813.95	868.86	3,164.42	3,069.30	95.12	33.268		
10,500.00	6,903.29	6,550.00	6,411.34	109.26	31.20	-75.04	814.10	872.51	3,245.80	3,150.69	95.12	34.125		
10,600.00	6,903.55	6,550.00	6,411.34	112.00	31.20	-75.04	814.10	872.51	3,327.85	3,232.63	95.23	34.947		
10,700.00	6,903.81	6,550.00	6,411.34	114.75	31.20	-75.04	814.10	872.51	3,410.86	3,315.55	95.32	35.784		
10,800.00	6,904.08	6,550.00	6,411.34	117.49	31.20	-75.04	814.10	872.51	3,494.76	3,399.37	95.39	36.635		
10,900.00	6,904.34	6,550.00	6,411.34	120.25	31.20	-75.04	814.10	872.51	3,579.49	3,484.04	95.46	37.499		
11,000.00	6,904.60	6,550.00	6,411.34	123.00	31.20	-75.04	814.10	872.51	3,664.99	3,569.48	95.51	38.374		
11,100.00	6,904.86	6,550.00	6,411.34	125.77	31.20	-75.04	814.10	872.51	3,751.20	3,655.66	95.55	39.261		
11,200.00	6,905.12	6,550.00	6,411.34	128.53	31.20	-75.04	814.10	872.51	3,838.09	3,742.51	95.58	40.157		
11,300.00	6,905.39	6,550.00	6,411.34	131.30	31.20	-75.04	814.10	872.51	3,925.60	3,830.00	95.60	41.063		
11,400.00	6,905.65	6,550.00	6,411.34	134.08	31.20	-75.04	814.10	872.51	4,013.69	3,918.07	95.61	41.978		
11,500.00	6,905.91	6,550.00	6,411.34	136.85	31.20	-75.04	814.10	872.51	4,102.32	4,006.70	95.62	42.901		
11,600.00	6,906.17	6,550.00	6,411.34	139.63	31.20	-75.04	814.10	872.51	4,191.47	4,095.85	95.63	43.831		
11,700.00	6,906.43	6,550.00	6,411.34	142.42	31.20	-75.04	814.10	872.51	4,281.10	4,185.47	95.63	44.769		
11,800.00	6,906.70	6,550.00	6,411.34	145.20	31.20	-75.04	814.10	872.51	4,371.18	4,275.56	95.62	45.712		
11,900.00	6,906.96	6,550.00	6,411.34	147.99	31.20	-75.04	814.10	872.51	4,461.68	4,366.06	95.62	46.662		
12,000.00	6,907.22	6,550.00	6,411.34	150.78	31.20	-75.04	814.10	872.51	4,552.58	4,456.97	95.61	47.617		
12,100.00	6,907.48	6,550.00	6,411.34	153.57	31.20	-75.04	814.10	872.51	4,643.85	4,548.26	95.60	48.578		
12,200.00	6,907.74	6,528.60	6,390.15	156.37	31.12	-74.42	814.23	875.45	4,735.10	4,639.61	95.49	49.587		
12,300.00	6,908.01	6,527.11	6,388.66	159.17	31.11	-74.37	814.24	875.62	4,827.01	4,731.54	95.47	50.560		
12,400.00	6,908.27	6,525.68	6,387.24	161.97	31.11	-74.33	814.24	875.79	4,919.22	4,823.77	95.45	51.537		
12,500.00	6,908.53	6,524.30	6,385.87	164.77	31.10	-74.29	814.25	875.95	5,011.73	4,916.30	95.43	52.517		
12,600.00	6,908.79	6,522.97	6,384.55	167.57	31.10	-74.25	814.26	876.10	5,104.53	5,009.12	95.41	53.501		
12,700.00	6,909.06	6,521.69	6,383.28	170.38	31.09	-74.22	814.26	876.24	5,197.58	5,102.19	95.39	54.488		
12,800.00	6,909.32	6,500.00	6,361.68	173.18	31.01	-73.59	814.35	878.25	5,291.23	5,195.95	95.28	55.535		
12,900.00	6,909.58	6,500.00	6,361.68	175.99	31.01	-73.59	814.35	878.25	5,384.74	5,289.47	95.26	56.524		
13,000.00	6,909.84	6,500.00	6,361.68	178.80	31.01	-73.59	814.35	878.25	5,478.47	5,383.22	95.25	57.517		
13,100.00	6,910.10	6,500.00	6,361.68	181.61	31.01	-73.59	814.35	878.25	5,572.42	5,477.19	95.24	58.512		
13,200.00	6,910.37	6,500.00	6,361.68	184.42	31.01	-73.59	814.35	878.25	5,666.58	5,571.36	95.22	59.509		
13,300.00	6,910.63	6,500.00	6,361.68	187.24	31.01	-73.59	814.35	878.25	5,760.94	5,665.73	95.21	60.508		
13,400.00	6,910.89	6,500.00	6,361.68	190.05	31.01	-73.59	814.35	878.25	5,855.48	5,760.29	95.20	61.509		
13,500.00	6,911.15	6,500.00	6,361.68	192.87	31.01	-73.59	814.35	878.25	5,950.21	5,855.02	95.18	62.512		
13,600.00	6,911.41	6,500.00	6,361.68	195.68	31.01	-73.59	814.35	878.25	6,045.10	5,949.93	95.17	63.517		
13,700.00	6,911.68	6,500.00	6,361.68	198.50	31.01	-73.59	814.35	878.25	6,140.15	6,044.99	95.16	64.523		
13,800.00	6,911.94	6,500.00	6,361.68	201.32	31.01	-73.59	814.35	878.25	6,235.36	6,140.21	95.15	65.530		
13,900.00	6,912.20	6,500.00	6,361.68	204.14	31.01	-73.59	814.35	878.25	6,330.72	6,235.58	95.14	66.538		
14,000.00	6,912.46	6,500.00	6,361.68	206.96	31.01	-73.59	814.35	878.25	6,426.22	6,331.08	95.14	67.548		
14,100.00	6,912.72	6,500.00	6,361.68	209.78	31.01	-73.59	814.35	878.25	6,521.85	6,426.72	95.13	68.558		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,500.00	6,361.68	212.61	31.01	-73.59	814.35	878.25	6,617.61	6,522.49	95.12	69.569		
14,300.00	6,913.25	6,500.00	6,361.68	215.43	31.01	-73.59	814.35	878.25	6,713.50	6,618.38	95.12	70.581		
14,400.00	6,913.51	6,500.00	6,361.68	218.26	31.01	-73.59	814.35	878.25	6,809.50	6,714.39	95.11	71.593		
14,500.00	6,913.77	6,500.00	6,361.68	221.08	31.01	-73.59	814.35	878.25	6,905.62	6,810.51	95.11	72.606		
14,600.00	6,914.04	6,500.00	6,361.68	223.91	31.01	-73.59	814.35	878.25	7,001.85	6,906.74	95.11	73.620		
14,700.00	6,914.30	6,500.00	6,361.68	226.73	31.01	-73.59	814.35	878.25	7,098.18	7,003.07	95.11	74.633		
14,800.00	6,914.56	6,500.00	6,361.68	229.56	31.01	-73.59	814.35	878.25	7,194.61	7,099.50	95.11	75.647		
14,900.00	6,914.82	6,500.00	6,361.68	232.39	31.01	-73.59	814.35	878.25	7,291.13	7,196.03	95.11	76.661		
15,000.00	6,915.08	6,500.00	6,361.68	235.22	31.01	-73.59	814.35	878.25	7,387.75	7,292.64	95.11	77.675		
15,100.00	6,915.35	6,500.00	6,361.68	238.05	31.01	-73.59	814.35	878.25	7,484.46	7,389.35	95.11	78.689		
15,200.00	6,915.61	6,500.00	6,361.68	240.88	31.01	-73.59	814.35	878.25	7,581.25	7,486.14	95.12	79.703		
15,300.00	6,915.87	6,500.00	6,361.68	243.71	31.01	-73.59	814.35	878.25	7,678.13	7,583.01	95.12	80.717		
15,400.00	6,916.13	6,500.00	6,361.68	246.54	31.01	-73.59	814.35	878.25	7,775.09	7,679.96	95.13	81.731		
15,500.00	6,916.39	6,500.00	6,361.68	249.37	31.01	-73.59	814.35	878.25	7,872.12	7,776.98	95.14	82.744		
15,600.00	6,916.66	6,500.00	6,361.68	252.20	31.01	-73.59	814.35	878.25	7,969.22	7,874.07	95.15	83.757		
15,700.00	6,916.92	6,500.00	6,361.68	255.03	31.01	-73.59	814.35	878.25	8,066.40	7,971.24	95.16	84.770		
15,800.00	6,917.18	6,500.00	6,361.68	257.87	31.01	-73.59	814.35	878.25	8,163.64	8,068.47	95.17	85.782		
15,900.00	6,917.44	6,500.00	6,361.68	260.70	31.01	-73.59	814.35	878.25	8,260.95	8,165.77	95.18	86.794		
16,000.00	6,917.70	6,500.00	6,361.68	263.53	31.01	-73.59	814.35	878.25	8,358.32	8,263.13	95.19	87.805		
16,100.00	6,917.97	6,500.00	6,361.68	266.37	31.01	-73.59	814.35	878.25	8,455.75	8,360.55	95.21	88.816		
16,200.00	6,918.23	6,500.00	6,361.68	269.20	31.01	-73.59	814.35	878.25	8,553.25	8,458.03	95.22	89.825		
16,300.00	6,918.49	6,500.00	6,361.68	272.04	31.01	-73.59	814.35	878.25	8,650.80	8,555.56	95.24	90.834		
16,400.00	6,918.75	6,500.00	6,361.68	274.87	31.01	-73.59	814.35	878.25	8,748.40	8,653.15	95.25	91.843		
16,500.00	6,919.02	6,500.00	6,361.68	277.71	31.01	-73.59	814.35	878.25	8,846.06	8,750.79	95.27	92.850		
16,600.00	6,919.28	6,500.00	6,361.68	280.55	31.01	-73.59	814.35	878.25	8,943.77	8,848.48	95.29	93.857		
16,700.00	6,919.54	6,500.00	6,361.68	283.38	31.01	-73.59	814.35	878.25	9,041.54	8,946.22	95.31	94.863		
16,800.00	6,919.80	6,500.00	6,361.68	286.22	31.01	-73.59	814.35	878.25	9,139.34	9,044.01	95.33	95.868		
16,900.00	6,920.06	6,500.00	6,361.68	289.06	31.01	-73.59	814.35	878.25	9,237.20	9,141.85	95.36	96.872		
17,000.00	6,920.33	6,500.00	6,361.68	291.90	31.01	-73.59	814.35	878.25	9,335.10	9,239.72	95.38	97.874		
17,100.00	6,920.59	6,500.00	6,361.68	294.73	31.01	-73.59	814.35	878.25	9,433.05	9,337.65	95.40	98.876		
17,200.00	6,920.85	6,500.00	6,361.68	297.57	31.01	-73.59	814.35	878.25	9,531.04	9,435.61	95.43	99.877		
17,300.00	6,921.11	6,500.00	6,361.68	300.41	31.01	-73.59	814.35	878.25	9,629.07	9,533.61	95.45	100.877		
17,400.00	6,921.37	6,500.00	6,361.68	303.25	31.01	-73.59	814.35	878.25	9,727.14	9,631.66	95.48	101.875		
17,500.00	6,921.64	6,500.00	6,361.68	306.09	31.01	-73.59	814.35	878.25	9,825.25	9,729.74	95.51	102.872		
17,600.00	6,921.90	6,500.00	6,361.68	308.93	31.01	-73.59	814.35	878.25	9,923.39	9,827.85	95.54	103.868		
17,638.91	6,922.00	6,500.00	6,361.68	310.03	31.01	-73.59	814.35	878.25	9,961.59	9,866.04	95.55	104.256		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	59.75	5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	59.75	5.85	60.03	53.46	6.57	9.138		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	59.75	5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	168.95	59.75	5.85	61.74	54.86	6.89	8.968 SF		
400.00	399.84	400.48	400.46	3.59	3.60	171.26	59.04	7.46	66.40	59.21	7.19	9.233		
500.00	499.45	500.56	500.39	3.79	3.80	176.22	56.93	12.27	73.89	66.31	7.59	9.741		
600.00	598.70	599.90	599.35	4.04	4.03	-177.45	53.45	20.21	84.99	76.93	8.06	10.542		
660.50	658.52	659.51	658.57	4.20	4.19	-173.46	50.71	26.48	93.75	85.36	8.39	11.176		
700.00	697.51	698.24	696.95	4.31	4.30	-170.90	48.66	31.16	100.11	91.50	8.61	11.626		
800.00	796.22	795.68	793.21	4.63	4.60	-164.58	42.59	45.03	117.24	108.03	9.21	12.727		
900.00	894.93	892.10	887.89	4.98	4.93	-158.58	35.29	61.69	136.21	126.34	9.87	13.803		
1,000.00	993.64	987.30	980.73	5.34	5.29	-152.99	26.83	81.01	157.40	146.83	10.57	14.893		
1,100.00	1,092.35	1,081.11	1,071.47	5.73	5.67	-147.86	17.29	102.79	181.07	169.76	11.30	16.017		
1,200.00	1,191.06	1,175.62	1,162.26	6.13	6.09	-143.28	6.76	126.82	207.05	194.97	12.07	17.148		
1,300.00	1,289.78	1,270.93	1,253.78	6.54	6.53	-139.65	-3.91	151.19	234.11	221.24	12.87	18.187		
1,400.00	1,388.49	1,366.24	1,345.30	6.95	6.99	-136.76	-14.58	175.56	261.88	248.19	13.69	19.129		
1,500.00	1,487.20	1,461.55	1,436.82	7.38	7.46	-134.43	-25.26	199.93	290.14	275.62	14.52	19.976		
1,600.00	1,585.91	1,556.85	1,528.34	7.81	7.95	-132.51	-35.93	224.30	318.78	303.41	15.37	20.737		
1,700.00	1,684.62	1,652.16	1,619.86	8.25	8.44	-130.91	-46.60	248.67	347.69	331.46	16.23	21.418		
1,800.00	1,783.33	1,747.47	1,711.38	8.70	8.94	-129.55	-57.28	273.05	376.82	359.72	17.10	22.030		
1,900.00	1,882.04	1,842.78	1,802.90	9.15	9.45	-128.38	-67.95	297.42	406.11	388.13	17.99	22.581		
2,000.00	1,980.75	1,938.09	1,894.42	9.60	9.96	-127.37	-78.62	321.79	435.54	416.67	18.87	23.077		
2,100.00	2,079.46	2,033.40	1,985.94	10.05	10.48	-126.49	-89.30	346.16	465.08	445.31	19.77	23.526		
2,200.00	2,178.17	2,128.70	2,077.46	10.51	11.00	-125.72	-99.97	370.53	494.70	474.03	20.67	23.933		
2,300.00	2,276.88	2,224.01	2,168.98	10.97	11.53	-125.03	-110.64	394.90	524.40	502.83	21.58	24.303		
2,400.00	2,375.59	2,319.32	2,260.50	11.43	12.06	-124.41	-121.32	419.27	554.16	531.67	22.49	24.641		
2,500.00	2,474.31	2,414.63	2,352.02	11.89	12.59	-123.86	-131.99	443.64	583.98	560.57	23.41	24.951		
2,600.00	2,573.02	2,509.94	2,443.53	12.36	13.12	-123.36	-142.66	468.01	613.83	589.51	24.32	25.235		
2,700.00	2,671.73	2,605.24	2,535.05	12.82	13.66	-122.91	-153.34	492.38	643.73	618.48	25.25	25.496		
2,800.00	2,770.44	2,700.55	2,626.57	13.29	14.19	-122.49	-164.01	516.75	673.66	647.49	26.17	25.737		
2,900.00	2,869.15	2,795.86	2,718.09	13.76	14.73	-122.12	-174.68	541.12	703.62	676.52	27.10	25.960		
3,000.00	2,967.86	2,908.83	2,809.61	14.23	15.37	-121.77	-185.36	565.49	733.61	705.48	28.13	26.081		
3,100.00	3,066.57	2,986.48	2,901.13	14.70	15.81	-121.45	-196.03	589.87	763.61	734.64	28.97	26.360		
3,200.00	3,165.28	3,081.79	2,992.65	15.17	16.36	-121.15	-206.70	614.24	793.64	763.74	29.90	26.539		
3,300.00	3,263.99	3,177.09	3,084.17	15.64	16.90	-120.88	-217.38	638.61	823.69	792.84	30.84	26.706		
3,400.00	3,362.70	3,272.40	3,175.69	16.11	17.45	-120.63	-228.05	662.98	853.75	821.97	31.78	26.863		
3,500.00	3,461.41	3,390.03	3,289.04	16.59	18.10	-120.40	-240.65	691.75	882.94	849.99	32.95	26.794		
3,600.00	3,560.12	3,518.12	3,413.79	17.06	18.77	-120.38	-252.29	718.32	908.91	874.74	34.18	26.595		
3,700.00	3,658.84	3,648.42	3,541.90	17.53	19.40	-120.59	-261.82	740.08	931.45	896.09	35.35	26.348		
3,800.00	3,757.55	3,780.43	3,672.65	18.01	19.99	-121.03	-269.08	756.66	950.48	914.01	36.47	26.059		
3,900.00	3,856.26	3,913.62	3,805.27	18.48	20.54	-121.67	-273.95	767.78	966.01	928.48	37.54	25.736		
4,000.00	3,954.97	4,047.41	3,938.92	18.96	21.05	-122.53	-276.34	773.25	978.06	939.54	38.52	25.389		
4,100.00	4,053.68	4,162.18	4,053.68	19.44	21.45	-123.41	-276.60	773.85	987.23	947.83	39.40	25.054		
4,200.00	4,152.39	4,260.89	4,152.39	19.91	21.79	-124.17	-276.60	773.85	996.21	955.97	40.24	24.757		
4,300.00	4,251.10	4,359.60	4,251.10	20.39	22.13	-124.92	-276.60	773.85	1,005.37	964.29	41.08	24.476		
4,400.00	4,349.81	4,458.31	4,349.81	20.87	22.47	-125.65	-276.60	773.85	1,014.69	972.78	41.91	24.209		
4,500.00	4,448.52	4,557.02	4,448.52	21.34	22.82	-126.37	-276.60	773.85	1,024.18	981.43	42.75	23.956		
4,600.00	4,547.23	4,655.73	4,547.23	21.82	23.17	-127.08	-276.60	773.85	1,033.83	990.24	43.59	23.715		
4,700.00	4,645.94	4,754.44	4,645.94	22.30	23.53	-127.78	-276.60	773.85	1,043.64	999.21	44.44	23.486		
4,800.00	4,744.65	4,853.15	4,744.65	22.78	23.88	-128.46	-276.60	773.85	1,053.60	1,008.32	45.28	23.269		
4,900.00	4,843.37	4,951.86	4,843.37	23.26	24.24	-129.13	-276.60	773.85	1,063.71	1,017.58	46.12	23.062		
5,000.00	4,942.08	5,050.57	4,942.08	23.74	24.60	-129.79	-276.60	773.85	1,073.96	1,026.99	46.97	22.865		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	5,149.29	5,040.79	24.21	24.97	-130.43	-276.60	773.85	1,084.35	1,036.53	47.81	22.678		
5,200.00	5,139.50	5,248.00	5,139.50	24.69	25.33	-131.06	-276.60	773.85	1,094.87	1,046.21	48.66	22.500		
5,300.00	5,238.21	5,346.71	5,238.21	25.17	25.70	-131.68	-276.60	773.85	1,105.53	1,056.02	49.51	22.330		
5,400.00	5,336.92	5,445.42	5,336.92	25.65	26.07	-132.29	-276.60	773.85	1,116.31	1,065.95	50.36	22.167		
5,500.00	5,435.63	5,544.13	5,435.63	26.13	26.44	-132.89	-276.60	773.85	1,127.22	1,076.01	51.21	22.013		
5,600.00	5,534.34	5,642.84	5,534.34	26.61	26.82	-133.48	-276.60	773.85	1,138.25	1,086.19	52.06	21.865		
5,700.00	5,633.05	5,741.55	5,633.05	27.09	27.19	-134.05	-276.60	773.85	1,149.39	1,096.49	52.91	21.724		
5,800.00	5,731.76	5,840.26	5,731.76	27.57	27.57	-134.62	-276.60	773.85	1,160.65	1,106.89	53.76	21.590		
5,900.00	5,830.47	5,938.97	5,830.47	28.05	27.95	-135.17	-276.60	773.85	1,172.02	1,117.41	54.61	21.461		
6,000.00	5,929.18	6,037.68	5,929.18	28.53	28.33	-135.71	-276.60	773.85	1,183.50	1,128.04	55.46	21.338		
6,100.00	6,027.90	6,136.39	6,027.90	29.01	28.71	-136.25	-276.60	773.85	1,195.08	1,138.76	56.32	21.220		
6,200.00	6,126.61	6,235.11	6,126.61	29.49	29.19	-136.79	-311.41	-302.69	1,183.18	1,140.41	42.76	27.667		
6,300.00	6,225.32	6,334.22	6,225.32	29.97	29.67	-137.33	-311.53	-306.42	1,105.77	1,059.70	46.07	24.001		
6,311.21	6,236.38	6,347.76	6,236.38	30.03	29.73	-137.44	-311.54	-306.84	1,097.32	1,050.86	46.47	23.616		
6,350.00	6,274.70	6,383.89	6,274.70	30.21	29.91	-137.86	-311.55	-307.11	1,068.48	1,020.63	47.85	22.330		
6,400.00	6,324.03	6,433.06	6,324.03	30.43	30.13	-138.25	-311.45	-303.97	1,032.43	982.76	49.67	20.787		
6,450.00	6,373.00	6,482.00	6,373.00	30.65	30.35	-138.75	-311.22	-296.93	997.93	946.42	51.51	19.375		
6,500.00	6,421.31	6,530.31	6,421.31	30.84	30.54	-139.52	-310.87	-286.04	965.29	911.95	53.34	18.097		
6,550.00	6,468.66	6,577.66	6,468.66	31.03	30.73	-140.40	-310.40	-271.36	934.80	879.65	55.15	16.951		
6,600.00	6,514.76	6,623.76	6,514.76	31.20	30.90	-141.29	-309.80	-252.98	906.67	849.77	56.90	15.935		
6,650.00	6,559.32	6,668.32	6,559.32	31.37	31.07	-142.90	-309.09	-231.01	881.10	822.54	58.56	15.047		
6,700.00	6,602.08	6,711.08	6,602.08	31.52	31.22	-126.33	-308.27	-205.60	858.19	798.09	60.11	14.277		
6,750.00	6,642.77	6,751.77	6,642.77	31.65	31.35	-124.87	-307.34	-176.89	838.02	776.50	61.52	13.621		
6,800.00	6,681.13	6,790.13	6,681.13	31.78	31.48	-123.43	-306.31	-145.06	820.58	757.81	62.77	13.073		
6,850.00	6,716.93	6,825.93	6,716.93	31.89	31.59	-121.97	-305.19	-110.31	805.79	741.95	63.84	12.622		
6,900.00	6,749.95	6,858.95	6,749.95	31.99	31.69	-120.48	-303.98	-72.86	793.53	728.78	64.75	12.255		
6,950.00	6,779.98	6,888.98	6,779.98	32.08	31.78	-118.98	-302.69	-32.93	783.62	718.15	65.47	11.968		
7,000.00	6,806.85	6,915.85	6,806.85	32.16	31.86	-117.50	-301.32	9.23	775.85	709.79	66.06	11.744		
7,050.00	6,830.38	6,939.38	6,830.38	32.24	31.94	-116.08	-299.90	53.35	770.00	703.49	66.51	11.578		
7,100.00	6,850.43	6,959.43	6,850.43	32.35	32.05	-114.77	-298.42	99.18	765.82	698.98	66.84	11.457		
7,150.00	6,866.88	6,975.88	6,866.88	32.59	32.29	-113.21	-296.37	162.60	762.90	695.96	66.93	11.398		
7,200.00	6,879.62	6,988.62	6,879.62	32.99	32.69	-111.02	-293.60	248.10	759.23	692.28	66.96	11.339		
7,250.00	6,888.58	6,997.58	6,888.58	33.48	33.18	-108.87	-291.09	325.66	754.61	687.41	67.21	11.229		
7,300.00	6,893.70	7,002.70	6,893.70	34.02	33.72	-106.79	-288.86	394.89	749.35	681.74	67.61	11.084		
7,339.40	6,895.01	7,004.41	6,895.01	34.48	34.18	-105.22	-287.28	443.70	744.92	676.95	67.97	10.960		
7,400.00	6,895.16	7,004.86	6,895.16	35.24	34.94	-102.13	-285.21	507.68	737.73	669.13	68.60	10.754		
7,500.00	6,895.43	7,104.43	6,895.43	36.64	36.34	-97.02	-282.71	585.04	726.85	657.16	69.69	10.430		
7,600.00	6,895.69	7,104.69	6,895.69	38.20	37.90	-92.46	-281.05	636.40	720.91	650.26	70.64	10.205		
7,627.78	6,895.76	7,104.76	6,895.76	38.68	38.38	-91.32	-280.69	647.35	720.58	649.69	70.88	10.165		
7,700.00	6,895.95	7,104.95	6,895.95	39.91	39.61	-88.64	-279.94	670.82	722.96	651.57	71.39	10.127		
7,800.00	6,896.21	7,105.21	6,896.21	41.75	41.45	-85.53	-279.17	694.44	734.81	662.89	71.93	10.216		
7,900.00	6,896.47	7,105.47	6,896.47	43.69	43.39	-82.99	-278.63	711.10	757.14	684.90	72.24	10.480		
8,000.00	6,896.74	7,105.74	6,896.74	45.73	45.43	-81.22	-278.30	721.49	789.80	717.34	72.46	10.900		
8,100.00	6,897.00	7,106.00	6,897.00	47.85	47.55	-79.20	-277.95	732.18	831.96	759.61	72.36	11.498		
8,200.00	6,897.26	7,106.26	6,897.26	50.04	49.74	-77.65	-277.71	739.52	882.62	810.41	72.20	12.224		
8,300.00	6,897.52	7,106.52	6,897.52	52.30	52.00	-76.56	-277.56	744.33	940.56	868.52	72.05	13.055		
8,400.00	6,897.78	7,106.78	6,897.78	54.61	54.31	-75.52	-277.42	748.53	1,004.68	932.85	71.82	13.988		
8,500.00	6,898.05	7,107.05	6,898.05	56.98	56.68	-74.09	-277.25	753.84	1,074.00	1,002.54	71.46	15.030		
8,600.00	6,898.31	7,107.31	6,898.31	59.38	59.08	-72.59	-277.09	758.80	1,147.49	1,076.08	71.41	16.069		
8,700.00	6,898.57	7,107.57	6,898.57	61.82	61.52	-71.09	-277.09	758.80	1,224.74	1,153.42	71.32	17.173		
8,800.00	6,898.83	7,107.83	6,898.83	64.30	64.00	-72.59	-277.09	758.80	1,304.62	1,233.71	70.91	18.398		
8,900.00	6,899.10	7,108.10	6,899.10	66.81	66.51	-72.06	-277.04	760.39	1,387.14	1,316.43	70.71	19.617		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	6,750.00	6,640.95	69.34	31.09	-70.59	-276.91	764.36	1,471.93	1,401.59	70.34	20.925		
9,100.00	6,899.62	6,750.00	6,640.95	71.90	31.09	-70.59	-276.91	764.36	1,558.13	1,487.87	70.26	22.177		
9,200.00	6,899.88	6,750.00	6,640.95	74.48	31.09	-70.59	-276.91	764.36	1,645.89	1,575.72	70.17	23.455		
9,300.00	6,900.14	6,750.00	6,640.95	77.08	31.09	-70.59	-276.91	764.36	1,734.97	1,664.89	70.09	24.755		
9,400.00	6,900.41	6,750.00	6,640.95	79.70	31.09	-70.59	-276.91	764.36	1,825.19	1,755.19	70.00	26.074		
9,500.00	6,900.67	6,750.00	6,640.95	82.33	31.09	-70.59	-276.91	764.36	1,916.38	1,846.46	69.92	27.409		
9,600.00	6,900.93	6,750.00	6,640.95	84.97	31.09	-70.59	-276.91	764.36	2,008.40	1,938.56	69.84	28.757		
9,700.00	6,901.19	6,731.30	6,622.49	87.63	31.02	-69.30	-276.82	767.31	2,100.82	2,031.21	69.61	30.181		
9,800.00	6,901.45	6,727.97	6,619.19	90.31	31.01	-69.07	-276.80	767.77	2,194.08	2,124.56	69.52	31.560		
9,900.00	6,901.72	6,724.88	6,616.13	92.99	31.00	-68.86	-276.79	768.19	2,287.90	2,218.46	69.44	32.947		
10,000.00	6,901.98	6,722.00	6,613.28	95.68	30.99	-68.67	-276.78	768.57	2,382.20	2,312.83	69.37	34.341		
10,100.00	6,902.24	6,719.31	6,610.61	98.38	30.98	-68.49	-276.76	768.91	2,476.93	2,407.63	69.31	35.739		
10,200.00	6,902.50	6,700.00	6,591.41	101.09	30.90	-67.18	-276.70	771.02	2,572.32	2,503.19	69.13	37.212		
10,300.00	6,902.76	6,700.00	6,591.41	103.81	30.90	-67.18	-276.70	771.02	2,667.71	2,598.62	69.10	38.609		
10,400.00	6,903.03	6,700.00	6,591.41	106.53	30.90	-67.18	-276.70	771.02	2,763.43	2,694.37	69.07	40.010		
10,500.00	6,903.29	6,700.00	6,591.41	109.26	30.90	-67.18	-276.70	771.02	2,859.45	2,790.40	69.04	41.414		
10,600.00	6,903.55	6,700.00	6,591.41	112.00	30.90	-67.18	-276.70	771.02	2,955.73	2,886.70	69.02	42.822		
10,700.00	6,903.81	6,700.00	6,591.41	114.75	30.90	-67.18	-276.70	771.02	3,052.25	2,983.24	69.01	44.231		
10,800.00	6,904.08	6,700.00	6,591.41	117.49	30.90	-67.18	-276.70	771.02	3,148.98	3,079.99	68.99	45.643		
10,900.00	6,904.34	6,700.00	6,591.41	120.25	30.90	-67.18	-276.70	771.02	3,245.91	3,176.93	68.98	47.056		
11,000.00	6,904.60	6,700.00	6,591.41	123.00	30.90	-67.18	-276.70	771.02	3,343.03	3,274.06	68.97	48.470		
11,100.00	6,904.86	6,700.00	6,591.41	125.77	30.90	-67.18	-276.70	771.02	3,440.31	3,371.34	68.96	49.885		
11,200.00	6,905.12	6,700.00	6,591.41	128.53	30.90	-67.18	-276.70	771.02	3,537.74	3,468.78	68.96	51.300		
11,300.00	6,905.39	6,700.00	6,591.41	131.30	30.90	-67.18	-276.70	771.02	3,635.31	3,566.35	68.96	52.716		
11,400.00	6,905.65	6,700.00	6,591.41	134.08	30.90	-67.18	-276.70	771.02	3,733.01	3,664.04	68.96	54.131		
11,500.00	6,905.91	6,700.00	6,591.41	136.85	30.90	-67.18	-276.70	771.02	3,830.82	3,761.86	68.97	55.546		
11,600.00	6,906.17	6,700.00	6,591.41	139.63	30.90	-67.18	-276.70	771.02	3,928.75	3,859.78	68.97	56.961		
11,700.00	6,906.43	6,700.00	6,591.41	142.42	30.90	-67.18	-276.70	771.02	4,026.78	3,957.80	68.98	58.375		
11,800.00	6,906.70	6,700.00	6,591.41	145.20	30.90	-67.18	-276.70	771.02	4,124.91	4,055.91	68.99	59.788		
11,900.00	6,906.96	6,700.00	6,591.41	147.99	30.90	-67.18	-276.70	771.02	4,223.12	4,154.11	69.01	61.200		
12,000.00	6,907.22	6,700.00	6,591.41	150.78	30.90	-67.18	-276.70	771.02	4,321.41	4,252.39	69.02	62.610		
12,100.00	6,907.48	6,700.00	6,591.41	153.57	30.90	-67.18	-276.70	771.02	4,419.78	4,350.75	69.04	64.020		
12,200.00	6,907.74	6,700.00	6,591.41	156.37	30.90	-67.18	-276.70	771.02	4,518.23	4,449.17	69.06	65.427		
12,300.00	6,908.01	6,700.00	6,591.41	159.17	30.90	-67.18	-276.70	771.02	4,616.73	4,547.66	69.08	66.834		
12,400.00	6,908.27	6,700.00	6,591.41	161.97	30.90	-67.18	-276.70	771.02	4,715.31	4,646.21	69.10	68.238		
12,500.00	6,908.53	6,700.00	6,591.41	164.77	30.90	-67.18	-276.70	771.02	4,813.94	4,744.81	69.13	69.640		
12,600.00	6,908.79	6,700.00	6,591.41	167.57	30.90	-67.18	-276.70	771.02	4,912.62	4,843.47	69.15	71.041		
12,700.00	6,909.06	6,700.00	6,591.41	170.38	30.90	-67.18	-276.70	771.02	5,011.36	4,942.18	69.18	72.439		
12,800.00	6,909.32	6,700.00	6,591.41	173.18	30.90	-67.18	-276.70	771.02	5,110.15	5,040.94	69.21	73.836		
12,900.00	6,909.58	6,700.00	6,591.41	175.99	30.90	-67.18	-276.70	771.02	5,208.98	5,139.74	69.24	75.230		
13,000.00	6,909.84	6,700.00	6,591.41	178.80	30.90	-67.18	-276.70	771.02	5,307.86	5,238.59	69.27	76.621		
13,100.00	6,910.10	6,700.00	6,591.41	181.61	30.90	-67.18	-276.70	771.02	5,406.78	5,337.47	69.31	78.010		
13,200.00	6,910.37	6,700.00	6,591.41	184.42	30.90	-67.18	-276.70	771.02	5,505.74	5,436.39	69.34	79.397		
13,300.00	6,910.63	6,700.00	6,591.41	187.24	30.90	-67.18	-276.70	771.02	5,604.73	5,535.35	69.38	80.781		
13,400.00	6,910.89	6,700.00	6,591.41	190.05	30.90	-67.18	-276.70	771.02	5,703.76	5,634.34	69.42	82.162		
13,500.00	6,911.15	6,677.93	6,569.41	192.87	30.82	-65.72	-276.64	772.71	5,802.40	5,733.03	69.37	83.644		
13,600.00	6,911.41	6,677.37	6,568.85	195.68	30.82	-65.69	-276.64	772.75	5,901.48	5,832.07	69.41	85.023		
13,700.00	6,911.68	6,676.82	6,568.30	198.50	30.82	-65.65	-276.64	772.78	6,000.58	5,931.13	69.45	86.399		
13,800.00	6,911.94	6,676.30	6,567.78	201.32	30.81	-65.62	-276.64	772.81	6,099.71	6,030.22	69.49	87.772		
13,900.00	6,912.20	6,675.78	6,567.27	204.14	30.81	-65.58	-276.64	772.84	6,198.87	6,129.34	69.54	89.143		
14,000.00	6,912.46	6,675.29	6,566.77	206.96	30.81	-65.55	-276.64	772.87	6,298.06	6,228.48	69.58	90.510		
14,100.00	6,912.72	6,674.80	6,566.29	209.78	30.81	-65.52	-276.64	772.89	6,397.27	6,327.64	69.63	91.873		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,674.33	6,565.82	212.61	30.81	-65.49	-276.63	772.92	6,496.51	6,426.83	69.68	93.234		
14,300.00	6,913.25	6,673.88	6,565.36	215.43	30.81	-65.46	-276.63	772.94	6,595.76	6,526.04	69.73	94.592		
14,400.00	6,913.51	6,673.44	6,564.92	218.26	30.80	-65.43	-276.63	772.97	6,695.04	6,625.26	69.78	95.946		
14,500.00	6,913.77	6,673.00	6,564.49	221.08	30.80	-65.40	-276.63	772.99	6,794.34	6,724.51	69.83	97.296		
14,600.00	6,914.04	6,672.58	6,564.07	223.91	30.80	-65.37	-276.63	773.01	6,893.66	6,823.78	69.88	98.644		
14,700.00	6,914.30	6,650.00	6,541.50	226.73	30.72	-63.92	-276.61	773.77	6,993.42	6,923.57	69.85	100.116		
14,800.00	6,914.56	6,650.00	6,541.50	229.56	30.72	-63.92	-276.61	773.77	7,092.76	7,022.85	69.91	101.455		
14,900.00	6,914.82	6,650.00	6,541.50	232.39	30.72	-63.92	-276.61	773.77	7,192.12	7,122.15	69.97	102.790		
15,000.00	6,915.08	6,650.00	6,541.50	235.22	30.72	-63.92	-276.61	773.77	7,291.50	7,221.47	70.03	104.122		
15,100.00	6,915.35	6,650.00	6,541.50	238.05	30.72	-63.92	-276.61	773.77	7,390.90	7,320.81	70.09	105.450		
15,200.00	6,915.61	6,650.00	6,541.50	240.88	30.72	-63.92	-276.61	773.77	7,490.31	7,420.16	70.15	106.775		
15,300.00	6,915.87	6,650.00	6,541.50	243.71	30.72	-63.92	-276.61	773.77	7,589.73	7,519.52	70.21	108.096		
15,400.00	6,916.13	6,650.00	6,541.50	246.54	30.72	-63.92	-276.61	773.77	7,689.18	7,618.90	70.28	109.413		
15,500.00	6,916.39	6,650.00	6,541.50	249.37	30.72	-63.92	-276.61	773.77	7,788.63	7,718.29	70.34	110.727		
15,600.00	6,916.66	6,650.00	6,541.50	252.20	30.72	-63.92	-276.61	773.77	7,888.10	7,817.69	70.41	112.036		
15,700.00	6,916.92	6,650.00	6,541.50	255.03	30.72	-63.92	-276.61	773.77	7,987.58	7,917.11	70.47	113.342		
15,800.00	6,917.18	6,650.00	6,541.50	257.87	30.72	-63.92	-276.61	773.77	8,087.08	8,016.54	70.54	114.644		
15,900.00	6,917.44	6,650.00	6,541.50	260.70	30.72	-63.92	-276.61	773.77	8,186.59	8,115.98	70.61	115.943		
16,000.00	6,917.70	6,650.00	6,541.50	263.53	30.72	-63.92	-276.61	773.77	8,286.11	8,215.43	70.68	117.237		
16,100.00	6,917.97	6,650.00	6,541.50	266.37	30.72	-63.92	-276.61	773.77	8,385.64	8,314.89	70.75	118.528		
16,200.00	6,918.23	6,650.00	6,541.50	269.20	30.72	-63.92	-276.61	773.77	8,485.18	8,414.36	70.82	119.814		
16,300.00	6,918.49	6,650.00	6,541.50	272.04	30.72	-63.92	-276.61	773.77	8,584.73	8,513.84	70.89	121.097		
16,400.00	6,918.75	6,650.00	6,541.50	274.87	30.72	-63.92	-276.61	773.77	8,684.29	8,613.33	70.96	122.375		
16,500.00	6,919.02	6,650.00	6,541.50	277.71	30.72	-63.92	-276.61	773.77	8,783.87	8,712.83	71.04	123.650		
16,600.00	6,919.28	6,650.00	6,541.50	280.55	30.72	-63.92	-276.61	773.77	8,883.45	8,812.34	71.11	124.921		
16,700.00	6,919.54	6,650.00	6,541.50	283.38	30.72	-63.92	-276.61	773.77	8,983.04	8,911.85	71.19	126.187		
16,800.00	6,919.80	6,650.00	6,541.50	286.22	30.72	-63.92	-276.61	773.77	9,082.64	9,011.38	71.26	127.449		
16,900.00	6,920.06	6,650.00	6,541.50	289.06	30.72	-63.92	-276.61	773.77	9,182.25	9,110.91	71.34	128.708		
17,000.00	6,920.33	6,650.00	6,541.50	291.90	30.72	-63.92	-276.61	773.77	9,281.87	9,210.45	71.42	129.962		
17,100.00	6,920.59	6,650.00	6,541.50	294.73	30.72	-63.92	-276.61	773.77	9,381.49	9,310.00	71.50	131.212		
17,200.00	6,920.85	6,650.00	6,541.50	297.57	30.72	-63.92	-276.61	773.77	9,481.13	9,409.55	71.58	132.458		
17,300.00	6,921.11	6,650.00	6,541.50	300.41	30.72	-63.92	-276.61	773.77	9,580.77	9,509.11	71.66	133.700		
17,400.00	6,921.37	6,650.00	6,541.50	303.25	30.72	-63.92	-276.61	773.77	9,680.42	9,608.68	71.74	134.937		
17,500.00	6,921.64	6,650.00	6,541.50	306.09	30.72	-63.92	-276.61	773.77	9,780.07	9,708.25	71.82	136.170		
17,600.00	6,921.90	6,650.00	6,541.50	308.93	30.72	-63.92	-276.61	773.77	9,879.74	9,807.83	71.91	137.399		
17,638.91	6,922.00	6,650.00	6,541.50	310.03	30.72	-63.92	-276.61	773.77	9,918.51	9,846.58	71.94	137.877		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.54	74.68	7.24	75.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.54	74.68	7.24	75.03	68.46	6.57	11.421		
200.00	200.00	200.00	200.00	3.34	3.34	5.54	74.68	7.24	75.03	68.36	6.67	11.242 CC, ES		
300.00	299.98	300.09	300.07	3.44	3.44	170.14	74.41	8.96	76.67	69.78	6.88	11.140 SF		
400.00	399.84	399.76	399.60	3.59	3.60	174.41	73.59	14.11	81.88	74.69	7.19	11.390		
500.00	499.45	498.61	498.07	3.79	3.80	-179.65	72.25	22.60	91.40	83.81	7.59	12.040		
600.00	598.70	603.64	595.10	4.04	4.06	-173.27	70.40	34.25	105.98	97.88	8.10	13.084		
660.50	658.52	655.47	653.68	4.20	4.20	-169.94	69.17	42.06	117.19	108.78	8.41	13.930		
700.00	697.51	706.00	691.86	4.31	4.35	-168.14	68.36	47.16	125.08	116.41	8.67	14.420		
800.00	796.22	808.48	788.51	4.63	4.67	-164.47	66.32	60.05	145.49	136.20	9.29	15.657		
900.00	894.93	889.05	885.16	4.98	4.94	-161.71	64.28	72.94	166.33	156.45	9.88	16.832		
1,000.00	993.64	986.58	981.81	5.34	5.29	-159.57	62.23	85.83	187.47	176.90	10.57	17.743		
1,100.00	1,092.35	1,084.10	1,078.46	5.73	5.65	-157.86	60.19	98.72	208.80	197.52	11.28	18.511		
1,200.00	1,191.06	1,181.63	1,175.11	6.13	6.03	-156.46	58.15	111.60	230.28	218.26	12.02	19.157		
1,300.00	1,289.78	1,279.16	1,271.76	6.54	6.41	-155.31	56.11	124.49	251.86	239.08	12.78	19.703		
1,400.00	1,388.49	1,376.68	1,368.41	6.95	6.81	-154.33	54.07	137.38	273.53	259.97	13.56	20.166		
1,500.00	1,487.20	1,474.21	1,465.06	7.38	7.21	-153.50	52.03	150.27	295.26	280.90	14.36	20.562		
1,600.00	1,585.91	1,571.74	1,561.71	7.81	7.61	-152.79	49.99	163.16	317.05	301.88	15.17	20.902		
1,700.00	1,684.62	1,669.26	1,658.36	8.25	8.03	-152.16	47.94	176.05	338.87	322.88	15.99	21.195		
1,800.00	1,783.33	1,766.79	1,755.00	8.70	8.45	-151.61	45.90	188.94	360.73	343.91	16.82	21.450		
1,900.00	1,882.04	1,864.32	1,851.65	9.15	8.87	-151.13	43.86	201.83	382.62	364.96	17.65	21.673		
2,000.00	1,980.75	1,961.84	1,948.30	9.60	9.29	-150.69	41.82	214.72	404.53	386.03	18.50	21.868		
2,100.00	2,079.46	2,059.37	2,044.95	10.05	9.72	-150.30	39.78	227.61	426.46	407.11	19.35	22.041		
2,200.00	2,178.17	2,156.90	2,141.60	10.51	10.15	-149.95	37.74	240.50	448.41	428.20	20.20	22.194		
2,300.00	2,276.88	2,254.43	2,238.25	10.97	10.58	-149.63	35.69	253.39	470.37	449.30	21.06	22.330		
2,400.00	2,375.59	2,351.95	2,334.90	11.43	11.02	-149.34	33.65	266.28	492.34	470.41	21.93	22.452		
2,500.00	2,474.31	2,449.48	2,431.55	11.89	11.45	-149.08	31.61	279.17	514.33	491.53	22.80	22.562		
2,600.00	2,573.02	2,547.01	2,528.20	12.36	11.89	-148.83	29.57	292.06	536.32	512.65	23.67	22.660		
2,700.00	2,671.73	2,644.53	2,624.85	12.82	12.33	-148.61	27.53	304.95	558.32	533.78	24.54	22.750		
2,800.00	2,770.44	2,742.06	2,721.50	13.29	12.77	-148.40	25.49	317.84	580.34	554.92	25.42	22.831		
2,900.00	2,869.15	2,839.59	2,818.15	13.76	13.21	-148.21	23.45	330.73	602.35	576.06	26.30	22.905		
3,000.00	2,967.86	2,937.11	2,914.80	14.23	13.65	-148.03	21.40	343.62	624.38	597.20	27.18	22.973		
3,100.00	3,066.57	3,034.64	3,011.45	14.70	14.09	-147.87	19.36	356.51	646.41	618.34	28.06	23.035		
3,200.00	3,165.28	3,132.17	3,108.10	15.17	14.54	-147.71	17.32	369.40	668.44	639.49	28.95	23.092		
3,300.00	3,263.99	3,229.69	3,204.75	15.64	14.98	-147.56	15.28	382.29	690.48	660.64	29.83	23.144		
3,400.00	3,362.70	3,327.22	3,301.40	16.11	15.43	-147.43	13.24	395.18	712.52	681.80	30.72	23.193		
3,500.00	3,461.41	3,424.75	3,398.05	16.59	15.87	-147.30	11.20	408.07	734.56	702.95	31.61	23.238		
3,600.00	3,560.12	3,522.27	3,494.70	17.06	16.32	-147.18	9.15	420.96	756.61	724.11	32.50	23.279		
3,700.00	3,658.84	3,619.80	3,591.35	17.53	16.77	-147.06	7.11	433.85	778.67	745.27	33.39	23.318		
3,800.00	3,757.55	3,717.33	3,688.00	18.01	17.21	-146.96	5.07	446.74	800.72	766.43	34.29	23.354		
3,900.00	3,856.26	3,814.86	3,784.65	18.48	17.66	-146.86	3.03	459.63	822.78	787.60	35.18	23.388		
4,000.00	3,954.97	3,912.38	3,881.30	18.96	18.11	-146.76	0.99	472.52	844.84	808.76	36.07	23.419		
4,100.00	4,053.68	4,009.91	3,977.95	19.44	18.56	-146.67	-1.05	485.41	866.90	829.93	36.97	23.449		
4,200.00	4,152.39	4,107.44	4,074.60	19.91	19.01	-146.58	-3.09	498.30	888.96	851.10	37.87	23.477		
4,300.00	4,251.10	4,204.96	4,171.25	20.39	19.46	-146.50	-5.14	511.19	911.03	872.27	38.76	23.503		
4,400.00	4,349.81	4,302.49	4,267.90	20.87	19.91	-146.42	-7.18	524.08	933.10	893.44	39.66	23.527		
4,500.00	4,448.52	4,400.02	4,364.55	21.34	20.36	-146.34	-9.22	536.97	955.17	914.61	40.56	23.550		
4,600.00	4,547.23	4,502.46	4,461.20	21.82	20.83	-146.27	-11.26	549.86	977.24	935.76	41.48	23.559		
4,700.00	4,645.94	4,604.93	4,557.85	22.30	21.31	-146.20	-13.30	562.74	999.31	956.91	42.40	23.567		
4,800.00	4,744.65	4,707.40	4,654.50	22.78	21.78	-146.14	-15.34	575.63	1,021.38	978.06	43.33	23.575		
4,900.00	4,843.37	4,809.88	4,751.15	23.26	22.25	-146.07	-17.39	588.52	1,043.46	999.21	44.25	23.582		
5,000.00	4,942.08	4,887.65	4,847.80	23.74	22.61	-146.01	-19.43	601.41	1,065.53	1,020.47	45.06	23.648		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,985.18	4,944.45	24.21	23.06	-145.95	-21.47	614.30	1,087.61	1,041.65	45.96	23.664		
5,200.00	5,139.50	5,082.70	5,041.10	24.69	23.52	-145.90	-23.51	627.19	1,109.69	1,062.82	46.86	23.680		
5,300.00	5,238.21	5,180.23	5,137.75	25.17	23.97	-145.85	-25.55	640.08	1,131.76	1,084.00	47.76	23.695		
5,400.00	5,336.92	5,277.76	5,234.40	25.65	24.42	-145.79	-27.59	652.97	1,153.84	1,105.18	48.67	23.709		
5,500.00	5,435.63	5,375.29	5,331.05	26.13	24.87	-145.74	-29.63	665.86	1,175.92	1,126.35	49.57	23.723		
5,600.00	5,534.34	5,472.81	5,427.70	26.61	25.32	-145.70	-31.68	678.75	1,198.01	1,147.53	50.47	23.736		
5,700.00	5,633.05	5,570.34	5,524.35	27.09	25.78	-145.65	-33.72	691.64	1,220.09	1,168.71	51.38	23.748		
5,800.00	5,731.76	5,667.87	5,621.00	27.57	26.23	-145.61	-35.76	704.53	1,242.17	1,189.89	52.28	23.760		
5,900.00	5,830.47	5,765.39	5,717.65	28.05	26.68	-145.56	-37.80	717.42	1,264.25	1,211.07	53.18	23.771		
6,000.00	5,929.18	5,864.31	5,816.07	28.53	27.05	-145.51	-39.83	730.31	1,286.33	1,233.15	54.08	23.782		
6,100.00	6,027.90	5,962.23	5,913.82	29.01	27.42	-145.46	-41.86	743.20	1,308.41	1,255.23	54.98	23.793		
6,200.00	6,126.61	6,059.94	6,010.51	29.49	27.79	-145.41	-43.89	756.09	1,330.49	1,277.31	55.88	23.804		
6,300.00	6,225.32	6,158.65	6,108.08	29.97	28.16	-145.36	-45.92	768.98	1,352.57	1,299.39	56.78	23.815		
6,311.21	6,236.38	6,169.52	6,118.51	30.03	28.28	-145.34	-46.43	771.42	1,357.44	1,304.26	57.10	18.874		
6,350.00	6,274.70	6,206.86	6,155.90	30.21	28.43	-145.32	-47.45	776.31	1,367.33	1,314.15	57.51	18.058		
6,400.00	6,324.03	6,256.19	6,204.23	30.43	28.63	-145.29	-48.47	781.20	1,377.22	1,324.04	57.92	17.105		
6,450.00	6,373.00	6,305.16	6,252.50	30.65	28.83	-145.26	-49.49	786.09	1,387.11	1,333.93	58.33	16.264		
6,500.00	6,421.31	6,353.47	6,300.81	30.84	29.03	-145.23	-50.51	790.98	1,397.00	1,343.82	58.74	15.535		
6,550.00	6,469.62	6,399.78	6,346.12	31.03	29.23	-145.20	-51.53	795.87	1,406.89	1,353.71	59.15	14.914		
6,600.00	6,514.76	6,444.92	6,391.26	31.20	29.43	-145.17	-52.55	800.76	1,416.78	1,363.60	59.56	14.397		
6,650.00	6,559.32	6,489.48	6,435.82	31.37	29.63	-145.14	-53.57	805.65	1,426.67	1,373.49	59.97	13.976		
6,700.00	6,602.08	6,531.24	6,477.58	31.52	29.83	-145.11	-54.59	810.54	1,436.56	1,383.38	60.38	13.647		
6,750.00	6,642.77	6,570.93	6,516.27	31.65	30.03	-145.08	-55.61	815.43	1,446.45	1,393.27	60.79	13.403		
6,800.00	6,681.13	6,608.29	6,553.63	31.78	30.23	-145.05	-56.63	820.32	1,456.34	1,403.16	61.20	13.233		
6,850.00	6,716.93	6,644.09	6,589.43	31.89	30.43	-145.02	-57.65	825.21	1,466.23	1,413.05	61.61	13.129		
6,900.00	6,749.95	6,676.11	6,620.45	31.99	30.63	-145.00	-58.67	830.10	1,476.12	1,422.94	62.02	13.079		
6,950.00	6,779.98	6,706.14	6,650.48	32.08	30.83	-144.97	-59.69	834.99	1,486.01	1,432.83	62.43	13.074		
6,956.05	6,783.41	6,709.57	6,653.91	32.09	30.84	-144.97	-59.70	835.00	1,486.02	1,432.84	62.43	13.075		
7,000.00	6,806.85	6,730.01	6,676.35	32.16	30.93	-144.94	-60.71	839.89	1,495.91	1,442.73	62.84	13.098		
7,050.00	6,830.38	6,753.54	6,699.88	32.24	31.03	-144.91	-61.73	844.78	1,505.80	1,452.62	63.25	13.149		
7,100.00	6,850.43	6,773.59	6,719.93	32.35	31.13	-144.88	-62.75	849.67	1,515.69	1,462.51	63.66	13.203		
7,150.00	6,866.88	6,790.04	6,736.38	32.59	31.37	-144.83	-63.77	854.56	1,525.58	1,472.40	64.07	13.266		
7,200.00	6,879.62	6,802.78	6,749.12	32.99	31.65	-144.77	-64.79	859.45	1,535.47	1,482.29	64.48	13.328		
7,250.00	6,888.58	6,811.74	6,758.08	33.48	31.93	-144.71	-65.81	864.34	1,545.36	1,492.18	64.89	13.376		
7,300.00	6,893.70	6,816.86	6,763.20	34.02	32.21	-144.65	-66.83	869.23	1,555.25	1,502.07	65.30	13.405		
7,339.40	6,895.01	6,818.17	6,764.51	34.48	32.59	-144.59	-67.85	874.12	1,565.14	1,511.96	65.71	13.414		
7,400.00	6,895.16	6,818.32	6,764.66	35.24	33.03	-144.52	-68.87	879.01	1,575.03	1,521.85	66.12	13.413		
7,500.00	6,895.43	6,818.59	6,764.93	36.64	33.62	-144.45	-69.89	883.90	1,584.92	1,531.74	66.53	13.389		
7,600.00	6,895.69	6,818.85	6,765.19	38.20	34.21	-144.38	-70.91	888.79	1,594.81	1,541.63	66.94	13.380		
7,700.00	6,895.95	6,819.11	6,765.45	39.91	34.80	-144.31	-71.93	893.68	1,604.70	1,551.52	67.35	13.425		
7,800.00	6,896.21	6,819.37	6,765.71	41.75	35.39	-144.24	-72.95	898.57	1,614.59	1,561.41	67.76	13.550		
7,900.00	6,896.47	6,819.63	6,765.97	43.69	35.98	-144.17	-73.97	903.46	1,624.48	1,571.30	68.17	13.770		
8,000.00	6,896.74	6,819.89	6,766.23	45.73	36.57	-144.10	-74.99	908.35	1,634.37	1,581.19	68.58	14.092		
8,100.00	6,897.00	6,820.15	6,766.49	47.85	37.16	-144.03	-76.01	913.24	1,644.26	1,591.08	68.99	14.508		
8,200.00	6,897.26	6,820.41	6,766.75	50.04	37.75	-143.96	-77.03	918.13	1,654.15	1,600.97	69.40	15.039		
8,300.00	6,897.52	6,820.67	6,767.01	52.30	38.34	-143.89	-78.05	923.02	1,664.04	1,610.86	69.81	15.635		
8,400.00	6,897.78	6,820.93	6,767.27	54.61	38.93	-143.82	-79.07	927.91	1,673.93	1,620.75	70.22	16.352		
8,500.00	6,898.05	6,821.19	6,767.53	56.98	39.52	-143.75	-80.09	932.80	1,683.82	1,630.64	70.63	17.139		
8,600.00	6,898.31	6,821.45	6,767.79	59.38	40.11	-143.68	-81.11	937.69	1,693.71	1,640.53	71.04	17.967		
8,700.00	6,898.57	6,821.71	6,768.05	61.82	40.70	-143.61	-82.13	942.58	1,703.60	1,650.42	71.45	18.868		
8,800.00	6,898.83	6,821.97	6,768.31	64.30	41.29	-143.54	-83.15	947.47	1,713.49	1,660.31	71.86	19.855		
8,900.00	6,899.10	6,822.23	6,768.57	66.81	41.88	-143.47	-84.17	952.36	1,723.38	1,670.20	72.27	20.812		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	6,600.00	6,543.19	69.34	30.33	-69.49	-57.74	759.70	1,613.41	1,539.46	73.95	21.819		
9,100.00	6,899.62	6,577.56	6,521.87	71.90	30.24	-68.38	-56.93	766.62	1,692.22	1,618.43	73.79	22.934		
9,200.00	6,899.88	6,568.85	6,513.52	74.48	30.21	-67.95	-56.62	769.10	1,773.15	1,699.39	73.76	24.039		
9,300.00	6,900.14	6,550.00	6,495.35	77.08	30.14	-67.02	-55.96	774.08	1,855.94	1,782.32	73.62	25.210		
9,400.00	6,900.41	6,550.00	6,495.35	79.70	30.14	-67.02	-55.96	774.08	1,940.04	1,866.39	73.65	26.340		
9,500.00	6,900.67	6,550.00	6,495.35	82.33	30.14	-67.02	-55.96	774.08	2,025.59	1,951.92	73.67	27.496		
9,600.00	6,900.93	6,550.00	6,495.35	84.97	30.14	-67.02	-55.96	774.08	2,112.41	2,038.74	73.67	28.674		
9,700.00	6,901.19	6,550.00	6,495.35	87.63	30.14	-67.02	-55.96	774.08	2,200.35	2,126.69	73.66	29.871		
9,800.00	6,901.45	6,529.68	6,475.61	90.31	30.07	-66.03	-55.27	778.84	2,288.90	2,215.40	73.50	31.143		
9,900.00	6,901.72	6,524.75	6,470.80	92.99	30.05	-65.79	-55.11	779.91	2,378.50	2,305.05	73.45	32.384		
10,000.00	6,901.98	6,520.15	6,466.30	95.68	30.03	-65.56	-54.95	780.86	2,468.86	2,395.46	73.40	33.636		
10,100.00	6,902.24	6,500.00	6,446.53	98.38	29.96	-64.59	-54.30	784.66	2,560.13	2,486.88	73.25	34.952		
10,200.00	6,902.50	6,500.00	6,446.53	101.09	29.96	-64.59	-54.30	784.66	2,651.68	2,578.45	73.23	36.209		
10,300.00	6,902.76	6,500.00	6,446.53	103.81	29.96	-64.59	-54.30	784.66	2,743.83	2,670.61	73.22	37.474		
10,400.00	6,903.03	6,500.00	6,446.53	106.53	29.96	-64.59	-54.30	784.66	2,836.51	2,763.30	73.20	38.749		
10,500.00	6,903.29	6,500.00	6,446.53	109.26	29.96	-64.59	-54.30	784.66	2,929.66	2,856.48	73.19	40.031		
10,600.00	6,903.55	6,500.00	6,446.53	112.00	29.96	-64.59	-54.30	784.66	3,023.26	2,950.09	73.17	41.319		
10,700.00	6,903.81	6,500.00	6,446.53	114.75	29.96	-64.59	-54.30	784.66	3,117.25	3,044.10	73.15	42.613		
10,800.00	6,904.08	6,500.00	6,446.53	117.49	29.96	-64.59	-54.30	784.66	3,211.61	3,138.47	73.14	43.913		
10,900.00	6,904.34	6,500.00	6,446.53	120.25	29.96	-64.59	-54.30	784.66	3,306.30	3,233.17	73.12	45.217		
11,000.00	6,904.60	6,500.00	6,446.53	123.00	29.96	-64.59	-54.30	784.66	3,401.29	3,328.18	73.11	46.525		
11,100.00	6,904.86	6,500.00	6,446.53	125.77	29.96	-64.59	-54.30	784.66	3,496.56	3,423.46	73.09	47.836		
11,200.00	6,905.12	6,500.00	6,446.53	128.53	29.96	-64.59	-54.30	784.66	3,592.09	3,519.00	73.08	49.151		
11,300.00	6,905.39	6,500.00	6,446.53	131.30	29.96	-64.59	-54.30	784.66	3,687.85	3,614.78	73.07	50.468		
11,400.00	6,905.65	6,477.99	6,424.80	134.08	29.88	-63.55	-53.61	788.10	3,783.41	3,710.44	72.97	51.849		
11,500.00	6,905.91	6,476.01	6,422.83	136.85	29.87	-63.45	-53.55	788.37	3,879.51	3,806.56	72.96	53.175		
11,600.00	6,906.17	6,474.10	6,420.95	139.63	29.86	-63.36	-53.49	788.63	3,975.81	3,902.86	72.95	54.502		
11,700.00	6,906.43	6,472.28	6,419.15	142.42	29.86	-63.28	-53.43	788.87	4,072.27	3,999.33	72.94	55.830		
11,800.00	6,906.70	6,450.00	6,397.02	145.20	29.78	-62.24	-52.76	791.38	4,169.27	4,096.42	72.85	57.232		
11,900.00	6,906.96	6,450.00	6,397.02	147.99	29.78	-62.24	-52.76	791.38	4,265.99	4,193.13	72.85	58.555		
12,000.00	6,907.22	6,450.00	6,397.02	150.78	29.78	-62.24	-52.76	791.38	4,362.86	4,289.99	72.86	59.878		
12,100.00	6,907.48	6,450.00	6,397.02	153.57	29.78	-62.24	-52.76	791.38	4,459.86	4,386.99	72.87	61.203		
12,200.00	6,907.74	6,450.00	6,397.02	156.37	29.78	-62.24	-52.76	791.38	4,557.00	4,484.11	72.88	62.527		
12,300.00	6,908.01	6,450.00	6,397.02	159.17	29.78	-62.24	-52.76	791.38	4,654.25	4,581.36	72.89	63.851		
12,400.00	6,908.27	6,450.00	6,397.02	161.97	29.78	-62.24	-52.76	791.38	4,751.62	4,678.72	72.91	65.175		
12,500.00	6,908.53	6,450.00	6,397.02	164.77	29.78	-62.24	-52.76	791.38	4,849.10	4,776.18	72.92	66.499		
12,600.00	6,908.79	6,450.00	6,397.02	167.57	29.78	-62.24	-52.76	791.38	4,946.68	4,873.74	72.94	67.822		
12,700.00	6,909.06	6,450.00	6,397.02	170.38	29.78	-62.24	-52.76	791.38	5,044.35	4,971.39	72.95	69.145		
12,800.00	6,909.32	6,450.00	6,397.02	173.18	29.78	-62.24	-52.76	791.38	5,142.11	5,069.14	72.97	70.467		
12,900.00	6,909.58	6,450.00	6,397.02	175.99	29.78	-62.24	-52.76	791.38	5,239.96	5,166.96	72.99	71.788		
13,000.00	6,909.84	6,450.00	6,397.02	178.80	29.78	-62.24	-52.76	791.38	5,337.88	5,264.87	73.01	73.107		
13,100.00	6,910.10	6,450.00	6,397.02	181.61	29.78	-62.24	-52.76	791.38	5,435.88	5,362.85	73.04	74.426		
13,200.00	6,910.37	6,450.00	6,397.02	184.42	29.78	-62.24	-52.76	791.38	5,533.96	5,460.89	73.06	75.743		
13,300.00	6,910.63	6,450.00	6,397.02	187.24	29.78	-62.24	-52.76	791.38	5,632.10	5,559.01	73.09	77.059		
13,400.00	6,910.89	6,450.00	6,397.02	190.05	29.78	-62.24	-52.76	791.38	5,730.30	5,657.19	73.12	78.373		
13,500.00	6,911.15	6,450.00	6,397.02	192.87	29.78	-62.24	-52.76	791.38	5,828.57	5,755.43	73.14	79.686		
13,600.00	6,911.41	6,450.00	6,397.02	195.68	29.78	-62.24	-52.76	791.38	5,926.89	5,853.72	73.17	80.997		
13,700.00	6,911.68	6,450.00	6,397.02	198.50	29.78	-62.24	-52.76	791.38	6,025.27	5,952.07	73.21	82.306		
13,800.00	6,911.94	6,450.00	6,397.02	201.32	29.78	-62.24	-52.76	791.38	6,123.71	6,050.47	73.24	83.613		
13,900.00	6,912.20	6,450.00	6,397.02	204.14	29.78	-62.24	-52.76	791.38	6,222.19	6,148.91	73.27	84.919		
14,000.00	6,912.46	6,450.00	6,397.02	206.96	29.78	-62.24	-52.76	791.38	6,320.72	6,247.41	73.31	86.222		
14,100.00	6,912.72	6,450.00	6,397.02	209.78	29.78	-62.24	-52.76	791.38	6,419.29	6,345.95	73.34	87.523		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,450.00	6,397.02	212.61	29.78	-62.24	-52.76	791.38	6,517.91	6,444.53	73.38	88.822		
14,300.00	6,913.25	6,450.00	6,397.02	215.43	29.78	-62.24	-52.76	791.38	6,616.57	6,543.15	73.42	90.118		
14,400.00	6,913.51	6,450.00	6,397.02	218.26	29.78	-62.24	-52.76	791.38	6,715.27	6,641.81	73.46	91.413		
14,500.00	6,913.77	6,450.00	6,397.02	221.08	29.78	-62.24	-52.76	791.38	6,814.01	6,740.51	73.50	92.705		
14,600.00	6,914.04	6,450.00	6,397.02	223.91	29.78	-62.24	-52.76	791.38	6,912.78	6,839.24	73.54	93.994		
14,700.00	6,914.30	6,450.00	6,397.02	226.73	29.78	-62.24	-52.76	791.38	7,011.59	6,938.00	73.59	95.281		
14,800.00	6,914.56	6,450.00	6,397.02	229.56	29.78	-62.24	-52.76	791.38	7,110.43	7,036.80	73.63	96.565		
14,900.00	6,914.82	6,450.00	6,397.02	232.39	29.78	-62.24	-52.76	791.38	7,209.31	7,135.63	73.68	97.847		
15,000.00	6,915.08	6,450.00	6,397.02	235.22	29.78	-62.24	-52.76	791.38	7,308.21	7,234.48	73.73	99.126		
15,100.00	6,915.35	6,450.00	6,397.02	238.05	29.78	-62.24	-52.76	791.38	7,407.14	7,333.37	73.77	100.402		
15,200.00	6,915.61	6,450.00	6,397.02	240.88	29.78	-62.24	-52.76	791.38	7,506.11	7,432.28	73.82	101.676		
15,300.00	6,915.87	6,450.00	6,397.02	243.71	29.78	-62.24	-52.76	791.38	7,605.10	7,531.22	73.87	102.947		
15,400.00	6,916.13	6,450.00	6,397.02	246.54	29.78	-62.24	-52.76	791.38	7,704.11	7,630.19	73.93	104.215		
15,500.00	6,916.39	6,450.00	6,397.02	249.37	29.78	-62.24	-52.76	791.38	7,803.15	7,729.17	73.98	105.480		
15,600.00	6,916.66	6,450.00	6,397.02	252.20	29.78	-62.24	-52.76	791.38	7,902.22	7,828.18	74.03	106.742		
15,700.00	6,916.92	6,450.00	6,397.02	255.03	29.78	-62.24	-52.76	791.38	8,001.30	7,927.22	74.09	108.001		
15,800.00	6,917.18	6,450.00	6,397.02	257.87	29.78	-62.24	-52.76	791.38	8,100.41	8,026.27	74.14	109.256		
15,900.00	6,917.44	6,450.00	6,397.02	260.70	29.78	-62.24	-52.76	791.38	8,199.55	8,125.35	74.20	110.509		
16,000.00	6,917.70	6,450.00	6,397.02	263.53	29.78	-62.24	-52.76	791.38	8,298.70	8,224.44	74.26	111.759		
16,100.00	6,917.97	6,450.00	6,397.02	266.37	29.78	-62.24	-52.76	791.38	8,397.87	8,323.56	74.31	113.006		
16,200.00	6,918.23	6,450.00	6,397.02	269.20	29.78	-62.24	-52.76	791.38	8,497.06	8,422.69	74.37	114.249		
16,300.00	6,918.49	6,450.00	6,397.02	272.04	29.78	-62.24	-52.76	791.38	8,596.28	8,521.84	74.43	115.489		
16,400.00	6,918.75	6,450.00	6,397.02	274.87	29.78	-62.24	-52.76	791.38	8,695.50	8,621.01	74.49	116.726		
16,500.00	6,919.02	6,450.00	6,397.02	277.71	29.78	-62.24	-52.76	791.38	8,794.75	8,720.19	74.56	117.960		
16,600.00	6,919.28	6,450.00	6,397.02	280.55	29.78	-62.24	-52.76	791.38	8,894.01	8,819.39	74.62	119.191		
16,700.00	6,919.54	6,450.00	6,397.02	283.38	29.78	-62.24	-52.76	791.38	8,993.29	8,918.61	74.68	120.418		
16,800.00	6,919.80	6,450.00	6,397.02	286.22	29.78	-62.24	-52.76	791.38	9,092.59	9,017.84	74.75	121.641		
16,900.00	6,920.06	6,450.00	6,397.02	289.06	29.78	-62.24	-52.76	791.38	9,191.90	9,117.09	74.81	122.862		
17,000.00	6,920.33	6,450.00	6,397.02	291.90	29.78	-62.24	-52.76	791.38	9,291.23	9,216.34	74.88	124.079		
17,100.00	6,920.59	6,450.00	6,397.02	294.73	29.78	-62.24	-52.76	791.38	9,390.57	9,315.62	74.95	125.292		
17,200.00	6,920.85	6,450.00	6,397.02	297.57	29.78	-62.24	-52.76	791.38	9,489.92	9,414.90	75.02	126.502		
17,300.00	6,921.11	6,450.00	6,397.02	300.41	29.78	-62.24	-52.76	791.38	9,589.29	9,514.20	75.09	127.709		
17,400.00	6,921.37	6,450.00	6,397.02	303.25	29.78	-62.24	-52.76	791.38	9,688.67	9,613.51	75.16	128.912		
17,500.00	6,921.64	6,426.68	6,373.78	306.09	29.69	-61.16	-52.09	793.18	9,787.61	9,712.44	75.17	130.213		
17,600.00	6,921.90	6,426.34	6,373.44	308.93	29.69	-61.15	-52.08	793.20	9,887.00	9,811.76	75.24	131.411		
17,638.91	6,922.00	6,426.21	6,373.30	310.03	29.69	-61.14	-52.08	793.21	9,925.67	9,850.41	75.27	131.876		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.97	194.17	20.32	195.23					
100.00	100.00	100.00	100.00	3.28	3.28	5.97	194.17	20.32	195.23	188.66	6.57	29.718		
200.00	200.00	200.00	200.00	3.34	3.34	5.97	194.17	20.32	195.23	188.55	6.67	29.252 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	169.11	194.17	20.32	196.94	190.06	6.89	28.604		
400.00	399.84	393.33	393.31	3.59	3.59	169.28	195.68	20.22	203.68	196.49	7.20	28.308		
500.00	499.45	485.75	485.62	3.79	3.78	169.41	200.17	19.91	217.01	209.41	7.60	28.539		
600.00	598.70	576.68	576.25	4.04	4.00	169.52	207.49	19.40	236.83	228.75	8.09	29.281		
660.50	658.52	630.74	630.01	4.20	4.14	169.56	213.19	19.00	251.92	243.50	8.41	29.947		
700.00	697.51	665.65	664.66	4.31	4.24	169.61	217.42	18.71	262.74	254.11	8.63	30.451		
800.00	796.22	752.92	751.04	4.63	4.50	169.65	229.81	17.85	292.16	282.97	9.19	31.800		
900.00	894.93	845.60	842.46	4.98	4.79	169.62	244.99	16.80	323.62	313.84	9.78	33.092		
1,000.00	993.64	940.49	936.05	5.34	5.11	169.58	260.61	15.72	355.18	344.78	10.40	34.144		
1,100.00	1,092.35	1,035.38	1,029.64	5.73	5.44	169.56	276.24	14.64	386.74	375.68	11.07	34.951		
1,200.00	1,191.06	1,130.27	1,123.23	6.13	5.79	169.53	291.86	13.56	418.30	406.55	11.76	35.582		
1,300.00	1,289.78	1,225.16	1,216.81	6.54	6.16	169.51	307.48	12.48	449.86	437.39	12.47	36.076		
1,400.00	1,388.49	1,320.05	1,310.40	6.95	6.53	169.49	323.11	11.40	481.42	468.22	13.20	36.461		
1,500.00	1,487.20	1,414.94	1,403.99	7.38	6.92	169.48	338.73	10.31	512.98	499.02	13.95	36.762		
1,600.00	1,585.91	1,509.83	1,497.58	7.81	7.31	169.46	354.36	9.23	544.54	529.82	14.72	36.997		
1,700.00	1,684.62	1,604.72	1,591.17	8.25	7.71	169.45	369.98	8.15	576.10	560.60	15.50	37.179		
1,800.00	1,783.33	1,700.39	1,684.75	8.70	8.11	169.44	385.60	7.07	607.66	591.37	16.29	37.313		
1,900.00	1,882.04	1,805.50	1,778.34	9.15	8.56	169.43	401.23	5.99	639.22	622.09	17.12	37.328		
2,000.00	1,980.75	1,889.39	1,871.93	9.60	8.92	169.42	416.85	4.91	670.78	652.89	17.88	37.513		
2,100.00	2,079.46	1,984.28	1,965.52	10.05	9.34	169.41	432.47	3.82	702.33	683.64	18.69	37.576		
2,200.00	2,178.17	2,079.17	2,059.11	10.51	9.75	169.41	448.10	2.74	733.89	714.39	19.51	37.622		
2,300.00	2,276.88	2,174.05	2,152.69	10.97	10.17	169.40	463.72	1.66	765.45	745.13	20.33	37.655		
2,400.00	2,375.59	2,268.94	2,246.28	11.43	10.59	169.39	479.35	0.58	797.01	775.86	21.15	37.677		
2,500.00	2,474.31	2,363.83	2,339.87	11.89	11.01	169.39	494.97	-0.50	828.57	806.59	21.98	37.691		
2,600.00	2,573.02	2,458.72	2,433.46	12.36	11.44	169.38	510.59	-1.58	860.13	837.32	22.82	37.698		
2,700.00	2,671.73	2,553.61	2,527.05	12.82	11.86	169.38	526.22	-2.67	891.69	868.04	23.65	37.699		
2,800.00	2,770.44	2,648.50	2,620.63	13.29	12.29	169.37	541.84	-3.75	923.25	898.76	24.49	37.696		
2,900.00	2,869.15	2,743.39	2,714.22	13.76	12.72	169.37	557.47	-4.83	954.81	929.48	25.33	37.689		
3,000.00	2,967.86	2,838.28	2,807.81	14.23	13.15	169.37	573.09	-5.91	986.37	960.19	26.18	37.679		
3,100.00	3,066.57	2,933.17	2,901.40	14.70	13.58	169.36	588.71	-6.99	1,017.93	990.90	27.02	37.666		
3,200.00	3,165.28	3,028.06	2,994.99	15.17	14.01	169.36	604.34	-8.07	1,049.49	1,021.61	27.87	37.652		
3,300.00	3,263.99	3,122.95	3,088.57	15.64	14.44	169.35	619.96	-9.15	1,081.05	1,052.32	28.72	37.636		
3,400.00	3,362.70	3,217.84	3,182.16	16.11	14.87	169.35	635.59	-10.24	1,112.61	1,083.03	29.58	37.620		
3,500.00	3,461.41	3,312.73	3,275.75	16.59	15.31	169.35	651.21	-11.32	1,144.17	1,113.74	30.43	37.602		
3,600.00	3,560.12	3,407.62	3,369.34	17.06	15.74	169.35	666.83	-12.40	1,175.73	1,144.44	31.28	37.584		
3,700.00	3,658.84	3,502.51	3,462.93	17.53	16.18	169.34	682.46	-13.48	1,207.29	1,175.15	32.14	37.565		
3,800.00	3,757.55	3,602.60	3,556.52	18.01	16.64	169.34	698.08	-14.56	1,238.84	1,205.83	33.02	37.519		
3,900.00	3,856.26	3,707.71	3,650.10	18.48	17.12	169.34	713.70	-15.64	1,270.40	1,236.48	33.92	37.449		
4,000.00	3,954.97	3,787.17	3,743.69	18.96	17.48	169.34	729.33	-16.73	1,301.96	1,267.25	34.71	37.506		
4,100.00	4,053.68	3,882.06	3,837.28	19.44	17.92	169.33	744.95	-17.81	1,333.52	1,297.95	35.57	37.487		
4,200.00	4,152.39	3,976.95	3,930.87	19.91	18.36	169.33	760.58	-18.89	1,365.08	1,328.65	36.43	37.467		
4,300.00	4,251.10	4,071.84	4,024.46	20.39	18.79	169.33	776.20	-19.97	1,396.64	1,359.35	37.30	37.448		
4,400.00	4,349.81	4,166.73	4,118.04	20.87	19.23	169.33	791.82	-21.05	1,428.20	1,390.04	38.16	37.428		
4,500.00	4,448.52	4,261.62	4,211.63	21.34	19.67	169.33	807.45	-22.13	1,459.76	1,420.74	39.02	37.409		
4,600.00	4,547.23	4,356.51	4,305.22	21.82	20.11	169.32	823.07	-23.22	1,491.32	1,451.43	39.89	37.390		
4,700.00	4,645.94	4,451.40	4,398.81	22.30	20.55	169.32	838.70	-24.30	1,522.88	1,482.13	40.75	37.371		
4,800.00	4,744.65	4,546.29	4,492.40	22.78	20.99	169.32	854.32	-25.38	1,554.44	1,512.82	41.62	37.353		
4,900.00	4,843.37	4,641.18	4,585.98	23.26	21.43	169.32	869.94	-26.46	1,586.00	1,543.52	42.48	37.334		
5,000.00	4,942.08	4,736.07	4,679.57	23.74	21.86	169.32	885.57	-27.54	1,617.56	1,574.21	43.35	37.316		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,830.96	4,773.16	24.21	22.30	169.32	901.19	-28.62	1,649.12	1,604.90	44.21	37.299		
5,200.00	5,139.50	4,925.85	4,866.75	24.69	22.74	169.31	916.81	-29.70	1,680.68	1,635.60	45.08	37.281		
5,300.00	5,238.21	5,020.74	4,960.34	25.17	23.18	169.31	932.44	-30.79	1,712.24	1,666.29	45.95	37.264		
5,400.00	5,336.92	5,115.63	5,053.92	25.65	23.62	169.31	948.06	-31.87	1,743.80	1,696.98	46.82	37.247		
5,500.00	5,435.63	5,210.52	5,147.51	26.13	24.06	169.31	963.69	-32.95	1,775.36	1,727.67	47.69	37.230		
5,600.00	5,534.34	5,305.41	5,241.10	26.61	24.51	169.31	979.31	-34.03	1,806.92	1,758.36	48.55	37.214		
5,700.00	5,633.05	5,400.29	5,334.69	27.09	24.95	169.31	994.93	-35.11	1,838.47	1,789.05	49.42	37.198		
5,800.00	5,731.76	5,504.82	5,428.28	27.57	25.43	169.31	1,010.56	-36.19	1,870.03	1,819.70	50.34	37.150		
5,900.00	5,830.47	5,590.07	5,521.86	28.05	25.83	169.31	1,026.18	-37.28	1,901.59	1,850.43	51.16	37.167		
6,000.00	5,929.18	5,684.96	5,615.45	28.53	26.27	169.31	1,041.81	-38.36	1,933.15	1,881.12	52.03	37.151		
6,100.00	6,027.90	5,779.85	5,709.04	29.01	26.71	169.30	1,057.43	-39.44	1,964.71	1,911.81	52.91	37.136		
6,200.00	6,126.61	5,874.74	5,802.63	29.49	27.15	169.30	1,073.05	-40.52	1,996.27	1,942.50	53.78	37.122		
6,300.00	6,225.32	5,969.63	5,896.22	29.97	27.59	169.30	1,088.68	-41.60	2,027.83	1,973.18	54.65	37.107		
6,311.21	6,236.38	5,980.27	5,906.71	30.03	27.64	169.30	1,090.43	-41.72	2,031.37	1,976.62	54.75	37.106		
6,350.00	6,274.70	6,017.09	5,943.03	30.21	27.81	-167.59	1,096.49	-42.14	2,043.48	1,988.40	55.08	37.099		
6,400.00	6,324.03	6,064.45	5,989.74	30.43	28.03	-140.68	1,104.29	-42.68	2,058.68	2,003.17	55.51	37.088		
6,450.00	6,373.00	6,111.43	6,036.07	30.65	28.25	-122.68	1,112.02	-43.22	2,073.35	2,017.42	55.92	37.075		
6,500.00	6,421.31	6,157.73	6,081.73	30.84	28.47	-111.52	1,119.65	-43.75	2,087.44	2,031.11	56.33	37.059		
6,550.00	6,468.66	6,203.06	6,126.44	31.03	28.68	-104.29	1,127.11	-44.26	2,100.94	2,044.22	56.72	37.041		
6,600.00	6,514.76	6,247.15	6,169.93	31.20	28.88	-99.33	1,134.37	-44.77	2,113.85	2,056.75	57.10	37.021		
6,650.00	6,559.32	6,286.30	6,208.54	31.37	29.07	-95.71	1,140.82	-45.07	2,126.19	2,068.76	57.44	37.019		
6,700.00	6,602.08	6,320.28	6,242.04	31.52	29.22	-92.90	1,146.41	-43.83	2,138.10	2,080.37	57.73	37.036		
6,750.00	6,642.77	6,354.94	6,276.08	31.65	29.38	-90.69	1,152.11	-40.70	2,149.57	2,091.53	58.04	37.035		
6,800.00	6,681.13	6,390.40	6,310.67	31.78	29.54	-88.94	1,157.89	-35.56	2,160.56	2,102.19	58.37	37.012		
6,850.00	6,716.93	6,426.78	6,345.82	31.89	29.69	-87.54	1,163.78	-28.26	2,171.03	2,112.29	58.74	36.961		
6,900.00	6,749.95	6,464.26	6,381.53	31.99	29.85	-86.43	1,169.77	-18.63	2,180.94	2,121.80	59.14	36.877		
6,950.00	6,779.98	6,503.01	6,417.81	32.08	30.00	-85.55	1,175.85	-6.45	2,190.26	2,130.67	59.59	36.755		
7,000.00	6,806.85	6,543.26	6,454.64	32.16	30.16	-84.90	1,182.04	8.55	2,198.96	2,138.87	60.09	36.592		
7,050.00	6,830.38	6,585.28	6,492.01	32.24	30.31	-84.44	1,188.32	26.69	2,207.00	2,146.34	60.66	36.384		
7,100.00	6,850.43	6,629.39	6,529.87	32.35	30.46	-84.17	1,194.69	48.38	2,214.36	2,153.07	61.29	36.129		
7,150.00	6,866.88	6,675.97	6,568.15	32.59	30.61	-84.08	1,201.15	74.11	2,220.99	2,159.00	61.99	35.827		
7,200.00	6,879.62	6,725.49	6,606.69	32.99	30.76	-84.16	1,207.66	104.49	2,226.87	2,164.10	62.77	35.477		
7,250.00	6,888.58	6,778.51	6,645.24	33.48	30.90	-84.42	1,214.18	140.29	2,231.94	2,168.32	63.63	35.080		
7,300.00	6,893.70	6,835.72	6,683.37	34.02	31.04	-84.86	1,220.65	182.41	2,236.17	2,171.61	64.56	34.635		
7,339.40	6,895.01	6,884.27	6,712.71	34.48	31.14	-85.33	1,225.63	220.76	2,238.87	2,173.50	65.37	34.250		
7,400.00	6,895.16	6,968.37	6,756.40	35.24	31.69	-86.46	1,233.10	292.16	2,242.46	2,175.69	66.77	33.585		
7,500.00	6,895.43	7,135.96	6,814.08	36.64	33.13	-87.93	1,243.11	448.67	2,246.98	2,177.29	69.69	32.243		
7,600.00	6,895.69	7,300.50	6,830.29	38.20	34.98	-88.33	1,246.20	611.99	2,248.29	2,175.18	73.10	30.756		
7,700.00	6,895.95	7,400.50	6,831.32	39.91	36.33	-88.35	1,246.61	711.98	2,248.54	2,172.40	76.14	29.531		
7,800.00	6,896.21	7,500.50	6,832.35	41.75	37.84	-88.37	1,247.03	811.97	2,248.80	2,169.32	79.48	28.295		
7,900.00	6,896.47	7,600.49	6,833.38	43.69	39.50	-88.39	1,247.44	911.96	2,249.06	2,165.98	83.07	27.073		
8,000.00	6,896.74	7,700.49	6,834.41	45.73	41.28	-88.41	1,247.85	1,011.95	2,249.31	2,162.42	86.89	25.886		
8,100.00	6,897.00	7,800.49	6,835.44	47.85	43.18	-88.43	1,248.26	1,111.94	2,249.57	2,158.66	90.91	24.744		
8,200.00	6,897.26	7,900.48	6,836.47	50.04	45.18	-88.45	1,248.67	1,211.93	2,249.83	2,154.72	95.11	23.656		
8,300.00	6,897.52	8,000.48	6,837.50	52.30	47.27	-88.47	1,249.08	1,311.92	2,250.09	2,150.64	99.45	22.625		
8,400.00	6,897.78	8,100.48	6,838.53	54.61	49.44	-88.49	1,249.49	1,411.92	2,250.35	2,146.42	103.93	21.652		
8,500.00	6,898.05	8,200.47	6,839.56	56.98	51.67	-88.51	1,249.91	1,511.91	2,250.61	2,142.08	108.52	20.738		
8,600.00	6,898.31	8,300.47	6,840.60	59.38	53.96	-88.53	1,250.32	1,611.90	2,250.87	2,137.65	113.22	19.880		
8,700.00	6,898.57	8,400.47	6,841.63	61.82	56.30	-88.55	1,250.73	1,711.89	2,251.13	2,133.12	118.01	19.076		
8,800.00	6,898.83	8,500.46	6,842.66	64.30	58.68	-88.57	1,251.14	1,811.88	2,251.39	2,128.52	122.87	18.323		
8,900.00	6,899.10	8,600.46	6,843.69	66.81	61.11	-88.59	1,251.55	1,911.87	2,251.65	2,123.84	127.81	17.618		
9,000.00	6,899.36	8,700.46	6,844.72	69.34	63.57	-88.61	1,251.96	2,011.86	2,251.91	2,119.10	132.80	16.957		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.62	8,800.45	6,845.75	71.90	66.07	-88.63	1,252.37	2,111.85	2,252.17	2,114.31	137.86	16.337		
9,200.00	6,899.88	8,900.45	6,846.78	74.48	68.59	-88.65	1,252.79	2,211.84	2,252.43	2,109.47	142.96	15.756		
9,300.00	6,900.14	9,000.45	6,847.81	77.08	71.13	-88.67	1,253.20	2,311.83	2,252.69	2,104.59	148.10	15.210		
9,400.00	6,900.41	9,100.44	6,848.84	79.70	73.70	-88.69	1,253.61	2,411.82	2,252.95	2,099.66	153.29	14.697		
9,500.00	6,900.67	9,200.44	6,849.87	82.33	76.29	-88.71	1,254.02	2,511.81	2,253.21	2,094.70	158.51	14.215		
9,600.00	6,900.93	9,300.44	6,850.91	84.97	78.90	-88.73	1,254.43	2,611.80	2,253.48	2,089.71	163.77	13.760		
9,700.00	6,901.19	9,400.43	6,851.94	87.63	81.52	-88.75	1,254.84	2,711.79	2,253.74	2,084.68	169.05	13.332		
9,800.00	6,901.45	9,500.43	6,852.97	90.31	84.16	-88.77	1,255.25	2,811.78	2,254.00	2,079.64	174.37	12.927		
9,900.00	6,901.72	9,600.43	6,854.00	92.99	86.81	-88.79	1,255.67	2,911.77	2,254.26	2,074.56	179.70	12.545		
10,000.00	6,901.98	9,700.42	6,855.03	95.68	89.48	-88.81	1,256.08	3,011.76	2,254.53	2,069.47	185.06	12.183		
10,100.00	6,902.24	9,800.42	6,856.06	98.38	92.15	-88.83	1,256.49	3,111.75	2,254.79	2,064.35	190.44	11.840		
10,200.00	6,902.50	9,900.42	6,857.09	101.09	94.84	-88.85	1,256.90	3,211.74	2,255.05	2,059.22	195.84	11.515		
10,300.00	6,902.76	10,000.41	6,858.12	103.81	97.53	-88.87	1,257.31	3,311.73	2,255.32	2,054.07	201.25	11.207		
10,400.00	6,903.03	10,100.41	6,859.15	106.53	100.24	-88.89	1,257.72	3,411.73	2,255.58	2,048.90	206.68	10.913		
10,500.00	6,903.29	10,200.41	6,860.18	109.26	102.95	-88.91	1,258.13	3,511.72	2,255.85	2,043.72	212.13	10.634		
10,600.00	6,903.55	10,300.40	6,861.22	112.00	105.67	-88.93	1,258.54	3,611.71	2,256.11	2,038.53	217.58	10.369		
10,700.00	6,903.81	10,400.40	6,862.25	114.75	108.40	-88.94	1,258.96	3,711.70	2,256.38	2,033.32	223.06	10.116		
10,800.00	6,904.08	10,500.40	6,863.28	117.49	111.13	-88.96	1,259.37	3,811.69	2,256.64	2,028.10	228.54	9.874		
10,900.00	6,904.34	10,600.39	6,864.31	120.25	113.87	-88.98	1,259.78	3,911.68	2,256.91	2,022.87	234.03	9.644		
11,000.00	6,904.60	10,700.39	6,865.34	123.00	116.61	-89.00	1,260.19	4,011.67	2,257.17	2,017.64	239.54	9.423		
11,100.00	6,904.86	10,800.39	6,866.37	125.77	119.36	-89.02	1,260.60	4,111.66	2,257.44	2,012.39	245.05	9.212		
11,200.00	6,905.12	10,900.38	6,867.40	128.53	122.12	-89.04	1,261.01	4,211.65	2,257.70	2,007.13	250.57	9.010		
11,300.00	6,905.39	11,000.38	6,868.43	131.30	124.88	-89.06	1,261.42	4,311.64	2,257.97	2,001.87	256.10	8.817		
11,400.00	6,905.65	11,100.38	6,869.46	134.08	127.64	-89.08	1,261.84	4,411.63	2,258.24	1,996.60	261.64	8.631		
11,500.00	6,905.91	11,200.37	6,870.49	136.85	130.41	-89.10	1,262.25	4,511.62	2,258.51	1,991.32	267.19	8.453		
11,600.00	6,906.17	11,300.37	6,871.53	139.63	133.18	-89.12	1,262.66	4,611.61	2,258.77	1,986.03	272.74	8.282		
11,700.00	6,906.43	11,400.37	6,872.56	142.42	135.95	-89.14	1,263.07	4,711.60	2,259.04	1,980.74	278.30	8.117		
11,800.00	6,906.70	11,500.36	6,873.59	145.20	138.73	-89.16	1,263.48	4,811.59	2,259.31	1,975.45	283.86	7.959		
11,900.00	6,906.96	11,600.36	6,874.62	147.99	141.51	-89.18	1,263.89	4,911.58	2,259.58	1,970.15	289.43	7.807		
12,000.00	6,907.22	11,700.36	6,875.65	150.78	144.29	-89.20	1,264.30	5,011.57	2,259.84	1,964.84	295.01	7.660		
12,100.00	6,907.48	11,800.35	6,876.68	153.57	147.08	-89.22	1,264.72	5,111.56	2,260.11	1,959.53	300.59	7.519		
12,200.00	6,907.74	11,900.35	6,877.71	156.37	149.86	-89.24	1,265.13	5,211.55	2,260.38	1,954.21	306.17	7.383		
12,300.00	6,908.01	12,000.35	6,878.74	159.17	152.66	-89.26	1,265.54	5,311.54	2,260.65	1,948.89	311.76	7.251		
12,400.00	6,908.27	12,100.34	6,879.77	161.97	155.45	-89.28	1,265.95	5,411.53	2,260.92	1,943.57	317.35	7.124		
12,500.00	6,908.53	12,200.34	6,880.81	164.77	158.24	-89.30	1,266.36	5,511.53	2,261.19	1,938.24	322.95	7.002		
12,600.00	6,908.79	12,300.34	6,881.84	167.57	161.04	-89.32	1,266.77	5,611.52	2,261.46	1,932.91	328.55	6.883		
12,700.00	6,909.06	12,400.33	6,882.87	170.38	163.84	-89.34	1,267.18	5,711.51	2,261.73	1,927.57	334.16	6.768		
12,800.00	6,909.32	12,500.33	6,883.90	173.18	166.64	-89.36	1,267.60	5,811.50	2,262.00	1,922.23	339.77	6.658		
12,900.00	6,909.58	12,600.33	6,884.93	175.99	169.44	-89.38	1,268.01	5,911.49	2,262.27	1,916.89	345.38	6.550		
13,000.00	6,909.84	12,700.32	6,885.96	178.80	172.25	-89.40	1,268.42	6,011.48	2,262.54	1,911.55	350.99	6.446		
13,100.00	6,910.10	12,800.32	6,886.99	181.61	175.05	-89.42	1,268.83	6,111.47	2,262.81	1,906.20	356.61	6.345		
13,200.00	6,910.37	12,900.32	6,888.02	184.42	177.86	-89.43	1,269.24	6,211.46	2,263.09	1,900.85	362.23	6.248		
13,300.00	6,910.63	13,000.31	6,889.05	187.24	180.67	-89.45	1,269.65	6,311.45	2,263.36	1,895.50	367.86	6.153		
13,400.00	6,910.89	13,100.31	6,890.08	190.05	183.48	-89.47	1,270.06	6,411.44	2,263.63	1,890.15	373.48	6.061		
13,500.00	6,911.15	13,200.31	6,891.12	192.87	186.29	-89.49	1,270.47	6,511.43	2,263.90	1,884.79	379.11	5.972		
13,600.00	6,911.41	13,300.30	6,892.15	195.68	189.10	-89.51	1,270.89	6,611.42	2,264.18	1,879.43	384.74	5.885		
13,700.00	6,911.68	13,400.30	6,893.18	198.50	191.92	-89.53	1,271.30	6,711.41	2,264.45	1,874.07	390.38	5.801		
13,800.00	6,911.94	13,500.29	6,894.21	201.32	194.73	-89.55	1,271.71	6,811.40	2,264.72	1,868.71	396.01	5.719		
13,900.00	6,912.20	13,600.29	6,895.24	204.14	197.55	-89.57	1,272.12	6,911.39	2,264.99	1,863.35	401.65	5.639		
14,000.00	6,912.46	13,700.29	6,896.27	206.96	200.37	-89.59	1,272.53	7,011.38	2,265.27	1,857.98	407.29	5.562		
14,100.00	6,912.72	13,800.28	6,897.30	209.78	203.19	-89.61	1,272.94	7,111.37	2,265.54	1,852.61	412.93	5.487		
14,200.00	6,912.99	13,900.28	6,898.33	212.61	206.01	-89.63	1,273.35	7,211.36	2,265.82	1,847.25	418.57	5.413		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,913.25	14,000.28	6,899.36	215.43	208.83	-89.65	1,273.77	7,311.35	2,266.09	1,841.88	424.22	5.342		
14,400.00	6,913.51	14,100.27	6,900.39	218.26	211.65	-89.67	1,274.18	7,411.34	2,266.37	1,836.50	429.86	5.272		
14,500.00	6,913.77	14,200.27	6,901.43	221.08	214.47	-89.69	1,274.59	7,511.34	2,266.64	1,831.13	435.51	5.205		
14,600.00	6,914.04	14,300.27	6,902.46	223.91	217.29	-89.71	1,275.00	7,611.33	2,266.92	1,825.76	441.16	5.139		
14,700.00	6,914.30	14,400.26	6,903.49	226.73	220.12	-89.73	1,275.41	7,711.32	2,267.19	1,820.38	446.81	5.074		
14,800.00	6,914.56	14,500.26	6,904.52	229.56	222.94	-89.75	1,275.82	7,811.31	2,267.47	1,815.01	452.46	5.011		
14,900.00	6,914.82	14,600.26	6,905.55	232.39	225.76	-89.77	1,276.23	7,911.30	2,267.74	1,809.63	458.12	4.950		
15,000.00	6,915.08	14,700.25	6,906.58	235.22	228.59	-89.79	1,276.65	8,011.29	2,268.02	1,804.25	463.77	4.890		
15,100.00	6,915.35	14,800.25	6,907.61	238.05	231.42	-89.81	1,277.06	8,111.28	2,268.30	1,798.87	469.43	4.832		
15,200.00	6,915.61	14,900.25	6,908.64	240.88	234.24	-89.82	1,277.47	8,211.27	2,268.57	1,793.49	475.08	4.775		
15,300.00	6,915.87	15,000.24	6,909.67	243.71	237.07	-89.84	1,277.88	8,311.26	2,268.85	1,788.11	480.74	4.719		
15,400.00	6,916.13	15,100.24	6,910.70	246.54	239.90	-89.86	1,278.29	8,411.25	2,269.13	1,782.73	486.40	4.665		
15,500.00	6,916.39	15,200.24	6,911.74	249.37	242.73	-89.88	1,278.70	8,511.24	2,269.41	1,777.34	492.06	4.612		
15,600.00	6,916.66	15,300.23	6,912.77	252.20	245.56	-89.90	1,279.11	8,611.23	2,269.68	1,771.96	497.72	4.560		
15,700.00	6,916.92	15,400.23	6,913.80	255.03	248.39	-89.92	1,279.53	8,711.22	2,269.96	1,766.57	503.39	4.509		
15,800.00	6,917.18	15,500.23	6,914.83	257.87	251.22	-89.94	1,279.94	8,811.21	2,270.24	1,761.19	509.05	4.460		
15,900.00	6,917.44	15,600.22	6,915.86	260.70	254.05	-89.96	1,280.35	8,911.20	2,270.52	1,755.80	514.71	4.411		
16,000.00	6,917.70	15,700.22	6,916.89	263.53	256.88	-89.98	1,280.76	9,011.19	2,270.80	1,750.42	520.38	4.364		
16,100.00	6,917.97	15,800.22	6,917.92	266.37	259.71	-90.00	1,281.17	9,111.18	2,271.08	1,745.03	526.05	4.317		
16,200.00	6,918.23	15,900.21	6,918.95	269.20	262.55	-90.02	1,281.58	9,211.17	2,271.36	1,739.64	531.71	4.272		
16,300.00	6,918.49	16,000.21	6,919.98	272.04	265.38	-90.04	1,281.99	9,311.16	2,271.64	1,734.25	537.38	4.227		
16,400.00	6,918.75	16,100.21	6,921.02	274.87	268.21	-90.06	1,282.40	9,411.15	2,271.92	1,728.87	543.05	4.184		
16,500.00	6,919.02	16,200.20	6,922.05	277.71	271.05	-90.08	1,282.82	9,511.15	2,272.20	1,723.48	548.72	4.141		
16,600.00	6,919.28	16,300.20	6,923.08	280.55	273.88	-90.10	1,283.23	9,611.14	2,272.48	1,718.09	554.39	4.099		
16,700.00	6,919.54	16,400.20	6,924.11	283.38	276.72	-90.12	1,283.64	9,711.13	2,272.76	1,712.70	560.06	4.058		
16,800.00	6,919.80	16,500.19	6,925.14	286.22	279.55	-90.13	1,284.05	9,811.12	2,273.04	1,707.31	565.73	4.018		
16,900.00	6,920.06	16,600.19	6,926.17	289.06	282.39	-90.15	1,284.46	9,911.11	2,273.32	1,701.92	571.40	3.978		
17,000.00	6,920.33	16,700.19	6,927.20	291.90	285.22	-90.17	1,284.87	10,011.10	2,273.60	1,696.53	577.08	3.940		
17,100.00	6,920.59	16,800.18	6,928.23	294.73	288.06	-90.19	1,285.28	10,111.09	2,273.88	1,691.13	582.75	3.902		
17,200.00	6,920.85	16,900.18	6,929.26	297.57	290.90	-90.21	1,285.70	10,211.08	2,274.17	1,685.74	588.42	3.865		
17,300.00	6,921.11	17,000.18	6,930.29	300.41	293.73	-90.23	1,286.11	10,311.07	2,274.45	1,680.35	594.10	3.828		
17,400.00	6,921.37	17,100.17	6,931.33	303.25	296.57	-90.25	1,286.52	10,411.06	2,274.73	1,674.96	599.77	3.793		
17,500.00	6,921.64	17,200.17	6,932.36	306.09	299.41	-90.27	1,286.93	10,511.05	2,275.01	1,669.57	605.45	3.758		
17,600.00	6,921.90	17,300.17	6,933.39	308.93	302.24	-90.29	1,287.34	10,611.04	2,275.30	1,664.17	611.12	3.723		
17,638.91	6,922.00	17,339.07	6,933.79	310.03	303.35	-90.30	1,287.50	10,649.94	2,275.41	1,662.07	613.33	3.710 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.63	209.11	20.60	210.12					
100.00	100.00	100.00	100.00	3.28	3.28	5.63	209.11	20.60	210.12	203.55	6.57	31.985		
200.00	200.00	200.00	200.00	3.34	3.34	5.63	209.11	20.60	210.12	203.45	6.67	31.483 CC, ES		
300.00	299.98	293.14	293.12	3.44	3.44	168.69	210.62	20.52	213.44	206.55	6.89	30.992		
400.00	399.84	385.67	385.54	3.59	3.58	168.72	215.12	20.30	223.37	216.16	7.21	30.978		
500.00	499.45	477.00	476.57	3.79	3.77	168.77	222.47	19.92	239.84	232.21	7.63	31.445		
600.00	598.70	566.58	565.58	4.04	3.98	168.81	232.50	19.41	262.72	254.61	8.11	32.379		
660.50	658.52	619.70	618.20	4.20	4.12	168.84	239.76	19.05	279.62	271.18	8.44	33.142		
700.00	697.51	653.96	652.07	4.31	4.22	168.89	244.96	18.78	291.61	282.96	8.65	33.703		
800.00	796.22	746.16	743.00	4.63	4.49	168.97	260.20	18.01	323.25	314.05	9.20	35.122		
900.00	894.93	840.98	836.49	4.98	4.79	169.04	275.99	17.21	355.02	345.24	9.78	36.284		
1,000.00	993.64	935.80	929.98	5.34	5.11	169.10	291.78	16.41	386.79	376.38	10.42	37.135		
1,100.00	1,092.35	1,030.62	1,023.47	5.73	5.45	169.15	307.57	15.61	418.57	407.49	11.08	37.778		
1,200.00	1,191.06	1,125.44	1,116.96	6.13	5.81	169.19	323.37	14.81	450.34	438.57	11.77	38.258		
1,300.00	1,289.78	1,220.25	1,210.45	6.54	6.18	169.22	339.16	14.01	482.11	469.63	12.49	38.612		
1,400.00	1,388.49	1,315.07	1,303.94	6.95	6.55	169.25	354.95	13.21	513.88	500.66	13.22	38.870		
1,500.00	1,487.20	1,409.89	1,397.43	7.38	6.94	169.28	370.74	12.41	545.66	531.69	13.97	39.055		
1,600.00	1,585.91	1,504.71	1,490.92	7.81	7.33	169.31	386.53	11.61	577.43	562.69	14.74	39.184		
1,700.00	1,684.62	1,600.47	1,584.41	8.25	7.74	169.33	402.33	10.81	609.20	593.69	15.52	39.259		
1,800.00	1,783.33	1,694.34	1,677.90	8.70	8.14	169.35	418.12	10.01	640.98	624.68	16.30	39.322		
1,900.00	1,882.04	1,789.16	1,771.39	9.15	8.54	169.37	433.91	9.21	672.75	655.65	17.10	39.350		
2,000.00	1,980.75	1,883.98	1,864.88	9.60	8.96	169.38	449.70	8.41	704.52	686.62	17.90	39.359		
2,100.00	2,079.46	1,978.80	1,958.37	10.05	9.37	169.40	465.50	7.61	736.30	717.58	18.71	39.353		
2,200.00	2,178.17	2,073.62	2,051.86	10.51	9.79	169.41	481.29	6.81	768.07	748.54	19.53	39.335		
2,300.00	2,276.88	2,168.43	2,145.35	10.97	10.21	169.43	497.08	6.01	799.84	779.49	20.35	39.309		
2,400.00	2,375.59	2,263.25	2,238.84	11.43	10.63	169.44	512.87	5.21	831.61	810.44	21.17	39.277		
2,500.00	2,474.31	2,358.07	2,332.33	11.89	11.05	169.45	528.67	4.41	863.39	841.39	22.00	39.240		
2,600.00	2,573.02	2,452.89	2,425.82	12.36	11.48	169.46	544.46	3.61	895.16	872.33	22.84	39.200		
2,700.00	2,671.73	2,547.70	2,519.31	12.82	11.90	169.47	560.25	2.81	926.93	903.26	23.67	39.157		
2,800.00	2,770.44	2,642.52	2,612.80	13.29	12.33	169.48	576.04	2.01	958.71	934.20	24.51	39.113		
2,900.00	2,869.15	2,737.34	2,706.29	13.76	12.76	169.49	591.84	1.21	990.48	965.13	25.35	39.067		
3,000.00	2,967.86	2,832.16	2,799.78	14.23	13.19	169.49	607.63	0.41	1,022.26	996.06	26.20	39.021		
3,100.00	3,066.57	2,926.98	2,893.27	14.70	13.62	169.50	623.42	-0.39	1,054.03	1,026.98	27.04	38.975		
3,200.00	3,165.28	3,021.79	2,986.76	15.17	14.05	169.51	639.21	-1.19	1,085.80	1,057.91	27.89	38.929		
3,300.00	3,263.99	3,116.61	3,080.25	15.64	14.48	169.51	655.01	-1.99	1,117.58	1,088.83	28.74	38.883		
3,400.00	3,362.70	3,211.43	3,173.74	16.11	14.92	169.52	670.80	-2.79	1,149.35	1,119.76	29.59	38.838		
3,500.00	3,461.41	3,306.25	3,267.23	16.59	15.35	169.53	686.59	-3.59	1,181.12	1,150.68	30.45	38.793		
3,600.00	3,560.12	3,401.07	3,360.72	17.06	15.79	169.53	702.38	-4.39	1,212.90	1,181.60	31.30	38.749		
3,700.00	3,658.84	3,504.12	3,454.21	17.53	16.26	169.54	718.18	-5.19	1,244.67	1,212.48	32.19	38.662		
3,800.00	3,757.55	3,590.70	3,547.70	18.01	16.66	169.54	733.97	-5.99	1,276.44	1,243.43	33.01	38.664		
3,900.00	3,856.26	3,685.52	3,641.19	18.48	17.09	169.55	749.76	-6.79	1,308.22	1,274.35	33.87	38.623		
4,000.00	3,954.97	3,780.34	3,734.68	18.96	17.53	169.55	765.55	-7.59	1,339.99	1,305.26	34.73	38.583		
4,100.00	4,053.68	3,875.16	3,828.17	19.44	17.97	169.55	781.35	-8.39	1,371.76	1,336.17	35.59	38.543		
4,200.00	4,152.39	3,969.97	3,921.66	19.91	18.40	169.56	797.14	-9.19	1,403.54	1,367.09	36.45	38.505		
4,300.00	4,251.10	4,064.79	4,015.15	20.39	18.84	169.56	812.93	-9.99	1,435.31	1,398.00	37.31	38.467		
4,400.00	4,349.81	4,159.61	4,108.64	20.87	19.28	169.57	828.72	-10.79	1,467.08	1,428.91	38.17	38.431		
4,500.00	4,448.52	4,254.43	4,202.13	21.34	19.72	169.57	844.51	-11.59	1,498.86	1,459.82	39.04	38.395		
4,600.00	4,547.23	4,349.24	4,295.62	21.82	20.16	169.57	860.31	-12.39	1,530.63	1,490.73	39.90	38.360		
4,700.00	4,645.94	4,444.06	4,389.11	22.30	20.60	169.58	876.10	-13.19	1,562.41	1,521.64	40.77	38.326		
4,800.00	4,744.65	4,538.88	4,482.60	22.78	21.04	169.58	891.89	-13.99	1,594.18	1,552.55	41.63	38.293		
4,900.00	4,843.37	4,633.70	4,576.09	23.26	21.48	169.58	907.68	-14.79	1,625.95	1,583.46	42.50	38.261		
5,000.00	4,942.08	4,728.52	4,669.58	23.74	21.92	169.59	923.48	-15.59	1,657.73	1,614.36	43.36	38.230		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,823.33	4,763.07	24.21	22.36	169.59	939.27	-16.39	1,689.50	1,645.27	44.23	38.199		
5,200.00	5,139.50	4,918.15	4,856.56	24.69	22.80	169.59	955.06	-17.19	1,721.27	1,676.18	45.10	38.169		
5,300.00	5,238.21	5,012.97	4,950.05	25.17	23.24	169.59	970.85	-17.99	1,753.05	1,707.08	45.96	38.140		
5,400.00	5,336.92	5,107.79	5,043.54	25.65	23.68	169.60	986.65	-18.79	1,784.82	1,737.99	46.83	38.112		
5,500.00	5,435.63	5,202.61	5,137.03	26.13	24.12	169.60	1,002.44	-19.59	1,816.59	1,768.89	47.70	38.084		
5,600.00	5,534.34	5,297.42	5,230.52	26.61	24.56	169.60	1,018.23	-20.39	1,848.37	1,799.80	48.57	38.057		
5,700.00	5,633.05	5,407.76	5,324.01	27.09	25.07	169.60	1,034.02	-21.19	1,880.14	1,830.63	49.51	37.976		
5,800.00	5,731.76	5,487.06	5,417.50	27.57	25.44	169.61	1,049.82	-21.99	1,911.91	1,861.61	50.31	38.005		
5,900.00	5,830.47	5,581.88	5,510.99	28.05	25.88	169.61	1,065.61	-22.79	1,943.69	1,892.51	51.18	37.980		
6,000.00	5,929.18	5,676.70	5,604.48	28.53	26.32	169.61	1,081.40	-23.59	1,975.46	1,923.42	52.05	37.956		
6,100.00	6,027.90	5,771.51	5,697.97	29.01	26.76	169.61	1,097.19	-24.39	2,007.24	1,954.32	52.92	37.932		
6,200.00	6,126.61	5,866.33	5,791.46	29.49	27.21	169.61	1,112.99	-25.19	2,039.01	1,985.22	53.79	37.908		
6,300.00	6,225.32	5,961.15	5,884.95	29.97	27.65	169.61	1,128.78	-25.99	2,070.78	2,016.12	54.66	37.885		
6,311.21	6,236.38	5,971.78	5,895.43	30.03	27.70	169.62	1,130.55	-26.08	2,074.34	2,019.59	54.76	37.883		
6,350.00	6,274.70	6,008.58	5,931.71	30.21	27.87	-167.27	1,136.68	-26.39	2,086.54	2,031.44	55.09	37.873		
6,400.00	6,324.03	6,055.92	5,978.39	30.43	28.09	-140.34	1,144.56	-26.79	2,101.81	2,046.30	55.52	37.857		
6,450.00	6,373.00	6,102.88	6,024.70	30.65	28.31	-122.34	1,152.38	-27.19	2,116.54	2,060.61	55.94	37.839		
6,500.00	6,421.31	6,149.18	6,070.35	30.84	28.52	-111.16	1,160.10	-27.58	2,130.67	2,074.33	56.34	37.819		
6,550.00	6,468.66	6,205.47	6,115.06	31.03	28.79	-103.92	1,167.65	-27.96	2,144.18	2,087.40	56.78	37.762		
6,600.00	6,514.76	6,238.65	6,158.56	31.20	28.94	-98.96	1,175.00	-28.33	2,157.07	2,099.96	57.11	37.770		
6,650.00	6,559.32	6,281.27	6,200.58	31.37	29.14	-95.38	1,182.10	-28.69	2,169.35	2,111.87	57.48	37.741		
6,700.00	6,602.08	6,322.12	6,240.86	31.52	29.33	-92.72	1,188.90	-29.04	2,181.06	2,123.22	57.84	37.710		
6,750.00	6,642.77	6,360.95	6,279.15	31.65	29.51	-90.68	1,195.37	-29.36	2,192.23	2,134.04	58.19	37.673		
6,800.00	6,681.13	6,397.52	6,315.21	31.78	29.68	-89.08	1,201.46	-29.67	2,202.93	2,144.39	58.54	37.630		
6,850.00	6,716.93	6,428.78	6,346.03	31.89	29.83	-87.73	1,206.67	-29.52	2,213.22	2,154.35	58.87	37.596		
6,900.00	6,749.95	6,459.47	6,376.24	31.99	29.97	-86.62	1,211.79	-27.92	2,223.17	2,163.95	59.22	37.540		
6,950.00	6,779.98	6,490.94	6,407.10	32.08	30.11	-85.74	1,217.05	-24.76	2,232.75	2,173.13	59.62	37.450		
7,000.00	6,806.85	6,523.38	6,438.72	32.16	30.25	-85.05	1,222.45	-19.88	2,241.95	2,181.88	60.07	37.322		
7,050.00	6,830.38	6,557.03	6,471.19	32.24	30.40	-84.53	1,228.02	-13.10	2,250.76	2,190.18	60.58	37.152		
7,100.00	6,850.43	6,592.18	6,504.69	32.35	30.55	-84.18	1,233.78	-4.17	2,259.16	2,198.00	61.16	36.940		
7,150.00	6,866.88	6,629.23	6,539.42	32.59	30.70	-83.98	1,239.79	7.26	2,267.14	2,205.34	61.80	36.684		
7,200.00	6,879.62	6,668.74	6,575.66	32.99	30.85	-83.95	1,246.08	21.69	2,274.68	2,212.17	62.52	36.386		
7,250.00	6,888.58	6,711.46	6,613.76	33.48	31.01	-84.08	1,252.73	39.81	2,281.77	2,218.48	63.30	36.048		
7,300.00	6,893.70	6,758.49	6,654.20	34.02	31.17	-84.40	1,259.84	62.72	2,288.38	2,224.24	64.15	35.674		
7,339.40	6,895.01	6,799.63	6,688.12	34.48	31.31	-84.80	1,265.83	85.19	2,293.23	2,228.37	64.86	35.356		
7,400.00	6,895.16	6,877.47	6,748.08	35.24	31.54	-86.32	1,276.53	133.59	2,300.62	2,234.53	66.09	34.811		
7,500.00	6,895.43	7,072.83	6,869.13	36.64	32.17	-89.36	1,298.76	284.32	2,312.26	2,243.54	68.71	33.651		
7,600.00	6,895.69	7,600.00	6,950.75	38.20	37.38	-91.37	1,315.48	534.42	2,318.85	2,243.42	75.43	30.743		
7,700.00	6,895.95	7,507.02	6,955.92	39.91	36.59	-91.48	1,318.16	688.75	2,320.14	2,243.77	76.37	30.380		
7,800.00	6,896.21	7,607.03	6,956.95	41.75	38.04	-91.50	1,319.51	788.72	2,321.37	2,241.73	79.64	29.149		
7,900.00	6,896.47	7,707.04	6,957.98	43.69	39.64	-91.52	1,320.85	888.70	2,322.60	2,239.43	83.17	27.926		
8,000.00	6,896.74	7,792.95	6,959.01	45.73	41.13	-91.54	1,322.20	988.67	2,323.84	2,237.16	86.68	26.809		
8,100.00	6,897.00	7,907.06	6,960.05	47.85	43.23	-91.56	1,323.54	1,088.65	2,325.07	2,234.17	90.90	25.579		
8,200.00	6,897.26	8,007.07	6,961.08	50.04	45.18	-91.57	1,324.89	1,188.63	2,326.30	2,231.26	95.04	24.477		
8,300.00	6,897.52	8,107.08	6,962.11	52.30	47.23	-91.59	1,326.23	1,288.60	2,327.54	2,228.20	99.34	23.430		
8,400.00	6,897.78	8,192.91	6,963.14	54.61	49.05	-91.61	1,327.58	1,388.58	2,328.77	2,225.30	103.47	22.507		
8,500.00	6,898.05	8,307.10	6,964.17	56.98	51.55	-91.63	1,328.92	1,488.55	2,330.01	2,221.67	108.33	21.508		
8,600.00	6,898.31	8,407.11	6,965.20	59.38	53.81	-91.65	1,330.27	1,588.53	2,331.24	2,218.25	112.99	20.632		
8,700.00	6,898.57	8,507.12	6,966.23	61.82	56.12	-91.66	1,331.61	1,688.50	2,332.47	2,214.73	117.74	19.810		
8,800.00	6,898.83	8,607.13	6,967.26	64.30	58.47	-91.68	1,332.96	1,788.48	2,333.71	2,211.13	122.58	19.039		
8,900.00	6,899.10	8,707.14	6,968.29	66.81	60.88	-91.70	1,334.30	1,888.45	2,334.94	2,207.46	127.48	18.316		
9,000.00	6,899.36	8,807.15	6,969.32	69.34	63.31	-91.72	1,335.65	1,988.43	2,336.18	2,203.73	132.45	17.638		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.62	8,907.16	6,970.35	71.90	65.78	-91.74	1,336.99	2,088.40	2,337.41	2,199.94	137.48	17.002		
9,200.00	6,899.88	9,007.17	6,971.38	74.48	68.28	-91.75	1,338.34	2,188.38	2,338.65	2,196.10	142.55	16.405		
9,300.00	6,900.14	9,092.82	6,972.42	77.08	70.45	-91.77	1,339.68	2,288.35	2,339.89	2,192.57	147.31	15.884		
9,400.00	6,900.41	9,207.19	6,973.45	79.70	73.36	-91.79	1,341.02	2,388.33	2,341.12	2,188.28	152.84	15.317		
9,500.00	6,900.67	9,307.20	6,974.48	82.33	75.93	-91.81	1,342.37	2,488.30	2,342.36	2,184.32	158.04	14.821		
9,600.00	6,900.93	9,407.21	6,975.51	84.97	78.52	-91.83	1,343.71	2,588.28	2,343.60	2,180.32	163.28	14.353		
9,700.00	6,901.19	9,507.22	6,976.54	87.63	81.13	-91.84	1,345.06	2,688.26	2,344.83	2,176.29	168.54	13.912		
9,800.00	6,901.45	9,592.77	6,977.57	90.31	83.38	-91.86	1,346.40	2,788.23	2,346.07	2,172.62	173.45	13.526		
9,900.00	6,901.72	9,707.24	6,978.60	92.99	86.39	-91.88	1,347.75	2,888.21	2,347.31	2,168.16	179.15	13.102		
10,000.00	6,901.98	9,807.25	6,979.63	95.68	89.05	-91.90	1,349.09	2,988.18	2,348.54	2,164.05	184.49	12.730		
10,100.00	6,902.24	9,907.26	6,980.66	98.38	91.71	-91.91	1,350.44	3,088.16	2,349.78	2,159.93	189.85	12.377		
10,200.00	6,902.50	9,992.73	6,981.69	101.09	93.99	-91.93	1,351.78	3,188.13	2,351.02	2,156.18	194.84	12.066		
10,300.00	6,902.76	10,107.29	6,982.72	103.81	97.07	-91.95	1,353.13	3,288.11	2,352.26	2,151.63	200.63	11.724		
10,400.00	6,903.03	10,207.30	6,983.76	106.53	99.76	-91.97	1,354.47	3,388.08	2,353.50	2,147.45	206.05	11.422		
10,500.00	6,903.29	10,307.31	6,984.79	109.26	102.46	-91.99	1,355.82	3,488.06	2,354.74	2,143.26	211.47	11.135		
10,600.00	6,903.55	10,407.32	6,985.82	112.00	105.17	-92.00	1,357.16	3,588.03	2,355.97	2,139.06	216.92	10.861		
10,700.00	6,903.81	10,507.33	6,986.85	114.75	107.89	-92.02	1,358.51	3,688.01	2,357.21	2,134.84	222.37	10.600		
10,800.00	6,904.08	10,607.34	6,987.88	117.49	110.62	-92.04	1,359.85	3,787.98	2,358.45	2,130.61	227.84	10.351		
10,900.00	6,904.34	10,707.35	6,988.91	120.25	113.35	-92.06	1,361.20	3,887.96	2,359.69	2,126.37	233.32	10.114		
11,000.00	6,904.60	10,807.36	6,989.94	123.00	116.08	-92.07	1,362.54	3,987.93	2,360.93	2,122.13	238.81	9.886		
11,100.00	6,904.86	10,907.37	6,990.97	125.77	118.82	-92.09	1,363.89	4,087.91	2,362.17	2,117.87	244.30	9.669		
11,200.00	6,905.12	11,007.38	6,992.00	128.53	121.57	-92.11	1,365.23	4,187.89	2,363.41	2,113.60	249.81	9.461		
11,300.00	6,905.39	11,107.39	6,993.03	131.30	124.32	-92.13	1,366.58	4,287.86	2,364.65	2,109.33	255.33	9.261		
11,400.00	6,905.65	11,207.40	6,994.06	134.08	127.08	-92.14	1,367.92	4,387.84	2,365.89	2,105.04	260.85	9.070		
11,500.00	6,905.91	11,307.41	6,995.09	136.85	129.84	-92.16	1,369.27	4,487.81	2,367.14	2,100.76	266.38	8.886		
11,600.00	6,906.17	11,407.42	6,996.13	139.63	132.60	-92.18	1,370.61	4,587.79	2,368.38	2,096.46	271.92	8.710		
11,700.00	6,906.43	11,492.57	6,997.16	142.42	134.95	-92.20	1,371.96	4,687.76	2,369.62	2,092.57	277.05	8.553		
11,800.00	6,906.70	11,607.44	6,998.19	145.20	138.14	-92.21	1,373.30	4,787.74	2,370.86	2,088.85	283.01	8.377		
11,900.00	6,906.96	11,707.45	6,999.22	147.99	140.91	-92.23	1,374.64	4,887.71	2,372.10	2,085.54	288.57	8.220		
12,000.00	6,907.22	11,807.46	7,000.25	150.78	143.69	-92.25	1,375.99	4,987.69	2,373.34	2,079.22	294.13	8.069		
12,100.00	6,907.48	11,907.47	7,001.28	153.57	146.47	-92.27	1,377.33	5,087.66	2,374.59	2,074.89	299.69	7.923		
12,200.00	6,907.74	12,007.48	7,002.31	156.37	149.25	-92.28	1,378.68	5,187.64	2,375.83	2,070.57	305.26	7.783		
12,300.00	6,908.01	12,107.49	7,003.34	159.17	152.03	-92.30	1,380.02	5,287.61	2,377.07	2,066.23	310.84	7.647		
12,400.00	6,908.27	12,207.50	7,004.37	161.97	154.82	-92.32	1,381.37	5,387.59	2,378.31	2,061.90	316.41	7.516		
12,500.00	6,908.53	12,307.51	7,005.40	164.77	157.61	-92.34	1,382.71	5,487.56	2,379.56	2,057.56	322.00	7.390		
12,600.00	6,908.79	12,407.52	7,006.43	167.57	160.40	-92.35	1,384.06	5,587.54	2,380.80	2,053.22	327.58	7.268		
12,700.00	6,909.06	12,507.53	7,007.47	170.38	163.19	-92.37	1,385.40	5,687.52	2,382.04	2,048.87	333.17	7.150		
12,800.00	6,909.32	12,607.54	7,008.50	173.18	165.99	-92.39	1,386.75	5,787.49	2,383.29	2,044.52	338.77	7.035		
12,900.00	6,909.58	12,692.45	7,009.53	175.99	168.37	-92.40	1,388.09	5,887.47	2,384.53	2,040.59	343.94	6.933		
13,000.00	6,909.84	12,807.56	7,010.56	178.80	171.59	-92.42	1,389.44	5,987.44	2,385.78	2,035.81	349.96	6.817		
13,100.00	6,910.10	12,892.43	7,011.59	181.61	173.96	-92.44	1,390.78	6,087.42	2,387.02	2,031.88	355.14	6.721		
13,200.00	6,910.37	13,007.58	7,012.62	184.42	177.19	-92.46	1,392.13	6,187.39	2,388.26	2,027.09	361.17	6.613		
13,300.00	6,910.63	13,092.41	7,013.65	187.24	179.57	-92.47	1,393.47	6,287.37	2,389.51	2,023.16	366.35	6.522		
13,400.00	6,910.89	13,207.61	7,014.68	190.05	182.80	-92.49	1,394.82	6,387.34	2,390.75	2,018.36	372.39	6.420		
13,500.00	6,911.15	13,307.62	7,015.71	192.87	185.61	-92.51	1,396.16	6,487.32	2,392.00	2,014.00	378.00	6.328		
13,600.00	6,911.41	13,407.63	7,016.74	195.68	188.41	-92.52	1,397.51	6,587.29	2,393.25	2,009.63	383.62	6.239		
13,700.00	6,911.68	13,492.36	7,017.77	198.50	190.79	-92.54	1,398.85	6,687.27	2,394.49	2,005.68	388.81	6.159		
13,800.00	6,911.94	13,607.65	7,018.81	201.32	194.03	-92.56	1,400.20	6,787.24	2,395.74	2,000.88	394.85	6.067		
13,900.00	6,912.20	13,692.34	7,019.84	204.14	196.42	-92.58	1,401.54	6,887.22	2,396.98	1,996.94	400.05	5.992		
14,000.00	6,912.46	13,807.67	7,020.87	206.96	199.66	-92.59	1,402.89	6,987.19	2,398.23	1,992.13	406.10	5.906		
14,100.00	6,912.72	13,907.68	7,021.90	209.78	202.47	-92.61	1,404.23	7,087.17	2,399.48	1,987.75	411.72	5.828		
14,200.00	6,912.99	14,007.69	7,022.93	212.61	205.29	-92.63	1,405.57	7,187.15	2,400.72	1,983.37	417.35	5.752		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,913.25	14,107.70	7,023.96	215.43	208.10	-92.64	1,406.92	7,287.12	2,401.97	1,978.99	422.98	5.679		
14,400.00	6,913.51	14,207.71	7,024.99	218.26	210.92	-92.66	1,408.26	7,387.10	2,403.22	1,974.61	428.61	5.607		
14,500.00	6,913.77	14,307.72	7,026.02	221.08	213.74	-92.68	1,409.61	7,487.07	2,404.46	1,970.22	434.24	5.537		
14,600.00	6,914.04	14,392.27	7,027.05	223.91	216.12	-92.69	1,410.95	7,587.05	2,405.71	1,966.27	439.44	5.475		
14,700.00	6,914.30	14,507.74	7,028.08	226.73	219.38	-92.71	1,412.30	7,687.02	2,406.96	1,961.45	445.51	5.403		
14,800.00	6,914.56	14,607.75	7,029.11	229.56	222.20	-92.73	1,413.64	7,787.00	2,408.21	1,957.07	451.14	5.338		
14,900.00	6,914.82	14,707.76	7,030.14	232.39	225.02	-92.75	1,414.99	7,886.97	2,409.46	1,952.68	456.78	5.275		
15,000.00	6,915.08	14,807.77	7,031.18	235.22	227.84	-92.76	1,416.33	7,986.95	2,410.70	1,948.29	462.42	5.213		
15,100.00	6,915.35	14,907.78	7,032.21	238.05	230.66	-92.78	1,417.68	8,086.92	2,411.95	1,943.90	468.05	5.153		
15,200.00	6,915.61	15,007.79	7,033.24	240.88	233.48	-92.80	1,419.02	8,186.90	2,413.20	1,939.51	473.69	5.094		
15,300.00	6,915.87	15,107.80	7,034.27	243.71	236.31	-92.81	1,420.37	8,286.87	2,414.45	1,935.11	479.34	5.037		
15,400.00	6,916.13	15,207.81	7,035.30	246.54	239.13	-92.83	1,421.71	8,386.85	2,415.70	1,930.72	484.98	4.981		
15,500.00	6,916.39	15,307.82	7,036.33	249.37	241.96	-92.85	1,423.06	8,486.82	2,416.95	1,926.33	490.62	4.926		
15,600.00	6,916.66	15,407.83	7,037.36	252.20	244.78	-92.86	1,424.40	8,586.80	2,418.20	1,921.93	496.27	4.873		
15,700.00	6,916.92	15,507.84	7,038.39	255.03	247.61	-92.88	1,425.75	8,686.78	2,419.45	1,917.54	501.91	4.820		
15,800.00	6,917.18	15,607.85	7,039.42	257.87	250.44	-92.90	1,427.09	8,786.75	2,420.70	1,913.14	507.56	4.769		
15,900.00	6,917.44	15,707.86	7,040.45	260.70	253.26	-92.91	1,428.44	8,886.73	2,421.95	1,908.75	513.20	4.719		
16,000.00	6,917.70	15,807.87	7,041.48	263.53	256.09	-92.93	1,429.78	8,986.70	2,423.20	1,904.35	518.85	4.670		
16,100.00	6,917.97	15,907.88	7,042.52	266.37	258.92	-92.95	1,431.13	9,086.68	2,424.45	1,899.95	524.50	4.622		
16,200.00	6,918.23	16,007.89	7,043.55	269.20	261.75	-92.96	1,432.47	9,186.65	2,425.70	1,895.56	530.15	4.576		
16,300.00	6,918.49	16,107.90	7,044.58	272.04	264.58	-92.98	1,433.82	9,286.63	2,426.95	1,891.16	535.80	4.530		
16,400.00	6,918.75	16,207.91	7,045.61	274.87	267.41	-93.00	1,435.16	9,386.60	2,428.20	1,886.76	541.45	4.485		
16,500.00	6,919.02	16,307.93	7,046.64	277.71	270.24	-93.01	1,436.51	9,486.58	2,429.46	1,882.36	547.10	4.441		
16,600.00	6,919.28	16,392.07	7,047.67	280.55	272.62	-93.03	1,437.85	9,586.55	2,430.71	1,878.41	552.30	4.401		
16,700.00	6,919.54	16,507.95	7,048.70	283.38	275.90	-93.05	1,439.19	9,686.53	2,431.96	1,873.56	558.40	4.355		
16,800.00	6,919.80	16,607.96	7,049.73	286.22	278.73	-93.06	1,440.54	9,786.50	2,433.21	1,869.16	564.05	4.314		
16,900.00	6,920.06	16,707.97	7,050.76	289.06	281.56	-93.08	1,441.88	9,886.48	2,434.46	1,864.76	569.70	4.273		
17,000.00	6,920.33	16,807.98	7,051.79	291.90	284.39	-93.10	1,443.23	9,986.45	2,435.72	1,860.36	575.36	4.233		
17,100.00	6,920.59	16,907.99	7,052.82	294.73	287.23	-93.11	1,444.57	10,086.43	2,436.97	1,855.96	581.01	4.194		
17,200.00	6,920.85	17,008.00	7,053.85	297.57	290.06	-93.13	1,445.92	10,186.41	2,438.22	1,851.56	586.67	4.156		
17,300.00	6,921.11	17,091.99	7,054.89	300.41	292.44	-93.15	1,447.26	10,286.38	2,439.48	1,847.61	591.87	4.122		
17,400.00	6,921.37	17,208.02	7,055.92	303.25	295.73	-93.16	1,448.61	10,386.36	2,440.73	1,842.75	597.98	4.082		
17,500.00	6,921.64	17,291.97	7,056.95	306.09	298.11	-93.18	1,449.95	10,486.33	2,441.98	1,838.80	603.18	4.049		
17,600.00	6,921.90	17,408.04	7,057.98	308.93	301.40	-93.19	1,451.30	10,586.31	2,443.24	1,833.95	609.29	4.010		
17,638.91	6,922.00	17,430.86	7,058.38	310.03	302.04	-93.20	1,451.82	10,625.20	2,443.72	1,832.69	611.03	3.999 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.68	-14.94	-1.39	15.01					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-14.94	-1.39	15.01	8.44	6.57	2.284		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-14.94	-1.39	15.01	8.33	6.67	2.248 CC		
300.00	299.98	299.48	299.46	3.44	3.44	-174.68	-16.62	-1.80	15.01	8.12	6.89	2.179		
400.00	399.84	398.97	398.81	3.59	3.59	-13.07	-21.65	-3.04	15.04	7.83	7.21	2.086		
500.00	499.45	498.45	497.91	3.79	3.79	-14.86	-30.02	-5.10	15.10	7.46	7.64	1.977		
600.00	598.70	597.94	596.66	4.04	4.03	-17.33	-41.73	-7.99	15.20	7.06	8.15	1.867		
660.50	658.52	658.13	656.18	4.20	4.19	-19.14	-50.43	-10.13	15.30	6.81	8.49	1.802 ES		
700.00	697.51	697.42	694.93	4.31	4.31	-20.10	-56.77	-11.68	15.64	6.91	8.72	1.792		
800.00	796.22	796.81	792.50	4.63	4.63	-19.93	-75.09	-16.19	18.81	9.44	9.36	2.008		
900.00	894.93	895.86	889.04	4.98	4.98	-17.56	-96.60	-21.49	25.31	15.26	10.05	2.519		
1,000.00	993.64	994.35	984.21	5.34	5.37	-14.90	-121.20	-27.54	35.19	24.43	10.76	3.270		
1,100.00	1,092.35	1,092.06	1,077.71	5.73	5.79	-12.70	-148.72	-34.31	48.47	36.97	11.50	4.216		
1,200.00	1,191.06	1,188.76	1,169.25	6.13	6.24	-11.02	-178.99	-41.76	65.11	52.87	12.24	5.318		
1,300.00	1,289.78	1,285.71	1,260.07	6.54	6.72	-9.78	-211.93	-49.87	84.62	71.62	13.00	6.510		
1,400.00	1,388.49	1,383.70	1,351.73	6.95	7.22	-8.97	-245.56	-58.14	104.54	90.75	13.79	7.583		
1,500.00	1,487.20	1,481.68	1,443.39	7.38	7.74	-8.42	-279.19	-66.42	124.47	109.88	14.60	8.528		
1,600.00	1,585.91	1,579.67	1,535.05	7.81	8.27	-8.02	-312.83	-74.69	144.41	128.99	15.42	9.363		
1,700.00	1,684.62	1,677.66	1,626.71	8.25	8.81	-7.72	-346.46	-82.97	164.36	148.09	16.27	10.103		
1,800.00	1,783.33	1,775.65	1,718.37	8.70	9.35	-7.49	-380.09	-91.25	184.31	167.18	17.13	10.761		
1,900.00	1,882.04	1,873.63	1,810.04	9.15	9.91	-7.30	-413.72	-99.52	204.26	186.26	18.00	11.348		
2,000.00	1,980.75	1,971.62	1,901.70	9.60	10.47	-7.14	-447.36	-107.80	224.21	205.33	18.88	11.875		
2,100.00	2,079.46	2,069.61	1,993.36	10.05	11.03	-7.01	-480.99	-116.08	244.17	224.39	19.77	12.350		
2,200.00	2,178.17	2,167.60	2,085.02	10.51	11.60	-6.90	-514.62	-124.35	264.12	243.45	20.67	12.779		
2,300.00	2,276.88	2,265.58	2,176.68	10.97	12.17	-6.80	-548.26	-132.63	284.08	262.50	21.57	13.168		
2,400.00	2,375.59	2,363.57	2,268.35	11.43	12.75	-6.72	-581.89	-140.90	304.03	281.55	22.48	13.522		
2,500.00	2,474.31	2,461.56	2,360.01	11.89	13.32	-6.65	-615.52	-149.18	323.99	300.59	23.40	13.845		
2,600.00	2,573.02	2,559.55	2,451.67	12.36	13.90	-6.58	-649.16	-157.46	343.95	319.63	24.32	14.141		
2,700.00	2,671.73	2,657.53	2,543.33	12.82	14.49	-6.53	-682.79	-165.73	363.91	338.66	25.25	14.414		
2,800.00	2,770.44	2,755.52	2,634.99	13.29	15.07	-6.47	-716.42	-174.01	383.87	357.69	26.18	14.665		
2,900.00	2,869.15	2,853.51	2,726.65	13.76	15.66	-6.43	-750.05	-182.29	403.82	376.72	27.11	14.897		
3,000.00	2,967.86	2,951.50	2,818.32	14.23	16.24	-6.39	-783.69	-190.56	423.78	395.74	28.04	15.112		
3,100.00	3,066.57	3,049.48	2,909.98	14.70	16.83	-6.35	-817.32	-198.84	443.74	414.76	28.98	15.311		
3,200.00	3,165.28	3,147.47	3,001.64	15.17	17.42	-6.31	-850.95	-207.11	463.70	433.78	29.92	15.497		
3,300.00	3,263.99	3,245.46	3,093.30	15.64	18.01	-6.28	-884.59	-215.39	483.66	452.80	30.86	15.671		
3,400.00	3,362.70	3,343.45	3,184.96	16.11	18.60	-6.25	-918.22	-223.67	503.62	471.81	31.81	15.833		
3,500.00	3,461.41	3,441.43	3,276.62	16.59	19.19	-6.23	-951.85	-231.94	523.58	490.83	32.76	15.985		
3,600.00	3,560.12	3,539.42	3,368.29	17.06	19.79	-6.20	-985.48	-240.22	543.54	509.84	33.70	16.127		
3,700.00	3,658.84	3,637.41	3,459.95	17.53	20.38	-6.18	-1,019.12	-248.50	563.50	528.85	34.65	16.261		
3,800.00	3,757.55	3,752.90	3,568.43	18.01	21.07	-6.16	-1,057.58	-257.96	582.43	546.62	35.61	16.264		
3,900.00	3,856.26	3,877.39	3,687.00	18.48	21.78	-6.17	-1,094.39	-267.02	597.30	560.29	37.00	16.141		
4,000.00	3,954.97	4,003.28	3,808.46	18.96	22.46	-6.20	-1,126.50	-274.92	607.84	569.72	38.12	15.944		
4,100.00	4,053.68	4,130.10	3,932.17	19.44	23.09	-6.27	-1,153.57	-281.58	613.99	574.84	39.15	15.682		
4,200.00	4,152.39	4,257.36	4,057.42	19.91	23.70	-6.36	-1,175.36	-286.94	615.72	575.63	40.09	15.359		
4,300.00	4,251.10	4,384.56	4,183.49	20.39	24.26	-6.48	-1,191.73	-290.97	613.01	572.09	40.92	14.979		
4,400.00	4,349.81	4,511.20	4,309.62	20.87	24.77	-6.64	-1,202.61	-293.65	605.89	564.24	41.65	14.546		
4,500.00	4,448.52	4,636.80	4,435.08	21.34	25.24	-6.83	-1,208.05	-294.99	594.40	552.13	42.27	14.062		
4,600.00	4,547.23	4,748.95	4,547.23	21.82	25.59	-7.04	-1,208.76	-295.16	579.09	536.18	42.92	13.493		
4,700.00	4,645.94	4,847.67	4,645.94	22.30	25.88	-7.24	-1,208.76	-295.16	563.21	519.50	43.70	12.887		
4,800.00	4,744.65	4,946.38	4,744.65	22.78	26.18	-7.45	-1,208.76	-295.16	547.33	502.84	44.49	12.301		
4,900.00	4,843.37	5,045.09	4,843.37	23.26	26.48	-7.67	-1,208.76	-295.16	531.46	486.17	45.29	11.735		
5,000.00	4,942.08	5,143.80	4,942.08	23.74	26.78	-7.91	-1,208.76	-295.16	515.60	469.51	46.09	11.188		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	5,242.51	5,040.79	24.21	27.09	-8.16	-1,208.76	-295.16	499.75	452.86	46.89	10.659		
5,200.00	5,139.50	5,341.22	5,139.50	24.69	27.40	-8.43	-1,208.76	-295.16	483.91	436.21	47.69	10.147		
5,300.00	5,238.21	5,439.93	5,238.21	25.17	27.72	-8.72	-1,208.76	-295.16	468.07	419.58	48.50	9.651		
5,400.00	5,336.92	5,538.64	5,336.92	25.65	28.03	-9.03	-1,208.76	-295.16	452.26	402.95	49.31	9.172		
5,500.00	5,435.63	5,637.35	5,435.63	26.13	28.35	-9.36	-1,208.76	-295.16	436.45	386.33	50.12	8.707		
5,600.00	5,534.34	5,736.06	5,534.34	26.61	28.68	-9.71	-1,208.76	-295.16	420.66	369.72	50.94	8.258		
5,700.00	5,633.05	5,834.77	5,633.05	27.09	29.00	-10.09	-1,208.76	-295.16	404.89	353.12	51.76	7.822		
5,800.00	5,731.76	5,933.48	5,731.76	27.57	29.33	-10.50	-1,208.76	-295.16	389.13	336.55	52.59	7.400		
5,900.00	5,830.47	6,032.20	5,830.47	28.05	29.67	-10.95	-1,208.76	-295.16	373.40	319.99	53.42	6.991		
6,000.00	5,929.18	6,130.91	5,929.18	28.53	30.00	-11.44	-1,208.76	-295.16	357.69	303.45	54.25	6.594		
6,100.00	6,027.90	6,229.62	6,027.90	29.01	30.34	-11.97	-1,208.76	-295.16	342.01	286.93	55.08	6.209		
6,200.00	6,126.61	6,328.33	6,126.61	29.49	30.68	-12.55	-1,208.76	-295.16	326.36	270.44	55.92	5.836		
6,300.00	6,225.32	6,427.04	6,225.32	29.97	31.02	-13.19	-1,208.76	-295.16	310.75	253.98	56.77	5.474		
6,311.21	6,236.38	6,438.10	6,236.38	30.03	31.06	-13.27	-1,208.76	-295.16	309.00	252.14	56.86	5.434		
6,350.00	6,274.70	6,476.43	6,274.70	30.21	31.19	9.23	-1,208.76	-295.16	303.03	245.85	57.18	5.299		
6,400.00	6,324.03	6,525.75	6,324.03	30.43	31.36	36.16	-1,208.76	-295.16	295.60	238.03	57.57	5.135		
6,450.00	6,373.00	6,574.72	6,373.00	30.65	31.53	55.09	-1,208.76	-295.16	288.64	230.71	57.93	4.983		
6,500.00	6,421.31	6,623.03	6,421.31	30.84	31.70	68.07	-1,208.76	-295.16	282.49	224.23	58.26	4.849		
6,550.00	6,468.66	6,670.38	6,468.66	31.03	31.87	77.91	-1,208.76	-295.16	277.67	219.08	58.59	4.739		
6,600.00	6,514.76	6,716.48	6,514.76	31.20	32.03	86.11	-1,208.76	-295.16	274.85	215.91	58.94	4.663		
6,626.25	6,538.36	6,740.08	6,538.36	31.29	32.12	90.00	-1,208.76	-295.16	274.42	215.29	59.14	4.640		
6,650.00	6,559.32	6,761.05	6,559.32	31.37	32.19	93.33	-1,208.76	-295.16	274.80	215.47	59.33	4.632		
6,700.00	6,602.08	6,806.04	6,602.08	31.52	32.35	100.05	-1,208.76	-295.05	278.30	218.59	59.70	4.661		
6,750.00	6,642.77	6,859.49	6,642.77	31.65	32.54	106.91	-1,208.75	-291.81	284.84	225.10	59.74	4.768		
6,800.00	6,681.13	6,916.12	6,681.13	31.78	32.75	113.24	-1,208.72	-283.50	293.77	234.28	59.49	4.938		
6,850.00	6,716.93	6,976.43	6,716.93	31.89	32.95	119.10	-1,208.68	-269.23	304.66	245.85	58.82	5.180		
6,900.00	6,749.95	7,040.98	6,749.95	31.99	33.17	124.52	-1,208.61	-247.89	317.00	259.40	57.59	5.504		
6,950.00	6,779.98	7,110.35	6,779.98	32.08	33.38	129.48	-1,208.51	-218.22	330.18	274.51	55.68	5.930		
7,000.00	6,806.85	7,185.12	6,806.85	32.16	33.60	133.98	-1,208.39	-178.81	343.60	290.64	52.96	6.488		
7,050.00	6,830.38	7,265.78	6,830.38	32.24	33.81	137.98	-1,208.22	-128.28	356.59	307.22	49.37	7.222		
7,100.00	6,850.43	7,352.61	6,850.43	32.35	34.01	141.42	-1,208.02	-65.49	368.48	323.52	44.95	8.197		
7,150.00	6,866.88	7,445.53	6,866.88	32.59	34.20	144.24	-1,207.78	10.04	378.59	338.66	39.93	9.481		
7,200.00	6,879.62	7,543.92	6,879.62	32.99	34.42	146.38	-1,207.50	97.66	386.32	351.43	34.88	11.075		
7,250.00	6,888.58	7,646.52	6,888.58	33.48	34.74	147.79	-1,207.19	195.20	391.13	360.24	30.89	12.663		
7,300.00	6,893.70	7,751.48	6,893.70	34.02	35.38	148.41	-1,206.85	298.87	392.67	363.27	29.40	13.357		
7,339.40	6,895.01	7,812.92	6,895.01	34.48	35.94	148.44	-1,206.66	360.27	392.01	361.93	30.08	13.031		
7,400.00	6,895.16	7,873.51	6,895.16	35.24	36.61	148.44	-1,206.46	420.87	391.87	360.73	31.14	12.582		
7,500.00	6,895.43	7,973.51	6,895.43	36.64	37.91	148.45	-1,206.14	520.86	391.64	358.54	33.10	11.834		
7,600.00	6,895.69	8,073.51	6,895.69	38.20	39.41	148.47	-1,205.82	620.86	391.41	356.14	35.27	11.098		
7,700.00	6,895.95	8,173.51	6,895.95	39.91	41.08	148.48	-1,205.50	720.86	391.18	353.55	37.63	10.396		
7,800.00	6,896.21	8,273.51	6,896.21	41.75	42.87	148.49	-1,205.18	820.86	390.95	350.81	40.13	9.741		
7,900.00	6,896.47	8,373.51	6,896.47	43.69	44.78	148.50	-1,204.86	920.86	390.72	347.95	42.77	9.136		
8,000.00	6,896.74	8,473.51	6,896.74	45.73	46.79	148.51	-1,204.54	1,020.86	390.48	344.98	45.50	8.582		
8,100.00	6,897.00	8,573.51	6,897.00	47.85	48.89	148.52	-1,204.22	1,120.86	390.25	341.94	48.32	8.077		
8,200.00	6,897.26	8,673.51	6,897.26	50.04	51.06	148.54	-1,203.89	1,220.86	390.02	338.82	51.21	7.617		
8,300.00	6,897.52	8,773.51	6,897.52	52.30	53.29	148.55	-1,203.57	1,320.86	389.79	335.64	54.15	7.198		
8,400.00	6,897.78	8,873.51	6,897.78	54.61	55.58	148.56	-1,203.25	1,420.86	389.56	332.41	57.15	6.817		
8,500.00	6,898.05	8,973.51	6,898.05	56.98	57.92	148.57	-1,202.93	1,520.86	389.33	329.14	60.19	6.469		
8,600.00	6,898.31	9,073.51	6,898.31	59.38	60.31	148.58	-1,202.61	1,620.85	389.10	325.84	63.26	6.151		
8,700.00	6,898.57	9,173.51	6,898.57	61.82	62.73	148.60	-1,202.29	1,720.85	388.87	322.50	66.36	5.860		
8,800.00	6,898.83	9,273.51	6,898.83	64.30	65.19	148.61	-1,201.97	1,820.85	388.64	319.14	69.49	5.593		
8,900.00	6,899.10	9,373.51	6,899.10	66.81	67.68	148.62	-1,201.65	1,920.85	388.41	315.76	72.64	5.347		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	9,473.51	7,230.79	69.34	70.20	148.63	-1,201.33	2,020.85	388.17	312.36	75.81	5.120		
9,100.00	6,899.62	9,573.51	7,230.90	71.90	72.75	148.64	-1,201.01	2,120.85	387.94	308.94	79.00	4.911		
9,200.00	6,899.88	9,673.51	7,231.01	74.48	75.31	148.65	-1,200.68	2,220.85	387.71	305.51	82.20	4.717		
9,300.00	6,900.14	9,773.51	7,231.11	77.08	77.90	148.67	-1,200.36	2,320.85	387.48	302.06	85.42	4.536		
9,400.00	6,900.41	9,873.51	7,231.22	79.70	80.50	148.68	-1,200.04	2,420.85	387.25	298.61	88.64	4.369		
9,500.00	6,900.67	9,973.51	7,231.33	82.33	83.12	148.69	-1,199.72	2,520.85	387.02	295.14	91.88	4.212		
9,600.00	6,900.93	10,073.51	7,231.43	84.97	85.76	148.70	-1,199.40	2,620.85	386.79	291.66	95.13	4.066		
9,700.00	6,901.19	10,173.51	7,231.54	87.63	88.41	148.71	-1,199.08	2,720.85	386.56	288.18	98.38	3.929		
9,800.00	6,901.45	10,273.51	7,231.65	90.31	91.07	148.73	-1,198.76	2,820.84	386.33	284.69	101.64	3.801		
9,900.00	6,901.72	10,373.51	7,231.75	92.99	93.74	148.74	-1,198.44	2,920.84	386.10	281.19	104.90	3.681		
10,000.00	6,901.98	10,473.51	7,231.86	95.68	96.42	148.75	-1,198.12	3,020.84	385.87	277.69	108.17	3.567		
10,100.00	6,902.24	10,573.50	7,231.97	98.38	99.12	148.76	-1,197.80	3,120.84	385.63	274.19	111.45	3.460		
10,200.00	6,902.50	10,673.50	7,232.08	101.09	101.82	148.77	-1,197.48	3,220.84	385.40	270.68	114.73	3.359		
10,300.00	6,902.76	10,773.50	7,232.18	103.81	104.53	148.79	-1,197.15	3,320.84	385.17	267.16	118.01	3.264		
10,400.00	6,903.03	10,873.50	7,232.29	106.53	107.24	148.80	-1,196.83	3,420.84	384.94	263.65	121.30	3.174		
10,500.00	6,903.29	10,973.50	7,232.40	109.26	109.97	148.81	-1,196.51	3,520.84	384.71	260.13	124.59	3.088		
10,600.00	6,903.55	11,073.50	7,232.50	112.00	112.70	148.82	-1,196.19	3,620.84	384.48	256.60	127.88	3.007		
10,700.00	6,903.81	11,173.50	7,232.61	114.75	115.43	148.83	-1,195.87	3,720.84	384.25	253.08	131.17	2.929		
10,800.00	6,904.08	11,273.50	7,232.72	117.49	118.18	148.85	-1,195.55	3,820.84	384.02	249.55	134.47	2.856		
10,900.00	6,904.34	11,373.50	7,232.82	120.25	120.92	148.86	-1,195.23	3,920.83	383.79	246.03	137.76	2.786		
11,000.00	6,904.60	11,473.50	7,232.93	123.00	123.68	148.87	-1,194.91	4,020.83	383.56	242.50	141.06	2.719		
11,100.00	6,904.86	11,573.50	7,233.04	125.77	126.43	148.88	-1,194.59	4,120.83	383.33	238.97	144.36	2.655		
11,200.00	6,905.12	11,673.50	7,233.14	128.53	129.19	148.90	-1,194.27	4,220.83	383.10	235.44	147.66	2.594		
11,300.00	6,905.39	11,773.50	7,233.25	131.30	131.96	148.91	-1,193.94	4,320.83	382.87	231.91	150.96	2.536		
11,400.00	6,905.65	11,873.50	7,233.36	134.08	134.73	148.92	-1,193.62	4,420.83	382.64	228.37	154.26	2.480		
11,500.00	6,905.91	11,973.50	7,233.46	136.85	137.50	148.93	-1,193.30	4,520.83	382.41	224.84	157.57	2.427		
11,600.00	6,906.17	12,073.50	7,233.57	139.63	140.27	148.94	-1,192.98	4,620.83	382.18	221.31	160.87	2.376		
11,700.00	6,906.43	12,173.50	7,233.68	142.42	143.05	148.96	-1,192.66	4,720.83	381.95	217.77	164.17	2.326		
11,800.00	6,906.70	12,273.50	7,233.78	145.20	145.83	148.97	-1,192.34	4,820.83	381.71	214.24	167.48	2.279		
11,900.00	6,906.96	12,373.50	7,233.89	147.99	148.62	148.98	-1,192.02	4,920.83	381.48	210.71	170.78	2.234		
12,000.00	6,907.22	12,473.50	7,234.00	150.78	151.40	148.99	-1,191.70	5,020.83	381.25	207.17	174.08	2.190		
12,100.00	6,907.48	12,573.50	7,234.10	153.57	154.19	149.01	-1,191.38	5,120.82	381.02	203.64	177.38	2.148		
12,200.00	6,907.74	12,673.50	7,234.21	156.37	156.98	149.02	-1,191.06	5,220.82	380.79	200.11	180.69	2.107		
12,300.00	6,908.01	12,773.50	7,234.32	159.17	159.78	149.03	-1,190.74	5,320.82	380.56	196.57	183.99	2.068		
12,400.00	6,908.27	12,873.50	7,234.42	161.97	162.57	149.04	-1,190.41	5,420.82	380.33	193.04	187.29	2.031		
12,500.00	6,908.53	12,973.50	7,234.53	164.77	165.37	149.06	-1,190.09	5,520.82	380.10	189.51	190.59	1.994		
12,600.00	6,908.79	13,073.50	7,234.64	167.57	168.17	149.07	-1,189.77	5,620.82	379.87	185.98	193.89	1.959		
12,700.00	6,909.06	13,173.50	7,234.74	170.38	170.97	149.08	-1,189.45	5,720.82	379.64	182.45	197.19	1.925		
12,800.00	6,909.32	13,273.50	7,234.85	173.18	173.77	149.09	-1,189.13	5,820.82	379.41	178.92	200.49	1.892		
12,900.00	6,909.58	13,373.50	7,234.96	175.99	176.58	149.10	-1,188.81	5,920.82	379.18	175.39	203.79	1.861		
13,000.00	6,909.84	13,473.50	7,235.06	178.80	179.38	149.12	-1,188.49	6,020.82	378.95	171.86	207.09	1.830		
13,100.00	6,910.10	13,573.50	7,235.17	181.61	182.19	149.13	-1,188.17	6,120.82	378.72	168.34	210.38	1.800		
13,200.00	6,910.37	13,673.50	7,235.28	184.42	185.00	149.14	-1,187.85	6,220.81	378.49	164.81	213.68	1.771		
13,300.00	6,910.63	13,773.50	7,235.39	187.24	187.81	149.15	-1,187.53	6,320.81	378.26	161.28	216.98	1.743		
13,400.00	6,910.89	13,873.50	7,235.49	190.05	190.62	149.17	-1,187.20	6,420.81	378.03	157.76	220.27	1.716		
13,500.00	6,911.15	13,973.49	7,235.60	192.87	193.44	149.18	-1,186.88	6,520.81	377.80	154.24	223.56	1.690		
13,600.00	6,911.41	14,073.49	7,235.71	195.68	196.25	149.19	-1,186.56	6,620.81	377.57	150.71	226.86	1.664		
13,700.00	6,911.68	14,173.49	7,235.81	198.50	199.06	149.20	-1,186.24	6,720.81	377.34	147.19	230.15	1.640		
13,800.00	6,911.94	14,273.49	7,235.92	201.32	201.88	149.22	-1,185.92	6,820.81	377.11	143.67	233.44	1.615		
13,900.00	6,912.20	14,373.49	7,236.03	204.14	204.70	149.23	-1,185.60	6,920.81	376.88	140.15	236.73	1.592		
14,000.00	6,912.46	14,473.49	7,236.13	206.96	207.52	149.24	-1,185.28	7,020.81	376.65	136.64	240.01	1.569		
14,100.00	6,912.72	14,573.49	7,236.24	209.78	210.34	149.26	-1,184.96	7,120.81	376.42	133.12	243.30	1.547		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	14,673.49	7,236.35	212.61	213.16	149.27	-1,184.64	7,220.81	376.19	129.60	246.59	1.526		
14,300.00	6,913.25	14,773.49	7,236.45	215.43	215.98	149.28	-1,184.32	7,320.81	375.96	126.09	249.87	1.505		
14,400.00	6,913.51	14,873.49	7,236.56	218.26	218.80	149.29	-1,184.00	7,420.80	375.73	122.58	253.15	1.484	Level 3	
14,500.00	6,913.77	14,973.49	7,236.67	221.08	221.62	149.31	-1,183.67	7,520.80	375.50	119.06	256.43	1.464	Level 3	
14,600.00	6,914.04	15,073.49	7,236.77	223.91	224.45	149.32	-1,183.35	7,620.80	375.27	115.55	259.71	1.445	Level 3	
14,700.00	6,914.30	15,173.49	7,236.88	226.73	227.27	149.33	-1,183.03	7,720.80	375.04	112.05	262.99	1.426	Level 3	
14,800.00	6,914.56	15,273.49	7,236.99	229.56	230.09	149.34	-1,182.71	7,820.80	374.81	108.54	266.27	1.408	Level 3	
14,900.00	6,914.82	15,373.49	7,237.09	232.39	232.92	149.36	-1,182.39	7,920.80	374.58	105.03	269.55	1.390	Level 3	
15,000.00	6,915.08	15,473.49	7,237.20	235.22	235.75	149.37	-1,182.07	8,020.80	374.35	101.53	272.82	1.372	Level 3	
15,100.00	6,915.35	15,573.49	7,237.31	238.05	238.57	149.38	-1,181.75	8,120.80	374.12	98.02	276.10	1.355	Level 3	
15,200.00	6,915.61	15,673.49	7,237.41	240.88	241.40	149.40	-1,181.43	8,220.80	373.89	94.52	279.37	1.338	Level 3	
15,300.00	6,915.87	15,773.49	7,237.52	243.71	244.23	149.41	-1,181.11	8,320.80	373.66	91.02	282.64	1.322	Level 3	
15,400.00	6,916.13	15,873.49	7,237.63	246.54	247.06	149.42	-1,180.79	8,420.80	373.43	87.52	285.91	1.306	Level 3	
15,500.00	6,916.39	15,973.49	7,237.73	249.37	249.89	149.43	-1,180.46	8,520.79	373.20	84.02	289.18	1.291	Level 3	
15,600.00	6,916.66	16,073.49	7,237.84	252.20	252.72	149.45	-1,180.14	8,620.79	372.97	80.53	292.44	1.275	Level 3	
15,700.00	6,916.92	16,173.49	7,237.95	255.03	255.55	149.46	-1,179.82	8,720.79	372.74	77.03	295.71	1.261	Level 3	
15,800.00	6,917.18	16,273.49	7,238.05	257.87	258.38	149.47	-1,179.50	8,820.79	372.51	73.54	298.97	1.246	Level 2	
15,900.00	6,917.44	16,373.49	7,238.16	260.70	261.21	149.49	-1,179.18	8,920.79	372.28	70.05	302.23	1.232	Level 2	
16,000.00	6,917.70	16,473.49	7,238.27	263.53	264.04	149.50	-1,178.86	9,020.79	372.05	66.56	305.49	1.218	Level 2	
16,100.00	6,917.97	16,573.49	7,238.38	266.37	266.88	149.51	-1,178.54	9,120.79	371.82	63.07	308.75	1.204	Level 2	
16,200.00	6,918.23	16,673.49	7,238.48	269.20	269.71	149.52	-1,178.22	9,220.79	371.59	59.58	312.01	1.191	Level 2	
16,300.00	6,918.49	16,773.49	7,238.59	272.04	272.54	149.54	-1,177.90	9,320.79	371.36	56.10	315.26	1.178	Level 2	
16,400.00	6,918.75	16,873.49	7,238.70	274.87	275.38	149.55	-1,177.58	9,420.79	371.13	52.61	318.52	1.165	Level 2	
16,500.00	6,919.02	16,973.49	7,238.80	277.71	278.21	149.56	-1,177.26	9,520.79	370.90	49.13	321.77	1.153	Level 2	
16,600.00	6,919.28	17,073.49	7,238.91	280.55	281.05	149.58	-1,176.93	9,620.79	370.67	45.65	325.02	1.140	Level 2	
16,700.00	6,919.54	17,173.49	7,239.02	283.38	283.88	149.59	-1,176.61	9,720.78	370.44	42.17	328.27	1.128	Level 2	
16,800.00	6,919.80	17,273.48	7,239.12	286.22	286.72	149.60	-1,176.29	9,820.78	370.21	38.70	331.52	1.117	Level 2	
16,900.00	6,920.06	17,373.48	7,239.23	289.06	289.55	149.61	-1,175.97	9,920.78	369.98	35.22	334.77	1.105	Level 2	
17,000.00	6,920.33	17,473.48	7,239.34	291.90	292.39	149.63	-1,175.65	10,020.78	369.76	31.75	338.01	1.094	Level 2	
17,100.00	6,920.59	17,573.48	7,239.44	294.73	295.22	149.64	-1,175.33	10,120.78	369.53	28.27	341.25	1.083	Level 2	
17,200.00	6,920.85	17,673.48	7,239.55	297.57	298.06	149.65	-1,175.01	10,220.78	369.30	24.80	344.49	1.072	Level 2	
17,300.00	6,921.11	17,773.48	7,239.66	300.41	300.90	149.67	-1,174.69	10,320.78	369.07	21.33	347.73	1.061	Level 2	
17,400.00	6,921.37	17,873.48	7,239.76	303.25	303.73	149.68	-1,174.37	10,420.78	368.84	17.87	350.97	1.051	Level 2	
17,500.00	6,921.64	17,973.48	7,239.87	306.09	306.57	149.69	-1,174.05	10,520.78	368.61	14.40	354.21	1.041	Level 2	
17,600.00	6,921.90	18,073.48	7,239.98	308.93	309.41	149.71	-1,173.72	10,620.78	368.38	10.94	357.44	1.031	Level 2	
17,631.19	6,921.98	18,104.67	7,240.01	309.81	310.30	149.71	-1,173.62	10,651.96	368.31	9.86	358.45	1.027	Level 2, SF	
17,638.91	6,922.00	18,095.23	7,240.00	310.03	310.03	149.71	-1,173.65	10,642.52	368.69	10.50	358.19	1.029	Level 2	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.61	164.30	16.15	165.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.61	164.30	16.15	165.09	158.52	6.57	25.130		
200.00	200.00	200.00	200.00	3.34	3.34	5.61	164.30	16.15	165.09	158.42	6.67	24.736 CC, ES		
300.00	299.98	295.60	295.59	3.44	3.44	169.10	165.44	17.26	168.11	161.22	6.89	24.413 SF		
400.00	399.84	390.58	390.44	3.59	3.59	170.34	168.82	20.59	177.19	169.99	7.21	24.591		
500.00	499.45	484.34	483.87	3.79	3.78	172.12	174.35	26.03	192.45	184.83	7.62	25.253		
600.00	598.70	576.29	575.20	4.04	4.00	174.18	181.89	33.45	213.96	205.85	8.11	26.378		
660.50	658.52	630.82	629.19	4.20	4.15	175.45	187.35	38.82	230.01	221.57	8.44	27.254		
700.00	697.51	665.98	663.93	4.31	4.25	176.28	191.26	42.66	241.46	232.80	8.66	27.886		
800.00	796.22	753.79	750.35	4.63	4.51	178.28	202.35	53.56	272.43	263.21	9.23	29.528		
900.00	894.93	841.87	836.54	4.98	4.81	-179.87	215.28	66.28	306.14	296.33	9.82	31.186		
1,000.00	993.64	935.27	927.77	5.34	5.13	-178.23	229.53	80.29	340.81	330.36	10.44	32.636		
1,100.00	1,092.35	1,028.66	1,019.00	5.73	5.49	-176.88	243.77	94.29	375.67	364.57	11.10	33.839		
1,200.00	1,191.06	1,122.05	1,110.23	6.13	5.86	-175.77	258.01	108.30	410.69	398.90	11.79	34.838		
1,300.00	1,289.78	1,215.44	1,201.46	6.54	6.24	-174.83	272.25	122.31	445.83	433.33	12.50	35.668		
1,400.00	1,388.49	1,308.83	1,292.69	6.95	6.63	-174.02	286.50	136.31	481.05	467.82	13.23	36.360		
1,500.00	1,487.20	1,402.23	1,383.93	7.38	7.04	-173.33	300.74	150.32	516.35	502.37	13.98	36.940		
1,600.00	1,585.91	1,504.38	1,475.16	7.81	7.49	-172.72	314.98	164.32	551.70	536.92	14.78	37.334		
1,700.00	1,684.62	1,589.01	1,566.39	8.25	7.86	-172.19	329.22	178.33	587.10	571.59	15.52	37.841		
1,800.00	1,783.33	1,682.40	1,657.62	8.70	8.29	-171.72	343.46	192.33	622.55	606.25	16.30	38.192		
1,900.00	1,882.04	1,775.79	1,748.85	9.15	8.71	-171.30	357.71	206.34	658.02	640.93	17.10	38.491		
2,000.00	1,980.75	1,869.19	1,840.08	9.60	9.14	-170.92	371.95	220.34	693.52	675.63	17.90	38.749		
2,100.00	2,079.46	1,962.58	1,931.31	10.05	9.57	-170.58	386.19	234.35	729.05	710.34	18.71	38.970		
2,200.00	2,178.17	2,055.97	2,022.54	10.51	10.01	-170.27	400.43	248.36	764.60	745.08	19.52	39.163		
2,300.00	2,276.88	2,149.36	2,113.77	10.97	10.45	-169.98	414.68	262.36	800.17	779.82	20.34	39.330		
2,400.00	2,375.59	2,242.76	2,205.00	11.43	10.89	-169.72	428.92	276.37	835.75	814.58	21.17	39.476		
2,500.00	2,474.31	2,336.15	2,296.23	11.89	11.33	-169.49	443.16	290.37	871.34	849.34	22.00	39.604		
2,600.00	2,573.02	2,429.54	2,387.47	12.36	11.78	-169.27	457.40	304.38	906.95	884.11	22.84	39.717		
2,700.00	2,671.73	2,522.93	2,478.70	12.82	12.23	-169.07	471.64	318.38	942.57	918.89	23.67	39.816		
2,800.00	2,770.44	2,616.32	2,569.93	13.29	12.67	-168.88	485.89	332.39	978.19	953.68	24.51	39.904		
2,900.00	2,869.15	2,709.72	2,661.16	13.76	13.12	-168.70	500.13	346.40	1,013.83	988.47	25.36	39.982		
3,000.00	2,967.86	2,803.11	2,752.39	14.23	13.57	-168.54	514.37	360.40	1,049.47	1,023.27	26.20	40.052		
3,100.00	3,066.57	2,903.50	2,843.62	14.70	14.06	-168.39	528.61	374.41	1,085.12	1,058.04	27.08	40.066		
3,200.00	3,165.28	2,989.89	2,934.85	15.17	14.48	-168.25	542.86	388.41	1,120.78	1,092.88	27.90	40.170		
3,300.00	3,263.99	3,083.28	3,026.08	15.64	14.93	-168.11	557.10	402.42	1,156.44	1,127.69	28.75	40.220		
3,400.00	3,362.70	3,176.68	3,117.31	16.11	15.38	-167.99	571.34	416.42	1,192.11	1,162.50	29.61	40.264		
3,500.00	3,461.41	3,270.07	3,208.54	16.59	15.84	-167.87	585.58	430.43	1,227.78	1,197.32	30.46	40.305		
3,600.00	3,560.12	3,363.46	3,299.77	17.06	16.29	-167.76	599.83	444.43	1,263.46	1,232.14	31.32	40.341		
3,700.00	3,658.84	3,456.85	3,391.00	17.53	16.75	-167.65	614.07	458.44	1,299.14	1,266.96	32.18	40.374		
3,800.00	3,757.55	3,550.24	3,482.24	18.01	17.20	-167.55	628.31	472.45	1,334.82	1,301.78	33.04	40.404		
3,900.00	3,856.26	3,643.64	3,573.47	18.48	17.66	-167.46	642.55	486.45	1,370.51	1,336.61	33.90	40.431		
4,000.00	3,954.97	3,737.03	3,664.70	18.96	18.12	-167.37	656.79	500.46	1,406.20	1,371.44	34.76	40.456		
4,100.00	4,053.68	3,830.42	3,755.93	19.44	18.58	-167.28	671.04	514.46	1,441.89	1,406.27	35.62	40.478		
4,200.00	4,152.39	3,923.81	3,847.16	19.91	19.03	-167.20	685.28	528.47	1,477.59	1,441.10	36.49	40.498		
4,300.00	4,251.10	4,017.20	3,938.39	20.39	19.49	-167.13	699.52	542.47	1,513.28	1,475.93	37.35	40.517		
4,400.00	4,349.81	4,110.60	4,029.62	20.87	19.95	-167.05	713.76	556.48	1,548.98	1,510.77	38.21	40.534		
4,500.00	4,448.52	4,203.99	4,120.85	21.34	20.41	-166.98	728.01	570.48	1,584.69	1,545.61	39.08	40.549		
4,600.00	4,547.23	4,302.62	4,212.08	21.82	20.90	-166.91	742.25	584.49	1,620.39	1,580.42	39.97	40.538		
4,700.00	4,645.94	4,409.23	4,303.31	22.30	21.42	-166.85	756.49	598.50	1,656.10	1,615.20	40.90	40.489		
4,800.00	4,744.65	4,484.16	4,394.54	22.78	21.79	-166.79	770.73	612.50	1,691.81	1,650.12	41.68	40.587		
4,900.00	4,843.37	4,577.56	4,485.78	23.26	22.25	-166.73	784.98	626.51	1,727.52	1,684.96	42.55	40.598		
5,000.00	4,942.08	4,670.95	4,577.01	23.74	22.71	-166.67	799.22	640.51	1,763.23	1,719.81	43.42	40.607		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,764.34	4,668.24	24.21	23.17	-166.62	813.46	654.52	1,798.94	1,754.65	44.29	40.616		
5,200.00	5,139.50	4,857.73	4,759.47	24.69	23.63	-166.56	827.70	668.52	1,834.65	1,789.49	45.16	40.624		
5,300.00	5,238.21	4,951.12	4,850.70	25.17	24.09	-166.51	841.94	682.53	1,870.37	1,824.34	46.03	40.632		
5,400.00	5,336.92	5,044.52	4,941.93	25.65	24.55	-166.47	856.19	696.54	1,906.09	1,859.18	46.90	40.638		
5,500.00	5,435.63	5,137.91	5,033.16	26.13	25.02	-166.42	870.43	710.54	1,941.81	1,894.03	47.78	40.644		
5,600.00	5,534.34	5,231.30	5,124.39	26.61	25.48	-166.37	884.67	724.55	1,977.52	1,928.88	48.65	40.650		
5,700.00	5,633.05	5,324.69	5,215.62	27.09	25.94	-166.33	898.91	738.55	2,013.24	1,963.72	49.52	40.655		
5,800.00	5,731.76	5,418.08	5,306.85	27.57	26.40	-166.29	913.16	752.56	2,048.97	1,998.57	50.39	40.659		
5,900.00	5,830.47	5,511.48	5,398.08	28.05	26.86	-166.25	927.40	766.56	2,084.69	2,033.42	51.27	40.663		
6,000.00	5,929.18	5,604.87	5,489.32	28.53	27.32	-166.21	941.64	780.57	2,120.41	2,068.27	52.14	40.667		
6,100.00	6,027.90	5,701.74	5,580.55	29.01	27.80	-166.17	955.88	794.57	2,156.13	2,103.10	53.03	40.657		
6,200.00	6,126.61	5,808.35	5,671.78	29.49	28.33	-166.13	970.12	808.58	2,191.86	2,137.89	53.97	40.613		
6,300.00	6,225.32	5,885.05	5,763.01	29.97	28.71	-166.10	984.37	822.59	2,227.58	2,172.82	54.77	40.675		
6,311.21	6,236.38	5,895.40	5,773.34	30.03	28.77	-166.09	988.61	826.83	2,232.82	2,177.06	54.88	40.677		
6,350.00	6,274.70	5,928.92	5,811.33	30.21	28.85	-177.30	1,142.48	-363.96	2,217.93	2,146.31	71.62	30.970		
6,400.00	6,324.03	5,978.12	5,861.36	30.43	28.80	-152.61	1,142.59	-361.16	2,206.84	2,134.45	72.39	30.484		
6,450.00	6,373.00	6,027.42	5,910.42	30.65	28.67	-136.45	1,142.86	-354.46	2,197.06	2,124.00	73.06	30.073		
6,500.00	6,421.31	6,076.85	5,963.73	30.84	28.46	-126.73	1,143.28	-343.90	2,188.62	2,115.01	73.61	29.733		
6,550.00	6,469.66	6,126.16	6,013.04	31.03	28.18	-120.59	1,143.85	-329.55	2,181.53	2,107.48	74.04	29.463		
6,600.00	6,514.76	6,175.41	6,062.29	31.20	27.82	-116.38	1,144.57	-311.49	2,175.77	2,101.42	74.36	29.262		
6,650.00	6,559.32	6,224.73	6,111.99	31.37	27.40	-113.25	1,145.43	-289.83	2,171.31	2,096.76	74.55	29.125		
6,700.00	6,602.08	6,273.60	6,161.21	31.52	26.92	-110.76	1,146.43	-264.71	2,168.07	2,093.43	74.65	29.044		
6,750.00	6,642.77	6,322.15	6,210.46	31.65	26.39	-108.66	1,147.56	-236.29	2,165.96	2,091.32	74.65	29.015		
6,800.00	6,681.13	6,370.57	6,258.73	31.78	25.80	-106.82	1,148.81	-204.74	2,164.87	2,090.32	74.56	29.037		
6,836.63	6,707.62	6,401.56	6,289.95	31.86	25.33	-105.59	1,149.81	-179.75	2,164.65	2,090.22	74.43	29.082		
6,850.00	6,716.93	6,410.95	6,298.04	31.89	25.45	-105.16	1,150.19	-170.25	2,164.68	2,090.01	74.47	28.989		
6,900.00	6,749.95	6,454.81	6,342.36	31.99	24.50	-103.64	1,151.67	-133.03	2,165.25	2,091.07	74.18	29.191		
6,950.00	6,779.98	6,504.07	6,391.71	32.08	23.80	-102.25	1,153.24	-93.33	2,166.43	2,092.52	73.91	29.312		
7,000.00	6,806.85	6,553.08	6,440.08	32.16	23.10	-100.97	1,154.91	-51.37	2,168.11	2,094.47	73.64	29.443		
7,050.00	6,830.38	6,601.09	6,487.47	32.24	22.38	-99.82	1,156.66	-7.42	2,170.13	2,096.77	73.36	29.583		
7,100.00	6,850.43	6,648.38	6,534.87	32.35	21.65	-98.81	1,158.48	38.25	2,172.38	2,099.29	73.09	29.722		
7,150.00	6,866.88	6,696.24	6,582.28	32.59	20.94	-97.93	1,160.35	85.36	2,174.73	2,101.87	72.86	29.847		
7,200.00	6,879.62	6,744.94	6,630.70	32.99	20.24	-97.21	1,162.27	133.61	2,177.10	2,104.44	72.66	29.962		
7,250.00	6,888.58	6,793.79	6,679.14	33.48	19.57	-96.64	1,164.22	182.72	2,179.40	2,106.87	72.53	30.048		
7,300.00	6,893.70	6,842.10	6,727.57	34.02	18.92	-96.25	1,166.20	232.37	2,181.56	2,109.13	72.43	30.118		
7,339.40	6,895.01	6,849.75	6,729.92	34.48	18.45	-96.06	1,167.76	271.69	2,183.15	2,110.74	72.41	30.150		
7,400.00	6,895.16	6,896.62	6,778.23	35.24	17.22	-93.85	1,168.04	604.29	2,182.10	2,112.41	69.70	31.309		
7,500.00	6,895.43	6,945.00	6,826.69	36.64	16.62	-86.98	1,138.86	854.70	2,168.93	2,097.62	71.31	30.416		
7,600.00	6,895.69	6,993.57	6,875.26	38.20	16.17	-84.75	1,127.88	891.19	2,154.95	2,084.85	70.10	30.741		
7,700.00	6,895.95	7,042.34	6,924.03	39.91	15.86	-83.26	1,120.23	907.95	2,144.13	2,072.68	71.45	30.008		
7,800.00	6,896.21	7,091.77	6,973.47	41.75	15.64	-82.38	1,115.63	915.28	2,137.42	2,064.36	73.07	29.253		
7,900.00	6,896.47	7,141.04	7,022.74	43.69	15.52	-81.80	1,112.60	919.09	2,135.14	2,060.30	74.84	28.529		
7,950.54	6,896.48	7,190.94	7,072.64	43.70	15.52	-81.80	1,112.59	919.11	2,135.14	2,060.29	74.85	28.526		
8,000.00	6,896.74	7,240.86	7,122.56	45.73	15.52	-81.40	1,110.45	921.33	2,137.40	2,060.70	76.70	27.865		
8,100.00	6,897.00	7,290.67	7,172.37	47.85	15.52	-81.10	1,108.86	922.74	2,144.24	2,065.63	78.61	27.276		
8,200.00	6,897.26	7,340.08	7,222.18	50.04	15.52	-80.87	1,107.63	923.70	2,155.66	2,075.13	80.53	26.769		
8,300.00	6,897.52	7,389.29	7,272.39	52.30	15.52	-80.69	1,106.65	924.37	2,171.59	2,089.17	82.42	26.348		
8,400.00	6,897.78	7,438.78	7,322.88	54.61	15.52	-80.54	1,105.85	924.87	2,191.94	2,107.68	84.26	26.014		
8,500.00	6,898.05	7,488.22	7,373.32	56.98	15.52	-80.42	1,105.19	925.24	2,216.60	2,130.57	86.03	25.765		
8,600.00	6,898.31	7,537.39	7,423.32	59.38	15.52	-80.32	1,104.63	925.53	2,245.44	2,157.72	87.72	25.597		
8,700.00	6,898.57	7,586.12	7,473.09	61.82	15.52	-80.23	1,104.16	925.75	2,278.29	2,188.97	89.32	25.506		
8,800.00	6,898.83	7,635.30	7,522.31	64.30	15.52	-80.16	1,103.75	925.94	2,314.99	2,224.17	90.82	25.490		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,667.85	6,528.89	66.81	32.52	-80.09	1,103.39	926.09	2,355.36	2,263.15	92.22	25.542		
9,000.00	6,899.36	6,665.69	6,526.75	69.34	32.51	-80.03	1,103.07	926.21	2,399.22	2,305.71	93.51	25.658		
9,100.00	6,899.62	6,650.00	6,511.25	71.90	32.45	-79.61	1,100.77	926.88	2,446.48	2,351.94	94.54	25.877		
9,200.00	6,899.88	6,650.00	6,511.25	74.48	32.45	-79.61	1,100.77	926.88	2,496.73	2,401.08	95.65	26.103		
9,300.00	6,900.14	6,650.00	6,511.25	77.08	32.45	-79.61	1,100.77	926.88	2,549.91	2,453.25	96.66	26.381		
9,400.00	6,900.41	6,650.00	6,511.25	79.70	32.45	-79.61	1,100.77	926.88	2,605.84	2,508.27	97.57	26.706		
9,500.00	6,900.67	6,650.00	6,511.25	82.33	32.45	-79.61	1,100.77	926.88	2,664.36	2,565.96	98.40	27.076		
9,600.00	6,900.93	6,650.00	6,511.25	84.97	32.45	-79.61	1,100.77	926.88	2,725.29	2,626.14	99.15	27.487		
9,700.00	6,901.19	6,650.00	6,511.25	87.63	32.45	-79.61	1,100.77	926.88	2,788.47	2,688.65	99.82	27.935		
9,800.00	6,901.45	6,650.00	6,511.25	90.31	32.45	-79.61	1,100.77	926.88	2,853.76	2,753.34	100.42	28.418		
9,900.00	6,901.72	6,650.00	6,511.25	92.99	32.45	-79.61	1,100.77	926.88	2,921.02	2,820.06	100.96	28.933		
10,000.00	6,901.98	6,650.00	6,511.25	95.68	32.45	-79.61	1,100.77	926.88	2,990.10	2,888.66	101.44	29.477		
10,100.00	6,902.24	6,650.00	6,511.25	98.38	32.45	-79.61	1,100.77	926.88	3,060.90	2,959.03	101.87	30.048		
10,200.00	6,902.50	6,650.00	6,511.25	101.09	32.45	-79.61	1,100.77	926.88	3,133.29	3,031.04	102.25	30.644		
10,300.00	6,902.76	6,650.00	6,511.25	103.81	32.45	-79.61	1,100.77	926.88	3,207.16	3,104.57	102.59	31.263		
10,400.00	6,903.03	6,650.00	6,511.25	106.53	32.45	-79.61	1,100.77	926.88	3,282.41	3,179.53	102.88	31.904		
10,500.00	6,903.29	6,650.00	6,511.25	109.26	32.45	-79.61	1,100.77	926.88	3,358.96	3,255.81	103.15	32.564		
10,600.00	6,903.55	6,650.00	6,511.25	112.00	32.45	-79.61	1,100.77	926.88	3,436.72	3,333.33	103.38	33.243		
10,700.00	6,903.81	6,650.00	6,511.25	114.75	32.45	-79.61	1,100.77	926.88	3,515.59	3,412.01	103.59	33.939		
10,800.00	6,904.08	6,650.00	6,511.25	117.49	32.45	-79.61	1,100.77	926.88	3,595.52	3,491.76	103.76	34.651		
10,900.00	6,904.34	6,650.00	6,511.25	120.25	32.45	-79.61	1,100.77	926.88	3,676.43	3,572.51	103.92	35.377		
11,000.00	6,904.60	6,650.00	6,511.25	123.00	32.45	-79.61	1,100.77	926.88	3,758.26	3,654.21	104.06	36.117		
11,100.00	6,904.86	6,650.00	6,511.25	125.77	32.45	-79.61	1,100.77	926.88	3,840.95	3,736.78	104.18	36.870		
11,200.00	6,905.12	6,650.00	6,511.25	128.53	32.45	-79.61	1,100.77	926.88	3,924.45	3,820.17	104.28	37.635		
11,300.00	6,905.39	6,650.00	6,511.25	131.30	32.45	-79.61	1,100.77	926.88	4,008.70	3,904.34	104.37	38.410		
11,400.00	6,905.65	6,650.00	6,511.25	134.08	32.45	-79.61	1,100.77	926.88	4,093.66	3,989.22	104.44	39.196		
11,500.00	6,905.91	6,650.00	6,511.25	136.85	32.45	-79.61	1,100.77	926.88	4,179.29	4,074.78	104.50	39.991		
11,600.00	6,906.17	6,650.00	6,511.25	139.63	32.45	-79.61	1,100.77	926.88	4,265.54	4,160.98	104.56	40.796		
11,700.00	6,906.43	6,650.00	6,511.25	142.42	32.45	-79.61	1,100.77	926.88	4,352.38	4,247.78	104.60	41.608		
11,800.00	6,906.70	6,650.00	6,511.25	145.20	32.45	-79.61	1,100.77	926.88	4,439.77	4,335.13	104.64	42.429		
11,900.00	6,906.96	6,650.00	6,511.25	147.99	32.45	-79.61	1,100.77	926.88	4,527.69	4,423.02	104.67	43.257		
12,000.00	6,907.22	6,650.00	6,511.25	150.78	32.45	-79.61	1,100.77	926.88	4,616.10	4,511.40	104.69	44.091		
12,100.00	6,907.48	6,650.00	6,511.25	153.57	32.45	-79.61	1,100.77	926.88	4,704.97	4,600.26	104.71	44.932		
12,200.00	6,907.74	6,650.00	6,511.25	156.37	32.45	-79.61	1,100.77	926.88	4,794.28	4,689.55	104.73	45.779		
12,300.00	6,908.01	6,650.00	6,511.25	159.17	32.45	-79.61	1,100.77	926.88	4,884.01	4,779.27	104.74	46.632		
12,400.00	6,908.27	6,650.00	6,511.25	161.97	32.45	-79.61	1,100.77	926.88	4,974.12	4,869.38	104.74	47.490		
12,500.00	6,908.53	6,650.00	6,511.25	164.77	32.45	-79.61	1,100.77	926.88	5,064.61	4,959.87	104.74	48.352		
12,600.00	6,908.79	6,650.00	6,511.25	167.57	32.45	-79.61	1,100.77	926.88	5,155.45	5,050.71	104.74	49.220		
12,700.00	6,909.06	6,650.00	6,511.25	170.38	32.45	-79.61	1,100.77	926.88	5,246.62	5,141.88	104.74	50.091		
12,800.00	6,909.32	6,650.00	6,511.25	173.18	32.45	-79.61	1,100.77	926.88	5,338.11	5,233.37	104.74	50.967		
12,900.00	6,909.58	6,650.00	6,511.25	175.99	32.45	-79.61	1,100.77	926.88	5,429.90	5,325.17	104.73	51.846		
13,000.00	6,909.84	6,650.00	6,511.25	178.80	32.45	-79.61	1,100.77	926.88	5,521.97	5,417.25	104.72	52.729		
13,100.00	6,910.10	6,650.00	6,511.25	181.61	32.45	-79.61	1,100.77	926.88	5,614.32	5,509.60	104.71	53.615		
13,200.00	6,910.37	6,650.00	6,511.25	184.42	32.45	-79.61	1,100.77	926.88	5,706.92	5,602.22	104.71	54.505		
13,300.00	6,910.63	6,650.00	6,511.25	187.24	32.45	-79.61	1,100.77	926.88	5,799.77	5,695.08	104.69	55.397		
13,400.00	6,910.89	6,650.00	6,511.25	190.05	32.45	-79.61	1,100.77	926.88	5,892.85	5,788.17	104.68	56.292		
13,500.00	6,911.15	6,650.00	6,511.25	192.87	32.45	-79.61	1,100.77	926.88	5,986.16	5,881.49	104.67	57.189		
13,600.00	6,911.41	6,650.00	6,511.25	195.68	32.45	-79.61	1,100.77	926.88	6,079.68	5,975.02	104.66	58.089		
13,700.00	6,911.68	6,650.00	6,511.25	198.50	32.45	-79.61	1,100.77	926.88	6,173.40	6,068.75	104.65	58.991		
13,800.00	6,911.94	6,650.00	6,511.25	201.32	32.45	-79.61	1,100.77	926.88	6,267.32	6,162.68	104.64	59.895		
13,900.00	6,912.20	6,650.00	6,511.25	204.14	32.45	-79.61	1,100.77	926.88	6,361.42	6,256.79	104.63	60.801		
14,000.00	6,912.46	6,650.00	6,511.25	206.96	32.45	-79.61	1,100.77	926.88	6,455.70	6,351.08	104.62	61.708		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	6,650.00	6,511.25	209.78	32.45	-79.61	1,100.77	926.88	6,550.14	6,445.54	104.61	62.618		
14,200.00	6,912.99	6,650.00	6,511.25	212.61	32.45	-79.61	1,100.77	926.88	6,644.76	6,540.16	104.59	63.529		
14,300.00	6,913.25	6,650.00	6,511.25	215.43	32.45	-79.61	1,100.77	926.88	6,739.52	6,634.94	104.58	64.441		
14,400.00	6,913.51	6,650.00	6,511.25	218.26	32.45	-79.61	1,100.77	926.88	6,834.44	6,729.86	104.58	65.354		
14,500.00	6,913.77	6,650.00	6,511.25	221.08	32.45	-79.61	1,100.77	926.88	6,929.50	6,824.93	104.57	66.269		
14,600.00	6,914.04	6,650.00	6,511.25	223.91	32.45	-79.61	1,100.77	926.88	7,024.69	6,920.13	104.56	67.185		
14,700.00	6,914.30	6,650.00	6,511.25	226.73	32.45	-79.61	1,100.77	926.88	7,120.02	7,015.47	104.55	68.101		
14,800.00	6,914.56	6,650.00	6,511.25	229.56	32.45	-79.61	1,100.77	926.88	7,215.47	7,110.93	104.54	69.019		
14,900.00	6,914.82	6,650.00	6,511.25	232.39	32.45	-79.61	1,100.77	926.88	7,311.05	7,206.51	104.54	69.937		
15,000.00	6,915.08	6,650.00	6,511.25	235.22	32.45	-79.61	1,100.77	926.88	7,406.74	7,302.21	104.53	70.856		
15,100.00	6,915.35	6,650.00	6,511.25	238.05	32.45	-79.61	1,100.77	926.88	7,502.55	7,398.02	104.53	71.776		
15,200.00	6,915.61	6,650.00	6,511.25	240.88	32.45	-79.61	1,100.77	926.88	7,598.46	7,493.94	104.52	72.696		
15,300.00	6,915.87	6,650.00	6,511.25	243.71	32.45	-79.61	1,100.77	926.88	7,694.48	7,589.96	104.52	73.617		
15,400.00	6,916.13	6,650.00	6,511.25	246.54	32.45	-79.61	1,100.77	926.88	7,790.59	7,686.08	104.52	74.538		
15,500.00	6,916.39	6,650.00	6,511.25	249.37	32.45	-79.61	1,100.77	926.88	7,886.81	7,782.29	104.52	75.459		
15,600.00	6,916.66	6,650.00	6,511.25	252.20	32.45	-79.61	1,100.77	926.88	7,983.12	7,878.60	104.52	76.381		
15,700.00	6,916.92	6,650.00	6,511.25	255.03	32.45	-79.61	1,100.77	926.88	8,079.51	7,974.99	104.52	77.302		
15,800.00	6,917.18	6,650.00	6,511.25	257.87	32.45	-79.61	1,100.77	926.88	8,175.99	8,071.48	104.52	78.224		
15,900.00	6,917.44	6,650.00	6,511.25	260.70	32.45	-79.61	1,100.77	926.88	8,272.56	8,168.04	104.52	79.146		
16,000.00	6,917.70	6,650.00	6,511.25	263.53	32.45	-79.61	1,100.77	926.88	8,369.21	8,264.68	104.53	80.069		
16,100.00	6,917.97	6,650.00	6,511.25	266.37	32.45	-79.61	1,100.77	926.88	8,465.93	8,361.40	104.53	80.991		
16,200.00	6,918.23	6,650.00	6,511.25	269.20	32.45	-79.61	1,100.77	926.88	8,562.73	8,458.20	104.54	81.913		
16,300.00	6,918.49	6,650.00	6,511.25	272.04	32.45	-79.61	1,100.77	926.88	8,659.61	8,555.07	104.54	82.834		
16,400.00	6,918.75	6,650.00	6,511.25	274.87	32.45	-79.61	1,100.77	926.88	8,756.55	8,652.00	104.55	83.756		
16,500.00	6,919.02	6,650.00	6,511.25	277.71	32.45	-79.61	1,100.77	926.88	8,853.56	8,749.01	104.56	84.677		
16,600.00	6,919.28	6,650.00	6,511.25	280.55	32.45	-79.61	1,100.77	926.88	8,950.64	8,846.07	104.57	85.599		
16,700.00	6,919.54	6,650.00	6,511.25	283.38	32.45	-79.61	1,100.77	926.88	9,047.78	8,943.21	104.58	86.519		
16,800.00	6,919.80	6,650.00	6,511.25	286.22	32.45	-79.61	1,100.77	926.88	9,144.98	9,040.40	104.59	87.440		
16,900.00	6,920.06	6,650.00	6,511.25	289.06	32.45	-79.61	1,100.77	926.88	9,242.25	9,137.65	104.60	88.360		
17,000.00	6,920.33	6,650.00	6,511.25	291.90	32.45	-79.61	1,100.77	926.88	9,339.57	9,234.95	104.61	89.280		
17,100.00	6,920.59	6,650.00	6,511.25	294.73	32.45	-79.61	1,100.77	926.88	9,436.94	9,332.32	104.62	90.199		
17,200.00	6,920.85	6,650.00	6,511.25	297.57	32.45	-79.61	1,100.77	926.88	9,534.37	9,429.73	104.64	91.117		
17,300.00	6,921.11	6,650.00	6,511.25	300.41	32.45	-79.61	1,100.77	926.88	9,631.85	9,527.20	104.65	92.035		
17,400.00	6,921.37	6,650.00	6,511.25	303.25	32.45	-79.61	1,100.77	926.88	9,729.39	9,624.72	104.67	92.953		
17,500.00	6,921.64	6,650.00	6,511.25	306.09	32.45	-79.61	1,100.77	926.88	9,826.97	9,722.29	104.69	93.870		
17,600.00	6,921.90	6,650.00	6,511.25	308.93	32.45	-79.61	1,100.77	926.88	9,924.60	9,819.90	104.71	94.786		
17,638.91	6,922.00	6,650.00	6,511.25	310.03	32.45	-79.61	1,100.77	926.88	9,962.60	9,857.89	104.71	95.142		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	179.24	17.54	180.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	179.24	17.54	180.09	173.52	6.57	27.414		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	179.24	17.54	180.09	173.42	6.67	26.984 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	168.74	179.24	17.54	181.80	174.92	6.89	26.406		
400.00	399.84	394.19	394.18	3.59	3.59	169.20	180.57	18.31	188.44	181.24	7.20	26.190 SF		
500.00	499.45	487.45	487.32	3.79	3.78	170.13	184.54	20.62	201.50	193.90	7.60	26.502		
600.00	598.70	579.39	578.95	4.04	4.00	171.36	190.99	24.40	220.96	212.87	8.09	27.324		
660.50	658.52	634.35	633.60	4.20	4.15	172.23	195.91	27.56	235.71	227.30	8.41	28.027		
700.00	697.51	669.84	668.82	4.31	4.25	172.85	199.49	29.99	246.28	237.65	8.63	28.548		
800.00	796.22	758.60	756.66	4.63	4.51	174.44	209.81	37.39	274.91	265.72	9.19	29.913		
900.00	894.93	845.67	842.42	4.98	4.79	176.00	221.83	46.49	306.22	296.44	9.78	31.301		
1,000.00	993.64	930.97	925.94	5.34	5.08	177.49	235.41	57.15	340.22	329.83	10.39	32.751		
1,100.00	1,092.35	1,014.38	1,007.10	5.73	5.39	178.89	250.42	69.25	376.84	365.83	11.01	34.235		
1,200.00	1,191.06	1,103.14	1,092.98	6.13	5.73	-179.73	267.75	83.46	415.48	403.82	11.66	35.634		
1,300.00	1,289.78	1,205.14	1,181.70	6.54	6.15	-178.54	285.74	98.23	454.42	442.03	12.39	36.680		
1,400.00	1,388.49	1,286.59	1,270.42	6.95	6.50	-177.53	303.74	112.99	493.51	480.45	13.06	37.791		
1,500.00	1,487.20	1,378.31	1,359.14	7.38	6.90	-176.68	321.73	127.76	532.70	518.91	13.79	38.634		
1,600.00	1,585.91	1,470.04	1,447.87	7.81	7.31	-175.93	339.73	142.52	571.98	557.45	14.53	39.355		
1,700.00	1,684.62	1,561.76	1,536.59	8.25	7.73	-175.29	357.72	157.29	611.33	596.04	15.29	39.973		
1,800.00	1,783.33	1,653.49	1,625.31	8.70	8.15	-174.72	375.71	172.05	650.74	634.68	16.07	40.507		
1,900.00	1,882.04	1,745.22	1,714.04	9.15	8.59	-174.21	393.71	186.82	690.20	673.36	16.85	40.969		
2,000.00	1,980.75	1,836.94	1,802.76	9.60	9.02	-173.77	411.70	201.58	729.70	712.07	17.64	41.372		
2,100.00	2,079.46	1,928.67	1,891.48	10.05	9.46	-173.36	429.69	216.35	769.24	750.80	18.44	41.724		
2,200.00	2,178.17	2,020.39	1,980.20	10.51	9.91	-173.00	447.69	231.11	808.80	789.56	19.24	42.033		
2,300.00	2,276.88	2,112.12	2,068.93	10.97	10.35	-172.67	465.68	245.87	848.39	828.33	20.05	42.306		
2,400.00	2,375.59	2,203.84	2,157.65	11.43	10.80	-172.37	483.68	260.64	888.00	867.13	20.87	42.547		
2,500.00	2,474.31	2,304.43	2,246.37	11.89	11.30	-172.09	501.67	275.40	927.63	905.89	21.73	42.681		
2,600.00	2,573.02	2,387.29	2,335.10	12.36	11.71	-171.84	519.66	290.17	967.27	944.75	22.52	42.954		
2,700.00	2,671.73	2,479.02	2,423.82	12.82	12.17	-171.61	537.66	304.93	1,006.93	983.58	23.35	43.126		
2,800.00	2,770.44	2,570.74	2,512.54	13.29	12.62	-171.39	555.65	319.70	1,046.60	1,022.42	24.18	43.280		
2,900.00	2,869.15	2,662.47	2,601.27	13.76	13.08	-171.19	573.65	334.46	1,086.29	1,061.27	25.02	43.419		
3,000.00	2,967.86	2,754.19	2,689.99	14.23	13.55	-171.01	591.64	349.23	1,125.98	1,100.12	25.86	43.545		
3,100.00	3,066.57	2,845.92	2,778.71	14.70	14.01	-170.83	609.63	363.99	1,165.69	1,138.99	26.70	43.659		
3,200.00	3,165.28	2,937.64	2,867.43	15.17	14.47	-170.67	627.63	378.76	1,205.40	1,177.85	27.54	43.763		
3,300.00	3,263.99	3,029.37	2,956.16	15.64	14.94	-170.52	645.62	393.52	1,245.12	1,216.73	28.39	43.858		
3,400.00	3,362.70	3,121.09	3,044.88	16.11	15.40	-170.38	663.62	408.28	1,284.84	1,255.61	29.24	43.944		
3,500.00	3,461.41	3,212.82	3,133.60	16.59	15.87	-170.24	681.61	423.05	1,324.58	1,294.49	30.09	44.024		
3,600.00	3,560.12	3,304.55	3,222.33	17.06	16.33	-170.12	699.60	437.81	1,364.32	1,333.38	30.94	44.096		
3,700.00	3,658.84	3,403.73	3,311.05	17.53	16.84	-170.00	717.60	452.58	1,404.06	1,372.23	31.83	44.114		
3,800.00	3,757.55	3,488.00	3,399.77	18.01	17.27	-169.89	735.59	467.34	1,443.81	1,411.16	32.65	44.225		
3,900.00	3,856.26	3,579.72	3,488.49	18.48	17.74	-169.78	753.59	482.11	1,483.56	1,450.06	33.50	44.282		
4,000.00	3,954.97	3,671.45	3,577.22	18.96	18.21	-169.68	771.58	496.87	1,523.32	1,488.96	34.36	44.335		
4,100.00	4,053.68	3,763.17	3,665.94	19.44	18.68	-169.59	789.57	511.64	1,563.08	1,527.86	35.22	44.384		
4,200.00	4,152.39	3,854.90	3,754.66	19.91	19.15	-169.50	807.57	526.40	1,602.84	1,566.77	36.08	44.429		
4,300.00	4,251.10	3,946.62	3,843.39	20.39	19.62	-169.41	825.56	541.17	1,642.61	1,605.67	36.94	44.471		
4,400.00	4,349.81	4,038.35	3,932.11	20.87	20.09	-169.33	843.55	555.93	1,682.38	1,644.58	37.80	44.510		
4,500.00	4,448.52	4,130.07	4,020.83	21.34	20.56	-169.25	861.55	570.69	1,722.15	1,683.49	38.66	44.547		
4,600.00	4,547.23	4,221.80	4,109.56	21.82	21.04	-169.17	879.54	585.46	1,761.93	1,722.41	39.52	44.581		
4,700.00	4,645.94	4,313.52	4,198.28	22.30	21.51	-169.10	897.54	600.22	1,801.71	1,761.32	40.39	44.613		
4,800.00	4,744.65	4,405.25	4,287.00	22.78	21.98	-169.03	915.53	614.99	1,841.49	1,800.24	41.25	44.643		
4,900.00	4,843.37	4,503.03	4,375.72	23.26	22.48	-168.97	933.52	629.75	1,881.27	1,839.13	42.14	44.639		
5,000.00	4,942.08	4,588.70	4,464.45	23.74	22.93	-168.91	951.52	644.52	1,921.05	1,878.07	42.98	44.697		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,680.43	4,553.17	24.21	23.40	-168.85	969.51	659.28	1,960.84	1,916.99	43.85	44.721		
5,200.00	5,139.50	4,772.15	4,641.89	24.69	23.87	-168.79	987.51	674.05	2,000.63	1,955.92	44.71	44.744		
5,300.00	5,238.21	4,863.88	4,730.62	25.17	24.35	-168.73	1,005.50	688.81	2,040.42	1,994.84	45.58	44.766		
5,400.00	5,336.92	4,955.60	4,819.34	25.65	24.82	-168.68	1,023.49	703.58	2,080.21	2,033.76	46.45	44.786		
5,500.00	5,435.63	5,047.33	4,908.06	26.13	25.30	-168.63	1,041.49	718.34	2,120.00	2,072.69	47.32	44.805		
5,600.00	5,534.34	5,139.05	4,996.78	26.61	25.77	-168.58	1,059.48	733.11	2,159.80	2,111.61	48.19	44.823		
5,700.00	5,633.05	5,230.78	5,085.51	27.09	26.25	-168.53	1,077.48	747.87	2,199.59	2,150.54	49.05	44.840		
5,800.00	5,731.76	5,322.50	5,174.23	27.57	26.72	-168.48	1,095.47	762.63	2,239.39	2,189.47	49.92	44.856		
5,900.00	5,830.47	5,414.23	5,262.95	28.05	27.20	-168.44	1,113.46	777.40	2,279.19	2,228.39	50.79	44.871		
6,000.00	5,929.18	5,505.95	5,351.68	28.53	27.67	-168.40	1,131.46	792.16	2,318.99	2,267.32	51.67	44.885		
6,100.00	6,027.90	5,597.68	5,440.40	29.01	28.15	-168.36	1,149.45	806.93	2,358.79	2,306.25	52.54	44.898		
6,200.00	6,126.61	5,689.40	5,529.12	29.49	28.62	-168.32	1,167.44	821.69	2,398.59	2,345.18	53.41	44.911		
6,300.00	6,225.32	5,781.12	5,617.84	29.97	29.09	-168.28	1,185.43	836.45	2,438.39	2,384.98	54.28	44.924		
6,311.21	6,236.38	5,792.18	5,628.90	30.03	29.15	-168.27	1,187.21	838.23	2,440.17	2,386.76	54.46	44.926		
6,350.00	6,274.70	5,829.50	5,666.22	30.21	29.33	-168.25	1,189.00	840.02	2,442.00	2,388.60	54.64	44.928		
6,400.00	6,324.03	5,878.83	5,715.55	30.43	29.55	-152.37	1,189.31	840.33	2,442.31	2,388.91	54.67	44.929		
6,450.00	6,373.00	5,927.80	5,764.52	30.65	29.77	-135.73	1,189.62	840.64	2,442.62	2,389.22	54.70	44.930		
6,500.00	6,421.31	5,976.71	5,813.43	30.84	29.96	-125.56	1,190.11	841.13	2,443.11	2,389.71	54.75	44.933		
6,550.00	6,469.66	6,025.56	5,862.28	31.03	30.15	-118.99	1,190.77	841.79	2,443.77	2,390.37	54.81	44.936		
6,600.00	6,514.76	6,070.66	5,907.38	31.20	30.32	-114.38	1,191.60	842.62	2,444.60	2,391.20	54.88	44.939		
6,613.72	6,527.15	6,083.05	5,919.77	31.25	30.37	-113.33	1,191.86	842.88	2,444.86	2,391.46	54.90	44.940		
6,650.00	6,559.32	6,115.22	5,951.84	31.37	30.49	-110.87	1,192.60	843.62	2,445.60	2,392.20	54.95	44.943		
6,700.00	6,602.08	6,157.98	5,994.60	31.52	30.64	-108.03	1,193.76	844.78	2,446.76	2,393.36	55.01	44.946		
6,750.00	6,642.77	6,200.67	6,037.29	31.65	30.77	-105.61	1,195.07	846.09	2,448.07	2,394.67	55.08	44.949		
6,800.00	6,681.13	6,242.03	6,078.65	31.78	30.90	-103.47	1,196.53	847.55	2,449.53	2,396.13	55.15	44.952		
6,850.00	6,716.93	6,283.25	6,119.87	31.89	31.01	-101.55	1,198.12	849.14	2,451.12	2,397.72	55.23	44.955		
6,900.00	6,749.95	6,324.47	6,161.09	31.99	31.11	-99.79	1,199.84	850.86	2,452.84	2,399.44	55.31	44.958		
6,950.00	6,779.98	6,365.70	6,202.32	32.08	31.20	-98.18	1,401.67	852.69	2,454.67	2,401.27	55.39	44.961		
7,000.00	6,806.85	6,406.93	6,243.55	32.16	31.28	-96.72	1,403.61	854.63	2,456.61	2,403.21	55.47	44.964		
7,050.00	6,830.38	6,447.46	6,284.08	32.24	31.36	-95.42	1,405.64	856.66	2,458.64	2,405.24	55.55	44.967		
7,100.00	6,850.43	6,487.51	6,324.13	32.35	31.47	-94.26	1,407.75	858.81	2,460.75	2,407.35	55.63	44.970		
7,150.00	6,866.88	6,528.06	6,364.18	32.59	31.63	-93.28	1,409.92	861.05	2,462.92	2,409.52	55.71	44.973		
7,200.00	6,879.62	6,568.30	6,404.42	32.99	31.91	-92.47	1,412.15	863.39	2,465.15	2,411.75	55.79	44.976		
7,250.00	6,888.58	6,577.26	6,413.38	33.48	32.40	-91.84	1,414.42	865.74	2,467.42	2,414.02	55.87	44.979		
7,300.00	6,893.70	6,586.38	6,422.50	34.02	32.94	-91.39	1,416.71	868.11	2,469.71	2,416.31	55.95	44.982		
7,339.40	6,895.01	6,587.69	6,423.81	34.48	33.40	-91.18	1,418.53	870.93	2,471.53	2,418.13	56.03	44.984		
7,400.00	6,895.16	6,587.84	6,423.96	35.24	33.79	-91.13	1,423.00	875.40	2,476.00	2,422.60	56.48	44.989		
7,500.00	6,895.43	6,588.11	6,424.23	36.64	34.74	-87.35	1,408.68	879.92	2,461.28	2,417.78	56.93	44.994		
7,600.00	6,895.69	6,588.37	6,424.49	38.20	33.99	-83.72	1,384.79	855.47	2,411.71	2,341.21	70.50	34.207		
7,700.00	6,895.95	6,588.63	6,424.75	39.91	33.67	-81.63	1,369.92	848.32	2,402.91	2,331.35	71.56	33.579		
7,800.00	6,896.21	6,588.89	6,425.01	41.75	33.48	-80.39	1,360.74	841.57	2,397.07	2,324.07	72.99	32.839		
7,900.00	6,896.47	6,589.15	6,425.27	43.69	33.36	-79.58	1,354.67	835.40	2,394.85	2,320.20	74.65	32.080		
7,907.72	6,896.49	6,589.17	6,425.29	43.85	33.36	-79.53	1,354.28	835.01	2,394.46	2,320.05	74.79	32.021		
8,000.00	6,896.74	6,589.42	6,425.54	45.73	33.48	-79.02	1,350.39	831.07	2,390.52	2,320.07	76.45	31.348		
8,100.00	6,897.00	6,589.68	6,425.80	47.85	33.22	-78.61	1,347.23	827.91	2,402.18	2,323.85	78.33	30.669		
8,200.00	6,897.26	6,589.94	6,426.06	50.04	33.18	-78.33	1,345.05	825.73	2,411.87	2,331.61	80.26	30.051		
8,300.00	6,897.52	6,590.20	6,426.32	52.30	33.13	-78.05	1,342.90	823.55	2,425.57	2,343.40	82.17	29.519		
8,400.00	6,897.78	6,590.46	6,426.58	54.61	33.10	-77.85	1,341.35	821.90	2,443.24	2,359.17	84.08	29.060		
8,500.00	6,898.05	6,590.72	6,426.84	56.98	33.08	-77.69	1,340.07	820.62	2,464.81	2,378.87	85.94	28.680		
8,600.00	6,898.31	6,591.00	6,427.10	59.38	33.05	-77.55	1,338.99	819.54	2,490.18	2,402.43	87.75	28.377		
8,700.00	6,898.57	6,591.26	6,427.36	61.82	33.04	-77.43	1,338.08	818.63	2,519.25	2,429.75	89.50	28.149		
8,800.00	6,898.83	6,591.52	6,427.62	64.30	32.99	-77.14	1,335.78	816.33	2,551.91	2,460.84	91.07	28.021		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,550.00	6,363.16	66.81	32.99	-77.14	1,335.78	942.12	2,587.98	2,495.28	92.69	27.920		
9,000.00	6,899.36	6,550.00	6,363.16	69.34	32.99	-77.14	1,335.78	942.12	2,627.35	2,533.13	94.22	27.886		
9,100.00	6,899.62	6,550.00	6,363.16	71.90	32.99	-77.14	1,335.78	942.12	2,669.89	2,574.24	95.65	27.913		
9,200.00	6,899.88	6,550.00	6,363.16	74.48	32.99	-77.14	1,335.78	942.12	2,715.45	2,618.46	96.99	27.998		
9,300.00	6,900.14	6,550.00	6,363.16	77.08	32.99	-77.14	1,335.78	942.12	2,763.88	2,665.65	98.23	28.137		
9,400.00	6,900.41	6,550.00	6,363.16	79.70	32.99	-77.14	1,335.78	942.12	2,815.03	2,715.64	99.38	28.325		
9,500.00	6,900.67	6,550.00	6,363.16	82.33	32.99	-77.14	1,335.78	942.12	2,868.75	2,768.30	100.45	28.559		
9,600.00	6,900.93	6,550.00	6,363.16	84.97	32.99	-77.14	1,335.78	942.12	2,924.91	2,823.48	101.43	28.837		
9,700.00	6,901.19	6,550.00	6,363.16	87.63	32.99	-77.14	1,335.78	942.12	2,983.36	2,881.03	102.33	29.154		
9,800.00	6,901.45	6,550.00	6,363.16	90.31	32.99	-77.14	1,335.78	942.12	3,043.97	2,940.81	103.16	29.507		
9,900.00	6,901.72	6,550.00	6,363.16	92.99	32.99	-77.14	1,335.78	942.12	3,106.63	3,002.71	103.92	29.895		
10,000.00	6,901.98	6,550.00	6,363.16	95.68	32.99	-77.14	1,335.78	942.12	3,171.19	3,066.58	104.61	30.314		
10,100.00	6,902.24	6,531.48	6,345.02	98.38	32.91	-76.70	1,332.29	943.28	3,237.34	3,132.30	105.03	30.822		
10,200.00	6,902.50	6,530.46	6,344.01	101.09	32.91	-76.67	1,332.09	943.33	3,305.37	3,199.77	105.60	31.301		
10,300.00	6,902.76	6,529.50	6,343.07	103.81	32.91	-76.65	1,331.91	943.37	3,375.00	3,268.88	106.12	31.805		
10,400.00	6,903.03	6,528.60	6,342.19	106.53	32.90	-76.63	1,331.74	943.41	3,446.12	3,339.53	106.58	32.333		
10,500.00	6,903.29	6,527.77	6,341.37	109.26	32.90	-76.61	1,331.58	943.45	3,518.64	3,411.63	107.01	32.882		
10,600.00	6,903.55	6,526.98	6,340.60	112.00	32.90	-76.59	1,331.43	943.48	3,592.48	3,485.09	107.39	33.452		
10,700.00	6,903.81	6,526.25	6,339.88	114.75	32.89	-76.57	1,331.29	943.51	3,667.56	3,559.82	107.74	34.040		
10,800.00	6,904.08	6,525.55	6,339.20	117.49	32.89	-76.56	1,331.16	943.54	3,743.81	3,635.75	108.06	34.646		
10,900.00	6,904.34	6,524.90	6,338.56	120.25	32.89	-76.54	1,331.04	943.56	3,821.15	3,712.80	108.34	35.269		
11,000.00	6,904.60	6,524.28	6,337.95	123.00	32.88	-76.53	1,330.92	943.59	3,899.52	3,790.91	108.60	35.906		
11,100.00	6,904.86	6,523.70	6,337.38	125.77	32.88	-76.51	1,330.81	943.61	3,978.86	3,870.02	108.84	36.558		
11,200.00	6,905.12	6,523.14	6,336.83	128.53	32.88	-76.50	1,330.70	943.63	4,059.11	3,950.06	109.05	37.223		
11,300.00	6,905.39	6,522.62	6,336.32	131.30	32.88	-76.49	1,330.60	943.65	4,140.22	4,030.98	109.24	37.901		
11,400.00	6,905.65	6,522.12	6,335.83	134.08	32.88	-76.48	1,330.51	943.66	4,222.14	4,112.73	109.41	38.591		
11,500.00	6,905.91	6,521.64	6,335.36	136.85	32.87	-76.46	1,330.42	943.68	4,304.83	4,195.27	109.56	39.291		
11,600.00	6,906.17	6,521.19	6,334.92	139.63	32.87	-76.45	1,330.33	943.69	4,388.23	4,278.53	109.70	40.002		
11,700.00	6,906.43	6,520.76	6,334.49	142.42	32.87	-76.44	1,330.25	943.71	4,472.32	4,362.50	109.82	40.722		
11,800.00	6,906.70	6,500.00	6,314.12	145.20	32.78	-75.95	1,326.28	944.02	4,557.36	4,447.65	109.71	41.539		
11,900.00	6,906.96	6,500.00	6,314.12	147.99	32.78	-75.95	1,326.28	944.02	4,642.69	4,532.87	109.82	42.276		
12,000.00	6,907.22	6,500.00	6,314.12	150.78	32.78	-75.95	1,326.28	944.02	4,728.59	4,618.68	109.91	43.021		
12,100.00	6,907.48	6,500.00	6,314.12	153.57	32.78	-75.95	1,326.28	944.02	4,815.03	4,705.04	110.00	43.774		
12,200.00	6,907.74	6,500.00	6,314.12	156.37	32.78	-75.95	1,326.28	944.02	4,902.00	4,791.92	110.07	44.534		
12,300.00	6,908.01	6,500.00	6,314.12	159.17	32.78	-75.95	1,326.28	944.02	4,989.44	4,879.30	110.14	45.301		
12,400.00	6,908.27	6,500.00	6,314.12	161.97	32.78	-75.95	1,326.28	944.02	5,077.36	4,967.16	110.20	46.073		
12,500.00	6,908.53	6,500.00	6,314.12	164.77	32.78	-75.95	1,326.28	944.02	5,165.71	5,055.45	110.26	46.852		
12,600.00	6,908.79	6,500.00	6,314.12	167.57	32.78	-75.95	1,326.28	944.02	5,254.48	5,144.18	110.30	47.636		
12,700.00	6,909.06	6,500.00	6,314.12	170.38	32.78	-75.95	1,326.28	944.02	5,343.65	5,233.30	110.35	48.426		
12,800.00	6,909.32	6,500.00	6,314.12	173.18	32.78	-75.95	1,326.28	944.02	5,433.19	5,322.81	110.38	49.221		
12,900.00	6,909.58	6,500.00	6,314.12	175.99	32.78	-75.95	1,326.28	944.02	5,523.09	5,412.67	110.42	50.020		
13,000.00	6,909.84	6,500.00	6,314.12	178.80	32.78	-75.95	1,326.28	944.02	5,613.34	5,502.89	110.45	50.823		
13,100.00	6,910.10	6,500.00	6,314.12	181.61	32.78	-75.95	1,326.28	944.02	5,703.91	5,593.43	110.47	51.631		
13,200.00	6,910.37	6,500.00	6,314.12	184.42	32.78	-75.95	1,326.28	944.02	5,794.79	5,684.29	110.50	52.443		
13,300.00	6,910.63	6,500.00	6,314.12	187.24	32.78	-75.95	1,326.28	944.02	5,885.96	5,775.44	110.52	53.258		
13,400.00	6,910.89	6,500.00	6,314.12	190.05	32.78	-75.95	1,326.28	944.02	5,977.42	5,866.88	110.54	54.077		
13,500.00	6,911.15	6,500.00	6,314.12	192.87	32.78	-75.95	1,326.28	944.02	6,069.15	5,958.59	110.55	54.899		
13,600.00	6,911.41	6,500.00	6,314.12	195.68	32.78	-75.95	1,326.28	944.02	6,161.13	6,050.57	110.57	55.724		
13,700.00	6,911.68	6,500.00	6,314.12	198.50	32.78	-75.95	1,326.28	944.02	6,253.36	6,142.78	110.58	56.551		
13,800.00	6,911.94	6,500.00	6,314.12	201.32	32.78	-75.95	1,326.28	944.02	6,345.83	6,235.24	110.59	57.382		
13,900.00	6,912.20	6,500.00	6,314.12	204.14	32.78	-75.95	1,326.28	944.02	6,438.52	6,327.92	110.60	58.215		
14,000.00	6,912.46	6,500.00	6,314.12	206.96	32.78	-75.95	1,326.28	944.02	6,531.43	6,420.82	110.61	59.051		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	6,500.00	6,314.12	209.78	32.78	-75.95	1,326.28	944.02	6,624.54	6,513.93	110.61	59.889		
14,200.00	6,912.99	6,500.00	6,314.12	212.61	32.78	-75.95	1,326.28	944.02	6,717.85	6,607.23	110.62	60.729		
14,300.00	6,913.25	6,500.00	6,314.12	215.43	32.78	-75.95	1,326.28	944.02	6,811.35	6,700.73	110.63	61.571		
14,400.00	6,913.51	6,500.00	6,314.12	218.26	32.78	-75.95	1,326.28	944.02	6,905.04	6,794.41	110.63	62.415		
14,500.00	6,913.77	6,500.00	6,314.12	221.08	32.78	-75.95	1,326.28	944.02	6,998.90	6,888.26	110.64	63.260		
14,600.00	6,914.04	6,500.00	6,314.12	223.91	32.78	-75.95	1,326.28	944.02	7,092.92	6,982.28	110.64	64.108		
14,700.00	6,914.30	6,500.00	6,314.12	226.73	32.78	-75.95	1,326.28	944.02	7,187.11	7,076.46	110.65	64.956		
14,800.00	6,914.56	6,500.00	6,314.12	229.56	32.78	-75.95	1,326.28	944.02	7,281.45	7,170.80	110.65	65.807		
14,900.00	6,914.82	6,500.00	6,314.12	232.39	32.78	-75.95	1,326.28	944.02	7,375.94	7,265.29	110.65	66.658		
15,000.00	6,915.08	6,500.00	6,314.12	235.22	32.78	-75.95	1,326.28	944.02	7,470.58	7,359.92	110.66	67.511		
15,100.00	6,915.35	6,500.00	6,314.12	238.05	32.78	-75.95	1,326.28	944.02	7,565.35	7,454.69	110.66	68.365		
15,200.00	6,915.61	6,500.00	6,314.12	240.88	32.78	-75.95	1,326.28	944.02	7,660.26	7,549.59	110.67	69.220		
15,300.00	6,915.87	6,500.00	6,314.12	243.71	32.78	-75.95	1,326.28	944.02	7,755.29	7,644.62	110.67	70.076		
15,400.00	6,916.13	6,500.00	6,314.12	246.54	32.78	-75.95	1,326.28	944.02	7,850.45	7,739.77	110.68	70.932		
15,500.00	6,916.39	6,500.00	6,314.12	249.37	32.78	-75.95	1,326.28	944.02	7,945.72	7,835.04	110.68	71.790		
15,600.00	6,916.66	6,500.00	6,314.12	252.20	32.78	-75.95	1,326.28	944.02	8,041.11	7,930.43	110.69	72.648		
15,700.00	6,916.92	6,500.00	6,314.12	255.03	32.78	-75.95	1,326.28	944.02	8,136.62	8,025.92	110.69	73.507		
15,800.00	6,917.18	6,500.00	6,314.12	257.87	32.78	-75.95	1,326.28	944.02	8,232.22	8,121.53	110.70	74.367		
15,900.00	6,917.44	6,500.00	6,314.12	260.70	32.78	-75.95	1,326.28	944.02	8,327.94	8,217.23	110.70	75.227		
16,000.00	6,917.70	6,500.00	6,314.12	263.53	32.78	-75.95	1,326.28	944.02	8,423.75	8,313.04	110.71	76.088		
16,100.00	6,917.97	6,500.00	6,314.12	266.37	32.78	-75.95	1,326.28	944.02	8,519.65	8,408.94	110.72	76.949		
16,200.00	6,918.23	6,500.00	6,314.12	269.20	32.78	-75.95	1,326.28	944.02	8,615.66	8,504.93	110.73	77.810		
16,300.00	6,918.49	6,500.00	6,314.12	272.04	32.78	-75.95	1,326.28	944.02	8,711.75	8,601.01	110.73	78.672		
16,400.00	6,918.75	6,500.00	6,314.12	274.87	32.78	-75.95	1,326.28	944.02	8,807.92	8,697.18	110.74	79.534		
16,500.00	6,919.02	6,500.00	6,314.12	277.71	32.78	-75.95	1,326.28	944.02	8,904.19	8,793.43	110.75	80.396		
16,600.00	6,919.28	6,500.00	6,314.12	280.55	32.78	-75.95	1,326.28	944.02	9,000.53	8,889.76	110.76	81.259		
16,700.00	6,919.54	6,500.00	6,314.12	283.38	32.78	-75.95	1,326.28	944.02	9,096.95	8,986.18	110.77	82.121		
16,800.00	6,919.80	6,500.00	6,314.12	286.22	32.78	-75.95	1,326.28	944.02	9,193.45	9,082.66	110.79	82.984		
16,900.00	6,920.06	6,500.00	6,314.12	289.06	32.78	-75.95	1,326.28	944.02	9,290.02	9,179.22	110.80	83.846		
17,000.00	6,920.33	6,500.00	6,314.12	291.90	32.78	-75.95	1,326.28	944.02	9,386.67	9,275.86	110.81	84.709		
17,100.00	6,920.59	6,500.00	6,314.12	294.73	32.78	-75.95	1,326.28	944.02	9,483.38	9,372.56	110.82	85.571		
17,200.00	6,920.85	6,500.00	6,314.12	297.57	32.78	-75.95	1,326.28	944.02	9,580.16	9,469.32	110.84	86.433		
17,300.00	6,921.11	6,500.00	6,314.12	300.41	32.78	-75.95	1,326.28	944.02	9,677.01	9,566.16	110.85	87.295		
17,400.00	6,921.37	6,500.00	6,314.12	303.25	32.78	-75.95	1,326.28	944.02	9,773.92	9,663.05	110.87	88.157		
17,500.00	6,921.64	6,500.00	6,314.12	306.09	32.78	-75.95	1,326.28	944.02	9,870.89	9,760.01	110.89	89.019		
17,600.00	6,921.90	6,500.00	6,314.12	308.93	32.78	-75.95	1,326.28	944.02	9,967.92	9,857.02	110.90	89.880		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.64	149.36	14.75	150.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.64	149.36	14.75	150.09	143.52	6.57	22.847		
200.00	200.00	200.00	200.00	3.34	3.34	5.64	149.36	14.75	150.09	143.42	6.67	22.489 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	168.81	149.36	14.75	151.80	144.92	6.89	22.048		
400.00	399.84	395.83	395.81	3.59	3.60	169.53	150.46	15.93	158.21	151.01	7.19	21.989 SF		
500.00	499.45	490.75	490.61	3.79	3.79	171.04	153.69	19.40	170.63	163.03	7.60	22.448		
600.00	598.70	584.15	583.69	4.04	4.01	173.04	158.97	25.05	189.17	181.09	8.09	23.396		
660.50	658.52	639.69	638.89	4.20	4.16	174.35	163.08	29.47	203.40	194.98	8.41	24.179		
700.00	697.51	675.55	674.48	4.31	4.26	175.23	166.13	32.73	213.64	205.01	8.63	24.753		
800.00	796.22	765.23	763.18	4.63	4.53	177.38	175.07	42.32	241.56	232.36	9.20	26.254		
900.00	894.93	853.19	849.75	4.98	4.81	179.38	185.68	53.69	272.32	262.51	9.80	27.781		
1,000.00	993.64	942.83	937.51	5.34	5.12	-178.73	198.15	67.07	305.63	295.21	10.42	29.332		
1,100.00	1,092.35	1,036.48	1,029.10	5.73	5.47	-177.10	211.47	81.36	339.62	328.53	11.08	30.649		
1,200.00	1,191.06	1,130.13	1,120.69	6.13	5.83	-175.76	224.80	95.64	373.80	362.03	11.77	31.764		
1,300.00	1,289.78	1,223.77	1,212.28	6.54	6.21	-174.65	238.12	109.93	408.13	395.65	12.48	32.706		
1,400.00	1,388.49	1,317.42	1,303.87	6.95	6.60	-173.71	251.44	124.22	442.58	429.37	13.21	33.504		
1,500.00	1,487.20	1,411.07	1,395.45	7.38	7.00	-172.90	264.76	138.51	477.12	463.16	13.96	34.183		
1,600.00	1,585.91	1,504.72	1,487.04	7.81	7.41	-172.21	278.09	152.79	511.73	497.01	14.72	34.763		
1,700.00	1,684.62	1,601.63	1,578.63	8.25	7.83	-171.60	291.41	167.08	546.40	530.89	15.51	35.229		
1,800.00	1,783.33	1,707.98	1,670.22	8.70	8.31	-171.06	304.73	181.37	581.12	564.76	16.35	35.540		
1,900.00	1,882.04	1,785.67	1,761.81	9.15	8.66	-170.59	318.05	195.65	615.87	598.79	17.08	36.063		
2,000.00	1,980.75	1,879.32	1,853.40	9.60	9.09	-170.16	331.38	209.94	650.66	632.78	17.88	36.388		
2,100.00	2,079.46	1,972.97	1,944.99	10.05	9.52	-169.78	344.70	224.23	685.48	666.79	18.69	36.673		
2,200.00	2,178.17	2,066.62	2,036.58	10.51	9.95	-169.44	358.02	238.51	720.32	700.81	19.51	36.924		
2,300.00	2,276.88	2,160.27	2,128.17	10.97	10.39	-169.12	371.35	252.80	755.19	734.86	20.33	37.145		
2,400.00	2,375.59	2,253.92	2,219.76	11.43	10.83	-168.84	384.67	267.09	790.07	768.91	21.16	37.342		
2,500.00	2,474.31	2,347.57	2,311.35	11.89	11.27	-168.58	397.99	281.37	824.97	802.98	21.99	37.517		
2,600.00	2,573.02	2,441.22	2,402.94	12.36	11.71	-168.34	411.31	295.66	859.88	837.05	22.82	37.674		
2,700.00	2,671.73	2,534.87	2,494.53	12.82	12.16	-168.11	424.64	309.95	894.80	871.14	23.66	37.814		
2,800.00	2,770.44	2,628.52	2,586.12	13.29	12.60	-167.91	437.96	324.23	929.73	905.23	24.50	37.941		
2,900.00	2,869.15	2,722.17	2,677.71	13.76	13.05	-167.72	451.28	338.52	964.68	939.33	25.35	38.056		
3,000.00	2,967.86	2,815.82	2,769.30	14.23	13.50	-167.54	464.60	352.81	999.63	973.44	26.20	38.160		
3,100.00	3,066.57	2,909.47	2,860.89	14.70	13.95	-167.38	477.93	367.09	1,034.59	1,007.55	27.05	38.254		
3,200.00	3,165.28	3,003.12	2,952.48	15.17	14.40	-167.22	491.25	381.38	1,069.56	1,041.66	27.90	38.340		
3,300.00	3,263.99	3,103.23	3,044.06	15.64	14.88	-167.08	504.57	395.67	1,104.53	1,075.75	28.78	38.379		
3,400.00	3,362.70	3,209.59	3,135.65	16.11	15.40	-166.94	517.89	409.96	1,139.51	1,109.82	29.69	38.375		
3,500.00	3,461.41	3,284.06	3,227.24	16.59	15.76	-166.82	531.22	424.24	1,174.50	1,144.04	30.46	38.557		
3,600.00	3,560.12	3,377.71	3,318.83	17.06	16.21	-166.70	544.54	438.53	1,209.49	1,178.17	31.32	38.618		
3,700.00	3,658.84	3,471.36	3,410.42	17.53	16.66	-166.58	557.86	452.82	1,244.48	1,212.30	32.18	38.674		
3,800.00	3,757.55	3,565.01	3,502.01	18.01	17.12	-166.48	571.19	467.10	1,279.48	1,246.44	33.04	38.726		
3,900.00	3,856.26	3,658.66	3,593.60	18.48	17.58	-166.37	584.51	481.39	1,314.48	1,280.58	33.90	38.774		
4,000.00	3,954.97	3,752.31	3,685.19	18.96	18.03	-166.28	597.83	495.68	1,349.49	1,314.72	34.76	38.818		
4,100.00	4,053.68	3,845.96	3,776.78	19.44	18.49	-166.19	611.15	509.96	1,384.50	1,348.87	35.63	38.860		
4,200.00	4,152.39	3,939.61	3,868.37	19.91	18.94	-166.10	624.48	524.25	1,419.51	1,383.02	36.49	38.898		
4,300.00	4,251.10	4,033.26	3,959.96	20.39	19.40	-166.02	637.80	538.54	1,454.52	1,417.16	37.36	38.934		
4,400.00	4,349.81	4,126.91	4,051.55	20.87	19.86	-165.94	651.12	552.82	1,489.54	1,451.31	38.22	38.968		
4,500.00	4,448.52	4,220.56	4,143.14	21.34	20.32	-165.86	664.44	567.11	1,524.56	1,485.47	39.09	38.999		
4,600.00	4,547.23	4,314.21	4,234.73	21.82	20.78	-165.79	677.77	581.40	1,559.58	1,519.62	39.96	39.028		
4,700.00	4,645.94	4,407.86	4,326.32	22.30	21.23	-165.72	691.09	595.68	1,594.60	1,553.77	40.83	39.056		
4,800.00	4,744.65	4,501.51	4,417.91	22.78	21.69	-165.66	704.41	609.97	1,629.63	1,587.93	41.70	39.081		
4,900.00	4,843.37	4,595.16	4,509.50	23.26	22.15	-165.59	717.74	624.26	1,664.66	1,622.09	42.57	39.106		
5,000.00	4,942.08	4,688.81	4,601.09	23.74	22.61	-165.53	731.06	638.54	1,699.68	1,656.25	43.44	39.128		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,782.46	4,692.67	24.21	23.07	-165.48	744.38	652.83	1,734.71	1,690.40	44.31	39.150		
5,200.00	5,139.50	4,876.11	4,784.26	24.69	23.53	-165.42	757.70	667.12	1,769.75	1,724.56	45.18	39.170		
5,300.00	5,238.21	4,969.76	4,875.85	25.17	23.99	-165.37	771.03	681.40	1,804.78	1,758.73	46.05	39.189		
5,400.00	5,336.92	5,063.41	4,967.44	25.65	24.45	-165.32	784.35	695.69	1,839.81	1,792.89	46.93	39.206		
5,500.00	5,435.63	5,157.06	5,059.03	26.13	24.91	-165.27	797.67	709.98	1,874.85	1,827.05	47.80	39.223		
5,600.00	5,534.34	5,250.70	5,150.62	26.61	25.37	-165.22	810.99	724.27	1,909.89	1,861.21	48.67	39.239		
5,700.00	5,633.05	5,344.35	5,242.21	27.09	25.83	-165.17	824.32	738.55	1,944.93	1,895.38	49.55	39.254		
5,800.00	5,731.76	5,438.00	5,333.80	27.57	26.29	-165.13	837.64	752.84	1,979.96	1,929.54	50.42	39.268		
5,900.00	5,830.47	5,531.65	5,425.39	28.05	26.76	-165.09	850.96	767.13	2,015.00	1,963.71	51.30	39.282		
6,000.00	5,929.18	5,625.30	5,516.98	28.53	27.22	-165.04	864.28	781.41	2,050.05	1,997.87	52.17	39.294		
6,100.00	6,027.90	5,718.95	5,608.57	29.01	27.68	-165.00	877.61	795.70	2,085.09	2,032.04	53.05	39.307		
6,200.00	6,126.61	5,814.20	5,700.86	29.49	28.14	-164.96	890.94	809.98	2,119.13	2,064.08	53.93	39.319		
6,300.00	6,225.32	5,909.45	5,786.11	29.97	28.60	-164.92	904.27	824.26	2,153.17	2,097.12	54.81	39.331		
6,311.21	6,236.38	5,920.51	5,796.17	30.03	28.67	-164.91	906.88	827.87	2,158.78	2,102.73	54.90	39.333		
6,350.00	6,274.70	5,957.82	5,833.48	30.21	28.82	-164.88	910.21	832.19	2,168.11	2,112.06	55.05	39.337		
6,400.00	6,324.03	5,999.13	5,874.79	30.43	29.01	-164.84	914.54	837.52	2,177.44	2,121.39	55.19	39.340		
6,450.00	6,373.00	6,040.44	5,915.10	30.65	29.20	-164.80	918.87	841.85	2,186.77	2,130.72	55.33	39.343		
6,500.00	6,421.31	6,081.75	5,955.41	30.84	29.39	-164.77	923.20	846.16	2,196.10	2,140.05	55.47	39.346		
6,550.00	6,469.62	6,123.06	5,995.72	31.03	29.58	-164.73	927.53	850.47	2,205.43	2,149.38	55.61	39.349		
6,600.00	6,514.76	6,164.37	6,036.03	31.20	29.77	-164.70	931.86	854.78	2,214.76	2,158.71	55.75	39.352		
6,650.00	6,559.32	6,205.68	6,076.34	31.37	29.96	-164.66	936.19	859.09	2,224.09	2,168.04	55.89	39.355		
6,700.00	6,602.08	6,246.99	6,116.65	31.52	30.15	-164.63	940.52	863.40	2,233.42	2,177.37	56.03	39.358		
6,738.05	6,633.25	6,278.30	6,147.96	31.62	30.25	-164.61	943.85	865.91	2,239.75	2,182.70	56.11	39.360		
6,750.00	6,642.77	6,287.82	6,157.48	31.65	30.28	-164.60	945.39	867.45	2,243.19	2,186.14	56.15	39.362		
6,800.00	6,681.13	6,326.13	6,196.79	31.78	30.41	-164.57	949.72	871.76	2,252.52	2,195.47	56.29	39.365		
6,850.00	6,716.93	6,361.93	6,232.59	31.89	30.54	-164.54	954.05	876.07	2,261.85	2,204.80	56.43	39.368		
6,900.00	6,749.95	6,397.74	6,268.40	31.99	30.67	-164.51	958.38	880.38	2,271.18	2,214.13	56.57	39.371		
6,950.00	6,779.98	6,433.55	6,304.21	32.08	30.79	-164.48	962.71	884.69	2,280.51	2,223.46	56.71	39.374		
7,000.00	6,806.85	6,469.36	6,340.02	32.16	30.91	-164.45	967.04	889.00	2,289.84	2,232.79	56.85	39.377		
7,050.00	6,830.38	6,505.17	6,375.83	32.24	31.03	-164.42	971.37	893.31	2,299.17	2,242.12	56.99	39.380		
7,100.00	6,850.43	6,540.98	6,411.64	32.35	31.16	-164.39	975.70	897.62	2,308.50	2,251.45	57.13	39.383		
7,150.00	6,866.88	6,576.79	6,447.45	32.59	31.40	-164.35	980.03	901.93	2,317.83	2,260.78	57.27	39.386		
7,200.00	6,879.62	6,612.60	6,483.26	32.99	31.64	-164.31	984.36	906.24	2,327.16	2,270.11	57.41	39.389		
7,250.00	6,888.58	6,648.41	6,519.07	33.48	31.88	-164.27	988.69	910.55	2,336.49	2,279.44	57.55	39.392		
7,300.00	6,893.70	6,684.22	6,554.88	34.02	32.12	-164.23	993.02	914.86	2,345.82	2,288.77	57.69	39.395		
7,339.40	6,895.01	6,700.03	6,570.69	34.48	32.56	-164.19	997.35	919.17	2,355.15	2,298.10	57.83	39.398		
7,400.00	6,895.16	6,735.84	6,606.50	35.24	33.32	-164.15	1,001.68	923.48	2,364.48	2,307.43	57.97	39.401		
7,500.00	6,895.43	6,771.65	6,642.31	36.64	34.72	-164.11	1,006.01	927.79	2,373.81	2,316.76	58.11	39.404		
7,600.00	6,895.69	6,807.46	6,678.12	38.20	36.12	-164.07	1,010.34	932.10	2,383.14	2,326.09	58.25	39.407		
7,700.00	6,895.95	6,843.27	6,713.93	39.91	37.52	-164.03	1,014.67	936.41	2,392.47	2,335.42	58.39	39.410		
7,800.00	6,896.21	6,879.08	6,749.74	41.75	38.92	-164.00	1,019.00	940.72	2,401.80	2,344.75	58.53	39.413		
7,823.15	6,896.27	6,895.89	6,765.96	42.20	39.36	-163.98	1,020.39	941.64	2,404.19	2,347.14	58.57	39.414		
7,900.00	6,896.47	6,909.70	6,779.77	43.69	40.76	-163.94	1,024.72	945.95	2,413.52	2,356.47	58.71	39.417		
8,000.00	6,896.74	6,945.51	6,815.58	45.73	42.80	-163.90	1,033.35	954.58	2,427.15	2,370.10	58.85	39.420		
8,100.00	6,897.00	6,981.32	6,851.39	47.85	44.92	-163.86	1,042.98	963.21	2,440.78	2,383.73	58.99	39.423		
8,200.00	6,897.26	7,017.13	6,887.20	50.04	47.11	-163.82	1,052.61	971.84	2,454.41	2,397.36	59.13	39.426		
8,300.00	6,897.52	7,052.94	6,923.01	52.30	49.39	-163.78	1,062.24	980.47	2,468.04	2,410.99	59.27	39.429		
8,400.00	6,897.78	7,088.75	6,958.82	54.61	51.67	-163.74	1,071.87	989.10	2,481.67	2,424.62	59.41	39.432		
8,500.00	6,898.05	7,124.56	6,994.63	56.98	53.95	-163.70	1,081.50	997.73	2,495.30	2,438.25	59.55	39.435		
8,600.00	6,898.31	7,160.37	7,030.44	59.38	56.23	-163.66	1,091.13	1,006.36	2,508.93	2,451.88	59.69	39.438		
8,700.00	6,898.57	7,196.18	7,066.25	61.82	58.51	-163.62	1,100.76	1,015.19	2,522.56	2,465.51	59.83	39.441		
8,800.00	6,898.83	7,231.99	7,102.06	64.30	60.79	-163.58	1,110.39	1,024.02	2,536.19	2,479.14	59.97	39.444		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,600.00	6,471.92	66.81	31.89	-78.03	1,001.87	901.81	2,285.91	2,195.51	90.40	25.286		
9,000.00	6,899.36	6,600.00	6,471.92	69.34	31.89	-78.03	1,001.87	901.81	2,332.13	2,240.51	91.61	25.456		
9,100.00	6,899.62	6,600.00	6,471.92	71.90	31.89	-78.03	1,001.87	901.81	2,381.65	2,288.93	92.72	25.686		
9,200.00	6,899.88	6,600.00	6,471.92	74.48	31.89	-78.03	1,001.87	901.81	2,434.28	2,340.55	93.73	25.972		
9,300.00	6,900.14	6,600.00	6,471.92	77.08	31.89	-78.03	1,001.87	901.81	2,489.81	2,395.17	94.63	26.310		
9,400.00	6,900.41	6,582.27	6,454.50	79.70	31.82	-77.54	999.57	904.14	2,547.86	2,452.59	95.27	26.744		
9,500.00	6,900.67	6,578.90	6,451.18	82.33	31.81	-77.45	999.13	904.52	2,608.55	2,512.58	95.97	27.181		
9,600.00	6,900.93	6,575.83	6,448.16	84.97	31.80	-77.36	998.72	904.86	2,671.59	2,574.99	96.60	27.657		
9,700.00	6,901.19	6,573.02	6,445.38	87.63	31.79	-77.29	998.35	905.15	2,736.83	2,639.67	97.16	28.168		
9,800.00	6,901.45	6,570.43	6,442.83	90.31	31.78	-77.21	998.01	905.42	2,804.10	2,706.44	97.66	28.713		
9,900.00	6,901.72	6,568.05	6,440.48	92.99	31.77	-77.15	997.70	905.65	2,873.27	2,775.17	98.10	29.289		
10,000.00	6,901.98	6,550.00	6,422.65	95.68	31.70	-76.65	995.30	907.11	2,944.39	2,846.06	98.33	29.945		
10,100.00	6,902.24	6,550.00	6,422.65	98.38	31.70	-76.65	995.30	907.11	3,016.92	2,918.23	98.70	30.567		
10,200.00	6,902.50	6,550.00	6,422.65	101.09	31.70	-76.65	995.30	907.11	3,090.99	2,991.97	99.02	31.215		
10,300.00	6,902.76	6,550.00	6,422.65	103.81	31.70	-76.65	995.30	907.11	3,166.49	3,067.18	99.31	31.885		
10,400.00	6,903.03	6,550.00	6,422.65	106.53	31.70	-76.65	995.30	907.11	3,243.31	3,143.75	99.56	32.575		
10,500.00	6,903.29	6,550.00	6,422.65	109.26	31.70	-76.65	995.30	907.11	3,321.37	3,221.58	99.78	33.285		
10,600.00	6,903.55	6,550.00	6,422.65	112.00	31.70	-76.65	995.30	907.11	3,400.57	3,300.59	99.98	34.013		
10,700.00	6,903.81	6,550.00	6,422.65	114.75	31.70	-76.65	995.30	907.11	3,480.85	3,380.70	100.15	34.758		
10,800.00	6,904.08	6,550.00	6,422.65	117.49	31.70	-76.65	995.30	907.11	3,562.12	3,461.83	100.29	35.517		
10,900.00	6,904.34	6,550.00	6,422.65	120.25	31.70	-76.65	995.30	907.11	3,644.33	3,543.91	100.42	36.291		
11,000.00	6,904.60	6,550.00	6,422.65	123.00	31.70	-76.65	995.30	907.11	3,727.40	3,626.87	100.53	37.078		
11,100.00	6,904.86	6,550.00	6,422.65	125.77	31.70	-76.65	995.30	907.11	3,811.29	3,710.67	100.62	37.877		
11,200.00	6,905.12	6,550.00	6,422.65	128.53	31.70	-76.65	995.30	907.11	3,895.94	3,795.24	100.70	38.688		
11,300.00	6,905.39	6,550.00	6,422.65	131.30	31.70	-76.65	995.30	907.11	3,981.30	3,880.53	100.77	39.509		
11,400.00	6,905.65	6,550.00	6,422.65	134.08	31.70	-76.65	995.30	907.11	4,067.33	3,966.50	100.83	40.339		
11,500.00	6,905.91	6,550.00	6,422.65	136.85	31.70	-76.65	995.30	907.11	4,153.99	4,053.11	100.88	41.179		
11,600.00	6,906.17	6,550.00	6,422.65	139.63	31.70	-76.65	995.30	907.11	4,241.23	4,140.31	100.91	42.028		
11,700.00	6,906.43	6,550.00	6,422.65	142.42	31.70	-76.65	995.30	907.11	4,329.02	4,228.07	100.95	42.884		
11,800.00	6,906.70	6,550.00	6,422.65	145.20	31.70	-76.65	995.30	907.11	4,417.33	4,316.36	100.97	43.748		
11,900.00	6,906.96	6,550.00	6,422.65	147.99	31.70	-76.65	995.30	907.11	4,506.13	4,405.14	100.99	44.619		
12,000.00	6,907.22	6,550.00	6,422.65	150.78	31.70	-76.65	995.30	907.11	4,595.40	4,494.39	101.01	45.496		
12,100.00	6,907.48	6,550.00	6,422.65	153.57	31.70	-76.65	995.30	907.11	4,685.09	4,584.07	101.02	46.380		
12,200.00	6,907.74	6,550.00	6,422.65	156.37	31.70	-76.65	995.30	907.11	4,775.19	4,674.17	101.02	47.269		
12,300.00	6,908.01	6,550.00	6,422.65	159.17	31.70	-76.65	995.30	907.11	4,865.68	4,764.66	101.03	48.163		
12,400.00	6,908.27	6,550.00	6,422.65	161.97	31.70	-76.65	995.30	907.11	4,956.54	4,855.51	101.03	49.062		
12,500.00	6,908.53	6,550.00	6,422.65	164.77	31.70	-76.65	995.30	907.11	5,047.74	4,946.72	101.02	49.965		
12,600.00	6,908.79	6,550.00	6,422.65	167.57	31.70	-76.65	995.30	907.11	5,139.27	5,038.25	101.02	50.873		
12,700.00	6,909.06	6,550.00	6,422.65	170.38	31.70	-76.65	995.30	907.11	5,231.11	5,130.10	101.02	51.785		
12,800.00	6,909.32	6,550.00	6,422.65	173.18	31.70	-76.65	995.30	907.11	5,323.25	5,222.24	101.01	52.701		
12,900.00	6,909.58	6,550.00	6,422.65	175.99	31.70	-76.65	995.30	907.11	5,415.66	5,314.66	101.00	53.620		
13,000.00	6,909.84	6,550.00	6,422.65	178.80	31.70	-76.65	995.30	907.11	5,508.34	5,407.34	100.99	54.542		
13,100.00	6,910.10	6,550.00	6,422.65	181.61	31.70	-76.65	995.30	907.11	5,601.27	5,500.28	100.98	55.468		
13,200.00	6,910.37	6,550.00	6,422.65	184.42	31.70	-76.65	995.30	907.11	5,694.44	5,593.46	100.97	56.396		
13,300.00	6,910.63	6,550.00	6,422.65	187.24	31.70	-76.65	995.30	907.11	5,787.83	5,686.87	100.96	57.327		
13,400.00	6,910.89	6,550.00	6,422.65	190.05	31.70	-76.65	995.30	907.11	5,881.45	5,780.50	100.95	58.260		
13,500.00	6,911.15	6,550.00	6,422.65	192.87	31.70	-76.65	995.30	907.11	5,975.27	5,874.33	100.94	59.195		
13,600.00	6,911.41	6,550.00	6,422.65	195.68	31.70	-76.65	995.30	907.11	6,069.29	5,968.36	100.93	60.133		
13,700.00	6,911.68	6,550.00	6,422.65	198.50	31.70	-76.65	995.30	907.11	6,163.49	6,062.57	100.92	61.073		
13,800.00	6,911.94	6,550.00	6,422.65	201.32	31.70	-76.65	995.30	907.11	6,257.88	6,156.97	100.91	62.014		
13,900.00	6,912.20	6,550.00	6,422.65	204.14	31.70	-76.65	995.30	907.11	6,352.44	6,251.54	100.90	62.957		
14,000.00	6,912.46	6,550.00	6,422.65	206.96	31.70	-76.65	995.30	907.11	6,447.16	6,346.27	100.89	63.901		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	6,550.00	6,422.65	209.78	31.70	-76.65	995.30	907.11	6,542.04	6,441.16	100.88	64.847		
14,200.00	6,912.99	6,550.00	6,422.65	212.61	31.70	-76.65	995.30	907.11	6,637.07	6,536.20	100.88	65.795		
14,300.00	6,913.25	6,550.00	6,422.65	215.43	31.70	-76.65	995.30	907.11	6,732.24	6,631.38	100.87	66.743		
14,400.00	6,913.51	6,550.00	6,422.65	218.26	31.70	-76.65	995.30	907.11	6,827.56	6,726.70	100.86	67.692		
14,500.00	6,913.77	6,550.00	6,422.65	221.08	31.70	-76.65	995.30	907.11	6,923.00	6,822.15	100.86	68.643		
14,600.00	6,914.04	6,550.00	6,422.65	223.91	31.70	-76.65	995.30	907.11	7,018.57	6,917.72	100.85	69.594		
14,700.00	6,914.30	6,550.00	6,422.65	226.73	31.70	-76.65	995.30	907.11	7,114.27	7,013.42	100.85	70.546		
14,800.00	6,914.56	6,550.00	6,422.65	229.56	31.70	-76.65	995.30	907.11	7,210.07	7,109.23	100.84	71.498		
14,900.00	6,914.82	6,550.00	6,422.65	232.39	31.70	-76.65	995.30	907.11	7,306.00	7,205.16	100.84	72.451		
15,000.00	6,915.08	6,550.00	6,422.65	235.22	31.70	-76.65	995.30	907.11	7,402.03	7,301.19	100.84	73.405		
15,100.00	6,915.35	6,550.00	6,422.65	238.05	31.70	-76.65	995.30	907.11	7,498.16	7,397.32	100.84	74.359		
15,200.00	6,915.61	6,550.00	6,422.65	240.88	31.70	-76.65	995.30	907.11	7,594.39	7,493.56	100.84	75.313		
15,300.00	6,915.87	6,550.00	6,422.65	243.71	31.70	-76.65	995.30	907.11	7,690.72	7,589.89	100.84	76.268		
15,400.00	6,916.13	6,550.00	6,422.65	246.54	31.70	-76.65	995.30	907.11	7,787.15	7,686.31	100.84	77.223		
15,500.00	6,916.39	6,550.00	6,422.65	249.37	31.70	-76.65	995.30	907.11	7,883.66	7,782.82	100.84	78.178		
15,600.00	6,916.66	6,550.00	6,422.65	252.20	31.70	-76.65	995.30	907.11	7,980.26	7,879.41	100.85	79.133		
15,700.00	6,916.92	6,527.17	6,400.06	255.03	31.61	-76.01	992.23	908.23	8,076.51	7,975.84	100.67	80.224		
15,800.00	6,917.18	6,526.95	6,399.84	257.87	31.61	-76.01	992.20	908.24	8,173.26	8,072.59	100.68	81.181		
15,900.00	6,917.44	6,526.74	6,399.64	260.70	31.61	-76.00	992.17	908.24	8,270.09	8,169.41	100.68	82.139		
16,000.00	6,917.70	6,526.54	6,399.44	263.53	31.60	-76.00	992.15	908.25	8,367.00	8,266.31	100.69	83.096		
16,100.00	6,917.97	6,526.34	6,399.24	266.37	31.60	-75.99	992.12	908.25	8,463.97	8,363.27	100.70	84.053		
16,200.00	6,918.23	6,526.15	6,399.04	269.20	31.60	-75.99	992.09	908.26	8,561.02	8,460.31	100.71	85.010		
16,300.00	6,918.49	6,525.96	6,398.86	272.04	31.60	-75.98	992.07	908.27	8,658.13	8,557.41	100.72	85.966		
16,400.00	6,918.75	6,525.77	6,398.67	274.87	31.60	-75.98	992.04	908.27	8,755.31	8,654.58	100.73	86.922		
16,500.00	6,919.02	6,525.59	6,398.49	277.71	31.60	-75.97	992.02	908.28	8,852.55	8,751.81	100.74	87.878		
16,600.00	6,919.28	6,525.41	6,398.31	280.55	31.60	-75.97	991.99	908.28	8,949.85	8,849.10	100.75	88.833		
16,700.00	6,919.54	6,525.23	6,398.14	283.38	31.60	-75.96	991.97	908.29	9,047.21	8,946.45	100.76	89.787		
16,800.00	6,919.80	6,525.06	6,397.97	286.22	31.60	-75.96	991.95	908.29	9,144.63	9,043.85	100.78	90.741		
16,900.00	6,920.06	6,524.90	6,397.81	289.06	31.60	-75.95	991.92	908.30	9,242.10	9,141.31	100.79	91.694		
17,000.00	6,920.33	6,524.73	6,397.65	291.90	31.60	-75.95	991.90	908.30	9,339.62	9,238.81	100.81	92.647		
17,100.00	6,920.59	6,524.57	6,397.49	294.73	31.60	-75.94	991.88	908.30	9,437.20	9,336.37	100.83	93.599		
17,200.00	6,920.85	6,524.42	6,397.33	297.57	31.60	-75.94	991.86	908.31	9,534.83	9,433.98	100.84	94.550		
17,300.00	6,921.11	6,524.26	6,397.18	300.41	31.60	-75.93	991.84	908.31	9,632.50	9,531.64	100.86	95.501		
17,400.00	6,921.37	6,524.11	6,397.03	303.25	31.59	-75.93	991.82	908.32	9,730.23	9,629.34	100.88	96.451		
17,500.00	6,921.64	6,523.96	6,396.88	306.09	31.59	-75.92	991.80	908.32	9,828.00	9,727.09	100.90	97.400		
17,600.00	6,921.90	6,523.82	6,396.74	308.93	31.59	-75.92	991.78	908.32	9,925.81	9,824.88	100.93	98.348		
17,638.91	6,922.00	6,523.76	6,396.68	310.03	31.59	-75.92	991.77	908.33	9,963.87	9,862.94	100.93	98.716		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.68	89.62	8.91	90.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	89.62	8.91	90.06	83.49	6.57	13.709		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	89.62	8.91	90.06	83.39	6.67	13.494 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	168.93	89.62	8.91	91.77	84.89	6.89	13.329 SF		
400.00	399.84	399.51	399.49	3.59	3.60	170.52	89.57	10.64	97.08	89.89	7.19	13.499		
500.00	499.45	498.39	498.23	3.79	3.80	174.03	89.44	15.77	106.42	98.83	7.59	14.025		
600.00	598.70	596.19	595.66	4.04	4.03	178.62	89.22	24.20	120.35	112.28	8.07	14.919		
660.50	658.52	654.66	653.75	4.20	4.19	-178.43	89.04	30.83	131.23	122.84	8.39	15.634		
700.00	697.51	707.30	691.47	4.31	4.34	-176.52	88.91	35.75	139.11	130.45	8.66	16.066		
800.00	796.22	789.97	787.87	4.63	4.59	-172.36	88.58	48.70	159.76	150.55	9.21	17.353		
900.00	894.93	887.23	884.27	4.98	4.91	-169.16	88.24	61.64	181.04	171.19	9.84	18.392		
1,000.00	993.64	984.49	980.67	5.34	5.25	-166.64	87.90	74.58	202.74	192.22	10.52	19.276		
1,100.00	1,092.35	1,081.76	1,077.07	5.73	5.60	-164.60	87.56	87.53	224.75	213.53	11.22	20.024		
1,200.00	1,191.06	1,179.02	1,173.47	6.13	5.97	-162.93	87.22	100.47	246.99	235.03	11.96	20.657		
1,300.00	1,289.78	1,276.29	1,269.87	6.54	6.35	-161.53	86.88	113.42	269.39	256.68	12.71	21.193		
1,400.00	1,388.49	1,373.55	1,366.27	6.95	6.74	-160.35	86.54	126.36	291.92	278.44	13.48	21.649		
1,500.00	1,487.20	1,470.82	1,462.67	7.38	7.14	-159.33	86.20	139.30	314.55	300.28	14.27	22.039		
1,600.00	1,585.91	1,568.08	1,559.07	7.81	7.54	-158.46	85.86	152.25	337.27	322.19	15.07	22.374		
1,700.00	1,684.62	1,665.35	1,655.46	8.25	7.95	-157.69	85.53	165.19	360.05	344.16	15.89	22.664		
1,800.00	1,783.33	1,762.61	1,751.86	8.70	8.37	-157.01	85.19	178.13	382.88	366.17	16.71	22.915		
1,900.00	1,882.04	1,859.88	1,848.26	9.15	8.78	-156.41	84.85	191.08	405.76	388.22	17.54	23.135		
2,000.00	1,980.75	1,957.14	1,944.66	9.60	9.20	-155.88	84.51	204.02	428.67	410.30	18.38	23.328		
2,100.00	2,079.46	2,054.41	2,041.06	10.05	9.63	-155.40	84.17	216.96	451.62	432.40	19.22	23.498		
2,200.00	2,178.17	2,151.67	2,137.46	10.51	10.06	-154.96	83.83	229.91	474.60	454.53	20.07	23.649		
2,300.00	2,276.88	2,248.94	2,233.86	10.97	10.48	-154.57	83.49	242.85	497.60	476.67	20.92	23.783		
2,400.00	2,375.59	2,346.20	2,330.26	11.43	10.92	-154.21	83.15	255.79	520.62	498.84	21.78	23.903		
2,500.00	2,474.31	2,443.46	2,426.66	11.89	11.35	-153.88	82.81	268.74	543.65	521.01	22.64	24.011		
2,600.00	2,573.02	2,540.73	2,523.06	12.36	11.78	-153.58	82.48	281.68	566.71	543.20	23.51	24.108		
2,700.00	2,671.73	2,637.99	2,619.45	12.82	12.22	-153.30	82.14	294.63	589.77	565.40	24.37	24.196		
2,800.00	2,770.44	2,735.26	2,715.85	13.29	12.66	-153.04	81.80	307.57	612.85	587.61	25.25	24.276		
2,900.00	2,869.15	2,832.52	2,812.25	13.76	13.09	-152.80	81.46	320.51	635.94	609.82	26.12	24.348		
3,000.00	2,967.86	2,929.79	2,908.65	14.23	13.53	-152.58	81.12	333.46	659.04	632.05	26.99	24.415		
3,100.00	3,066.57	3,027.05	3,005.05	14.70	13.97	-152.37	80.78	346.40	682.15	654.28	27.87	24.475		
3,200.00	3,165.28	3,124.32	3,101.45	15.17	14.41	-152.17	80.44	359.34	705.27	676.52	28.75	24.531		
3,300.00	3,263.99	3,221.58	3,197.85	15.64	14.86	-151.99	80.10	372.29	728.39	698.76	29.63	24.582		
3,400.00	3,362.70	3,318.85	3,294.25	16.11	15.30	-151.82	79.76	385.23	751.52	721.01	30.51	24.630		
3,500.00	3,461.41	3,416.11	3,390.65	16.59	15.74	-151.66	79.42	398.17	774.66	743.26	31.40	24.673		
3,600.00	3,560.12	3,513.38	3,487.05	17.06	16.19	-151.51	79.09	411.12	797.80	765.52	32.28	24.714		
3,700.00	3,658.84	3,610.64	3,583.44	17.53	16.63	-151.37	78.75	424.06	820.94	787.78	33.17	24.752		
3,800.00	3,757.55	3,707.91	3,679.84	18.01	17.07	-151.23	78.41	437.00	844.09	810.04	34.05	24.787		
3,900.00	3,856.26	3,805.17	3,776.24	18.48	17.52	-151.11	78.07	449.95	867.25	832.31	34.94	24.819		
4,000.00	3,954.97	3,902.44	3,872.64	18.96	17.97	-150.99	77.73	462.89	890.41	854.58	35.83	24.850		
4,100.00	4,053.68	4,000.30	3,969.04	19.44	18.41	-150.87	77.39	475.84	913.57	876.85	36.72	24.877		
4,200.00	4,152.39	4,103.04	4,065.44	19.91	18.89	-150.76	77.05	488.78	936.74	899.10	37.64	24.887		
4,300.00	4,251.10	4,205.77	4,161.84	20.39	19.36	-150.66	76.71	501.72	959.90	921.35	38.56	24.897		
4,400.00	4,349.81	4,308.51	4,258.24	20.87	19.83	-150.56	76.37	514.67	983.08	943.60	39.47	24.905		
4,500.00	4,448.52	4,388.76	4,354.64	21.34	20.20	-150.47	76.04	527.61	1,006.25	965.96	40.29	24.977		
4,600.00	4,547.23	4,486.02	4,451.04	21.82	20.65	-150.38	75.70	540.55	1,029.43	988.25	41.18	24.998		
4,700.00	4,645.94	4,583.29	4,547.43	22.30	21.10	-150.29	75.36	553.50	1,052.61	1,010.53	42.08	25.017		
4,800.00	4,744.65	4,680.55	4,643.83	22.78	21.54	-150.21	75.02	566.44	1,075.79	1,032.82	42.97	25.036		
4,900.00	4,843.37	4,777.82	4,740.23	23.26	21.99	-150.13	74.68	579.38	1,098.97	1,055.11	43.86	25.054		
5,000.00	4,942.08	4,875.08	4,836.63	23.74	22.44	-150.05	74.34	592.33	1,122.16	1,077.40	44.76	25.071		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	4,972.35	4,933.03	24.21	22.89	-149.98	74.00	605.27	1,145.34	1,099.69	45.66	25.086		
5,200.00	5,139.50	5,069.61	5,029.43	24.69	23.34	-149.91	73.66	618.21	1,168.53	1,121.98	46.55	25.102		
5,300.00	5,238.21	5,166.88	5,125.83	25.17	23.79	-149.84	73.32	631.16	1,191.72	1,144.27	47.45	25.116		
5,400.00	5,336.92	5,264.14	5,222.23	25.65	24.24	-149.78	72.98	644.10	1,214.91	1,166.57	48.35	25.130		
5,500.00	5,435.63	5,361.41	5,318.63	26.13	24.69	-149.72	72.65	657.05	1,238.11	1,188.86	49.24	25.142		
5,600.00	5,534.34	5,458.67	5,415.03	26.61	25.14	-149.66	72.31	669.99	1,261.30	1,211.16	50.14	25.155		
5,700.00	5,633.05	5,555.93	5,511.42	27.09	25.59	-149.60	71.97	682.93	1,284.49	1,233.46	51.04	25.167		
5,800.00	5,731.76	5,653.20	5,607.82	27.57	26.04	-149.54	71.63	695.88	1,307.69	1,255.75	51.94	25.178		
5,900.00	5,830.47	5,750.46	5,704.22	28.05	26.49	-149.49	71.29	708.82	1,330.89	1,278.05	52.84	25.189		
6,000.00	5,929.18	5,847.73	5,800.62	28.53	26.94	-149.44	70.95	721.76	1,354.09	1,300.35	53.74	25.199		
6,100.00	6,027.90	5,944.99	5,897.02	29.01	27.39	-149.39	70.61	734.71	1,377.29	1,322.65	54.64	25.209		
6,200.00	6,126.61	6,046.22	6,000.00	29.49	27.84	-149.34	70.27	747.66	1,400.49	1,345.95	55.54	25.219		
6,300.00	6,225.32	6,145.93	6,100.00	29.97	28.29	-149.29	69.93	760.61	1,423.69	1,369.15	56.44	25.229		
6,311.21	6,236.38	6,156.99	6,111.11	30.03	28.35	-149.28	69.93	761.11	1,425.19	1,370.65	56.49	25.230		
6,350.00	6,274.70	6,195.06	6,149.13	30.21	28.42	-149.26	69.75	764.10	1,434.94	1,379.40	56.69	25.233		
6,400.00	6,324.03	6,244.39	6,198.46	30.43	28.64	-149.22	69.49	768.14	1,449.18	1,393.64	57.03	25.239		
6,450.00	6,373.00	6,293.36	6,247.43	30.65	28.86	-149.17	69.23	772.18	1,463.42	1,407.88	57.37	25.245		
6,500.00	6,421.31	6,341.67	6,295.74	30.84	29.05	-149.11	68.97	776.22	1,477.66	1,422.12	57.71	25.251		
6,550.00	6,469.62	6,389.98	6,343.05	31.03	29.24	-149.05	68.71	780.26	1,491.90	1,436.36	58.05	25.257		
6,600.00	6,514.76	6,435.12	6,388.19	31.20	29.43	-148.99	68.45	784.30	1,506.14	1,450.60	58.39	25.263		
6,650.00	6,559.32	6,480.68	6,433.75	31.37	29.62	-148.92	68.19	788.34	1,520.38	1,464.84	58.73	25.269		
6,700.00	6,602.08	6,523.44	6,476.51	31.52	29.81	-148.86	67.93	792.38	1,534.62	1,479.08	59.07	25.275		
6,750.00	6,642.77	6,563.13	6,515.20	31.65	29.99	-148.79	67.67	796.42	1,548.86	1,493.32	59.41	25.281		
6,800.00	6,681.13	6,601.49	6,553.56	31.78	30.18	-148.73	67.41	800.46	1,563.10	1,507.56	59.75	25.287		
6,850.00	6,716.93	6,637.29	6,589.36	31.89	30.37	-148.66	67.15	804.50	1,577.34	1,521.80	60.09	25.293		
6,900.00	6,749.95	6,670.31	6,621.38	31.99	30.56	-148.59	66.89	808.54	1,591.58	1,536.04	60.43	25.299		
6,950.00	6,779.98	6,700.34	6,651.41	32.08	30.75	-148.52	66.63	812.58	1,605.82	1,550.28	60.77	25.305		
7,000.00	6,806.85	6,727.21	6,678.28	32.16	30.94	-148.45	66.37	816.62	1,620.06	1,564.52	61.11	25.311		
7,050.00	6,830.38	6,750.74	6,701.81	32.24	31.13	-148.38	66.11	820.66	1,634.30	1,578.76	61.45	25.317		
7,100.00	6,850.43	6,769.79	6,721.86	32.35	31.32	-148.31	65.85	824.70	1,648.54	1,593.00	61.79	25.323		
7,150.00	6,866.88	6,785.24	6,737.31	32.59	31.51	-148.24	65.59	828.74	1,662.78	1,607.24	62.13	25.329		
7,150.46	6,867.01	6,785.37	6,737.44	32.60	31.52	-148.24	65.58	828.87	1,662.91	1,607.37	62.14	25.329		
7,200.00	6,879.62	6,797.98	6,750.05	32.99	31.91	-148.18	65.23	832.81	1,677.15	1,621.61	62.49	25.335		
7,250.00	6,888.58	6,806.94	6,759.01	33.48	32.30	-148.11	64.97	836.85	1,691.39	1,635.85	62.83	25.341		
7,300.00	6,893.70	6,812.06	6,764.13	34.02	32.69	-148.05	64.71	840.89	1,705.63	1,650.09	63.17	25.347		
7,339.40	6,895.01	6,813.37	6,765.44	34.48	33.08	-148.00	64.45	844.93	1,719.87	1,664.33	63.51	25.353		
7,400.00	6,895.16	6,813.52	6,765.59	35.24	33.47	-147.93	64.19	848.97	1,734.11	1,678.57	63.85	25.359		
7,500.00	6,895.43	6,813.80	6,765.86	36.64	34.87	-147.87	63.84	853.01	1,748.35	1,692.81	64.20	25.365		
7,600.00	6,895.69	6,814.06	6,766.12	38.20	36.27	-147.80	63.49	857.05	1,762.59	1,707.05	64.54	25.371		
7,628.00	6,895.76	6,814.13	6,766.19	38.68	36.75	-147.75	63.40	858.55	1,766.83	1,711.29	64.63	25.372		
7,700.00	6,895.95	6,814.32	6,766.38	39.91	37.98	-147.69	63.14	862.59	1,781.07	1,725.53	64.97	25.378		
7,800.00	6,896.21	6,814.58	6,766.64	41.75	39.82	-147.63	62.79	866.63	1,795.31	1,739.77	65.31	25.384		
7,900.00	6,896.47	6,814.84	6,766.90	43.69	41.76	-147.56	62.44	870.67	1,809.55	1,754.01	65.65	25.390		
8,000.00	6,896.74	6,815.11	6,767.17	45.73	43.80	-147.50	62.09	874.71	1,823.79	1,768.25	65.99	25.396		
8,100.00	6,897.00	6,815.37	6,767.43	47.85	45.92	-147.44	61.74	878.75	1,838.03	1,782.49	66.33	25.402		
8,200.00	6,897.26	6,815.63	6,767.69	50.04	48.11	-147.38	61.39	882.79	1,852.27	1,796.73	66.67	25.408		
8,300.00	6,897.52	6,815.89	6,767.95	52.30	50.37	-147.32	61.04	886.83	1,866.51	1,810.97	67.01	25.414		
8,400.00	6,897.78	6,816.15	6,768.21	54.61	52.68	-147.25	60.69	890.87	1,880.75	1,825.21	67.35	25.420		
8,500.00	6,898.05	6,816.42	6,768.48	56.98	54.99	-147.19	60.34	894.91	1,895.00	1,839.45	67.69	25.426		
8,600.00	6,898.31	6,816.68	6,768.74	59.38	57.39	-147.13	60.00	898.95	1,909.24	1,853.69	68.03	25.432		
8,700.00	6,898.57	6,816.94	6,769.00	61.82	59.83	-147.07	59.65	902.99	1,923.48	1,867.93	68.37	25.438		
8,800.00	6,898.83	6,817.20	6,769.26	64.30	62.31	-147.01	59.30	907.03	1,937.72	1,882.17	68.71	25.444		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,700.00	6,645.93	66.81	30.74	-76.81	66.69	795.77	1,570.28	1,491.77	78.51	20.001		
9,000.00	6,899.36	6,700.00	6,645.93	69.34	30.74	-76.81	66.69	795.77	1,643.35	1,564.74	78.60	20.907		
9,100.00	6,899.62	6,700.00	6,645.93	71.90	30.74	-76.81	66.69	795.77	1,719.12	1,640.48	78.64	21.860		
9,200.00	6,899.88	6,700.00	6,645.93	74.48	30.74	-76.81	66.69	795.77	1,797.28	1,718.63	78.65	22.852		
9,300.00	6,900.14	6,680.07	6,626.41	77.08	30.67	-75.82	66.97	799.79	1,877.14	1,798.70	78.45	23.929		
9,400.00	6,900.41	6,674.85	6,621.29	79.70	30.65	-75.57	67.05	800.75	1,958.97	1,880.61	78.36	24.999		
9,500.00	6,900.67	6,670.08	6,616.58	82.33	30.63	-75.33	67.11	801.58	2,042.38	1,964.11	78.27	26.093		
9,600.00	6,900.93	6,650.00	6,596.75	84.97	30.55	-74.34	67.37	804.70	2,127.41	2,049.36	78.04	27.259		
9,700.00	6,901.19	6,650.00	6,596.75	87.63	30.55	-74.34	67.37	804.70	2,213.35	2,135.36	77.98	28.382		
9,800.00	6,901.45	6,650.00	6,596.75	90.31	30.55	-74.34	67.37	804.70	2,300.42	2,222.51	77.92	29.525		
9,900.00	6,901.72	6,650.00	6,596.75	92.99	30.55	-74.34	67.37	804.70	2,388.51	2,310.67	77.84	30.684		
10,000.00	6,901.98	6,650.00	6,596.75	95.68	30.55	-74.34	67.37	804.70	2,477.51	2,399.74	77.77	31.858		
10,100.00	6,902.24	6,650.00	6,596.75	98.38	30.55	-74.34	67.37	804.70	2,567.31	2,489.62	77.69	33.045		
10,200.00	6,902.50	6,650.00	6,596.75	101.09	30.55	-74.34	67.37	804.70	2,657.84	2,580.23	77.62	34.243		
10,300.00	6,902.76	6,650.00	6,596.75	103.81	30.55	-74.34	67.37	804.70	2,749.03	2,671.49	77.54	35.452		
10,400.00	6,903.03	6,650.00	6,596.75	106.53	30.55	-74.34	67.37	804.70	2,840.81	2,763.34	77.47	36.670		
10,500.00	6,903.29	6,650.00	6,596.75	109.26	30.55	-74.34	67.37	804.70	2,933.13	2,855.73	77.40	37.896		
10,600.00	6,903.55	6,650.00	6,596.75	112.00	30.55	-74.34	67.37	804.70	3,025.94	2,948.61	77.33	39.130		
10,700.00	6,903.81	6,650.00	6,596.75	114.75	30.55	-74.34	67.37	804.70	3,119.19	3,041.93	77.26	40.370		
10,800.00	6,904.08	6,650.00	6,596.75	117.49	30.55	-74.34	67.37	804.70	3,212.85	3,135.65	77.20	41.616		
10,900.00	6,904.34	6,629.80	6,576.71	120.25	30.48	-73.35	67.61	807.21	3,306.52	3,229.48	77.03	42.923		
11,000.00	6,904.60	6,628.04	6,574.96	123.00	30.47	-73.27	67.63	807.40	3,400.82	3,323.85	76.97	44.183		
11,100.00	6,904.86	6,626.37	6,573.30	125.77	30.47	-73.19	67.65	807.58	3,495.44	3,418.53	76.91	45.447		
11,200.00	6,905.12	6,624.78	6,571.72	128.53	30.46	-73.11	67.67	807.74	3,590.34	3,513.49	76.86	46.714		
11,300.00	6,905.39	6,623.27	6,570.22	131.30	30.46	-73.04	67.68	807.89	3,685.51	3,608.71	76.81	47.985		
11,400.00	6,905.65	6,621.83	6,568.78	134.08	30.45	-72.97	67.70	808.03	3,780.93	3,704.17	76.76	49.257		
11,500.00	6,905.91	6,600.00	6,547.02	136.85	30.37	-71.91	67.93	809.75	3,876.94	3,800.33	76.61	50.606		
11,600.00	6,906.17	6,600.00	6,547.02	139.63	30.37	-71.91	67.93	809.75	3,972.75	3,896.17	76.58	51.878		
11,700.00	6,906.43	6,600.00	6,547.02	142.42	30.37	-71.91	67.93	809.75	4,068.76	3,992.21	76.55	53.152		
11,800.00	6,906.70	6,600.00	6,547.02	145.20	30.37	-71.91	67.93	809.75	4,164.95	4,088.43	76.52	54.427		
11,900.00	6,906.96	6,600.00	6,547.02	147.99	30.37	-71.91	67.93	809.75	4,261.33	4,184.83	76.50	55.704		
12,000.00	6,907.22	6,600.00	6,547.02	150.78	30.37	-71.91	67.93	809.75	4,357.86	4,281.38	76.48	56.982		
12,100.00	6,907.48	6,600.00	6,547.02	153.57	30.37	-71.91	67.93	809.75	4,454.55	4,378.09	76.46	58.260		
12,200.00	6,907.74	6,600.00	6,547.02	156.37	30.37	-71.91	67.93	809.75	4,551.38	4,474.94	76.44	59.539		
12,300.00	6,908.01	6,600.00	6,547.02	159.17	30.37	-71.91	67.93	809.75	4,648.35	4,571.92	76.43	60.818		
12,400.00	6,908.27	6,600.00	6,547.02	161.97	30.37	-71.91	67.93	809.75	4,745.44	4,669.02	76.42	62.098		
12,500.00	6,908.53	6,600.00	6,547.02	164.77	30.37	-71.91	67.93	809.75	4,842.65	4,766.24	76.41	63.377		
12,600.00	6,908.79	6,600.00	6,547.02	167.57	30.37	-71.91	67.93	809.75	4,939.97	4,863.57	76.40	64.657		
12,700.00	6,909.06	6,600.00	6,547.02	170.38	30.37	-71.91	67.93	809.75	5,037.40	4,961.00	76.40	65.936		
12,800.00	6,909.32	6,600.00	6,547.02	173.18	30.37	-71.91	67.93	809.75	5,134.93	5,058.53	76.40	67.214		
12,900.00	6,909.58	6,600.00	6,547.02	175.99	30.37	-71.91	67.93	809.75	5,232.54	5,156.15	76.40	68.492		
13,000.00	6,909.84	6,600.00	6,547.02	178.80	30.37	-71.91	67.93	809.75	5,330.25	5,253.85	76.40	69.770		
13,100.00	6,910.10	6,600.00	6,547.02	181.61	30.37	-71.91	67.93	809.75	5,428.04	5,351.64	76.40	71.046		
13,200.00	6,910.37	6,600.00	6,547.02	184.42	30.37	-71.91	67.93	809.75	5,525.91	5,449.50	76.41	72.322		
13,300.00	6,910.63	6,600.00	6,547.02	187.24	30.37	-71.91	67.93	809.75	5,623.86	5,547.44	76.42	73.596		
13,400.00	6,910.89	6,600.00	6,547.02	190.05	30.37	-71.91	67.93	809.75	5,721.87	5,645.45	76.43	74.869		
13,500.00	6,911.15	6,600.00	6,547.02	192.87	30.37	-71.91	67.93	809.75	5,819.96	5,743.52	76.44	76.141		
13,600.00	6,911.41	6,600.00	6,547.02	195.68	30.37	-71.91	67.93	809.75	5,918.10	5,841.65	76.45	77.412		
13,700.00	6,911.68	6,600.00	6,547.02	198.50	30.37	-71.91	67.93	809.75	6,016.31	5,939.85	76.46	78.681		
13,800.00	6,911.94	6,600.00	6,547.02	201.32	30.37	-71.91	67.93	809.75	6,114.58	6,038.10	76.48	79.948		
13,900.00	6,912.20	6,600.00	6,547.02	204.14	30.37	-71.91	67.93	809.75	6,212.90	6,136.40	76.50	81.214		
14,000.00	6,912.46	6,600.00	6,547.02	206.96	30.37	-71.91	67.93	809.75	6,311.28	6,234.76	76.52	82.479		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	6,600.00	6,547.02	209.78	30.37	-71.91	67.93	809.75	6,409.70	6,333.16	76.54	83.741		
14,200.00	6,912.99	6,600.00	6,547.02	212.61	30.37	-71.91	67.93	809.75	6,508.17	6,431.61	76.57	85.002		
14,300.00	6,913.25	6,600.00	6,547.02	215.43	30.37	-71.91	67.93	809.75	6,606.69	6,530.10	76.59	86.260		
14,400.00	6,913.51	6,600.00	6,547.02	218.26	30.37	-71.91	67.93	809.75	6,705.26	6,628.64	76.62	87.517		
14,500.00	6,913.77	6,600.00	6,547.02	221.08	30.37	-71.91	67.93	809.75	6,803.86	6,727.22	76.64	88.772		
14,600.00	6,914.04	6,600.00	6,547.02	223.91	30.37	-71.91	67.93	809.75	6,902.51	6,825.83	76.67	90.025		
14,700.00	6,914.30	6,600.00	6,547.02	226.73	30.37	-71.91	67.93	809.75	7,001.19	6,924.48	76.70	91.275		
14,800.00	6,914.56	6,600.00	6,547.02	229.56	30.37	-71.91	67.93	809.75	7,099.91	7,023.17	76.74	92.523		
14,900.00	6,914.82	6,600.00	6,547.02	232.39	30.37	-71.91	67.93	809.75	7,198.66	7,121.89	76.77	93.769		
15,000.00	6,915.08	6,600.00	6,547.02	235.22	30.37	-71.91	67.93	809.75	7,297.45	7,220.65	76.80	95.013		
15,100.00	6,915.35	6,600.00	6,547.02	238.05	30.37	-71.91	67.93	809.75	7,396.28	7,319.43	76.84	96.254		
15,200.00	6,915.61	6,600.00	6,547.02	240.88	30.37	-71.91	67.93	809.75	7,495.13	7,418.25	76.88	97.493		
15,300.00	6,915.87	6,600.00	6,547.02	243.71	30.37	-71.91	67.93	809.75	7,594.01	7,517.09	76.92	98.730		
15,400.00	6,916.13	6,600.00	6,547.02	246.54	30.37	-71.91	67.93	809.75	7,692.92	7,615.97	76.96	99.964		
15,500.00	6,916.39	6,600.00	6,547.02	249.37	30.37	-71.91	67.93	809.75	7,791.86	7,714.87	77.00	101.195		
15,600.00	6,916.66	6,600.00	6,547.02	252.20	30.37	-71.91	67.93	809.75	7,890.83	7,813.79	77.04	102.424		
15,700.00	6,916.92	6,600.00	6,547.02	255.03	30.37	-71.91	67.93	809.75	7,989.82	7,912.74	77.08	103.650		
15,800.00	6,917.18	6,600.00	6,547.02	257.87	30.37	-71.91	67.93	809.75	8,088.84	8,011.71	77.13	104.873		
15,900.00	6,917.44	6,600.00	6,547.02	260.70	30.37	-71.91	67.93	809.75	8,187.88	8,110.71	77.18	106.094		
16,000.00	6,917.70	6,600.00	6,547.02	263.53	30.37	-71.91	67.93	809.75	8,286.95	8,209.72	77.22	107.312		
16,100.00	6,917.97	6,600.00	6,547.02	266.37	30.37	-71.91	67.93	809.75	8,386.03	8,308.76	77.27	108.527		
16,200.00	6,918.23	6,600.00	6,547.02	269.20	30.37	-71.91	67.93	809.75	8,485.14	8,407.82	77.32	109.740		
16,300.00	6,918.49	6,600.00	6,547.02	272.04	30.37	-71.91	67.93	809.75	8,584.27	8,506.90	77.37	110.949		
16,400.00	6,918.75	6,600.00	6,547.02	274.87	30.37	-71.91	67.93	809.75	8,683.42	8,605.99	77.42	112.156		
16,500.00	6,919.02	6,600.00	6,547.02	277.71	30.37	-71.91	67.93	809.75	8,782.58	8,705.11	77.48	113.360		
16,600.00	6,919.28	6,600.00	6,547.02	280.55	30.37	-71.91	67.93	809.75	8,881.77	8,804.24	77.53	114.560		
16,700.00	6,919.54	6,600.00	6,547.02	283.38	30.37	-71.91	67.93	809.75	8,980.97	8,903.39	77.58	115.758		
16,800.00	6,919.80	6,600.00	6,547.02	286.22	30.37	-71.91	67.93	809.75	9,080.20	9,002.56	77.64	116.953		
16,900.00	6,920.06	6,600.00	6,547.02	289.06	30.37	-71.91	67.93	809.75	9,179.43	9,101.74	77.70	118.145		
17,000.00	6,920.33	6,600.00	6,547.02	291.90	30.37	-71.91	67.93	809.75	9,278.69	9,200.94	77.75	119.333		
17,100.00	6,920.59	6,600.00	6,547.02	294.73	30.37	-71.91	67.93	809.75	9,377.96	9,300.15	77.81	120.519		
17,200.00	6,920.85	6,600.00	6,547.02	297.57	30.37	-71.91	67.93	809.75	9,477.25	9,399.37	77.87	121.702		
17,300.00	6,921.11	6,600.00	6,547.02	300.41	30.37	-71.91	67.93	809.75	9,576.55	9,498.61	77.93	122.881		
17,400.00	6,921.37	6,600.00	6,547.02	303.25	30.37	-71.91	67.93	809.75	9,675.86	9,597.87	78.00	124.057		
17,500.00	6,921.64	6,600.00	6,547.02	306.09	30.37	-71.91	67.93	809.75	9,775.19	9,697.14	78.06	125.230		
17,600.00	6,921.90	6,600.00	6,547.02	308.93	30.37	-71.91	67.93	809.75	9,874.54	9,796.41	78.12	126.400		
17,638.91	6,922.00	6,600.00	6,547.02	310.03	30.37	-71.91	67.93	809.75	9,913.19	9,835.04	78.15	126.854		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.63	104.55	10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.63	104.55	10.30	105.06	98.49	6.57	15.992		
200.00	200.00	200.00	200.00	3.34	3.34	5.63	104.55	10.30	105.06	98.39	6.67	15.742 CC, ES		
300.00	299.98	298.53	298.51	3.44	3.44	169.68	105.05	11.92	107.45	100.56	6.88	15.609 SF		
400.00	399.84	396.50	396.35	3.59	3.60	172.44	106.51	16.75	114.78	107.59	7.20	15.948		
500.00	499.45	493.40	492.88	3.79	3.80	176.29	108.91	24.67	127.49	119.88	7.61	16.747		
600.00	598.70	588.70	587.51	4.04	4.04	-179.50	112.19	35.50	145.98	137.86	8.12	17.985		
660.50	658.52	645.38	643.59	4.20	4.22	-177.01	114.57	43.37	160.07	151.61	8.46	18.918		
700.00	697.51	682.00	679.73	4.31	4.34	-175.47	116.28	49.02	170.20	161.51	8.69	19.579		
800.00	796.22	776.01	769.71	4.63	4.68	-171.82	121.14	65.06	197.75	188.44	9.31	21.232		
900.00	894.93	868.49	862.76	4.98	5.07	-168.66	126.63	83.17	227.01	217.06	9.96	22.804		
1,000.00	993.64	963.45	955.81	5.34	5.49	-166.22	132.12	101.28	256.77	246.13	10.65	24.119		
1,100.00	1,092.35	1,058.40	1,048.87	5.73	5.95	-164.28	137.60	119.40	286.87	275.51	11.37	25.238		
1,200.00	1,191.06	1,153.36	1,141.92	6.13	6.42	-162.71	143.09	137.51	317.22	305.10	12.11	26.188		
1,300.00	1,289.78	1,248.32	1,234.97	6.54	6.90	-161.41	148.57	155.62	347.74	334.86	12.88	26.996		
1,400.00	1,388.49	1,343.27	1,328.02	6.95	7.40	-160.32	154.06	173.73	378.40	364.73	13.67	27.685		
1,500.00	1,487.20	1,438.23	1,421.07	7.38	7.91	-159.39	159.55	191.84	409.17	394.70	14.47	28.277		
1,600.00	1,585.91	1,533.18	1,514.12	7.81	8.43	-158.60	165.03	209.95	440.02	424.73	15.29	28.786		
1,700.00	1,684.62	1,628.14	1,607.17	8.25	8.96	-157.91	170.52	228.06	470.93	454.82	16.11	29.228		
1,800.00	1,783.33	1,723.10	1,700.23	8.70	9.49	-157.30	176.00	246.17	501.91	484.96	16.95	29.614		
1,900.00	1,882.04	1,818.05	1,793.28	9.15	10.03	-156.76	181.49	264.28	532.92	515.13	17.79	29.951		
2,000.00	1,980.75	1,913.01	1,886.33	9.60	10.57	-156.28	186.98	282.39	563.98	545.33	18.64	30.248		
2,100.00	2,079.46	2,007.97	1,979.38	10.05	11.11	-155.85	192.46	300.51	595.06	575.56	19.50	30.511		
2,200.00	2,178.17	2,102.92	2,072.43	10.51	11.66	-155.47	197.95	318.62	626.18	605.81	20.37	30.745		
2,300.00	2,276.88	2,202.12	2,165.48	10.97	12.23	-155.12	203.44	336.73	657.31	636.06	21.26	30.924		
2,400.00	2,375.59	2,307.17	2,258.53	11.43	12.84	-154.80	208.92	354.84	688.47	666.29	22.18	31.043		
2,500.00	2,474.31	2,387.79	2,351.59	11.89	13.31	-154.51	214.41	372.95	719.64	696.66	22.98	31.310		
2,600.00	2,573.02	2,482.75	2,444.64	12.36	13.87	-154.25	219.89	391.06	750.83	726.97	23.86	31.462		
2,700.00	2,671.73	2,577.70	2,537.69	12.82	14.42	-154.00	225.38	409.17	782.04	757.29	24.75	31.601		
2,800.00	2,770.44	2,672.66	2,630.74	13.29	14.98	-153.77	230.87	427.28	813.25	787.62	25.63	31.726		
2,900.00	2,869.15	2,767.62	2,723.79	13.76	15.54	-153.57	236.35	445.39	844.48	817.95	26.52	31.841		
3,000.00	2,967.86	2,862.57	2,816.84	14.23	16.10	-153.37	241.84	463.51	875.71	848.30	27.41	31.946		
3,100.00	3,066.57	2,957.53	2,908.89	14.70	16.66	-153.19	247.33	481.62	906.95	878.65	28.30	32.043		
3,200.00	3,165.28	3,052.48	3,002.95	15.17	17.23	-153.02	252.81	499.73	938.20	909.01	29.20	32.132		
3,300.00	3,263.99	3,147.44	3,096.00	15.64	17.79	-152.86	258.30	517.84	969.46	939.37	30.09	32.214		
3,400.00	3,362.70	3,242.40	3,189.05	16.11	18.35	-152.71	263.78	535.95	1,000.73	969.73	30.99	32.289		
3,500.00	3,461.41	3,337.35	3,282.10	16.59	18.92	-152.57	269.27	554.06	1,032.00	1,000.11	31.89	32.360		
3,600.00	3,560.12	3,432.31	3,375.15	17.06	19.48	-152.44	274.76	572.17	1,063.27	1,030.48	32.79	32.425		
3,700.00	3,658.84	3,527.26	3,468.20	17.53	20.05	-152.32	280.24	590.28	1,094.55	1,060.86	33.69	32.486		
3,800.00	3,757.55	3,622.22	3,561.26	18.01	20.61	-152.20	285.73	608.39	1,125.84	1,091.24	34.60	32.543		
3,900.00	3,856.26	3,717.18	3,654.31	18.48	21.18	-152.09	291.22	626.50	1,157.12	1,121.62	35.50	32.596		
4,000.00	3,954.97	3,812.13	3,747.36	18.96	21.75	-151.99	296.70	644.62	1,188.42	1,152.01	36.40	32.645		
4,100.00	4,053.68	3,907.09	3,840.41	19.44	22.32	-151.89	302.19	662.73	1,219.71	1,182.40	37.31	32.692		
4,200.00	4,152.39	4,002.05	3,933.46	19.91	22.88	-151.79	307.67	680.84	1,251.01	1,212.79	38.22	32.736		
4,300.00	4,251.10	4,103.00	4,026.51	20.39	23.49	-151.70	313.16	698.95	1,282.31	1,243.16	39.15	32.751		
4,400.00	4,349.81	4,208.04	4,119.56	20.87	24.12	-151.62	318.65	717.06	1,313.61	1,273.50	40.11	32.749		
4,500.00	4,448.52	4,286.91	4,212.62	21.34	24.59	-151.54	324.13	735.17	1,344.92	1,303.98	40.94	32.852		
4,600.00	4,547.23	4,381.87	4,305.67	21.82	25.16	-151.46	329.62	753.28	1,376.23	1,334.38	41.85	32.886		
4,700.00	4,645.94	4,476.83	4,398.72	22.30	25.73	-151.39	335.10	771.39	1,407.54	1,364.78	42.76	32.919		
4,800.00	4,744.65	4,622.59	4,541.99	22.78	26.57	-151.32	342.87	797.03	1,437.72	1,393.59	44.13	32.581		
4,900.00	4,843.37	4,797.29	4,715.18	23.26	27.45	-151.43	349.44	818.72	1,463.08	1,417.46	45.62	32.072		
5,000.00	4,942.08	4,976.17	4,893.62	23.74	28.19	-151.75	352.98	830.41	1,483.15	1,436.19	46.96	31.586		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,123.37	5,040.79	24.21	28.70	-152.14	353.55	832.30	1,498.27	1,450.26	48.01	31.208		
5,200.00	5,139.50	5,222.08	5,139.50	24.69	29.03	-152.42	353.55	832.30	1,512.48	1,463.62	48.85	30.959		
5,300.00	5,238.21	5,320.79	5,238.21	25.17	29.35	-152.70	353.55	832.30	1,526.72	1,477.02	49.70	30.719		
5,400.00	5,336.92	5,419.50	5,336.92	25.65	29.68	-152.97	353.55	832.30	1,541.00	1,490.45	50.55	30.487		
5,500.00	5,435.63	5,518.21	5,435.63	26.13	30.02	-153.24	353.55	832.30	1,555.31	1,503.92	51.39	30.262		
5,600.00	5,534.34	5,616.92	5,534.34	26.61	30.35	-153.50	353.55	832.30	1,569.66	1,517.41	52.24	30.045		
5,700.00	5,633.05	5,715.63	5,633.05	27.09	30.69	-153.76	353.55	832.30	1,584.03	1,530.94	53.09	29.835		
5,800.00	5,731.76	5,814.34	5,731.76	27.57	31.03	-154.01	353.55	832.30	1,598.44	1,544.49	53.94	29.631		
5,900.00	5,830.47	5,913.05	5,830.47	28.05	31.37	-154.26	353.55	832.30	1,612.88	1,558.08	54.80	29.434		
6,000.00	5,929.18	7,993.36	7,023.72	28.53	45.68	162.45	306.57	-320.68	1,595.57	1,539.66	55.91	28.537		
6,100.00	6,027.90	8,002.57	7,023.67	29.01	45.88	162.27	306.40	-324.74	1,541.00	1,482.23	58.77	26.223		
6,200.00	6,126.61	8,001.50	7,023.62	29.49	45.85	162.09	306.24	-328.81	1,491.13	1,429.66	61.47	24.256		
6,300.00	6,225.32	8,005.57	7,023.57	29.97	45.94	161.92	306.07	-332.87	1,446.46	1,382.19	64.27	22.507		
6,311.21	6,236.38	8,006.02	7,023.56	30.03	45.95	161.90	306.05	-333.33	1,441.80	1,377.22	64.58	22.327		
6,350.00	6,274.70	8,006.42	7,023.55	30.21	45.96	-177.65	306.04	-333.72	1,426.26	1,360.64	65.62	21.736		
6,400.00	6,324.03	8,003.45	7,023.59	30.43	45.90	-153.67	306.16	-330.76	1,407.72	1,340.86	66.86	21.055		
6,450.00	6,373.00	8,003.42	7,023.68	30.65	45.90	-138.09	306.44	-323.89	1,391.00	1,322.89	68.11	20.423		
6,500.00	6,421.31	7,985.85	7,023.81	30.84	45.53	-128.81	306.87	-313.17	1,376.21	1,307.25	68.96	19.957		
6,550.00	6,468.66	7,971.32	7,023.99	31.03	45.22	-122.97	307.47	-298.65	1,363.42	1,293.63	69.79	19.536		
6,600.00	6,514.76	7,953.09	7,024.21	31.20	44.85	-118.93	308.21	-280.44	1,352.65	1,282.18	70.46	19.197		
6,650.00	6,559.32	7,931.27	7,024.48	31.37	44.39	-115.87	309.10	-258.64	1,343.85	1,272.88	70.97	18.936		
6,700.00	6,602.08	7,905.98	7,024.79	31.52	43.87	-113.35	310.13	-233.38	1,336.96	1,265.65	71.31	18.749		
6,750.00	6,642.77	7,877.40	7,025.15	31.65	43.31	-111.13	311.29	-204.82	1,331.85	1,260.33	71.52	18.622		
6,800.00	6,681.13	7,845.69	7,025.54	31.78	42.70	-109.09	312.58	-173.14	1,328.38	1,256.78	71.60	18.553		
6,850.00	6,716.93	7,811.06	7,025.97	31.89	42.04	-107.18	313.99	-138.54	1,326.34	1,254.80	71.55	18.538		
6,900.00	6,749.95	7,773.70	7,026.43	31.99	41.37	-105.37	315.51	-101.22	1,325.56	1,254.12	71.43	18.557		
6,911.72	6,757.26	7,764.58	7,026.54	32.01	41.21	-104.96	315.88	-92.10	1,325.53	1,254.13	71.40	18.566		
6,950.00	6,779.98	7,733.86	7,026.92	32.08	40.68	-103.66	317.13	-61.41	1,325.80	1,254.55	71.25	18.609		
7,000.00	6,806.85	7,708.22	7,027.44	32.16	40.24	-102.06	318.85	-19.37	1,326.86	1,255.59	71.28	18.616		
7,050.00	6,830.38	7,647.72	7,027.98	32.24	39.30	-100.60	320.64	24.65	1,328.53	1,257.73	70.80	18.764		
7,100.00	6,850.43	7,601.95	7,028.54	32.35	38.61	-99.29	322.50	70.39	1,330.62	1,260.04	70.57	18.854		
7,150.00	6,866.88	7,554.75	7,029.13	32.59	38.00	-98.17	324.43	117.54	1,332.94	1,262.50	70.44	18.923		
7,200.00	6,879.62	7,506.41	7,029.72	32.99	37.38	-97.24	326.39	165.83	1,335.35	1,265.03	70.32	18.989		
7,250.00	6,888.58	7,449.64	7,029.50	33.48	36.75	-96.45	328.71	222.54	1,337.64	1,267.43	70.21	19.052		
7,300.00	6,893.70	7,387.30	7,023.88	34.02	36.14	-95.70	331.23	284.56	1,339.38	1,269.23	70.15	19.092		
7,339.40	6,895.01	7,339.17	7,015.40	34.48	35.73	-95.16	333.16	331.89	1,340.33	1,270.14	70.20	19.094		
7,400.00	6,895.16	7,267.97	6,996.36	35.24	35.21	-94.33	335.95	400.39	1,341.31	1,270.87	70.43	19.043		
7,500.00	6,895.43	7,161.88	6,954.11	36.64	34.65	-92.51	339.91	497.49	1,342.64	1,271.40	71.24	18.846		
7,600.00	6,895.69	7,071.89	6,906.04	38.20	34.36	-90.45	343.00	573.41	1,344.98	1,272.58	72.41	18.576		
7,700.00	6,895.95	6,997.41	6,858.46	39.91	34.20	-88.42	345.34	630.62	1,349.84	1,276.08	73.75	18.302		
7,800.00	6,896.21	6,936.31	6,814.66	41.75	34.12	-86.55	347.07	673.15	1,358.41	1,283.22	75.18	18.068		
7,900.00	6,896.47	6,886.16	6,775.79	43.69	34.06	-84.91	348.36	704.79	1,371.54	1,294.92	76.62	17.901		
8,000.00	6,896.74	6,844.73	6,741.88	45.73	34.03	-83.49	349.33	728.56	1,389.79	1,311.78	78.00	17.817		
8,100.00	6,897.00	6,810.20	6,712.48	47.85	33.99	-82.26	350.06	746.65	1,413.42	1,334.11	79.31	17.822		
8,200.00	6,897.26	6,781.14	6,687.01	50.04	33.97	-81.21	350.63	760.62	1,442.51	1,362.01	80.50	17.919		
8,300.00	6,897.52	6,750.00	6,659.04	52.30	33.94	-80.06	351.19	774.29	1,476.99	1,395.48	81.52	18.119		
8,400.00	6,897.78	6,735.26	6,645.57	54.61	33.92	-79.50	351.43	780.28	1,516.61	1,434.11	82.50	18.384		
8,500.00	6,898.05	6,716.92	6,628.63	56.98	33.90	-78.81	351.72	787.29	1,561.16	1,477.86	83.29	18.743		
8,600.00	6,898.31	6,700.00	6,612.83	59.38	33.88	-78.17	351.97	793.33	1,610.30	1,526.34	83.95	19.181		
8,700.00	6,898.57	6,686.85	6,600.44	61.82	33.86	-77.67	352.15	797.73	1,663.69	1,579.18	84.51	19.687		
8,800.00	6,898.83	6,674.40	6,588.62	64.30	33.84	-77.20	352.31	801.66	1,721.00	1,636.05	84.95	20.260		
8,900.00	6,899.10	6,650.00	6,565.26	66.81	33.80	-76.26	352.59	808.69	1,782.01	1,696.83	85.18	20.920		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	6,650.00	6,565.26	69.34	33.80	-76.26	352.59	808.69	1,846.01	1,760.48	85.53	21.584		
9,100.00	6,899.62	6,650.00	6,565.26	71.90	33.80	-76.26	352.59	808.69	1,913.10	1,827.31	85.79	22.301		
9,200.00	6,899.88	6,650.00	6,565.26	74.48	33.80	-76.26	352.59	808.69	1,982.96	1,896.99	85.97	23.065		
9,300.00	6,900.14	6,628.94	6,544.90	77.08	33.76	-75.45	352.81	814.03	2,054.96	1,969.00	85.96	23.907		
9,400.00	6,900.41	6,622.22	6,538.36	79.70	33.75	-75.19	352.87	815.60	2,129.28	2,043.28	86.00	24.760		
9,500.00	6,900.67	6,600.00	6,516.64	82.33	33.71	-74.34	353.06	820.27	2,205.77	2,119.88	85.89	25.681		
9,600.00	6,900.93	6,600.00	6,516.64	84.97	33.71	-74.34	353.06	820.27	2,283.71	2,197.79	85.92	26.580		
9,700.00	6,901.19	6,600.00	6,516.64	87.63	33.71	-74.34	353.06	820.27	2,363.31	2,277.39	85.92	27.507		
9,800.00	6,901.45	6,600.00	6,516.64	90.31	33.71	-74.34	353.06	820.27	2,444.41	2,358.52	85.89	28.458		
9,900.00	6,901.72	6,600.00	6,516.64	92.99	33.71	-74.34	353.06	820.27	2,526.86	2,441.01	85.85	29.432		
10,000.00	6,901.98	6,600.00	6,516.64	95.68	33.71	-74.34	353.06	820.27	2,610.54	2,524.74	85.80	30.426		
10,100.00	6,902.24	6,600.00	6,516.64	98.38	33.71	-74.34	353.06	820.27	2,695.34	2,609.60	85.74	31.438		
10,200.00	6,902.50	6,600.00	6,516.64	101.09	33.71	-74.34	353.06	820.27	2,781.14	2,695.48	85.66	32.466		
10,300.00	6,902.76	6,580.75	6,497.70	103.81	33.66	-73.60	353.20	823.71	2,867.55	2,782.07	85.48	33.547		
10,400.00	6,903.03	6,577.55	6,494.54	106.53	33.65	-73.48	353.23	824.23	2,954.99	2,869.61	85.38	34.610		
10,500.00	6,903.29	6,574.55	6,491.58	109.26	33.65	-73.36	353.24	824.70	3,043.20	2,957.92	85.28	35.683		
10,600.00	6,903.55	6,571.72	6,488.78	112.00	33.64	-73.25	353.26	825.12	3,132.10	3,046.91	85.19	36.767		
10,700.00	6,903.81	6,550.00	6,467.25	114.75	33.59	-72.42	353.38	828.01	3,221.95	3,136.96	84.98	37.912		
10,800.00	6,904.08	6,550.00	6,467.25	117.49	33.59	-72.42	353.38	828.01	3,312.00	3,227.09	84.91	39.008		
10,900.00	6,904.34	6,550.00	6,467.25	120.25	33.59	-72.42	353.38	828.01	3,402.60	3,317.78	84.83	40.112		
11,000.00	6,904.60	6,550.00	6,467.25	123.00	33.59	-72.42	353.38	828.01	3,493.72	3,408.97	84.75	41.224		
11,100.00	6,904.86	6,550.00	6,467.25	125.77	33.59	-72.42	353.38	828.01	3,585.31	3,500.64	84.67	42.342		
11,200.00	6,905.12	6,550.00	6,467.25	128.53	33.59	-72.42	353.38	828.01	3,677.34	3,592.74	84.60	43.467		
11,300.00	6,905.39	6,550.00	6,467.25	131.30	33.59	-72.42	353.38	828.01	3,769.78	3,685.25	84.53	44.598		
11,400.00	6,905.65	6,550.00	6,467.25	134.08	33.59	-72.42	353.38	828.01	3,862.59	3,778.13	84.46	45.734		
11,500.00	6,905.91	6,550.00	6,467.25	136.85	33.59	-72.42	353.38	828.01	3,955.75	3,871.36	84.39	46.874		
11,600.00	6,906.17	6,550.00	6,467.25	139.63	33.59	-72.42	353.38	828.01	4,049.24	3,964.92	84.33	48.019		
11,700.00	6,906.43	6,550.00	6,467.25	142.42	33.59	-72.42	353.38	828.01	4,143.03	4,058.77	84.26	49.168		
11,800.00	6,906.70	6,550.00	6,467.25	145.20	33.59	-72.42	353.38	828.01	4,237.11	4,152.91	84.20	50.321		
11,900.00	6,906.96	6,550.00	6,467.25	147.99	33.59	-72.42	353.38	828.01	4,331.45	4,247.31	84.14	51.476		
12,000.00	6,907.22	6,550.00	6,467.25	150.78	33.59	-72.42	353.38	828.01	4,426.04	4,341.95	84.09	52.635		
12,100.00	6,907.48	6,550.00	6,467.25	153.57	33.59	-72.42	353.38	828.01	4,520.87	4,436.83	84.04	53.796		
12,200.00	6,907.74	6,550.00	6,467.25	156.37	33.59	-72.42	353.38	828.01	4,615.91	4,531.92	83.99	54.959		
12,300.00	6,908.01	6,550.00	6,467.25	159.17	33.59	-72.42	353.38	828.01	4,711.16	4,627.21	83.94	56.124		
12,400.00	6,908.27	6,550.00	6,467.25	161.97	33.59	-72.42	353.38	828.01	4,806.60	4,722.70	83.90	57.291		
12,500.00	6,908.53	6,550.00	6,467.25	164.77	33.59	-72.42	353.38	828.01	4,902.22	4,818.36	83.86	58.459		
12,600.00	6,908.79	6,550.00	6,467.25	167.57	33.59	-72.42	353.38	828.01	4,998.01	4,914.19	83.82	59.629		
12,700.00	6,909.06	6,550.00	6,467.25	170.38	33.59	-72.42	353.38	828.01	5,093.97	5,010.19	83.78	60.800		
12,800.00	6,909.32	6,550.00	6,467.25	173.18	33.59	-72.42	353.38	828.01	5,190.08	5,106.33	83.75	61.972		
12,900.00	6,909.58	6,550.00	6,467.25	175.99	33.59	-72.42	353.38	828.01	5,286.33	5,202.61	83.72	63.145		
13,000.00	6,909.84	6,550.00	6,467.25	178.80	33.59	-72.42	353.38	828.01	5,382.72	5,299.03	83.69	64.318		
13,100.00	6,910.10	6,550.00	6,467.25	181.61	33.59	-72.42	353.38	828.01	5,479.24	5,395.57	83.66	65.492		
13,200.00	6,910.37	6,550.00	6,467.25	184.42	33.59	-72.42	353.38	828.01	5,575.88	5,492.24	83.64	66.666		
13,300.00	6,910.63	6,550.00	6,467.25	187.24	33.59	-72.42	353.38	828.01	5,672.63	5,589.02	83.62	67.841		
13,400.00	6,910.89	6,550.00	6,467.25	190.05	33.59	-72.42	353.38	828.01	5,769.50	5,685.90	83.60	69.015		
13,500.00	6,911.15	6,550.00	6,467.25	192.87	33.59	-72.42	353.38	828.01	5,866.48	5,782.90	83.58	70.190		
13,600.00	6,911.41	6,527.70	6,445.07	195.68	33.53	-71.57	353.47	830.20	5,963.13	5,879.65	83.48	71.431		
13,700.00	6,911.68	6,526.93	6,444.30	198.50	33.52	-71.55	353.47	830.27	6,060.27	5,976.80	83.47	72.607		
13,800.00	6,911.94	6,526.18	6,443.55	201.32	33.52	-71.52	353.47	830.33	6,157.50	6,074.05	83.45	73.784		
13,900.00	6,912.20	6,525.46	6,442.83	204.14	33.52	-71.49	353.48	830.38	6,254.82	6,171.37	83.44	74.959		
14,000.00	6,912.46	6,524.76	6,442.13	206.96	33.52	-71.46	353.48	830.44	6,352.21	6,268.78	83.43	76.134		
14,100.00	6,912.72	6,524.07	6,441.45	209.78	33.52	-71.44	353.48	830.49	6,449.69	6,366.27	83.43	77.309		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,523.41	6,440.79	212.61	33.51	-71.41	353.48	830.54	6,547.25	6,463.82	83.42	78.483		
14,300.00	6,913.25	6,522.77	6,440.15	215.43	33.51	-71.39	353.48	830.58	6,644.87	6,561.45	83.42	79.655		
14,400.00	6,913.51	6,500.00	6,417.42	218.26	33.45	-70.53	353.54	831.85	6,742.97	6,659.64	83.34	80.913		
14,500.00	6,913.77	6,500.00	6,417.42	221.08	33.45	-70.53	353.54	831.85	6,840.71	6,757.37	83.34	82.082		
14,600.00	6,914.04	6,500.00	6,417.42	223.91	33.45	-70.53	353.54	831.85	6,938.51	6,855.17	83.35	83.250		
14,700.00	6,914.30	6,500.00	6,417.42	226.73	33.45	-70.53	353.54	831.85	7,036.38	6,953.03	83.35	84.417		
14,800.00	6,914.56	6,500.00	6,417.42	229.56	33.45	-70.53	353.54	831.85	7,134.30	7,050.94	83.36	85.582		
14,900.00	6,914.82	6,500.00	6,417.42	232.39	33.45	-70.53	353.54	831.85	7,232.28	7,148.91	83.37	86.747		
15,000.00	6,915.08	6,500.00	6,417.42	235.22	33.45	-70.53	353.54	831.85	7,330.32	7,246.93	83.38	87.910		
15,100.00	6,915.35	6,500.00	6,417.42	238.05	33.45	-70.53	353.54	831.85	7,428.40	7,345.00	83.40	89.071		
15,200.00	6,915.61	6,500.00	6,417.42	240.88	33.45	-70.53	353.54	831.85	7,526.54	7,443.13	83.41	90.231		
15,300.00	6,915.87	6,500.00	6,417.42	243.71	33.45	-70.53	353.54	831.85	7,624.73	7,541.29	83.43	91.390		
15,400.00	6,916.13	6,500.00	6,417.42	246.54	33.45	-70.53	353.54	831.85	7,722.96	7,639.51	83.45	92.547		
15,500.00	6,916.39	6,500.00	6,417.42	249.37	33.45	-70.53	353.54	831.85	7,821.23	7,737.77	83.47	93.703		
15,600.00	6,916.66	6,500.00	6,417.42	252.20	33.45	-70.53	353.54	831.85	7,919.55	7,836.06	83.49	94.857		
15,700.00	6,916.92	6,500.00	6,417.42	255.03	33.45	-70.53	353.54	831.85	8,017.92	7,934.40	83.51	96.009		
15,800.00	6,917.18	6,500.00	6,417.42	257.87	33.45	-70.53	353.54	831.85	8,116.32	8,032.78	83.54	97.159		
15,900.00	6,917.44	6,500.00	6,417.42	260.70	33.45	-70.53	353.54	831.85	8,214.76	8,131.20	83.56	98.308		
16,000.00	6,917.70	6,500.00	6,417.42	263.53	33.45	-70.53	353.54	831.85	8,313.24	8,229.65	83.59	99.455		
16,100.00	6,917.97	6,500.00	6,417.42	266.37	33.45	-70.53	353.54	831.85	8,411.75	8,328.13	83.62	100.600		
16,200.00	6,918.23	6,500.00	6,417.42	269.20	33.45	-70.53	353.54	831.85	8,510.30	8,426.65	83.65	101.743		
16,300.00	6,918.49	6,500.00	6,417.42	272.04	33.45	-70.53	353.54	831.85	8,608.88	8,525.20	83.68	102.884		
16,400.00	6,918.75	6,500.00	6,417.42	274.87	33.45	-70.53	353.54	831.85	8,707.49	8,623.79	83.71	104.023		
16,500.00	6,919.02	6,500.00	6,417.42	277.71	33.45	-70.53	353.54	831.85	8,806.14	8,722.40	83.74	105.160		
16,600.00	6,919.28	6,500.00	6,417.42	280.55	33.45	-70.53	353.54	831.85	8,904.81	8,821.04	83.77	106.295		
16,700.00	6,919.54	6,500.00	6,417.42	283.38	33.45	-70.53	353.54	831.85	9,003.52	8,919.71	83.81	107.428		
16,800.00	6,919.80	6,500.00	6,417.42	286.22	33.45	-70.53	353.54	831.85	9,102.25	9,018.40	83.85	108.559		
16,900.00	6,920.06	6,500.00	6,417.42	289.06	33.45	-70.53	353.54	831.85	9,201.01	9,117.13	83.88	109.688		
17,000.00	6,920.33	6,500.00	6,417.42	291.90	33.45	-70.53	353.54	831.85	9,299.80	9,215.88	83.92	110.814		
17,100.00	6,920.59	6,500.00	6,417.42	294.73	33.45	-70.53	353.54	831.85	9,398.61	9,314.65	83.96	111.938		
17,200.00	6,920.85	6,500.00	6,417.42	297.57	33.45	-70.53	353.54	831.85	9,497.45	9,413.44	84.00	113.060		
17,300.00	6,921.11	6,500.00	6,417.42	300.41	33.45	-70.53	353.54	831.85	9,596.31	9,512.26	84.05	114.180		
17,400.00	6,921.37	6,500.00	6,417.42	303.25	33.45	-70.53	353.54	831.85	9,695.19	9,611.11	84.09	115.297		
17,500.00	6,921.64	6,500.00	6,417.42	306.09	33.45	-70.53	353.54	831.85	9,794.10	9,709.97	84.13	116.412		
17,600.00	6,921.90	6,500.00	6,417.42	308.93	33.45	-70.53	353.54	831.85	9,893.03	9,808.85	84.18	117.525		
17,638.91	6,922.00	6,500.00	6,417.42	310.03	33.45	-70.53	353.54	831.85	9,931.53	9,847.33	84.20	117.957		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.85	29.87	3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.85	29.87	3.06	30.03	23.46	6.57	4.571		
200.00	200.00	200.00	200.00	3.34	3.34	5.85	29.87	3.06	30.03	23.36	6.67	4.499 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	169.50	29.87	3.06	31.74	24.86	6.89	4.610		
400.00	399.84	400.60	400.57	3.59	3.60	173.21	28.60	4.29	35.85	28.66	7.19	4.984		
500.00	499.45	501.02	500.85	3.79	3.79	-179.47	24.80	7.96	41.76	34.18	7.59	5.505		
600.00	598.70	601.06	600.50	4.04	4.03	-170.77	18.50	14.04	50.35	42.29	8.06	6.245		
660.50	658.52	661.32	660.36	4.20	4.19	-165.59	13.50	18.87	57.15	48.76	8.39	6.814		
700.00	697.51	700.56	699.26	4.31	4.30	-162.35	9.76	22.48	62.04	53.44	8.61	7.207		
800.00	796.22	800.44	797.03	4.63	4.60	-154.31	-1.37	33.23	74.91	65.69	9.22	8.127		
900.00	894.93	901.85	894.19	4.98	4.95	-147.80	-13.44	44.89	88.86	78.97	9.89	8.985		
1,000.00	993.64	1,003.25	991.34	5.34	5.31	-143.09	-25.51	56.55	103.63	93.02	10.61	9.767		
1,100.00	1,092.35	1,104.66	1,088.50	5.73	5.70	-139.56	-37.58	68.20	118.91	107.55	11.37	10.462		
1,200.00	1,191.06	1,206.07	1,185.65	6.13	6.10	-136.85	-49.65	79.86	134.54	122.39	12.15	11.071		
1,300.00	1,289.78	1,307.47	1,282.81	6.54	6.52	-134.70	-61.73	91.52	150.40	137.44	12.96	11.603		
1,400.00	1,388.49	1,391.12	1,379.96	6.95	6.87	-132.96	-73.80	103.18	166.42	152.71	13.72	12.133		
1,500.00	1,487.20	1,489.71	1,477.12	7.38	7.29	-131.53	-85.87	114.83	182.57	168.03	14.55	12.549		
1,600.00	1,585.91	1,588.31	1,574.27	7.81	7.72	-130.33	-97.94	126.49	198.82	183.42	15.40	12.914		
1,700.00	1,684.62	1,686.90	1,671.43	8.25	8.16	-129.31	-110.01	138.15	215.13	198.88	16.25	13.237		
1,800.00	1,783.33	1,785.49	1,768.58	8.70	8.60	-128.43	-122.08	149.81	231.51	214.39	17.12	13.522		
1,900.00	1,882.04	1,884.08	1,865.73	9.15	9.04	-127.68	-134.16	161.46	247.92	229.93	18.00	13.776		
2,000.00	1,980.75	1,982.68	1,962.89	9.60	9.49	-127.01	-146.23	173.12	264.38	245.50	18.88	14.004		
2,100.00	2,079.46	2,081.27	2,060.04	10.05	9.94	-126.42	-158.30	184.78	280.87	261.10	19.77	14.207		
2,200.00	2,178.17	2,179.86	2,157.20	10.51	10.40	-125.90	-170.37	196.44	297.38	276.71	20.66	14.391		
2,300.00	2,276.88	2,278.46	2,254.35	10.97	10.85	-125.44	-182.44	208.09	313.91	292.35	21.56	14.558		
2,400.00	2,375.59	2,377.05	2,351.51	11.43	11.31	-125.01	-194.51	219.75	330.46	307.99	22.47	14.709		
2,500.00	2,474.31	2,475.64	2,448.66	11.89	11.77	-124.63	-206.59	231.41	347.03	323.65	23.37	14.846		
2,600.00	2,573.02	2,574.24	2,545.82	12.36	12.24	-124.29	-218.66	243.06	363.61	339.32	24.29	14.972		
2,700.00	2,671.73	2,672.83	2,642.97	12.82	12.70	-123.97	-230.73	254.72	380.20	355.00	25.20	15.088		
2,800.00	2,770.44	2,771.42	2,740.13	13.29	13.17	-123.69	-242.80	266.38	396.80	370.69	26.12	15.194		
2,900.00	2,869.15	2,870.02	2,837.28	13.76	13.63	-123.42	-254.87	278.04	413.41	386.38	27.04	15.292		
3,000.00	2,967.86	2,968.61	2,934.43	14.23	14.10	-123.17	-266.94	289.69	430.03	402.08	27.96	15.382		
3,100.00	3,066.57	3,067.20	3,031.59	14.70	14.57	-122.95	-279.02	301.35	446.66	417.78	28.88	15.467		
3,200.00	3,165.28	3,165.80	3,128.74	15.17	15.04	-122.74	-291.09	313.01	463.29	433.49	29.80	15.545		
3,300.00	3,263.99	3,264.39	3,225.90	15.64	15.51	-122.54	-303.16	324.67	479.93	449.20	30.73	15.618		
3,400.00	3,362.70	3,362.98	3,323.05	16.11	15.98	-122.36	-315.23	336.32	496.57	464.92	31.66	15.686		
3,500.00	3,461.41	3,461.58	3,420.21	16.59	16.45	-122.19	-327.30	347.98	513.22	480.64	32.59	15.749		
3,600.00	3,560.12	3,560.17	3,517.36	17.06	16.93	-122.03	-339.37	359.64	529.88	496.36	33.52	15.809		
3,700.00	3,658.84	3,658.76	3,614.52	17.53	17.40	-121.88	-351.45	371.30	546.53	512.08	34.45	15.865		
3,800.00	3,757.55	3,757.36	3,711.67	18.01	17.87	-121.73	-363.52	382.95	563.19	527.81	35.38	15.918		
3,900.00	3,856.26	3,855.95	3,808.83	18.48	18.35	-121.60	-375.59	394.61	579.85	543.54	36.32	15.967		
4,000.00	3,954.97	3,954.54	3,905.98	18.96	18.82	-121.47	-387.66	406.27	596.52	559.27	37.25	16.014		
4,100.00	4,053.68	4,053.14	4,003.14	19.44	19.30	-121.36	-399.73	417.93	613.19	575.00	38.18	16.058		
4,200.00	4,152.39	4,151.73	4,100.29	19.91	19.77	-121.24	-411.80	429.58	629.86	590.74	39.12	16.100		
4,300.00	4,251.10	4,250.32	4,197.44	20.39	20.25	-121.14	-423.87	441.24	646.53	606.47	40.06	16.140		
4,400.00	4,349.81	4,348.92	4,294.60	20.87	20.72	-121.03	-435.95	452.90	663.21	622.21	41.00	16.178		
4,500.00	4,448.52	4,447.51	4,391.75	21.34	21.20	-120.94	-448.02	464.56	679.88	637.95	41.93	16.213		
4,600.00	4,547.23	4,546.10	4,488.91	21.82	21.68	-120.85	-460.09	476.21	696.56	653.69	42.87	16.248		
4,700.00	4,645.94	4,644.70	4,586.06	22.30	22.15	-120.76	-472.16	487.87	713.24	669.43	43.81	16.280		
4,800.00	4,744.65	4,743.29	4,683.22	22.78	22.63	-120.67	-484.23	499.53	729.92	685.17	44.75	16.311		
4,900.00	4,843.37	4,841.88	4,780.37	23.26	23.11	-120.59	-496.30	511.19	746.61	700.92	45.69	16.340		
5,000.00	4,942.08	4,940.48	4,877.53	23.74	23.59	-120.52	-508.38	522.84	763.29	716.66	46.63	16.369		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	5,039.07	4,974.68	24.21	24.06	-120.44	-520.45	534.50	779.98	732.41	47.57	16.396		
5,200.00	5,139.50	5,137.66	5,071.84	24.69	24.54	-120.37	-532.52	546.16	796.66	748.15	48.51	16.421		
5,300.00	5,238.21	5,236.26	5,168.99	25.17	25.02	-120.31	-544.59	557.82	813.35	763.90	49.46	16.446		
5,400.00	5,336.92	5,334.85	5,266.14	25.65	25.50	-120.24	-556.66	569.47	830.04	779.64	50.40	16.470		
5,500.00	5,435.63	5,433.44	5,363.30	26.13	25.98	-120.18	-568.73	581.13	846.73	795.39	51.34	16.492		
5,600.00	5,534.34	5,532.04	5,460.45	26.61	26.46	-120.12	-580.81	592.79	863.42	811.14	52.28	16.514		
5,700.00	5,633.05	5,630.63	5,557.61	27.09	26.94	-120.06	-592.88	604.44	880.12	826.89	53.23	16.535		
5,800.00	5,731.76	5,729.22	5,654.76	27.57	27.41	-120.01	-604.95	616.10	896.81	842.64	54.17	16.555		
5,900.00	5,830.47	5,827.82	5,751.92	28.05	27.89	-119.95	-617.02	627.76	913.50	858.39	55.11	16.575		
6,000.00	5,929.18	5,926.41	5,849.07	28.53	28.37	-119.90	-629.09	639.42	930.20	874.14	56.06	16.593		
6,100.00	6,027.90	6,025.00	5,946.23	29.01	28.85	-119.85	-641.16	651.07	946.89	889.89	57.00	16.611		
6,200.00	6,126.61	6,123.60	6,043.38	29.49	29.33	-119.81	-653.24	662.73	963.59	905.64	57.95	16.629		
6,300.00	6,225.32	6,036.17	7,193.31	29.97	42.29	169.56	-820.26	-293.06	971.36	950.26	21.09	46.049		
6,311.21	6,236.38	8,036.52	7,193.30	30.03	42.30	169.47	-820.27	-293.42	960.46	939.22	21.24	45.221		
6,350.00	6,274.70	8,036.57	7,193.30	30.21	42.30	177.40	-820.27	-293.47	922.81	901.04	21.76	42.400		
6,400.00	6,324.03	8,033.15	7,193.36	30.43	42.24	-172.11	-820.20	-290.05	874.56	852.07	22.49	38.887		
6,450.00	6,373.00	8,025.83	7,193.50	30.65	42.11	-166.21	-820.06	-282.73	826.93	803.65	23.28	35.522		
6,500.00	6,421.31	8,014.66	7,193.70	30.84	41.92	-163.57	-819.84	-271.56	780.25	756.10	24.15	32.312		
6,550.00	6,468.66	8,000.31	7,193.97	31.03	41.67	-162.29	-819.54	-256.60	734.83	709.72	25.11	29.264		
6,600.00	6,514.76	7,981.04	7,194.31	31.20	41.36	-161.50	-819.17	-237.95	690.99	664.82	26.17	26.403		
6,650.00	6,559.32	7,958.80	7,194.71	31.37	41.00	-160.82	-818.73	-215.72	649.04	621.69	27.35	23.731		
6,700.00	6,602.08	7,933.12	7,195.18	31.52	40.59	-160.11	-818.23	-190.05	609.26	580.62	28.65	21.269		
6,750.00	6,642.77	7,904.15	7,195.71	31.65	40.12	-159.31	-817.65	-161.09	571.93	541.87	30.06	19.028		
6,800.00	6,681.13	7,872.08	7,196.29	31.78	39.66	-158.41	-817.02	-129.03	537.29	505.70	31.59	17.010		
6,850.00	6,716.93	7,837.10	7,196.93	31.89	39.15	-157.39	-816.33	-94.06	505.56	472.36	33.21	15.224		
6,900.00	6,749.95	7,800.58	7,197.61	31.99	38.63	-156.27	-815.58	-56.40	476.92	442.03	34.90	13.666		
6,950.00	6,779.98	7,759.29	7,198.34	32.08	38.10	-155.08	-814.79	-16.28	451.51	414.90	36.61	12.332		
7,000.00	6,806.85	7,716.94	7,199.11	32.16	37.56	-153.85	-813.95	26.05	429.41	391.10	38.31	11.209		
7,050.00	6,830.38	7,672.64	7,199.91	32.24	37.04	-152.60	-813.08	70.33	410.66	370.72	39.94	10.282		
7,100.00	6,850.43	7,584.29	7,196.08	32.35	36.13	-149.37	-810.65	158.49	393.04	351.47	41.57	9.455		
7,150.00	6,866.88	7,499.93	7,181.17	32.59	35.38	-145.68	-806.92	241.38	373.75	329.16	44.59	8.382		
7,200.00	6,879.62	7,423.99	7,158.55	32.99	34.83	-141.78	-802.46	313.70	353.58	305.24	48.33	7.315		
7,250.00	6,888.58	7,355.19	7,130.81	33.48	34.41	-137.71	-797.55	376.42	333.25	280.96	52.28	6.374		
7,300.00	6,893.70	7,292.36	7,099.74	34.02	34.10	-133.44	-792.41	430.75	313.42	257.28	56.14	5.583		
7,339.40	6,895.01	7,246.39	7,073.70	34.48	33.90	-129.94	-788.27	468.41	298.56	239.57	58.99	5.061		
7,400.00	6,895.16	7,183.21	7,033.66	35.24	33.66	-122.25	-782.12	516.86	276.63	213.60	63.04	4.388		
7,500.00	6,895.43	7,099.66	6,973.75	36.64	33.38	-108.93	-773.25	574.32	247.00	178.58	68.42	3.610		
7,588.65	6,895.66	7,042.56	6,928.73	38.03	33.21	-98.03	-766.78	608.82	236.67	165.91	70.76	3.345		
7,600.00	6,895.69	7,036.17	6,923.50	38.20	33.19	-96.75	-766.03	612.42	236.86	166.02	70.84	3.344 SF		
7,700.00	6,895.95	6,987.18	6,882.30	39.91	33.04	-86.81	-760.23	638.24	254.80	185.02	69.78	3.652		
7,800.00	6,896.21	6,950.00	6,849.77	41.75	32.92	-79.38	-755.72	655.67	299.06	231.63	67.43	4.435		
7,900.00	6,896.47	6,917.78	6,820.80	43.69	32.82	-73.25	-751.75	669.19	361.80	296.32	65.48	5.525		
8,000.00	6,896.74	6,892.59	6,797.70	45.73	32.74	-68.76	-748.61	678.73	436.07	371.67	64.39	6.772		
8,100.00	6,897.00	6,871.71	6,778.28	47.85	32.67	-65.25	-745.98	685.93	517.45	453.61	63.84	8.105		
8,200.00	6,897.26	6,850.00	6,757.84	50.04	32.61	-61.83	-743.24	692.73	603.44	539.98	63.46	9.509		
8,300.00	6,897.52	6,839.21	6,747.61	52.30	32.57	-60.22	-741.87	695.84	692.44	628.95	63.49	10.907		
8,400.00	6,897.78	6,826.35	6,735.33	54.61	32.53	-58.38	-740.24	699.33	783.63	720.16	63.47	12.346		
8,500.00	6,898.05	6,815.17	6,724.61	56.98	32.49	-56.84	-738.81	702.16	876.38	812.88	63.50	13.802		
8,600.00	6,898.31	6,800.00	6,709.99	59.38	32.44	-54.86	-736.88	705.69	970.35	906.90	63.45	15.293		
8,700.00	6,898.57	6,800.00	6,709.99	61.82	32.44	-54.86	-736.88	705.69	1,065.17	1,001.52	63.65	16.735		
8,800.00	6,898.83	6,800.00	6,709.99	64.30	32.44	-54.86	-736.88	705.69	1,160.85	1,097.05	63.81	18.193		
8,900.00	6,899.10	6,782.12	6,692.65	66.81	32.38	-52.65	-734.60	709.40	1,256.84	1,193.12	63.72	19.725		

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

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<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	6,775.92	6,686.61	69.34	32.36	-51.92	-733.81	710.57	1,353.44	1,289.66	63.78	21.221		
9,100.00	6,899.62	6,770.31	6,681.13	71.90	32.34	-51.28	-733.09	711.58	1,450.43	1,386.59	63.84	22.721		
9,200.00	6,899.88	6,750.00	6,661.26	74.48	32.27	-49.06	-730.49	714.82	1,547.99	1,484.24	63.75	24.283		
9,300.00	6,900.14	6,750.00	6,661.26	77.08	32.27	-49.06	-730.49	714.82	1,645.44	1,581.58	63.86	25.767		
9,400.00	6,900.41	6,750.00	6,661.26	79.70	32.27	-49.06	-730.49	714.82	1,743.18	1,679.23	63.95	27.257		
9,500.00	6,900.67	6,750.00	6,661.26	82.33	32.27	-49.06	-730.49	714.82	1,841.16	1,777.12	64.04	28.750		
9,600.00	6,900.93	6,750.00	6,661.26	84.97	32.27	-49.06	-730.49	714.82	1,939.35	1,875.23	64.12	30.247		
9,700.00	6,901.19	6,750.00	6,661.26	87.63	32.27	-49.06	-730.49	714.82	2,037.71	1,973.52	64.19	31.745		
9,800.00	6,901.45	6,750.00	6,661.26	90.31	32.27	-49.06	-730.49	714.82	2,136.23	2,071.97	64.26	33.245		
9,900.00	6,901.72	6,750.00	6,661.26	92.99	32.27	-49.06	-730.49	714.82	2,234.88	2,170.55	64.32	34.745		
10,000.00	6,901.98	6,750.00	6,661.26	95.68	32.27	-49.06	-730.49	714.82	2,333.64	2,269.26	64.38	36.246		
10,100.00	6,902.24	6,750.00	6,661.26	98.38	32.27	-49.06	-730.49	714.82	2,432.50	2,368.06	64.44	37.747		
10,200.00	6,902.50	6,750.00	6,661.26	101.09	32.27	-49.06	-730.49	714.82	2,531.46	2,466.96	64.50	39.248		
10,300.00	6,902.76	6,729.60	6,641.19	103.81	32.19	-46.99	-727.89	717.44	2,630.08	2,565.64	64.44	40.812		
10,400.00	6,903.03	6,727.51	6,639.14	106.53	32.18	-46.79	-727.62	717.67	2,729.10	2,664.61	64.49	42.318		
10,500.00	6,903.29	6,725.54	6,637.20	109.26	32.18	-46.60	-727.37	717.88	2,828.18	2,763.65	64.54	43.822		
10,600.00	6,903.55	6,723.69	6,635.36	112.00	32.17	-46.42	-727.14	718.07	2,927.32	2,862.74	64.59	45.325		
10,700.00	6,903.81	6,721.93	6,633.63	114.75	32.16	-46.26	-726.91	718.25	3,026.51	2,961.87	64.63	46.826		
10,800.00	6,904.08	6,720.27	6,631.99	117.49	32.16	-46.10	-726.70	718.42	3,125.74	3,061.06	64.68	48.325		
10,900.00	6,904.34	6,700.00	6,611.96	120.25	32.08	-44.27	-724.12	720.07	3,225.35	3,160.70	64.65	49.893		
11,000.00	6,904.60	6,700.00	6,611.96	123.00	32.08	-44.27	-724.12	720.07	3,324.61	3,259.91	64.70	51.383		
11,100.00	6,904.86	6,700.00	6,611.96	125.77	32.08	-44.27	-724.12	720.07	3,423.92	3,359.16	64.76	52.870		
11,200.00	6,905.12	6,700.00	6,611.96	128.53	32.08	-44.27	-724.12	720.07	3,523.26	3,458.44	64.82	54.356		
11,300.00	6,905.39	6,700.00	6,611.96	131.30	32.08	-44.27	-724.12	720.07	3,622.64	3,557.77	64.88	55.840		
11,400.00	6,905.65	6,700.00	6,611.96	134.08	32.08	-44.27	-724.12	720.07	3,722.06	3,657.13	64.93	57.321		
11,500.00	6,905.91	6,700.00	6,611.96	136.85	32.08	-44.27	-724.12	720.07	3,821.50	3,756.51	64.99	58.800		
11,600.00	6,906.17	6,700.00	6,611.96	139.63	32.08	-44.27	-724.12	720.07	3,920.98	3,855.93	65.05	60.277		
11,700.00	6,906.43	6,700.00	6,611.96	142.42	32.08	-44.27	-724.12	720.07	4,020.48	3,955.37	65.11	61.751		
11,800.00	6,906.70	6,700.00	6,611.96	145.20	32.08	-44.27	-724.12	720.07	4,120.00	4,054.84	65.17	63.223		
11,900.00	6,906.96	6,700.00	6,611.96	147.99	32.08	-44.27	-724.12	720.07	4,219.55	4,154.32	65.23	64.692		
12,000.00	6,907.22	6,700.00	6,611.96	150.78	32.08	-44.27	-724.12	720.07	4,319.12	4,253.83	65.29	66.158		
12,100.00	6,907.48	6,700.00	6,611.96	153.57	32.08	-44.27	-724.12	720.07	4,418.70	4,353.36	65.35	67.621		
12,200.00	6,907.74	6,700.00	6,611.96	156.37	32.08	-44.27	-724.12	720.07	4,518.31	4,452.90	65.41	69.081		
12,300.00	6,908.01	6,700.00	6,611.96	159.17	32.08	-44.27	-724.12	720.07	4,617.93	4,552.46	65.47	70.538		
12,400.00	6,908.27	6,700.00	6,611.96	161.97	32.08	-44.27	-724.12	720.07	4,717.57	4,652.04	65.53	71.992		
12,500.00	6,908.53	6,700.00	6,611.96	164.77	32.08	-44.27	-724.12	720.07	4,817.22	4,751.63	65.59	73.443		
12,600.00	6,908.79	6,700.00	6,611.96	167.57	32.08	-44.27	-724.12	720.07	4,916.89	4,851.24	65.65	74.890		
12,700.00	6,909.06	6,700.00	6,611.96	170.38	32.08	-44.27	-724.12	720.07	5,016.57	4,950.85	65.72	76.334		
12,800.00	6,909.32	6,700.00	6,611.96	173.18	32.08	-44.27	-724.12	720.07	5,116.26	5,050.48	65.78	77.775		
12,900.00	6,909.58	6,700.00	6,611.96	175.99	32.08	-44.27	-724.12	720.07	5,215.97	5,150.12	65.85	79.212		
13,000.00	6,909.84	6,700.00	6,611.96	178.80	32.08	-44.27	-724.12	720.07	5,315.68	5,249.77	65.91	80.646		
13,100.00	6,910.10	6,700.00	6,611.96	181.61	32.08	-44.27	-724.12	720.07	5,415.41	5,349.43	65.98	82.076		
13,200.00	6,910.37	6,700.00	6,611.96	184.42	32.08	-44.27	-724.12	720.07	5,515.15	5,449.10	66.05	83.503		
13,300.00	6,910.63	6,700.00	6,611.96	187.24	32.08	-44.27	-724.12	720.07	5,614.89	5,548.78	66.12	84.925		
13,400.00	6,910.89	6,700.00	6,611.96	190.05	32.08	-44.27	-724.12	720.07	5,714.65	5,648.46	66.18	86.344		
13,500.00	6,911.15	6,700.00	6,611.96	192.87	32.08	-44.27	-724.12	720.07	5,814.41	5,748.16	66.25	87.760		
13,600.00	6,911.41	6,700.00	6,611.96	195.68	32.08	-44.27	-724.12	720.07	5,914.18	5,847.86	66.32	89.171		
13,700.00	6,911.68	6,700.00	6,611.96	198.50	32.08	-44.27	-724.12	720.07	6,013.96	5,947.56	66.39	90.579		
13,800.00	6,911.94	6,700.00	6,611.96	201.32	32.08	-44.27	-724.12	720.07	6,113.75	6,047.28	66.47	91.982		
13,900.00	6,912.20	6,700.00	6,611.96	204.14	32.08	-44.27	-724.12	720.07	6,213.54	6,147.00	66.54	93.382		
14,000.00	6,912.46	6,700.00	6,611.96	206.96	32.08	-44.27	-724.12	720.07	6,313.34	6,246.73	66.61	94.777		
14,100.00	6,912.72	6,700.00	6,611.96	209.78	32.08	-44.27	-724.12	720.07	6,413.14	6,346.46	66.69	96.169		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,700.00	6,611.96	212.61	32.08	-44.27	-724.12	720.07	6,512.95	6,446.19	66.76	97.556		
14,300.00	6,913.25	6,700.00	6,611.96	215.43	32.08	-44.27	-724.12	720.07	6,612.77	6,545.94	66.84	98.939		
14,400.00	6,913.51	6,700.00	6,611.96	218.26	32.08	-44.27	-724.12	720.07	6,712.59	6,645.68	66.91	100.318		
14,500.00	6,913.77	6,700.00	6,611.96	221.08	32.08	-44.27	-724.12	720.07	6,812.42	6,745.43	66.99	101.693		
14,600.00	6,914.04	6,700.00	6,611.96	223.91	32.08	-44.27	-724.12	720.07	6,912.26	6,845.19	67.07	103.063		
14,700.00	6,914.30	6,700.00	6,611.96	226.73	32.08	-44.27	-724.12	720.07	7,012.09	6,944.95	67.15	104.430		
14,800.00	6,914.56	6,700.00	6,611.96	229.56	32.08	-44.27	-724.12	720.07	7,111.94	7,044.71	67.23	105.792		
14,900.00	6,914.82	6,700.00	6,611.96	232.39	32.08	-44.27	-724.12	720.07	7,211.78	7,144.48	67.31	107.149		
15,000.00	6,915.08	6,700.00	6,611.96	235.22	32.08	-44.27	-724.12	720.07	7,311.63	7,244.25	67.39	108.502		
15,100.00	6,915.35	6,700.00	6,611.96	238.05	32.08	-44.27	-724.12	720.07	7,411.49	7,344.02	67.47	109.851		
15,200.00	6,915.61	6,700.00	6,611.96	240.88	32.08	-44.27	-724.12	720.07	7,511.35	7,443.79	67.55	111.195		
15,300.00	6,915.87	6,700.00	6,611.96	243.71	32.08	-44.27	-724.12	720.07	7,611.21	7,543.57	67.63	112.535		
15,400.00	6,916.13	6,700.00	6,611.96	246.54	32.08	-44.27	-724.12	720.07	7,711.07	7,643.36	67.72	113.871		
15,500.00	6,916.39	6,700.00	6,611.96	249.37	32.08	-44.27	-724.12	720.07	7,810.94	7,743.14	67.80	115.201		
15,600.00	6,916.66	6,700.00	6,611.96	252.20	32.08	-44.27	-724.12	720.07	7,910.82	7,842.93	67.89	116.528		
15,700.00	6,916.92	6,700.00	6,611.96	255.03	32.08	-44.27	-724.12	720.07	8,010.69	7,942.72	67.97	117.850		
15,800.00	6,917.18	6,700.00	6,611.96	257.87	32.08	-44.27	-724.12	720.07	8,110.57	8,042.51	68.06	119.167		
15,900.00	6,917.44	6,700.00	6,611.96	260.70	32.08	-44.27	-724.12	720.07	8,210.45	8,142.30	68.15	120.479		
16,000.00	6,917.70	6,700.00	6,611.96	263.53	32.08	-44.27	-724.12	720.07	8,310.34	8,242.10	68.24	121.787		
16,100.00	6,917.97	6,700.00	6,611.96	266.37	32.08	-44.27	-724.12	720.07	8,410.22	8,341.90	68.33	123.090		
16,200.00	6,918.23	6,700.00	6,611.96	269.20	32.08	-44.27	-724.12	720.07	8,510.11	8,441.70	68.42	124.389		
16,300.00	6,918.49	6,700.00	6,611.96	272.04	32.08	-44.27	-724.12	720.07	8,610.01	8,541.50	68.51	125.683		
16,400.00	6,918.75	6,700.00	6,611.96	274.87	32.08	-44.27	-724.12	720.07	8,709.90	8,641.31	68.60	126.972		
16,500.00	6,919.02	6,700.00	6,611.96	277.71	32.08	-44.27	-724.12	720.07	8,809.80	8,741.11	68.69	128.257		
16,600.00	6,919.28	6,700.00	6,611.96	280.55	32.08	-44.27	-724.12	720.07	8,909.70	8,840.92	68.78	129.537		
16,700.00	6,919.54	6,700.00	6,611.96	283.38	32.08	-44.27	-724.12	720.07	9,009.60	8,940.73	68.87	130.812		
16,800.00	6,919.80	6,700.00	6,611.96	286.22	32.08	-44.27	-724.12	720.07	9,109.51	9,040.54	68.97	132.082		
16,900.00	6,920.06	6,700.00	6,611.96	289.06	32.08	-44.27	-724.12	720.07	9,209.41	9,140.35	69.06	133.348		
17,000.00	6,920.33	6,700.00	6,611.96	291.90	32.08	-44.27	-724.12	720.07	9,309.32	9,240.16	69.16	134.608		
17,100.00	6,920.59	6,700.00	6,611.96	294.73	32.08	-44.27	-724.12	720.07	9,409.23	9,339.98	69.25	135.864		
17,200.00	6,920.85	6,700.00	6,611.96	297.57	32.08	-44.27	-724.12	720.07	9,509.14	9,439.79	69.35	137.116		
17,300.00	6,921.11	6,700.00	6,611.96	300.41	32.08	-44.27	-724.12	720.07	9,609.06	9,539.61	69.45	138.362		
17,400.00	6,921.37	6,700.00	6,611.96	303.25	32.08	-44.27	-724.12	720.07	9,708.97	9,639.43	69.55	139.604		
17,500.00	6,921.64	6,700.00	6,611.96	306.09	32.08	-44.27	-724.12	720.07	9,808.89	9,739.24	69.65	140.840		
17,600.00	6,921.90	6,700.00	6,611.96	308.93	32.08	-44.27	-724.12	720.07	9,908.81	9,839.06	69.74	142.072		
17,638.91	6,922.00	6,700.00	6,611.96	310.03	32.08	-44.27	-724.12	720.07	9,947.68	9,877.90	69.78	142.550		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.68	44.81	4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.81	4.45	45.03	38.46	6.57	6.854		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.81	4.45	45.03	38.36	6.67	6.747 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	169.14	44.81	4.45	46.74	39.86	6.89	6.789		
400.00	399.84	400.79	400.77	3.59	3.60	171.90	43.67	5.81	50.96	43.77	7.19	7.085		
500.00	499.45	501.35	501.18	3.79	3.79	177.69	40.25	9.86	57.15	49.56	7.59	7.531		
600.00	598.70	601.43	600.87	4.04	4.03	-174.97	34.60	16.57	66.10	58.04	8.06	8.197		
660.50	658.52	661.66	660.70	4.20	4.19	-170.35	30.12	21.89	73.18	64.79	8.39	8.723		
700.00	697.51	700.85	699.55	4.31	4.30	-167.39	26.77	25.87	78.29	69.68	8.61	9.091		
800.00	796.22	800.35	797.13	4.63	4.61	-159.97	16.84	37.67	91.79	82.57	9.22	9.958		
900.00	894.93	901.99	894.09	4.98	4.95	-153.86	6.16	50.35	106.47	96.58	9.89	10.766		
1,000.00	993.64	1,003.63	991.04	5.34	5.32	-149.25	-4.51	63.02	122.05	111.44	10.61	11.507		
1,100.00	1,092.35	1,105.27	1,087.99	5.73	5.71	-145.70	-15.19	75.70	138.23	126.87	11.36	12.167		
1,200.00	1,191.06	1,206.91	1,184.95	6.13	6.11	-142.89	-25.86	88.38	154.82	142.67	12.14	12.749		
1,300.00	1,289.78	1,308.55	1,281.90	6.54	6.53	-140.64	-36.54	101.05	171.70	158.75	12.95	13.258		
1,400.00	1,388.49	1,389.81	1,378.85	6.95	6.87	-138.78	-47.21	113.73	188.80	175.10	13.69	13.789		
1,500.00	1,487.20	1,488.17	1,475.81	7.38	7.29	-137.24	-57.89	126.41	206.05	191.53	14.52	14.191		
1,600.00	1,585.91	1,586.53	1,572.76	7.81	7.72	-135.93	-68.56	139.09	223.43	208.07	15.36	14.545		
1,700.00	1,684.62	1,684.89	1,669.71	8.25	8.15	-134.81	-79.24	151.76	240.91	224.70	16.21	14.858		
1,800.00	1,783.33	1,783.25	1,766.67	8.70	8.59	-133.84	-89.91	164.44	258.46	241.39	17.08	15.136		
1,900.00	1,882.04	1,881.61	1,863.62	9.15	9.03	-133.00	-100.59	177.12	276.08	258.13	17.95	15.383		
2,000.00	1,980.75	1,979.97	1,960.57	9.60	9.48	-132.26	-111.26	189.79	293.75	274.92	18.83	15.604		
2,100.00	2,079.46	2,078.33	2,057.53	10.05	9.93	-131.60	-121.93	202.47	311.46	291.75	19.71	15.802		
2,200.00	2,178.17	2,176.69	2,154.48	10.51	10.38	-131.01	-132.61	215.15	329.20	308.60	20.60	15.981		
2,300.00	2,276.88	2,275.05	2,251.44	10.97	10.83	-130.48	-143.28	227.82	346.98	325.48	21.49	16.143		
2,400.00	2,375.59	2,373.41	2,348.39	11.43	11.29	-130.01	-153.96	240.50	364.78	342.39	22.39	16.290		
2,500.00	2,474.31	2,471.77	2,445.34	11.89	11.75	-129.58	-164.63	253.18	382.60	359.31	23.30	16.423		
2,600.00	2,573.02	2,570.13	2,542.30	12.36	12.21	-129.18	-175.31	265.85	400.44	376.24	24.20	16.546		
2,700.00	2,671.73	2,668.49	2,639.25	12.82	12.67	-128.82	-185.98	278.53	418.30	393.19	25.11	16.658		
2,800.00	2,770.44	2,766.85	2,736.20	13.29	13.13	-128.49	-196.66	291.21	436.18	410.16	26.02	16.762		
2,900.00	2,869.15	2,865.21	2,833.16	13.76	13.60	-128.19	-207.33	303.88	454.06	427.13	26.94	16.857		
3,000.00	2,967.86	2,963.57	2,930.11	14.23	14.06	-127.91	-218.01	316.56	471.96	444.11	27.85	16.945		
3,100.00	3,066.57	3,061.93	3,027.06	14.70	14.53	-127.65	-228.68	329.24	489.87	461.10	28.77	17.027		
3,200.00	3,165.28	3,160.29	3,124.02	15.17	15.00	-127.40	-239.36	341.91	507.79	478.10	29.69	17.103		
3,300.00	3,263.99	3,258.65	3,220.97	15.64	15.47	-127.18	-250.03	354.59	525.71	495.10	30.61	17.174		
3,400.00	3,362.70	3,357.01	3,317.93	16.11	15.94	-126.97	-260.71	367.27	543.65	512.11	31.53	17.240		
3,500.00	3,461.41	3,455.37	3,414.88	16.59	16.41	-126.77	-271.38	379.94	561.59	529.13	32.46	17.302		
3,600.00	3,560.12	3,553.73	3,511.83	17.06	16.88	-126.58	-282.06	392.62	579.53	546.15	33.38	17.360		
3,700.00	3,658.84	3,652.09	3,608.79	17.53	17.35	-126.41	-292.73	405.30	597.49	563.17	34.31	17.414		
3,800.00	3,757.55	3,750.45	3,705.74	18.01	17.82	-126.25	-303.41	417.97	615.44	580.20	35.24	17.465		
3,900.00	3,856.26	3,848.81	3,802.69	18.48	18.29	-126.09	-314.08	430.65	633.40	597.24	36.17	17.513		
4,000.00	3,954.97	3,947.17	3,899.65	18.96	18.76	-125.95	-324.76	443.33	651.37	614.27	37.10	17.559		
4,100.00	4,053.68	4,045.53	3,996.60	19.44	19.24	-125.81	-335.43	456.00	669.34	631.31	38.03	17.602		
4,200.00	4,152.39	4,143.89	4,093.55	19.91	19.71	-125.68	-346.11	468.68	687.31	648.35	38.96	17.642		
4,300.00	4,251.10	4,242.25	4,190.51	20.39	20.18	-125.55	-356.78	481.36	705.29	665.40	39.89	17.681		
4,400.00	4,349.81	4,340.61	4,287.46	20.87	20.66	-125.43	-367.45	494.03	723.27	682.44	40.82	17.717		
4,500.00	4,448.52	4,438.97	4,384.41	21.34	21.13	-125.32	-378.13	506.71	741.25	699.49	41.76	17.752		
4,600.00	4,547.23	4,537.33	4,481.37	21.82	21.61	-125.21	-388.80	519.39	759.23	716.54	42.69	17.785		
4,700.00	4,645.94	4,635.69	4,578.32	22.30	22.08	-125.11	-399.48	532.06	777.22	733.60	43.62	17.817		
4,800.00	4,744.65	4,734.05	4,675.28	22.78	22.55	-125.01	-410.15	544.74	795.21	750.65	44.56	17.846		
4,900.00	4,843.37	4,832.41	4,772.23	23.26	23.03	-124.92	-420.83	557.42	813.20	767.71	45.49	17.875		
5,000.00	4,942.08	4,930.77	4,869.18	23.74	23.51	-124.83	-431.50	570.09	831.19	784.76	46.43	17.902		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	5,029.13	4,966.14	24.21	23.98	-124.75	-442.18	582.77	849.19	801.82	47.37	17.928		
5,200.00	5,139.50	5,127.49	5,063.09	24.69	24.46	-124.67	-452.85	595.45	867.19	818.88	48.30	17.953		
5,300.00	5,238.21	5,225.85	5,160.04	25.17	24.93	-124.59	-463.53	608.12	885.18	835.94	49.24	17.977		
5,400.00	5,336.92	5,324.21	5,257.00	25.65	25.41	-124.51	-474.20	620.80	903.18	853.01	50.18	18.000		
5,500.00	5,435.63	5,422.57	5,353.95	26.13	25.89	-124.44	-484.88	633.48	921.19	870.07	51.11	18.022		
5,600.00	5,534.34	5,520.93	5,450.90	26.61	26.36	-124.37	-495.55	646.15	939.19	887.14	52.05	18.043		
5,700.00	5,633.05	5,619.29	5,547.86	27.09	26.84	-124.30	-506.23	658.83	957.19	904.20	52.99	18.063		
5,800.00	5,731.76	5,717.64	5,644.81	27.57	27.32	-124.24	-516.90	671.51	975.20	921.27	53.93	18.083		
5,900.00	5,830.47	5,816.00	5,741.77	28.05	27.79	-124.18	-527.58	684.18	993.21	938.34	54.87	18.102		
6,000.00	5,929.18	5,914.72	5,840.43	28.53	28.27	-124.11	-538.26	696.86	1011.22	956.35	55.80	18.121		
6,100.00	6,027.90	6,012.44	5,942.15	29.01	28.74	-124.04	-548.94	709.54	1029.23	974.36	56.72	18.140		
6,200.00	6,126.61	6,110.16	6,033.86	29.49	29.21	-123.97	-559.62	722.22	1047.24	992.37	57.64	18.159		
6,300.00	6,225.32	6,207.87	6,121.57	29.97	29.68	-123.90	-570.30	734.90	1065.25	1010.38	58.56	18.178		
6,311.21	6,236.38	6,217.93	6,132.63	30.03	29.73	-123.83	-573.42	738.02	1068.30	1013.43	58.69	18.183		
6,350.00	6,274.70	6,255.25	6,171.00	30.21	29.91	-123.76	-576.54	741.14	1071.35	1016.48	58.82	18.188		
6,400.00	6,324.03	6,303.58	6,220.33	30.43	30.12	-123.69	-579.66	744.26	1074.39	1019.53	58.95	18.193		
6,450.00	6,373.00	6,351.55	6,269.68	30.65	30.33	-123.62	-582.78	747.38	1077.43	1022.58	59.08	18.198		
6,500.00	6,421.31	6,400.86	6,319.03	30.84	30.52	-123.55	-585.90	750.50	1080.47	1025.63	59.21	18.203		
6,550.00	6,468.66	6,447.21	6,368.38	31.03	30.71	-123.48	-589.02	753.62	1083.51	1028.68	59.34	18.208		
6,600.00	6,514.76	6,493.31	6,417.69	31.20	30.88	-123.41	-592.14	756.74	1086.55	1031.73	59.47	18.213		
6,650.00	6,559.32	6,537.87	6,467.04	31.37	31.05	-123.34	-595.26	759.86	1089.59	1034.78	59.60	18.218		
6,700.00	6,602.08	6,580.63	6,516.40	31.52	31.20	-123.27	-598.38	762.98	1092.63	1037.83	59.73	18.223		
6,750.00	6,642.77	6,621.32	6,565.75	31.65	31.33	-123.20	-601.50	766.10	1095.67	1040.88	59.86	18.228		
6,800.00	6,681.13	6,659.68	6,615.11	31.78	31.46	-123.13	-604.62	769.22	1098.71	1043.93	59.99	18.233		
6,850.00	6,716.93	6,695.48	6,664.46	31.89	31.57	-123.06	-607.74	772.34	1101.75	1046.98	60.12	18.238		
6,900.00	6,749.95	6,728.03	6,697.48	31.99	31.67	-123.00	-610.86	775.46	1104.79	1049.99	60.25	18.243		
6,950.00	6,779.98	6,757.06	6,727.51	32.08	31.76	-122.93	-613.98	778.58	1107.83	1053.04	60.38	18.248		
6,995.38	6,804.50	6,781.58	6,752.03	32.15	31.83	-122.86	-617.10	781.70	1110.87	1056.09	60.51	18.253		
7,000.00	6,806.85	6,783.93	6,754.38	32.16	31.84	-122.85	-617.22	781.82	1111.00	1056.22	60.52	18.254		
7,050.00	6,830.38	6,807.46	6,777.91	32.24	31.92	-122.78	-620.34	784.94	1114.04	1059.27	60.65	18.259		
7,100.00	6,850.43	6,827.51	6,798.00	32.35	32.03	-122.71	-623.46	788.06	1117.08	1062.32	60.78	18.264		
7,150.00	6,866.88	6,843.96	6,814.45	32.59	32.27	-122.64	-626.58	791.18	1120.12	1065.37	60.91	18.269		
7,200.00	6,879.62	6,856.70	6,827.19	32.99	32.67	-122.57	-629.70	794.30	1123.16	1068.42	61.04	18.274		
7,250.00	6,888.58	6,865.66	6,836.15	33.48	33.16	-122.50	-632.82	797.42	1126.20	1071.47	61.17	18.279		
7,300.00	6,893.70	6,870.78	6,841.27	34.02	33.70	-122.43	-635.94	800.54	1129.24	1074.52	61.30	18.284		
7,339.40	6,895.01	6,872.09	6,843.58	34.48	34.16	-122.36	-639.06	803.66	1132.28	1077.57	61.43	18.289		
7,400.00	6,895.16	6,872.24	6,843.63	35.24	34.92	-122.29	-642.18	806.78	1135.32	1080.62	61.56	18.294		
7,500.00	6,895.43	6,872.51	6,843.90	36.64	36.32	-122.22	-645.30	810.90	1138.36	1083.67	61.69	18.299		
7,600.00	6,895.69	6,872.77	6,844.16	38.20	37.88	-122.15	-648.42	815.02	1141.40	1086.72	61.82	18.304		
7,700.00	6,895.95	6,873.03	6,844.42	39.91	39.59	-122.08	-651.54	819.14	1144.44	1089.77	61.95	18.309		
7,800.00	6,896.21	6,873.29	6,844.68	41.75	41.43	-122.01	-654.66	823.26	1147.48	1092.82	62.08	18.314		
7,900.00	6,896.47	6,873.55	6,844.94	43.69	43.37	-121.94	-657.78	827.38	1150.52	1095.87	62.21	18.319		
8,000.00	6,896.74	6,873.82	6,845.21	45.73	45.41	-121.87	-660.90	831.50	1153.56	1098.92	62.34	18.324		
8,100.00	6,897.00	6,874.08	6,845.47	47.85	47.53	-121.80	-664.02	835.62	1156.60	1101.97	62.47	18.329		
8,200.00	6,897.26	6,874.34	6,845.73	50.04	49.72	-121.73	-667.14	839.74	1159.64	1105.02	62.60	18.334		
8,300.00	6,897.52	6,874.60	6,845.99	52.30	51.98	-121.66	-670.26	843.86	1162.68	1108.07	62.73	18.339		
8,400.00	6,897.78	6,874.86	6,846.25	54.61	54.29	-121.59	-673.38	847.98	1165.72	1111.12	62.86	18.344		
8,500.00	6,898.05	6,875.12	6,846.51	56.98	56.66	-121.52	-676.50	852.10	1168.76	1114.17	62.99	18.349		
8,600.00	6,898.31	6,875.38	6,846.77	59.38	59.06	-121.45	-679.62	856.22	1171.80	1117.22	63.12	18.354		
8,700.00	6,898.57	6,875.64	6,847.03	61.82	61.50	-121.38	-682.74	860.34	1174.84	1120.27	63.25	18.359		
8,800.00	6,898.83	6,875.90	6,847.29	64.30	63.98	-121.31	-685.86	864.46	1177.88	1123.32	63.38	18.364		
8,900.00	6,899.10	6,876.16	6,847.55	66.81	66.49	-121.24	-688.98	868.58	1180.92	1126.37	63.51	18.369		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	6,550.00	6,462.47	69.34	31.02	-42.11	-609.29	703.16	1,441.69	1,380.35	61.34	23.502		
9,100.00	6,899.62	6,550.00	6,462.47	71.90	31.02	-42.11	-609.29	703.16	1,533.65	1,471.94	61.70	24.855		
9,200.00	6,899.88	6,526.32	6,440.33	74.48	30.94	-40.89	-606.52	711.09	1,625.95	1,564.21	61.74	26.335		
9,300.00	6,900.14	6,517.65	6,432.15	77.08	30.92	-40.46	-605.50	713.78	1,719.15	1,657.22	61.94	27.756		
9,400.00	6,900.41	6,500.00	6,415.39	79.70	30.86	-39.60	-603.42	718.91	1,813.03	1,751.01	62.02	29.232		
9,500.00	6,900.67	6,500.00	6,415.39	82.33	30.86	-39.60	-603.42	718.91	1,907.24	1,844.98	62.26	30.632		
9,600.00	6,900.93	6,500.00	6,415.39	84.97	30.86	-39.60	-603.42	718.91	2,002.01	1,939.54	62.47	32.046		
9,700.00	6,901.19	6,500.00	6,415.39	87.63	30.86	-39.60	-603.42	718.91	2,097.27	2,034.61	62.66	33.471		
9,800.00	6,901.45	6,500.00	6,415.39	90.31	30.86	-39.60	-603.42	718.91	2,192.94	2,130.12	62.83	34.905		
9,900.00	6,901.72	6,477.72	6,394.05	92.99	30.78	-38.57	-600.80	724.72	2,288.50	2,225.67	62.83	36.426		
10,000.00	6,901.98	6,472.57	6,389.09	95.68	30.77	-38.33	-600.20	725.96	2,384.62	2,321.68	62.94	37.887		
10,100.00	6,902.24	6,450.00	6,367.22	98.38	30.69	-37.34	-597.54	730.90	2,481.31	2,418.37	62.94	39.423		
10,200.00	6,902.50	6,450.00	6,367.22	101.09	30.69	-37.34	-597.54	730.90	2,577.79	2,514.72	63.08	40.869		
10,300.00	6,902.76	6,450.00	6,367.22	103.81	30.69	-37.34	-597.54	730.90	2,674.53	2,611.33	63.20	42.319		
10,400.00	6,903.03	6,450.00	6,367.22	106.53	30.69	-37.34	-597.54	730.90	2,771.50	2,708.19	63.32	43.773		
10,500.00	6,903.29	6,450.00	6,367.22	109.26	30.69	-37.34	-597.54	730.90	2,868.68	2,805.26	63.42	45.230		
10,600.00	6,903.55	6,450.00	6,367.22	112.00	30.69	-37.34	-597.54	730.90	2,966.05	2,902.52	63.53	46.690		
10,700.00	6,903.81	6,450.00	6,367.22	114.75	30.69	-37.34	-597.54	730.90	3,063.58	2,999.96	63.62	48.151		
10,800.00	6,904.08	6,450.00	6,367.22	117.49	30.69	-37.34	-597.54	730.90	3,161.27	3,097.56	63.72	49.615		
10,900.00	6,904.34	6,450.00	6,367.22	120.25	30.69	-37.34	-597.54	730.90	3,259.10	3,195.30	63.81	51.079		
11,000.00	6,904.60	6,450.00	6,367.22	123.00	30.69	-37.34	-597.54	730.90	3,357.06	3,293.17	63.89	52.544		
11,100.00	6,904.86	6,450.00	6,367.22	125.77	30.69	-37.34	-597.54	730.90	3,455.14	3,391.16	63.97	54.010		
11,200.00	6,905.12	6,450.00	6,367.22	128.53	30.69	-37.34	-597.54	730.90	3,553.32	3,489.26	64.05	55.475		
11,300.00	6,905.39	6,427.15	6,344.92	131.30	30.61	-36.39	-594.86	735.10	3,651.12	3,587.07	64.05	57.006		
11,400.00	6,905.65	6,424.76	6,342.58	134.08	30.60	-36.29	-594.58	735.49	3,749.39	3,685.27	64.12	58.476		
11,500.00	6,905.91	6,422.47	6,340.34	136.85	30.60	-36.20	-594.32	735.86	3,847.74	3,783.55	64.19	59.944		
11,600.00	6,906.17	6,400.00	6,318.25	139.63	30.52	-35.31	-591.69	739.03	3,946.53	3,882.34	64.19	61.481		
11,700.00	6,906.43	6,400.00	6,318.25	142.42	30.52	-35.31	-591.69	739.03	4,044.95	3,980.68	64.27	62.938		
11,800.00	6,906.70	6,400.00	6,318.25	145.20	30.52	-35.31	-591.69	739.03	4,143.44	4,079.10	64.35	64.394		
11,900.00	6,906.96	6,400.00	6,318.25	147.99	30.52	-35.31	-591.69	739.03	4,242.01	4,177.58	64.42	65.849		
12,000.00	6,907.22	6,400.00	6,318.25	150.78	30.52	-35.31	-591.69	739.03	4,340.63	4,276.14	64.49	67.303		
12,100.00	6,907.48	6,400.00	6,318.25	153.57	30.52	-35.31	-591.69	739.03	4,439.33	4,374.76	64.57	68.754		
12,200.00	6,907.74	6,400.00	6,318.25	156.37	30.52	-35.31	-591.69	739.03	4,538.07	4,473.43	64.64	70.204		
12,300.00	6,908.01	6,400.00	6,318.25	159.17	30.52	-35.31	-591.69	739.03	4,636.87	4,572.16	64.71	71.653		
12,400.00	6,908.27	6,400.00	6,318.25	161.97	30.52	-35.31	-591.69	739.03	4,735.73	4,670.94	64.79	73.099		
12,500.00	6,908.53	6,400.00	6,318.25	164.77	30.52	-35.31	-591.69	739.03	4,834.63	4,769.77	64.86	74.542		
12,600.00	6,908.79	6,400.00	6,318.25	167.57	30.52	-35.31	-591.69	739.03	4,933.57	4,868.64	64.93	75.984		
12,700.00	6,909.06	6,400.00	6,318.25	170.38	30.52	-35.31	-591.69	739.03	5,032.55	4,967.55	65.00	77.423		
12,800.00	6,909.32	6,400.00	6,318.25	173.18	30.52	-35.31	-591.69	739.03	5,131.58	5,066.51	65.07	78.859		
12,900.00	6,909.58	6,400.00	6,318.25	175.99	30.52	-35.31	-591.69	739.03	5,230.64	5,165.50	65.14	80.293		
13,000.00	6,909.84	6,400.00	6,318.25	178.80	30.52	-35.31	-591.69	739.03	5,329.74	5,264.52	65.22	81.724		
13,100.00	6,910.10	6,400.00	6,318.25	181.61	30.52	-35.31	-591.69	739.03	5,428.87	5,363.58	65.29	83.152		
13,200.00	6,910.37	6,400.00	6,318.25	184.42	30.52	-35.31	-591.69	739.03	5,528.03	5,462.67	65.36	84.577		
13,300.00	6,910.63	6,400.00	6,318.25	187.24	30.52	-35.31	-591.69	739.03	5,627.22	5,561.79	65.43	85.999		
13,400.00	6,910.89	6,400.00	6,318.25	190.05	30.52	-35.31	-591.69	739.03	5,726.44	5,660.93	65.51	87.417		
13,500.00	6,911.15	6,400.00	6,318.25	192.87	30.52	-35.31	-591.69	739.03	5,825.69	5,760.11	65.58	88.833		
13,600.00	6,911.41	6,400.00	6,318.25	195.68	30.52	-35.31	-591.69	739.03	5,924.96	5,859.30	65.65	90.245		
13,700.00	6,911.68	6,400.00	6,318.25	198.50	30.52	-35.31	-591.69	739.03	6,024.25	5,958.52	65.73	91.654		
13,800.00	6,911.94	6,400.00	6,318.25	201.32	30.52	-35.31	-591.69	739.03	6,123.57	6,057.77	65.80	93.060		
13,900.00	6,912.20	6,400.00	6,318.25	204.14	30.52	-35.31	-591.69	739.03	6,222.91	6,157.03	65.88	94.462		
14,000.00	6,912.46	6,400.00	6,318.25	206.96	30.52	-35.31	-591.69	739.03	6,322.27	6,256.32	65.95	95.860		
14,100.00	6,912.72	6,400.00	6,318.25	209.78	30.52	-35.31	-591.69	739.03	6,421.65	6,355.62	66.03	97.255		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,400.00	6,318.25	212.61	30.52	-35.31	-591.69	739.03	6,521.05	6,454.95	66.11	98.646		
14,300.00	6,913.25	6,400.00	6,318.25	215.43	30.52	-35.31	-591.69	739.03	6,620.47	6,554.29	66.18	100.033		
14,400.00	6,913.51	6,400.00	6,318.25	218.26	30.52	-35.31	-591.69	739.03	6,719.90	6,653.64	66.26	101.417		
14,500.00	6,913.77	6,400.00	6,318.25	221.08	30.52	-35.31	-591.69	739.03	6,819.36	6,753.02	66.34	102.796		
14,600.00	6,914.04	6,400.00	6,318.25	223.91	30.52	-35.31	-591.69	739.03	6,918.82	6,852.41	66.42	104.172		
14,700.00	6,914.30	6,400.00	6,318.25	226.73	30.52	-35.31	-591.69	739.03	7,018.31	6,951.81	66.50	105.544		
14,800.00	6,914.56	6,400.00	6,318.25	229.56	30.52	-35.31	-591.69	739.03	7,117.80	7,051.23	66.58	106.911		
14,900.00	6,914.82	6,400.00	6,318.25	232.39	30.52	-35.31	-591.69	739.03	7,217.31	7,150.66	66.66	108.275		
15,000.00	6,915.08	6,400.00	6,318.25	235.22	30.52	-35.31	-591.69	739.03	7,316.84	7,250.10	66.74	109.635		
15,100.00	6,915.35	6,400.00	6,318.25	238.05	30.52	-35.31	-591.69	739.03	7,416.37	7,349.55	66.82	110.990		
15,200.00	6,915.61	6,377.10	6,295.63	240.88	30.43	-34.45	-589.04	741.46	7,515.48	7,448.62	66.85	112.416		
15,300.00	6,915.87	6,376.44	6,294.98	243.71	30.43	-34.43	-588.96	741.52	7,615.01	7,548.08	66.94	113.765		
15,400.00	6,916.13	6,375.79	6,294.34	246.54	30.43	-34.41	-588.88	741.58	7,714.56	7,647.54	67.02	115.111		
15,500.00	6,916.39	6,375.16	6,293.71	249.37	30.43	-34.38	-588.81	741.63	7,814.12	7,747.02	67.10	116.452		
15,600.00	6,916.66	6,374.54	6,293.10	252.20	30.42	-34.36	-588.74	741.69	7,913.69	7,846.50	67.19	117.788		
15,700.00	6,916.92	6,373.94	6,292.50	255.03	30.42	-34.34	-588.67	741.74	8,013.26	7,945.99	67.27	119.121		
15,800.00	6,917.18	6,373.35	6,291.92	257.87	30.42	-34.32	-588.60	741.79	8,112.85	8,045.50	67.36	120.449		
15,900.00	6,917.44	6,350.00	6,268.78	260.70	30.33	-33.49	-585.91	743.28	8,212.89	8,145.49	67.40	121.861		
16,000.00	6,917.70	6,350.00	6,268.78	263.53	30.33	-33.49	-585.91	743.28	8,312.47	8,244.99	67.48	123.178		
16,100.00	6,917.97	6,350.00	6,268.78	266.37	30.33	-33.49	-585.91	743.28	8,412.07	8,344.50	67.57	124.491		
16,200.00	6,918.23	6,350.00	6,268.78	269.20	30.33	-33.49	-585.91	743.28	8,511.67	8,444.01	67.66	125.799		
16,300.00	6,918.49	6,350.00	6,268.78	272.04	30.33	-33.49	-585.91	743.28	8,611.28	8,543.53	67.75	127.103		
16,400.00	6,918.75	6,350.00	6,268.78	274.87	30.33	-33.49	-585.91	743.28	8,710.91	8,643.07	67.84	128.402		
16,500.00	6,919.02	6,350.00	6,268.78	277.71	30.33	-33.49	-585.91	743.28	8,810.54	8,742.61	67.93	129.697		
16,600.00	6,919.28	6,350.00	6,268.78	280.55	30.33	-33.49	-585.91	743.28	8,910.18	8,842.15	68.02	130.988		
16,700.00	6,919.54	6,350.00	6,268.78	283.38	30.33	-33.49	-585.91	743.28	9,009.82	8,941.71	68.12	132.274		
16,800.00	6,919.80	6,350.00	6,268.78	286.22	30.33	-33.49	-585.91	743.28	9,109.48	9,041.27	68.21	133.555		
16,900.00	6,920.06	6,350.00	6,268.78	289.06	30.33	-33.49	-585.91	743.28	9,209.14	9,140.84	68.30	134.831		
17,000.00	6,920.33	6,350.00	6,268.78	291.90	30.33	-33.49	-585.91	743.28	9,308.81	9,240.42	68.40	136.104		
17,100.00	6,920.59	6,350.00	6,268.78	294.73	30.33	-33.49	-585.91	743.28	9,408.49	9,340.00	68.49	137.371		
17,200.00	6,920.85	6,350.00	6,268.78	297.57	30.33	-33.49	-585.91	743.28	9,508.17	9,439.59	68.58	138.634		
17,300.00	6,921.11	6,350.00	6,268.78	300.41	30.33	-33.49	-585.91	743.28	9,607.86	9,539.18	68.68	139.892		
17,400.00	6,921.37	6,350.00	6,268.78	303.25	30.33	-33.49	-585.91	743.28	9,707.56	9,638.78	68.78	141.145		
17,500.00	6,921.64	6,350.00	6,268.78	306.09	30.33	-33.49	-585.91	743.28	9,807.26	9,738.39	68.87	142.394		
17,600.00	6,921.90	6,350.00	6,268.78	308.93	30.33	-33.49	-585.91	743.28	9,906.97	9,838.00	68.97	143.638		
17,638.91	6,922.00	6,350.00	6,268.78	310.03	30.33	-33.49	-585.91	743.28	9,945.76	9,876.75	69.01	144.121		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.33	14.93	1.39	15.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.33	14.93	1.39	15.00	8.43	6.57	2.283		
200.00	200.00	200.00	200.00	3.34	3.34	5.33	14.93	1.39	15.00	8.32	6.67	2.247 CC		
300.00	299.98	300.39	300.37	3.44	3.44	173.78	13.46	2.36	15.41	8.52	6.89	2.238		
400.00	399.84	400.64	400.48	3.59	3.59	-172.10	9.07	5.26	17.36	10.17	7.19	2.414		
500.00	499.45	500.63	500.08	3.79	3.80	-155.81	1.77	10.06	22.28	14.69	7.58	2.937		
600.00	598.70	600.23	598.93	4.04	4.04	-143.05	-8.38	16.74	30.87	22.81	8.07	3.828		
660.50	658.52	660.24	658.26	4.20	4.20	-137.48	-15.88	21.68	37.83	29.43	8.40	4.503		
700.00	697.51	699.32	696.79	4.31	4.32	-134.37	-21.32	25.27	42.87	34.23	8.63	4.966		
800.00	796.22	802.01	793.68	4.63	4.65	-126.78	-36.92	35.54	56.45	47.17	9.28	6.082		
900.00	894.93	903.24	890.48	4.98	5.01	-121.42	-53.32	46.34	70.93	60.95	9.98	7.106		
1,000.00	993.64	1,004.47	987.27	5.34	5.40	-117.89	-69.72	57.15	85.82	75.09	10.72	8.002		
1,100.00	1,092.35	1,105.70	1,084.07	5.73	5.81	-115.41	-86.12	67.95	100.93	89.42	11.50	8.775		
1,200.00	1,191.06	1,206.92	1,180.87	6.13	6.23	-113.57	-102.53	78.75	116.17	103.87	12.31	9.440		
1,300.00	1,289.78	1,308.15	1,277.67	6.54	6.66	-112.17	-118.93	89.56	131.51	118.37	13.13	10.012		
1,400.00	1,388.49	1,409.38	1,374.47	6.95	7.11	-111.05	-135.33	100.36	146.90	132.92	13.98	10.506		
1,500.00	1,487.20	1,489.39	1,471.27	7.38	7.47	-110.15	-151.74	111.16	162.34	147.59	14.75	11.005		
1,600.00	1,585.91	1,588.16	1,568.07	7.81	7.92	-109.41	-168.14	121.97	177.81	162.20	15.62	11.387		
1,700.00	1,684.62	1,686.93	1,664.87	8.25	8.37	-108.78	-184.54	132.77	193.31	176.82	16.49	11.722		
1,800.00	1,783.33	1,785.71	1,761.67	8.70	8.83	-108.25	-200.95	143.58	208.83	191.45	17.38	12.017		
1,900.00	1,882.04	1,884.48	1,858.47	9.15	9.29	-107.79	-217.35	154.38	224.36	206.09	18.27	12.279		
2,000.00	1,980.75	1,983.25	1,955.27	9.60	9.76	-107.39	-233.75	165.18	239.90	220.73	19.17	12.513		
2,100.00	2,079.46	2,082.02	2,052.06	10.05	10.23	-107.04	-250.16	175.99	255.46	235.38	20.08	12.722		
2,200.00	2,178.17	2,180.79	2,148.86	10.51	10.71	-106.73	-266.56	186.79	271.02	250.03	20.99	12.910		
2,300.00	2,276.88	2,279.56	2,245.66	10.97	11.18	-106.45	-282.96	197.59	286.59	264.68	21.91	13.080		
2,400.00	2,375.59	2,378.33	2,342.46	11.43	11.66	-106.20	-299.36	208.40	302.16	279.33	22.83	13.234		
2,500.00	2,474.31	2,477.11	2,439.26	11.89	12.14	-105.98	-315.77	219.20	317.74	293.98	23.76	13.375		
2,600.00	2,573.02	2,575.88	2,536.06	12.36	12.62	-105.77	-332.17	230.00	333.33	308.64	24.69	13.503		
2,700.00	2,671.73	2,674.65	2,632.86	12.82	13.10	-105.59	-348.57	240.81	348.91	323.30	25.62	13.620		
2,800.00	2,770.44	2,773.42	2,729.66	13.29	13.59	-105.42	-364.98	251.61	364.50	337.95	26.55	13.728		
2,900.00	2,869.15	2,872.19	2,826.46	13.76	14.07	-105.27	-381.38	262.41	380.10	352.61	27.49	13.828		
3,000.00	2,967.86	2,970.96	2,923.26	14.23	14.56	-105.12	-397.78	273.22	395.69	367.27	28.43	13.920		
3,100.00	3,066.57	3,069.74	3,020.06	14.70	15.05	-104.99	-414.19	284.02	411.29	381.93	29.37	14.005		
3,200.00	3,165.28	3,168.51	3,116.85	15.17	15.54	-104.87	-430.59	294.82	426.89	396.58	30.31	14.084		
3,300.00	3,263.99	3,267.28	3,213.65	15.64	16.03	-104.75	-446.99	305.63	442.50	411.24	31.25	14.158		
3,400.00	3,362.70	3,366.05	3,310.45	16.11	16.52	-104.65	-463.40	316.43	458.10	425.90	32.20	14.227		
3,500.00	3,461.41	3,464.82	3,407.25	16.59	17.01	-104.55	-479.80	327.24	473.70	440.56	33.15	14.292		
3,600.00	3,560.12	3,563.59	3,504.05	17.06	17.50	-104.46	-496.20	338.04	489.31	455.22	34.09	14.352		
3,700.00	3,658.84	3,662.37	3,600.85	17.53	17.99	-104.37	-512.60	348.84	504.92	469.88	35.04	14.409		
3,800.00	3,757.55	3,761.14	3,697.65	18.01	18.48	-104.29	-529.01	359.65	520.53	484.54	35.99	14.462		
3,900.00	3,856.26	3,859.91	3,794.45	18.48	18.97	-104.21	-545.41	370.45	536.14	499.19	36.94	14.512		
4,000.00	3,954.97	3,958.68	3,891.25	18.96	19.47	-104.14	-561.81	381.25	551.75	513.85	37.90	14.560		
4,100.00	4,053.68	4,057.45	3,988.05	19.44	19.96	-104.07	-578.22	392.06	567.36	528.51	38.85	14.604		
4,200.00	4,152.39	4,156.22	4,084.85	19.91	20.46	-104.00	-594.62	402.86	582.97	543.17	39.80	14.647		
4,300.00	4,251.10	4,255.00	4,181.64	20.39	20.95	-103.94	-611.02	413.66	598.59	557.83	40.76	14.687		
4,400.00	4,349.81	4,353.77	4,278.44	20.87	21.44	-103.88	-627.43	424.47	614.20	572.49	41.71	14.725		
4,500.00	4,448.52	4,452.54	4,375.24	21.34	21.94	-103.83	-643.83	435.27	629.81	587.15	42.67	14.761		
4,600.00	4,547.23	4,551.31	4,472.04	21.82	22.43	-103.77	-660.23	446.07	645.43	601.81	43.62	14.796		
4,700.00	4,645.94	4,650.08	4,568.84	22.30	22.93	-103.72	-676.64	456.88	661.04	616.46	44.58	14.828		
4,800.00	4,744.65	4,748.85	4,665.64	22.78	23.43	-103.68	-693.04	467.68	676.66	631.12	45.54	14.860		
4,900.00	4,843.37	4,847.63	4,762.44	23.26	23.92	-103.63	-709.44	478.48	692.28	645.78	46.49	14.889		
5,000.00	4,942.08	4,946.40	4,859.24	23.74	24.42	-103.59	-725.84	489.29	707.89	660.44	47.45	14.918		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,040.79	5,045.17	4,956.04	24.21	24.91	-103.54	-742.25	500.09	723.51	675.10	48.41	14.945		
5,200.00	5,139.50	5,143.94	5,052.84	24.69	25.41	-103.50	-758.65	510.90	739.13	689.76	49.37	14.971		
5,300.00	5,238.21	5,242.71	5,149.64	25.17	25.91	-103.46	-775.05	521.70	754.74	704.42	50.33	14.996		
5,400.00	5,336.92	5,341.48	5,246.43	25.65	26.40	-103.43	-791.46	532.50	770.36	719.07	51.29	15.020		
5,500.00	5,435.63	5,440.26	5,343.23	26.13	26.90	-103.39	-807.86	543.31	785.98	733.73	52.25	15.043		
5,600.00	5,534.34	5,539.03	5,440.03	26.61	27.40	-103.36	-824.26	554.11	801.60	748.39	53.21	15.065		
5,700.00	5,633.05	5,637.80	5,536.83	27.09	27.90	-103.32	-840.67	564.91	817.22	763.05	54.17	15.086		
5,800.00	5,731.76	5,736.57	5,633.63	27.57	28.39	-103.29	-857.07	575.72	832.84	777.71	55.13	15.106		
5,900.00	5,830.47	5,835.34	5,730.43	28.05	28.89	-103.26	-873.47	586.52	848.46	792.36	56.09	15.126		
6,000.00	5,929.18	5,934.11	5,827.23	28.53	29.39	-103.23	-889.88	597.32	864.08	807.02	57.05	15.145		
6,100.00	6,027.90	6,032.89	5,924.03	29.01	29.89	-103.21	-906.28	608.13	879.70	821.68	58.02	15.163		
6,200.00	6,126.61	6,131.66	6,020.83	29.49	30.38	-103.18	-922.68	618.93	895.32	836.34	58.98	15.181		
6,300.00	6,225.32	7,905.99	7,088.58	29.97	41.02	-33.12	-1,132.92	-286.28	894.54	877.44	17.11	52.297		
6,311.21	6,236.38	7,906.32	7,088.57	30.03	41.03	-32.94	-1,132.93	-286.61	883.41	866.24	17.17	51.447		
6,350.00	6,274.70	7,906.29	7,088.57	30.21	41.03	18.57	-1,132.93	-286.58	844.88	827.48	17.40	48.554		
6,400.00	6,324.03	7,902.77	7,088.64	30.43	40.97	71.06	-1,132.84	-283.06	795.38	777.69	17.69	44.971		
6,450.00	6,373.00	7,904.66	7,088.80	30.65	41.01	101.65	-1,132.66	-275.64	746.33	728.27	18.05	41.342		
6,500.00	6,421.31	7,884.07	7,089.04	30.84	40.68	119.15	-1,132.37	-264.37	698.05	679.82	18.23	38.288		
6,550.00	6,468.66	7,869.01	7,089.36	31.03	40.45	129.81	-1,132.00	-249.32	650.84	632.33	18.50	35.172		
6,600.00	6,514.76	7,850.25	7,089.75	31.20	40.17	136.72	-1,131.53	-230.57	605.00	586.21	18.79	32.200		
6,650.00	6,559.32	7,827.92	7,090.22	31.37	39.83	141.40	-1,130.97	-208.26	560.81	541.72	19.09	29.371		
6,700.00	6,602.08	7,802.16	7,090.77	31.52	39.43	144.66	-1,130.33	-182.50	518.56	499.12	19.43	26.687		
6,750.00	6,642.77	7,773.11	7,091.38	31.65	39.03	146.95	-1,129.61	-153.47	478.50	458.67	19.83	24.126		
6,800.00	6,681.13	7,740.96	7,092.06	31.78	38.60	148.55	-1,128.80	-121.34	440.89	420.59	20.29	21.725		
6,850.00	6,716.93	7,705.91	7,092.79	31.89	38.13	149.63	-1,127.93	-86.31	405.95	385.14	20.82	19.501		
6,900.00	6,749.95	7,668.17	7,093.59	31.99	37.68	150.31	-1,126.99	-48.59	373.91	352.47	21.44	17.441		
6,950.00	6,779.98	7,627.98	7,094.44	32.08	37.22	150.70	-1,125.99	-8.42	344.93	322.80	22.13	15.587		
7,000.00	6,806.85	7,571.09	7,094.94	32.16	36.63	150.39	-1,124.45	48.44	318.84	296.27	22.57	14.128		
7,050.00	6,830.38	7,493.90	7,088.38	32.24	35.97	148.95	-1,121.12	125.23	291.97	267.61	24.37	11.982		
7,100.00	6,850.43	7,424.42	7,074.68	32.35	35.48	147.07	-1,116.81	193.17	263.84	235.86	27.98	9.430		
7,150.00	6,866.88	7,361.31	7,055.97	32.59	35.14	144.65	-1,111.86	253.22	234.99	202.55	32.44	7.244		
7,200.00	6,879.62	7,303.41	7,033.72	32.99	34.89	141.52	-1,106.50	306.37	205.92	168.67	37.24	5.529		
7,250.00	6,888.58	7,249.80	7,008.94	33.48	34.70	137.41	-1,100.87	353.57	177.13	134.89	42.24	4.194		
7,300.00	6,893.70	7,199.70	6,982.31	34.02	34.54	131.91	-1,095.07	395.60	149.22	101.75	47.46	3.144		
7,339.40	6,895.01	7,162.29	6,960.34	34.48	34.44	126.20	-1,090.42	425.51	128.37	76.50	51.87	2.475		
7,400.00	6,895.16	7,109.85	6,926.70	35.24	34.30	110.93	-1,083.48	465.11	98.59	38.87	59.72	1.651		
7,489.07	6,895.40	7,045.31	6,881.06	36.48	34.13	78.89	-1,074.32	509.77	74.46	4.81	69.65	1.069 Level 2, ES, SF		
7,500.00	6,895.43	7,038.29	6,875.83	36.64	34.12	74.79	-1,073.29	514.33	74.92	5.39	69.53	1.078 Level 2		
7,600.00	6,895.69	6,981.75	6,831.95	38.20	33.97	44.99	-1,064.72	548.92	115.07	54.03	61.04	1.885		
7,700.00	6,895.95	6,936.61	6,794.84	39.91	33.85	29.26	-1,057.61	573.61	187.15	128.83	58.32	3.209		
7,800.00	6,896.21	6,900.00	6,763.53	41.75	33.75	20.94	-1,051.69	591.62	269.45	210.88	58.57	4.601		
7,900.00	6,896.47	6,870.08	6,737.22	43.69	33.67	16.07	-1,046.76	604.97	356.49	297.15	59.34	6.007		
8,000.00	6,896.74	6,850.00	6,719.21	45.73	33.61	13.48	-1,043.42	613.21	446.41	386.01	60.40	7.390		
8,100.00	6,897.00	6,824.10	6,695.63	47.85	33.53	10.74	-1,039.07	622.98	538.17	477.40	60.77	8.856		
8,200.00	6,897.26	6,800.00	6,673.34	50.04	33.46	8.66	-1,034.99	631.20	631.42	570.34	61.08	10.338		
8,300.00	6,897.52	6,800.00	6,673.34	52.30	33.46	8.66	-1,034.99	631.20	725.73	663.65	62.08	11.691		
8,400.00	6,897.78	6,777.31	6,652.10	54.61	33.38	7.03	-1,031.12	638.14	820.68	758.51	62.17	13.201		
8,500.00	6,898.05	6,765.55	6,640.98	56.98	33.35	6.28	-1,029.11	641.43	916.40	853.91	62.49	14.664		
8,600.00	6,898.31	6,750.00	6,626.21	59.38	33.30	5.37	-1,026.44	645.47	1,012.69	950.03	62.66	16.161		
8,700.00	6,898.57	6,750.00	6,626.21	61.82	33.30	5.37	-1,026.44	645.47	1,109.38	1,046.30	63.08	17.587		
8,800.00	6,898.83	6,750.00	6,626.21	64.30	33.30	5.37	-1,026.44	645.47	1,206.60	1,143.19	63.41	19.028		
8,900.00	6,899.10	6,730.22	6,607.27	66.81	33.23	4.35	-1,023.04	650.07	1,303.79	1,240.40	63.39	20.568		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	6,723.49	6,600.80	69.34	33.20	4.04	-1,021.88	651.50	1,401.42	1,337.87	63.55	22.053		
9,100.00	6,899.62	6,717.39	6,594.91	71.90	33.18	3.76	-1,020.83	652.73	1,499.27	1,435.58	63.69	23.540		
9,200.00	6,899.88	6,700.00	6,578.09	74.48	33.12	3.02	-1,017.83	655.94	1,597.47	1,533.79	63.68	25.086		
9,300.00	6,900.14	6,700.00	6,578.09	77.08	33.12	3.02	-1,017.83	655.94	1,695.59	1,631.73	63.86	26.551		
9,400.00	6,900.41	6,700.00	6,578.09	79.70	33.12	3.02	-1,017.83	655.94	1,793.91	1,729.89	64.02	28.020		
9,500.00	6,900.67	6,700.00	6,578.09	82.33	33.12	3.02	-1,017.83	655.94	1,892.41	1,828.25	64.16	29.494		
9,600.00	6,900.93	6,700.00	6,578.09	84.97	33.12	3.02	-1,017.83	655.94	1,991.06	1,926.77	64.29	30.970		
9,700.00	6,901.19	6,700.00	6,578.09	87.63	33.12	3.02	-1,017.83	655.94	2,089.83	2,025.43	64.41	32.448		
9,800.00	6,901.45	6,700.00	6,578.09	90.31	33.12	3.02	-1,017.83	655.94	2,188.72	2,124.21	64.51	33.928		
9,900.00	6,901.72	6,700.00	6,578.09	92.99	33.12	3.02	-1,017.83	655.94	2,287.70	2,223.10	64.61	35.408		
10,000.00	6,901.98	6,680.32	6,558.95	95.68	33.05	2.27	-1,014.44	659.00	2,386.39	2,321.84	64.55	36.969		
10,100.00	6,902.24	6,677.50	6,556.20	98.38	33.04	2.17	-1,013.96	659.39	2,485.42	2,420.80	64.62	38.461		
10,200.00	6,902.50	6,674.86	6,553.62	101.09	33.03	2.08	-1,013.50	659.75	2,584.51	2,519.82	64.69	39.952		
10,300.00	6,902.76	6,672.37	6,551.20	103.81	33.02	2.00	-1,013.07	660.07	2,683.65	2,618.90	64.76	41.441		
10,400.00	6,903.03	6,670.03	6,548.91	106.53	33.01	1.92	-1,012.67	660.37	2,782.85	2,718.03	64.82	42.930		
10,500.00	6,903.29	6,650.00	6,529.30	109.26	32.93	1.28	-1,009.22	662.55	2,882.40	2,817.62	64.77	44.501		
10,600.00	6,903.55	6,650.00	6,529.30	112.00	32.93	1.28	-1,009.22	662.55	2,981.61	2,916.76	64.85	45.976		
10,700.00	6,903.81	6,650.00	6,529.30	114.75	32.93	1.28	-1,009.22	662.55	3,080.88	3,015.95	64.93	47.450		
10,800.00	6,904.08	6,650.00	6,529.30	117.49	32.93	1.28	-1,009.22	662.55	3,180.19	3,115.18	65.00	48.923		
10,900.00	6,904.34	6,650.00	6,529.30	120.25	32.93	1.28	-1,009.22	662.55	3,279.54	3,214.46	65.08	50.395		
11,000.00	6,904.60	6,650.00	6,529.30	123.00	32.93	1.28	-1,009.22	662.55	3,378.93	3,313.79	65.15	51.865		
11,100.00	6,904.86	6,650.00	6,529.30	125.77	32.93	1.28	-1,009.22	662.55	3,478.36	3,413.14	65.22	53.334		
11,200.00	6,905.12	6,650.00	6,529.30	128.53	32.93	1.28	-1,009.22	662.55	3,577.82	3,512.53	65.29	54.800		
11,300.00	6,905.39	6,650.00	6,529.30	131.30	32.93	1.28	-1,009.22	662.55	3,677.31	3,611.95	65.36	56.265		
11,400.00	6,905.65	6,650.00	6,529.30	134.08	32.93	1.28	-1,009.22	662.55	3,776.82	3,711.40	65.42	57.728		
11,500.00	6,905.91	6,650.00	6,529.30	136.85	32.93	1.28	-1,009.22	662.55	3,876.36	3,810.87	65.49	59.188		
11,600.00	6,906.17	6,650.00	6,529.30	139.63	32.93	1.28	-1,009.22	662.55	3,975.92	3,910.36	65.56	60.646		
11,700.00	6,906.43	6,650.00	6,529.30	142.42	32.93	1.28	-1,009.22	662.55	4,075.51	4,009.88	65.63	62.101		
11,800.00	6,906.70	6,650.00	6,529.30	145.20	32.93	1.28	-1,009.22	662.55	4,175.11	4,109.42	65.69	63.554		
11,900.00	6,906.96	6,650.00	6,529.30	147.99	32.93	1.28	-1,009.22	662.55	4,274.74	4,208.97	65.76	65.004		
12,000.00	6,907.22	6,650.00	6,529.30	150.78	32.93	1.28	-1,009.22	662.55	4,374.38	4,308.55	65.83	66.451		
12,100.00	6,907.48	6,650.00	6,529.30	153.57	32.93	1.28	-1,009.22	662.55	4,474.03	4,408.14	65.90	67.896		
12,200.00	6,907.74	6,650.00	6,529.30	156.37	32.93	1.28	-1,009.22	662.55	4,573.70	4,507.74	65.96	69.337		
12,300.00	6,908.01	6,650.00	6,529.30	159.17	32.93	1.28	-1,009.22	662.55	4,673.39	4,607.36	66.03	70.776		
12,400.00	6,908.27	6,650.00	6,529.30	161.97	32.93	1.28	-1,009.22	662.55	4,773.09	4,706.99	66.10	72.212		
12,500.00	6,908.53	6,650.00	6,529.30	164.77	32.93	1.28	-1,009.22	662.55	4,872.80	4,806.63	66.17	73.644		
12,600.00	6,908.79	6,650.00	6,529.30	167.57	32.93	1.28	-1,009.22	662.55	4,972.52	4,906.28	66.24	75.073		
12,700.00	6,909.06	6,650.00	6,529.30	170.38	32.93	1.28	-1,009.22	662.55	5,072.25	5,005.95	66.30	76.499		
12,800.00	6,909.32	6,650.00	6,529.30	173.18	32.93	1.28	-1,009.22	662.55	5,172.00	5,105.62	66.37	77.922		
12,900.00	6,909.58	6,650.00	6,529.30	175.99	32.93	1.28	-1,009.22	662.55	5,271.75	5,205.31	66.44	79.341		
13,000.00	6,909.84	6,650.00	6,529.30	178.80	32.93	1.28	-1,009.22	662.55	5,371.51	5,305.00	66.52	80.756		
13,100.00	6,910.10	6,650.00	6,529.30	181.61	32.93	1.28	-1,009.22	662.55	5,471.28	5,404.70	66.59	82.168		
13,200.00	6,910.37	6,650.00	6,529.30	184.42	32.93	1.28	-1,009.22	662.55	5,571.06	5,504.40	66.66	83.577		
13,300.00	6,910.63	6,650.00	6,529.30	187.24	32.93	1.28	-1,009.22	662.55	5,670.85	5,604.12	66.73	84.982		
13,400.00	6,910.89	6,650.00	6,529.30	190.05	32.93	1.28	-1,009.22	662.55	5,770.64	5,703.84	66.80	86.383		
13,500.00	6,911.15	6,650.00	6,529.30	192.87	32.93	1.28	-1,009.22	662.55	5,870.45	5,803.57	66.88	87.781		
13,600.00	6,911.41	6,650.00	6,529.30	195.68	32.93	1.28	-1,009.22	662.55	5,970.25	5,903.30	66.95	89.174		
13,700.00	6,911.68	6,650.00	6,529.30	198.50	32.93	1.28	-1,009.22	662.55	6,070.07	6,003.04	67.03	90.564		
13,800.00	6,911.94	6,650.00	6,529.30	201.32	32.93	1.28	-1,009.22	662.55	6,169.89	6,102.79	67.10	91.950		
13,900.00	6,912.20	6,650.00	6,529.30	204.14	32.93	1.28	-1,009.22	662.55	6,269.71	6,202.54	67.18	93.332		
14,000.00	6,912.46	6,650.00	6,529.30	206.96	32.93	1.28	-1,009.22	662.55	6,369.55	6,302.29	67.25	94.710		
14,100.00	6,912.72	6,650.00	6,529.30	209.78	32.93	1.28	-1,009.22	662.55	6,469.38	6,402.05	67.33	96.084		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,650.00	6,529.30	212.61	32.93	1.28	-1,009.22	662.55	6,569.22	6,501.82	67.41	97.454		
14,300.00	6,913.25	6,650.00	6,529.30	215.43	32.93	1.28	-1,009.22	662.55	6,669.07	6,601.58	67.49	98.820		
14,400.00	6,913.51	6,650.00	6,529.30	218.26	32.93	1.28	-1,009.22	662.55	6,768.92	6,701.36	67.57	100.182		
14,500.00	6,913.77	6,627.54	6,507.24	221.08	32.84	0.64	-1,005.36	664.24	6,868.34	6,800.80	67.55	101.681		
14,600.00	6,914.04	6,627.07	6,506.78	223.91	32.84	0.62	-1,005.28	664.27	6,968.19	6,900.56	67.63	103.039		
14,700.00	6,914.30	6,626.62	6,506.33	226.73	32.83	0.61	-1,005.21	664.30	7,068.03	7,000.33	67.71	104.392		
14,800.00	6,914.56	6,626.18	6,505.90	229.56	32.83	0.60	-1,005.13	664.32	7,167.88	7,100.10	67.79	105.741		
14,900.00	6,914.82	6,625.75	6,505.47	232.39	32.83	0.59	-1,005.06	664.34	7,267.74	7,199.87	67.87	107.086		
15,000.00	6,915.08	6,625.33	6,505.06	235.22	32.83	0.58	-1,004.98	664.37	7,367.59	7,299.64	67.95	108.426		
15,100.00	6,915.35	6,624.92	6,504.66	238.05	32.83	0.57	-1,004.91	664.39	7,467.46	7,399.42	68.03	109.762		
15,200.00	6,915.61	6,624.52	6,504.26	240.88	32.83	0.55	-1,004.84	664.41	7,567.32	7,499.20	68.12	111.094		
15,300.00	6,915.87	6,624.13	6,503.88	243.71	32.82	0.54	-1,004.78	664.43	7,667.19	7,598.99	68.20	112.421		
15,400.00	6,916.13	6,623.75	6,503.50	246.54	32.82	0.53	-1,004.71	664.45	7,767.06	7,698.77	68.29	113.744		
15,500.00	6,916.39	6,623.37	6,503.14	249.37	32.82	0.52	-1,004.65	664.47	7,866.93	7,798.56	68.37	115.062		
15,600.00	6,916.66	6,623.01	6,502.78	252.20	32.82	0.51	-1,004.59	664.49	7,966.81	7,898.35	68.46	116.376		
15,700.00	6,916.92	6,600.00	6,480.12	255.03	32.72	-0.06	-1,000.65	665.25	8,067.12	7,998.67	68.45	117.854		
15,800.00	6,917.18	6,600.00	6,480.12	257.87	32.72	-0.06	-1,000.65	665.25	8,166.99	8,098.45	68.54	119.157		
15,900.00	6,917.44	6,600.00	6,480.12	260.70	32.72	-0.06	-1,000.65	665.25	8,266.86	8,198.23	68.63	120.456		
16,000.00	6,917.70	6,600.00	6,480.12	263.53	32.72	-0.06	-1,000.65	665.25	8,366.74	8,298.02	68.72	121.750		
16,100.00	6,917.97	6,600.00	6,480.12	266.37	32.72	-0.06	-1,000.65	665.25	8,466.62	8,397.80	68.81	123.040		
16,200.00	6,918.23	6,600.00	6,480.12	269.20	32.72	-0.06	-1,000.65	665.25	8,566.50	8,497.59	68.90	124.325		
16,300.00	6,918.49	6,600.00	6,480.12	272.04	32.72	-0.06	-1,000.65	665.25	8,666.38	8,597.38	69.00	125.605		
16,400.00	6,918.75	6,600.00	6,480.12	274.87	32.72	-0.06	-1,000.65	665.25	8,766.27	8,697.18	69.09	126.881		
16,500.00	6,919.02	6,600.00	6,480.12	277.71	32.72	-0.06	-1,000.65	665.25	8,866.16	8,796.97	69.18	128.152		
16,600.00	6,919.28	6,600.00	6,480.12	280.55	32.72	-0.06	-1,000.65	665.25	8,966.05	8,896.77	69.28	129.419		
16,700.00	6,919.54	6,600.00	6,480.12	283.38	32.72	-0.06	-1,000.65	665.25	9,065.94	8,996.57	69.37	130.681		
16,800.00	6,919.80	6,600.00	6,480.12	286.22	32.72	-0.06	-1,000.65	665.25	9,165.84	9,096.37	69.47	131.938		
16,900.00	6,920.06	6,600.00	6,480.12	289.06	32.72	-0.06	-1,000.65	665.25	9,265.74	9,196.17	69.57	133.191		
17,000.00	6,920.33	6,600.00	6,480.12	291.90	32.72	-0.06	-1,000.65	665.25	9,365.64	9,295.97	69.66	134.439		
17,100.00	6,920.59	6,600.00	6,480.12	294.73	32.72	-0.06	-1,000.65	665.25	9,465.54	9,395.78	69.76	135.682		
17,200.00	6,920.85	6,600.00	6,480.12	297.57	32.72	-0.06	-1,000.65	665.25	9,565.44	9,495.58	69.86	136.920		
17,300.00	6,921.11	6,600.00	6,480.12	300.41	32.72	-0.06	-1,000.65	665.25	9,665.35	9,595.39	69.96	138.154		
17,400.00	6,921.37	6,600.00	6,480.12	303.25	32.72	-0.06	-1,000.65	665.25	9,765.26	9,695.20	70.06	139.383		
17,500.00	6,921.64	6,600.00	6,480.12	306.09	32.72	-0.06	-1,000.65	665.25	9,865.17	9,795.01	70.16	140.607		
17,600.00	6,921.90	6,600.00	6,480.12	308.93	32.72	-0.06	-1,000.65	665.25	9,965.08	9,894.82	70.26	141.827		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-99.07	-703.43	-4,408.76	4,464.52					
100.00	100.00	110.00	110.00	3.28	3.89	-99.07	-703.43	-4,408.76	4,464.52	4,457.35	7.18	622.108		
200.00	200.00	210.00	210.00	3.34	6.48	-99.07	-703.43	-4,408.76	4,464.52	4,454.71	9.81	454.891		
300.00	299.98	309.98	309.98	3.44	9.65	64.02	-703.43	-4,408.76	4,463.76	4,450.67	13.09	341.007		
400.00	399.84	409.84	409.84	3.59	12.98	64.12	-703.43	-4,408.76	4,461.47	4,444.89	16.57	269.210		
500.00	499.45	509.45	509.45	3.79	16.37	64.29	-703.43	-4,408.76	4,457.66	4,437.50	20.16	221.123		
600.00	598.70	608.70	608.70	4.04	19.78	64.53	-703.43	-4,408.76	4,452.37	4,428.56	23.81	187.005		
660.50	658.52	668.52	668.52	4.20	21.84	64.70	-703.43	-4,408.76	4,448.45	4,422.41	26.04	170.844		
700.00	697.51	707.51	707.51	4.31	23.19	64.77	-703.43	-4,408.76	4,445.72	4,418.22	27.50	161.660		
800.00	796.22	806.22	806.22	4.63	26.60	64.96	-703.43	-4,408.76	4,438.85	4,407.62	31.23	142.130		
900.00	894.93	904.93	904.93	4.98	30.03	65.14	-703.43	-4,408.76	4,432.03	4,397.03	34.99	126.649		
1,000.00	993.64	1,003.64	1,003.64	5.34	33.45	65.33	-703.43	-4,408.76	4,425.25	4,386.47	38.78	114.099		
1,100.00	1,092.35	1,102.35	1,102.35	5.73	36.88	65.52	-703.43	-4,408.76	4,418.52	4,375.93	42.60	103.733		
1,200.00	1,191.06	1,201.06	1,201.06	6.13	40.32	65.70	-703.43	-4,408.76	4,411.84	4,365.42	46.42	95.037		
1,300.00	1,289.78	1,300.22	1,299.78	6.54	43.77	65.89	-703.43	-4,408.76	4,405.21	4,354.93	50.28	87.615		
1,400.00	1,388.49	1,401.51	1,398.49	6.95	47.30	66.08	-703.43	-4,408.76	4,398.62	4,344.40	54.22	81.124		
1,500.00	1,487.20	1,502.80	1,497.20	7.38	50.82	66.27	-703.43	-4,408.76	4,392.09	4,333.92	58.17	75.502		
1,600.00	1,585.91	1,604.09	1,595.91	7.81	54.35	66.46	-703.43	-4,408.76	4,385.60	4,323.47	62.13	70.586		
1,700.00	1,684.62	1,705.38	1,694.62	8.25	57.88	66.65	-703.43	-4,408.76	4,379.16	4,313.07	66.10	66.254		
1,800.00	1,783.33	1,806.67	1,793.33	8.70	61.41	66.84	-703.43	-4,408.76	4,372.77	4,302.71	70.07	62.408		
1,900.00	1,882.04	1,907.96	1,892.04	9.15	64.94	67.03	-703.43	-4,408.76	4,366.43	4,292.39	74.04	58.971		
2,000.00	1,980.75	2,009.25	1,990.75	9.60	68.48	67.22	-703.43	-4,408.76	4,360.14	4,282.12	78.02	55.883		
2,100.00	2,079.46	2,089.46	2,089.46	10.05	71.27	67.41	-703.43	-4,408.76	4,353.90	4,272.63	81.27	53.572		
2,200.00	2,178.17	2,188.17	2,188.17	10.51	74.72	67.61	-703.43	-4,408.76	4,347.71	4,262.54	85.17	51.049		
2,300.00	2,276.88	2,286.88	2,286.88	10.97	78.16	67.80	-703.43	-4,408.76	4,341.57	4,252.50	89.07	48.745		
2,400.00	2,375.59	2,385.59	2,385.59	11.43	81.60	67.99	-703.43	-4,408.76	4,335.48	4,242.51	92.97	46.634		
2,500.00	2,474.31	2,484.31	2,484.31	11.89	85.05	68.19	-703.43	-4,408.76	4,329.44	4,232.57	96.87	44.692		
2,600.00	2,573.02	2,583.02	2,583.02	12.36	88.49	68.38	-703.43	-4,408.76	4,323.45	4,222.67	100.78	42.901		
2,700.00	2,671.73	2,681.73	2,681.73	12.82	91.93	68.58	-703.43	-4,408.76	4,317.52	4,212.83	104.69	41.243		
2,800.00	2,770.44	2,780.44	2,780.44	13.29	95.38	68.77	-703.43	-4,408.76	4,311.63	4,203.03	108.59	39.704		
2,900.00	2,869.15	2,879.15	2,879.15	13.76	98.82	68.97	-703.43	-4,408.76	4,305.79	4,193.29	112.51	38.272		
3,000.00	2,967.86	2,977.86	2,977.86	14.23	102.26	69.17	-703.43	-4,408.76	4,300.01	4,183.59	116.42	36.936		
3,100.00	3,066.57	3,076.57	3,076.57	14.70	105.71	69.36	-703.43	-4,408.76	4,294.28	4,173.95	120.33	35.688		
3,200.00	3,165.28	3,175.28	3,175.28	15.17	109.15	69.56	-703.43	-4,408.76	4,288.60	4,164.36	124.24	34.518		
3,300.00	3,263.99	3,273.99	3,273.99	15.64	112.60	69.76	-703.43	-4,408.76	4,282.97	4,154.81	128.16	33.419		
3,400.00	3,362.70	3,372.70	3,372.70	16.11	116.04	69.96	-703.43	-4,408.76	4,277.40	4,145.32	132.07	32.386		
3,500.00	3,461.41	3,471.41	3,471.41	16.59	119.49	70.16	-703.43	-4,408.76	4,271.88	4,135.88	135.99	31.413		
3,600.00	3,560.12	3,570.12	3,570.12	17.06	122.93	70.36	-703.43	-4,408.76	4,266.41	4,126.50	139.91	30.494		
3,700.00	3,658.84	3,668.84	3,668.84	17.53	126.38	70.56	-703.43	-4,408.76	4,260.99	4,117.16	143.83	29.626		
3,800.00	3,757.55	3,767.55	3,767.55	18.01	129.82	70.76	-703.43	-4,408.76	4,255.63	4,107.88	147.74	28.804		
3,900.00	3,856.26	3,866.26	3,866.26	18.48	133.27	70.96	-703.43	-4,408.76	4,250.32	4,098.65	151.66	28.025		
4,000.00	3,954.97	3,964.97	3,964.97	18.96	136.71	71.16	-703.43	-4,408.76	4,245.06	4,089.48	155.58	27.285		
4,100.00	4,053.68	4,063.68	4,063.68	19.44	140.16	71.36	-703.43	-4,408.76	4,239.86	4,080.36	159.50	26.581		
4,200.00	4,152.39	4,162.39	4,162.39	19.91	143.60	71.57	-703.43	-4,408.76	4,234.71	4,071.29	163.43	25.912		
4,300.00	4,251.10	4,261.10	4,261.10	20.39	147.05	71.77	-703.43	-4,408.76	4,229.62	4,062.27	167.35	25.275		
4,400.00	4,349.81	4,359.81	4,359.81	20.87	150.49	71.97	-703.43	-4,408.76	4,224.58	4,053.31	171.27	24.666		
4,500.00	4,448.52	4,458.52	4,458.52	21.34	153.94	72.18	-703.43	-4,408.76	4,219.60	4,044.41	175.19	24.086		
4,600.00	4,547.23	4,557.23	4,557.23	21.82	157.38	72.38	-703.43	-4,408.76	4,214.67	4,035.56	179.11	23.531		
4,700.00	4,645.94	4,655.94	4,655.94	22.30	160.83	72.59	-703.43	-4,408.76	4,209.80	4,026.76	183.04	23.000		
4,800.00	4,744.65	4,754.65	4,754.65	22.78	164.27	72.79	-703.43	-4,408.76	4,204.98	4,018.02	186.96	22.491		
4,900.00	4,843.37	4,853.37	4,853.37	23.26	167.72	73.00	-703.43	-4,408.76	4,200.21	4,009.33	190.88	22.004		
5,000.00	4,942.08	4,952.08	4,952.08	23.74	171.16	73.21	-703.43	-4,408.76	4,195.51	4,000.70	194.81	21.537		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,050.79	5,050.79	24.21	174.61	73.41	-703.43	-4,408.76	4,190.85	3,992.12	198.73	21.088		
5,200.00	5,139.50	5,149.50	5,149.50	24.69	178.05	73.62	-703.43	-4,408.76	4,186.26	3,983.60	202.66	20.657		
5,300.00	5,238.21	5,248.21	5,248.21	25.17	181.50	73.83	-703.43	-4,408.76	4,181.72	3,975.14	206.58	20.242		
5,400.00	5,336.92	5,346.92	5,346.92	25.65	184.94	74.04	-703.43	-4,408.76	4,177.24	3,966.73	210.51	19.844		
5,500.00	5,435.63	5,445.63	5,445.63	26.13	188.39	74.25	-703.43	-4,408.76	4,172.81	3,958.38	214.43	19.460		
5,600.00	5,534.34	5,544.34	5,544.34	26.61	191.84	74.45	-703.43	-4,408.76	4,168.44	3,950.08	218.36	19.090		
5,700.00	5,633.05	5,643.05	5,643.05	27.09	195.28	74.66	-703.43	-4,408.76	4,164.13	3,941.84	222.29	18.733		
5,800.00	5,731.76	5,741.76	5,741.76	27.57	198.73	74.87	-703.43	-4,408.76	4,159.87	3,933.66	226.21	18.389		
5,900.00	5,830.47	5,840.47	5,840.47	28.05	202.17	75.08	-703.43	-4,408.76	4,155.67	3,925.53	230.14	18.057		
6,000.00	5,929.18	5,939.18	5,939.18	28.53	205.62	75.30	-703.43	-4,408.76	4,151.53	3,917.47	234.06	17.737		
6,100.00	6,027.90	6,037.90	6,037.90	29.01	209.06	75.51	-703.43	-4,408.76	4,147.45	3,909.46	237.99	17.427		
6,200.00	6,126.61	6,136.61	6,136.61	29.49	212.51	75.72	-703.43	-4,408.76	4,143.42	3,901.50	241.92	17.127		
6,300.00	6,225.32	6,235.32	6,235.32	29.97	215.95	75.93	-703.43	-4,408.76	4,139.45	3,893.61	245.85	16.838		
6,311.21	6,236.38	6,246.38	6,246.38	30.03	216.34	75.95	-703.43	-4,408.76	4,139.01	3,892.73	246.29	16.806		
6,336.19	6,261.05	6,271.05	6,271.05	30.14	217.20	90.00	-703.43	-4,408.76	4,138.52	3,891.26	247.27	16.737 CC		
6,350.00	6,274.70	6,284.70	6,284.70	30.21	217.68	98.03	-703.43	-4,408.76	4,138.67	3,890.86	247.81	16.701 ES		
6,400.00	6,324.03	6,334.03	6,334.03	30.43	219.40	123.79	-703.43	-4,408.76	4,141.72	3,891.97	249.76	16.583		
6,450.00	6,373.00	6,383.00	6,383.00	30.65	221.11	140.81	-703.43	-4,408.76	4,148.69	3,897.01	251.68	16.484		
6,500.00	6,421.31	6,431.31	6,431.31	30.84	222.80	151.17	-703.43	-4,408.76	4,159.52	3,905.96	253.57	16.404		
6,550.00	6,468.66	6,478.66	6,478.66	31.03	224.45	157.77	-703.43	-4,408.76	4,174.16	3,918.75	255.41	16.343		
6,600.00	6,514.76	6,524.76	6,524.76	31.20	226.06	162.25	-703.43	-4,408.76	4,192.50	3,935.31	257.19	16.301		
6,650.00	6,559.32	6,569.32	6,569.32	31.37	227.61	165.50	-703.43	-4,408.76	4,214.43	3,955.52	258.91	16.278		
6,700.00	6,602.08	6,612.08	6,612.08	31.52	229.11	167.97	-703.43	-4,408.76	4,239.82	3,979.27	260.55	16.272 SF		
6,750.00	6,642.77	6,652.77	6,652.77	31.65	230.53	169.95	-703.43	-4,408.76	4,268.51	4,006.40	262.11	16.285		
6,800.00	6,681.13	6,691.13	6,691.13	31.78	232.48	171.61	-703.43	-4,408.76	4,300.32	4,036.13	264.19	16.277		
6,850.00	6,716.93	6,726.93	6,726.93	31.89	233.12	173.07	-703.43	-4,408.76	4,335.04	4,070.11	264.93	16.363		
6,900.00	6,749.95	6,759.95	6,759.95	31.99	234.27	174.42	-703.43	-4,408.76	4,372.47	4,106.30	266.18	16.427		
6,950.00	6,779.98	6,789.98	6,789.98	32.08	235.32	175.76	-703.43	-4,408.76	4,412.38	4,145.07	267.31	16.507		
7,000.00	6,806.85	6,816.85	6,816.85	32.16	236.25	177.17	-703.43	-4,408.76	4,454.51	4,186.19	268.31	16.602		
7,050.00	6,830.38	6,840.38	6,840.38	32.24	237.08	178.77	-703.43	-4,408.76	4,498.60	4,229.41	269.19	16.712		
7,100.00	6,850.43	6,860.43	6,860.43	32.35	237.78	-179.21	-703.43	-4,408.76	4,544.39	4,274.46	269.93	16.835		
7,150.00	6,866.88	6,876.88	6,876.88	32.59	238.35	-176.39	-703.43	-4,408.76	4,591.59	4,321.06	270.54	16.972		
7,200.00	6,879.62	6,889.62	6,889.62	32.99	238.79	-171.87	-703.43	-4,408.76	4,639.91	4,368.91	271.00	17.121		
7,250.00	6,888.58	6,901.42	6,898.58	33.48	239.21	-162.99	-703.43	-4,408.76	4,689.06	4,417.63	271.43	17.276		
7,300.00	6,893.70	6,903.70	6,903.70	34.02	239.29	-139.32	-703.43	-4,408.76	4,738.72	4,467.21	271.51	17.453		
7,339.40	6,895.01	6,905.01	6,905.01	34.48	239.33	-92.35	-703.43	-4,408.76	4,778.03	4,506.47	271.56	17.595		
7,400.00	6,895.16	6,905.16	6,905.16	35.24	239.34	-92.38	-703.43	-4,408.76	4,838.50	4,566.94	271.56	17.817		
7,500.00	6,895.43	6,905.43	6,905.43	36.64	239.35	-92.43	-703.43	-4,408.76	4,938.31	4,666.74	271.57	18.184		
7,600.00	6,895.69	6,905.69	6,905.69	38.20	239.36	-92.48	-703.43	-4,408.76	5,038.12	4,766.55	271.58	18.551		
7,700.00	6,895.95	6,905.95	6,905.95	39.91	239.36	-92.53	-703.43	-4,408.76	5,137.94	4,866.36	271.59	18.918		
7,800.00	6,896.21	6,906.21	6,906.21	41.75	239.37	-92.58	-703.43	-4,408.76	5,237.77	4,966.17	271.60	19.285		
7,900.00	6,896.47	6,906.47	6,906.47	43.69	239.38	-92.63	-703.43	-4,408.76	5,337.61	5,065.99	271.62	19.651		
8,000.00	6,896.74	6,906.74	6,906.74	45.73	239.39	-92.68	-703.43	-4,408.76	5,437.45	5,165.81	271.63	20.018		
8,100.00	6,897.00	6,907.00	6,907.00	47.85	239.40	-92.73	-703.43	-4,408.76	5,537.29	5,265.64	271.65	20.384		
8,200.00	6,897.26	6,907.26	6,907.26	50.04	239.41	-92.78	-703.43	-4,408.76	5,637.14	5,365.47	271.67	20.750		
8,300.00	6,897.52	6,907.52	6,907.52	52.30	239.42	-92.82	-703.43	-4,408.76	5,737.00	5,465.30	271.69	21.116		
8,400.00	6,897.78	6,907.78	6,907.78	54.61	239.43	-92.87	-703.43	-4,408.76	5,836.86	5,565.14	271.72	21.481		
8,500.00	6,898.05	6,908.05	6,908.05	56.98	239.44	-92.92	-703.43	-4,408.76	5,936.73	5,664.98	271.74	21.847		
8,600.00	6,898.31	6,908.31	6,908.31	59.38	239.45	-92.97	-703.43	-4,408.76	6,036.60	5,764.83	271.77	22.212		
8,700.00	6,898.57	6,908.57	6,908.57	61.82	239.46	-93.02	-703.43	-4,408.76	6,136.47	5,864.67	271.80	22.577		
8,800.00	6,898.83	6,908.83	6,908.83	64.30	239.46	-93.07	-703.43	-4,408.76	6,236.35	5,964.52	271.83	22.942		
8,900.00	6,899.10	6,909.10	6,909.10	66.81	239.47	-93.12	-703.43	-4,408.76	6,336.23	6,064.38	271.86	23.307		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	6,909.36	6,909.36	69.34	239.48	-93.17	-703.43	-4,408.76	6,436.12	6,164.23	271.89	23.672		
9,100.00	6,899.62	6,909.62	6,909.62	71.90	239.49	-93.22	-703.43	-4,408.76	6,536.01	6,264.09	271.92	24.036		
9,200.00	6,899.88	6,909.88	6,909.88	74.48	239.50	-93.27	-703.43	-4,408.76	6,635.90	6,363.94	271.96	24.401		
9,300.00	6,900.14	6,910.14	6,910.14	77.08	239.51	-93.32	-703.43	-4,408.76	6,735.80	6,463.80	271.99	24.765		
9,400.00	6,900.41	6,910.41	6,910.41	79.70	239.52	-93.37	-703.43	-4,408.76	6,835.70	6,563.67	272.03	25.129		
9,500.00	6,900.67	6,910.67	6,910.67	82.33	239.53	-93.42	-703.43	-4,408.76	6,935.60	6,663.53	272.07	25.492		
9,600.00	6,900.93	6,910.93	6,910.93	84.97	239.54	-93.46	-703.43	-4,408.76	7,035.50	6,763.39	272.11	25.856		
9,700.00	6,901.19	6,911.19	6,911.19	87.63	239.55	-93.51	-703.43	-4,408.76	7,135.41	6,863.26	272.15	26.219		
9,800.00	6,901.45	6,911.45	6,911.45	90.31	239.56	-93.56	-703.43	-4,408.76	7,235.32	6,963.13	272.19	26.582		
9,900.00	6,901.72	6,911.72	6,911.72	92.99	239.57	-93.61	-703.43	-4,408.76	7,335.23	7,063.00	272.23	26.945		
10,000.00	6,901.98	6,911.98	6,911.98	95.68	239.57	-93.66	-703.43	-4,408.76	7,435.15	7,162.87	272.28	27.307		
10,100.00	6,902.24	6,912.24	6,912.24	98.38	239.58	-93.71	-703.43	-4,408.76	7,535.06	7,262.74	272.32	27.670		
10,200.00	6,902.50	6,912.50	6,912.50	101.09	239.59	-93.76	-703.43	-4,408.76	7,634.98	7,362.61	272.37	28.032		
10,300.00	6,902.76	6,912.76	6,912.76	103.81	239.60	-93.81	-703.43	-4,408.76	7,734.90	7,462.49	272.42	28.394		
10,400.00	6,903.03	6,913.03	6,913.03	106.53	239.61	-93.86	-703.43	-4,408.76	7,834.83	7,562.36	272.47	28.755		
10,500.00	6,903.29	6,913.29	6,913.29	109.26	239.62	-93.91	-703.43	-4,408.76	7,934.75	7,662.24	272.52	29.117		
10,600.00	6,903.55	6,913.55	6,913.55	112.00	239.63	-93.96	-703.43	-4,408.76	8,034.68	7,762.11	272.57	29.478		
10,700.00	6,903.81	6,913.81	6,913.81	114.75	239.64	-94.00	-703.43	-4,408.76	8,134.61	7,861.99	272.62	29.839		
10,800.00	6,904.08	6,914.08	6,914.08	117.49	239.65	-94.05	-703.43	-4,408.76	8,234.54	7,961.87	272.67	30.200		
10,900.00	6,904.34	6,914.34	6,914.34	120.25	239.66	-94.10	-703.43	-4,408.76	8,334.47	8,061.74	272.73	30.560		
11,000.00	6,904.60	6,914.60	6,914.60	123.00	239.67	-94.15	-703.43	-4,408.76	8,434.40	8,161.62	272.78	30.920		
11,100.00	6,904.86	6,914.86	6,914.86	125.77	239.68	-94.20	-703.43	-4,408.76	8,534.34	8,261.50	272.84	31.280		
11,200.00	6,905.12	6,915.12	6,915.12	128.53	239.68	-94.25	-703.43	-4,408.76	8,634.28	8,361.38	272.89	31.640		
11,300.00	6,905.39	6,915.39	6,915.39	131.30	239.69	-94.30	-703.43	-4,408.76	8,734.21	8,461.26	272.95	31.999		
11,400.00	6,905.65	6,915.65	6,915.65	134.08	239.70	-94.35	-703.43	-4,408.76	8,834.15	8,561.14	273.01	32.358		
11,500.00	6,905.91	6,915.91	6,915.91	136.85	239.71	-94.40	-703.43	-4,408.76	8,934.10	8,661.02	273.07	32.717		
11,600.00	6,906.17	6,916.17	6,916.17	139.63	239.72	-94.45	-703.43	-4,408.76	9,034.04	8,760.90	273.13	33.076		
11,700.00	6,906.43	6,916.43	6,916.43	142.42	239.73	-94.50	-703.43	-4,408.76	9,133.98	8,860.79	273.19	33.434		
11,800.00	6,906.70	6,916.70	6,916.70	145.20	239.74	-94.54	-703.43	-4,408.76	9,233.93	8,960.67	273.26	33.792		
11,900.00	6,906.96	6,916.96	6,916.96	147.99	239.75	-94.59	-703.43	-4,408.76	9,333.87	9,060.55	273.32	34.150		
12,000.00	6,907.22	6,917.22	6,917.22	150.78	239.76	-94.64	-703.43	-4,408.76	9,433.82	9,160.43	273.39	34.507		
12,100.00	6,907.48	6,917.48	6,917.48	153.57	239.77	-94.69	-703.43	-4,408.76	9,533.77	9,260.31	273.45	34.864		
12,200.00	6,907.74	6,917.74	6,917.74	156.37	239.78	-94.74	-703.43	-4,408.76	9,633.72	9,360.20	273.52	35.221		
12,300.00	6,908.01	6,918.01	6,918.01	159.17	239.79	-94.79	-703.43	-4,408.76	9,733.67	9,460.08	273.59	35.578		
12,400.00	6,908.27	6,918.27	6,918.27	161.97	239.79	-94.84	-703.43	-4,408.76	9,833.62	9,559.96	273.66	35.934		
12,500.00	6,908.53	6,918.53	6,918.53	164.77	239.80	-94.89	-703.43	-4,408.76	9,933.57	9,659.84	273.73	36.290		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-83.63	473.23	-4,238.74	4,265.21					
100.00	100.00	66.00	66.00	3.28	1.15	-83.63	473.23	-4,238.74	4,265.08	4,260.64	4.44	961.294		
200.00	200.00	166.00	166.00	3.34	4.05	-83.63	473.23	-4,238.74	4,265.08	4,257.69	7.39	577.408		
300.00	299.98	265.98	265.98	3.44	7.54	79.45	473.23	-4,238.74	4,264.76	4,253.78	10.98	388.436		
400.00	399.84	365.84	365.84	3.59	11.03	79.54	473.23	-4,238.74	4,263.80	4,249.19	14.61	291.748		
500.00	499.45	465.45	465.45	3.79	14.50	79.68	473.23	-4,238.74	4,262.22	4,243.93	18.29	233.032		
600.00	598.70	564.70	564.70	4.04	17.97	79.89	473.23	-4,238.74	4,260.05	4,238.05	22.00	193.654		
660.50	658.52	624.52	624.52	4.20	20.06	80.04	473.23	-4,238.74	4,258.45	4,234.20	24.25	175.580		
700.00	697.51	663.51	663.51	4.31	21.42	80.12	473.23	-4,238.74	4,257.35	4,231.62	25.73	165.454		
800.00	796.22	762.22	762.22	4.63	24.86	80.33	473.23	-4,238.74	4,254.60	4,225.10	29.50	144.247		
900.00	894.93	860.93	860.93	4.98	28.31	80.54	473.23	-4,238.74	4,251.90	4,218.62	33.29	127.740		
1,000.00	993.64	959.64	959.64	5.34	31.76	80.75	473.23	-4,238.74	4,249.27	4,212.17	37.10	114.543		
1,100.00	1,092.35	1,058.35	1,058.35	5.73	35.20	80.96	473.23	-4,238.74	4,246.69	4,205.76	40.93	103.762		
1,200.00	1,191.06	1,157.06	1,157.06	6.13	38.65	81.17	473.23	-4,238.74	4,244.17	4,199.40	44.77	94.798		
1,300.00	1,289.78	1,255.78	1,255.78	6.54	42.09	81.38	473.23	-4,238.74	4,241.71	4,193.09	48.63	87.232		
1,400.00	1,388.49	1,354.49	1,354.49	6.95	45.54	81.59	473.23	-4,238.74	4,239.31	4,186.82	52.49	80.763		
1,500.00	1,487.20	1,453.20	1,453.20	7.38	48.99	81.80	473.23	-4,238.74	4,236.97	4,180.61	56.36	75.172		
1,600.00	1,585.91	1,551.91	1,551.91	7.81	52.43	82.02	473.23	-4,238.74	4,234.69	4,174.45	60.24	70.294		
1,700.00	1,684.62	1,650.62	1,650.62	8.25	55.88	82.23	473.23	-4,238.74	4,232.47	4,168.34	64.13	66.001		
1,800.00	1,783.33	1,749.33	1,749.33	8.70	59.32	82.44	473.23	-4,238.74	4,230.31	4,162.29	68.02	62.194		
1,900.00	1,882.04	1,848.04	1,848.04	9.15	62.77	82.65	473.23	-4,238.74	4,228.20	4,156.29	71.91	58.797		
2,000.00	1,980.75	1,946.75	1,946.75	9.60	66.22	82.86	473.23	-4,238.74	4,226.16	4,150.35	75.81	55.748		
2,100.00	2,079.46	2,045.46	2,045.46	10.05	69.66	83.08	473.23	-4,238.74	4,224.18	4,144.47	79.71	52.995		
2,200.00	2,178.17	2,144.17	2,144.17	10.51	73.11	83.29	473.23	-4,238.74	4,222.25	4,138.64	83.61	50.498		
2,300.00	2,276.88	2,242.88	2,242.88	10.97	76.55	83.50	473.23	-4,238.74	4,220.39	4,132.87	87.52	48.224		
2,400.00	2,375.59	2,341.59	2,341.59	11.43	80.00	83.72	473.23	-4,238.74	4,218.58	4,127.16	91.42	46.143		
2,500.00	2,474.31	2,440.31	2,440.31	11.89	83.45	83.93	473.23	-4,238.74	4,216.84	4,121.51	95.33	44.232		
2,600.00	2,573.02	2,539.02	2,539.02	12.36	86.89	84.14	473.23	-4,238.74	4,215.15	4,115.91	99.24	42.472		
2,700.00	2,671.73	2,637.73	2,637.73	12.82	90.34	84.36	473.23	-4,238.74	4,213.53	4,110.37	103.16	40.846		
2,800.00	2,770.44	2,736.44	2,736.44	13.29	93.78	84.57	473.23	-4,238.74	4,211.97	4,104.90	107.07	39.338		
2,900.00	2,869.15	2,835.15	2,835.15	13.76	97.23	84.78	473.23	-4,238.74	4,210.46	4,099.48	110.98	37.937		
3,000.00	2,967.86	2,933.86	2,933.86	14.23	100.68	85.00	473.23	-4,238.74	4,209.02	4,094.12	114.90	36.632		
3,100.00	3,066.57	3,032.57	3,032.57	14.70	104.12	85.21	473.23	-4,238.74	4,207.64	4,088.82	118.82	35.413		
3,200.00	3,165.28	3,131.28	3,131.28	15.17	107.57	85.43	473.23	-4,238.74	4,206.31	4,083.58	122.73	34.272		
3,300.00	3,263.99	3,229.99	3,229.99	15.64	111.01	85.64	473.23	-4,238.74	4,205.05	4,078.40	126.65	33.202		
3,400.00	3,362.70	3,328.70	3,328.70	16.11	114.46	85.86	473.23	-4,238.74	4,203.85	4,073.28	130.57	32.196		
3,500.00	3,461.41	3,427.41	3,427.41	16.59	117.91	86.07	473.23	-4,238.74	4,202.71	4,068.22	134.49	31.249		
3,600.00	3,560.12	3,526.12	3,526.12	17.06	121.35	86.29	473.23	-4,238.74	4,201.63	4,063.22	138.41	30.356		
3,700.00	3,658.84	3,624.84	3,624.84	17.53	124.80	86.50	473.23	-4,238.74	4,200.61	4,058.28	142.33	29.513		
3,800.00	3,757.55	3,723.55	3,723.55	18.01	128.24	86.72	473.23	-4,238.74	4,199.65	4,053.40	146.25	28.715		
3,900.00	3,856.26	3,822.26	3,822.26	18.48	131.69	86.93	473.23	-4,238.74	4,198.75	4,048.58	150.17	27.959		
4,000.00	3,954.97	3,920.97	3,920.97	18.96	135.14	87.15	473.23	-4,238.74	4,197.91	4,043.82	154.10	27.242		
4,100.00	4,053.68	4,019.68	4,019.68	19.44	138.58	87.36	473.23	-4,238.74	4,197.14	4,039.12	158.02	26.561		
4,200.00	4,152.39	4,118.39	4,118.39	19.91	142.03	87.58	473.23	-4,238.74	4,196.42	4,034.48	161.94	25.913		
4,300.00	4,251.10	4,217.10	4,217.10	20.39	145.47	87.79	473.23	-4,238.74	4,195.77	4,029.90	165.86	25.297		
4,400.00	4,349.81	4,315.81	4,315.81	20.87	148.92	88.01	473.23	-4,238.74	4,195.17	4,025.39	169.79	24.708		
4,500.00	4,448.52	4,414.52	4,414.52	21.34	152.37	88.23	473.23	-4,238.74	4,194.64	4,020.93	173.71	24.147		
4,600.00	4,547.23	4,513.23	4,513.23	21.82	155.81	88.44	473.23	-4,238.74	4,194.17	4,016.53	177.63	23.611		
4,700.00	4,645.94	4,611.94	4,611.94	22.30	159.26	88.66	473.23	-4,238.74	4,193.76	4,012.20	181.56	23.099		
4,800.00	4,744.65	4,710.65	4,710.65	22.78	162.70	88.87	473.23	-4,238.74	4,193.41	4,007.93	185.48	22.608		
4,900.00	4,843.37	4,809.37	4,809.37	23.26	166.15	89.09	473.23	-4,238.74	4,193.12	4,003.71	189.41	22.138		
5,000.00	4,942.08	4,908.08	4,908.08	23.74	169.60	89.30	473.23	-4,238.74	4,192.89	3,999.56	193.33	21.688		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,040.79	5,006.79	5,006.79	24.21	173.04	89.52	473.23	-4,238.74	4,192.72	3,995.47	197.26	21.255		
5,200.00	5,139.50	5,105.50	5,105.50	24.69	176.49	89.74	473.23	-4,238.74	4,192.62	3,991.44	201.18	20.840		
5,300.00	5,238.21	5,204.21	5,204.21	25.17	179.93	89.95	473.23	-4,238.74	4,192.58	3,987.47	205.11	20.441		
5,322.36	5,260.28	5,226.28	5,226.28	25.28	180.70	90.00	473.23	-4,238.74	4,192.57	3,986.59	205.98	20.354 CC		
5,400.00	5,336.92	5,302.92	5,302.92	25.65	183.38	90.17	473.23	-4,238.74	4,192.59	3,983.56	209.03	20.057		
5,500.00	5,435.63	5,401.63	5,401.63	26.13	186.83	90.38	473.23	-4,238.74	4,192.67	3,979.71	212.96	19.688		
5,600.00	5,534.34	5,500.34	5,500.34	26.61	190.27	90.60	473.23	-4,238.74	4,192.81	3,975.93	216.88	19.332		
5,700.00	5,633.05	5,600.95	5,599.05	27.09	193.78	90.82	473.23	-4,238.74	4,193.01	3,972.14	220.87	18.984		
5,800.00	5,731.76	5,702.24	5,697.76	27.57	197.32	91.03	473.23	-4,238.74	4,193.27	3,968.38	224.89	18.646		
5,900.00	5,830.47	5,803.53	5,796.47	28.05	200.86	91.25	473.23	-4,238.74	4,193.59	3,964.69	228.90	18.320		
6,000.00	5,929.18	5,904.82	5,895.18	28.53	204.39	91.46	473.23	-4,238.74	4,193.98	3,961.06	232.92	18.006		
6,100.00	6,027.90	6,006.10	5,993.90	29.01	207.93	91.68	473.23	-4,238.74	4,194.42	3,957.49	236.93	17.703		
6,200.00	6,126.61	6,107.39	6,092.61	29.49	211.46	91.89	473.23	-4,238.74	4,194.93	3,953.98	240.95	17.410		
6,300.00	6,225.32	6,208.68	6,191.32	29.97	215.00	92.11	473.23	-4,238.74	4,195.49	3,950.53	244.97	17.127 ES		
6,311.21	6,236.38	6,202.38	6,202.38	30.03	214.78	92.13	473.23	-4,238.74	4,195.56	3,950.76	244.80	17.139		
6,350.00	6,274.70	6,240.70	6,240.70	30.21	216.12	114.25	473.23	-4,238.74	4,196.92	3,950.59	246.32	17.038		
6,400.00	6,324.03	6,309.97	6,290.03	30.43	218.54	140.13	473.23	-4,238.74	4,201.96	3,952.99	248.96	16.878		
6,450.00	6,373.00	6,339.00	6,339.00	30.65	219.55	157.34	473.23	-4,238.74	4,210.68	3,960.49	250.19	16.830		
6,500.00	6,421.31	6,387.31	6,387.31	30.84	221.24	168.00	473.23	-4,238.74	4,223.01	3,970.94	252.07	16.753		
6,550.00	6,468.66	6,434.66	6,434.66	31.03	222.89	174.97	473.23	-4,238.74	4,238.89	3,984.98	253.91	16.694		
6,600.00	6,514.76	6,480.76	6,480.76	31.20	224.50	179.95	473.23	-4,238.74	4,258.20	4,002.51	255.69	16.654		
6,650.00	6,559.32	6,525.32	6,525.32	31.37	226.05	-176.20	473.23	-4,238.74	4,280.83	4,023.42	257.41	16.630		
6,700.00	6,602.08	6,568.08	6,568.08	31.52	227.55	-172.98	473.23	-4,238.74	4,306.64	4,047.58	259.06	16.624 SF		
6,750.00	6,642.77	6,608.77	6,608.77	31.65	228.97	-170.08	473.23	-4,238.74	4,335.47	4,074.85	260.61	16.636		
6,800.00	6,681.13	6,647.13	6,647.13	31.78	230.31	-167.31	473.23	-4,238.74	4,367.15	4,105.07	262.08	16.663		
6,850.00	6,716.93	6,682.93	6,682.93	31.89	231.56	-164.48	473.23	-4,238.74	4,401.48	4,138.04	263.44	16.707		
6,900.00	6,749.95	6,715.95	6,715.95	31.99	232.71	-161.45	473.23	-4,238.74	4,438.27	4,173.57	264.70	16.767		
6,950.00	6,779.98	6,745.98	6,745.98	32.08	233.76	-158.05	473.23	-4,238.74	4,477.28	4,211.45	265.83	16.842		
7,000.00	6,806.85	6,772.85	6,772.85	32.16	234.70	-154.08	473.23	-4,238.74	4,518.30	4,251.45	266.85	16.932		
7,050.00	6,830.38	6,803.62	6,796.38	32.24	235.77	-149.29	473.23	-4,238.74	4,561.06	4,293.07	267.99	17.020		
7,100.00	6,850.43	6,816.43	6,816.43	32.35	236.22	-143.36	473.23	-4,238.74	4,605.32	4,336.83	268.49	17.153		
7,150.00	6,866.88	6,832.88	6,832.88	32.59	236.79	-135.88	473.23	-4,238.74	4,650.80	4,381.69	269.11	17.282		
7,200.00	6,879.62	6,845.62	6,845.62	32.99	237.24	-126.44	473.23	-4,238.74	4,697.24	4,427.65	269.59	17.424		
7,250.00	6,888.58	6,854.58	6,854.58	33.48	237.55	-114.84	473.23	-4,238.74	4,744.35	4,474.41	269.94	17.576		
7,300.00	6,893.70	6,859.70	6,859.70	34.02	237.73	-101.46	473.23	-4,238.74	4,791.85	4,521.71	270.14	17.738		
7,339.40	6,895.01	6,861.01	6,861.01	34.48	237.77	-90.47	473.23	-4,238.74	4,829.37	4,559.17	270.21	17.873		
7,400.00	6,895.16	6,861.16	6,861.16	35.24	237.78	-90.47	473.23	-4,238.74	4,887.09	4,616.84	270.25	18.084		
7,500.00	6,895.43	6,861.43	6,861.43	36.64	237.79	-90.48	473.23	-4,238.74	4,982.48	4,712.15	270.32	18.432		
7,600.00	6,895.69	6,861.69	6,861.69	38.20	237.80	-90.49	473.23	-4,238.74	5,078.04	4,807.63	270.41	18.779		
7,700.00	6,895.95	6,861.95	6,861.95	39.91	237.81	-90.50	473.23	-4,238.74	5,173.78	4,903.26	270.52	19.125		
7,800.00	6,896.21	6,862.21	6,862.21	41.75	237.81	-90.51	473.23	-4,238.74	5,269.67	4,999.04	270.63	19.472		
7,900.00	6,896.47	6,862.47	6,862.47	43.69	237.82	-90.52	473.23	-4,238.74	5,365.72	5,094.96	270.76	19.817		
8,000.00	6,896.74	6,862.74	6,862.74	45.73	237.83	-90.53	473.23	-4,238.74	5,461.90	5,191.01	270.89	20.163		
8,100.00	6,897.00	6,863.00	6,863.00	47.85	237.84	-90.54	473.23	-4,238.74	5,558.23	5,287.19	271.04	20.507		
8,200.00	6,897.26	6,863.26	6,863.26	50.04	237.85	-90.55	473.23	-4,238.74	5,654.67	5,383.49	271.18	20.852		
8,300.00	6,897.52	6,863.52	6,863.52	52.30	237.86	-90.56	473.23	-4,238.74	5,751.24	5,479.91	271.34	21.196		
8,400.00	6,897.78	6,863.78	6,863.78	54.61	237.87	-90.57	473.23	-4,238.74	5,847.93	5,576.43	271.50	21.539		
8,500.00	6,898.05	6,864.05	6,864.05	56.98	237.88	-90.58	473.23	-4,238.74	5,944.72	5,673.06	271.66	21.883		
8,600.00	6,898.31	6,864.31	6,864.31	59.38	237.89	-90.59	473.23	-4,238.74	6,041.62	5,769.79	271.83	22.226		
8,700.00	6,898.57	6,864.57	6,864.57	61.82	237.90	-90.60	473.23	-4,238.74	6,138.62	5,866.62	272.00	22.569		
8,800.00	6,898.83	6,864.83	6,864.83	64.30	237.91	-90.61	473.23	-4,238.74	6,235.71	5,963.54	272.17	22.911		
8,900.00	6,899.10	6,865.10	6,865.10	66.81	237.92	-90.62	473.23	-4,238.74	6,332.90	6,060.55	272.35	23.253		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	6,865.36	6,865.36	69.34	237.92	-90.63	473.23	-4,238.74	6,430.17	6,157.65	272.52	23.595		
9,100.00	6,899.62	6,865.62	6,865.62	71.90	237.93	-90.64	473.23	-4,238.74	6,527.52	6,254.82	272.70	23.937		
9,200.00	6,899.88	6,865.88	6,865.88	74.48	237.94	-90.65	473.23	-4,238.74	6,624.95	6,352.08	272.88	24.278		
9,300.00	6,900.14	6,866.14	6,866.14	77.08	237.95	-90.66	473.23	-4,238.74	6,722.46	6,449.40	273.06	24.619		
9,400.00	6,900.41	6,866.41	6,866.41	79.70	237.96	-90.68	473.23	-4,238.74	6,820.04	6,546.80	273.24	24.960		
9,500.00	6,900.67	6,866.67	6,866.67	82.33	237.97	-90.69	473.23	-4,238.74	6,917.69	6,644.27	273.42	25.301		
9,600.00	6,900.93	6,866.93	6,866.93	84.97	237.98	-90.70	473.23	-4,238.74	7,015.40	6,741.81	273.60	25.642		
9,700.00	6,901.19	6,867.19	6,867.19	87.63	237.99	-90.71	473.23	-4,238.74	7,113.18	6,839.40	273.78	25.982		
9,800.00	6,901.45	6,867.45	6,867.45	90.31	238.00	-90.72	473.23	-4,238.74	7,211.02	6,937.06	273.95	26.322		
9,900.00	6,901.72	6,867.72	6,867.72	92.99	238.01	-90.73	473.23	-4,238.74	7,308.92	7,034.78	274.13	26.662		
10,000.00	6,901.98	6,867.98	6,867.98	95.68	238.02	-90.74	473.23	-4,238.74	7,406.87	7,132.56	274.31	27.002		
10,100.00	6,902.24	6,868.24	6,868.24	98.38	238.03	-90.75	473.23	-4,238.74	7,504.88	7,230.39	274.49	27.341		
10,200.00	6,902.50	6,868.50	6,868.50	101.09	238.03	-90.76	473.23	-4,238.74	7,602.94	7,328.27	274.67	27.680		
10,300.00	6,902.76	6,868.76	6,868.76	103.81	238.04	-90.77	473.23	-4,238.74	7,701.05	7,426.20	274.85	28.020		
10,400.00	6,903.03	6,869.03	6,869.03	106.53	238.05	-90.78	473.23	-4,238.74	7,799.20	7,524.18	275.02	28.359		
10,500.00	6,903.29	6,869.29	6,869.29	109.26	238.06	-90.79	473.23	-4,238.74	7,897.41	7,622.21	275.20	28.697		
10,600.00	6,903.55	6,869.55	6,869.55	112.00	238.07	-90.80	473.23	-4,238.74	7,995.65	7,720.28	275.37	29.036		
10,700.00	6,903.81	6,869.81	6,869.81	114.75	238.08	-90.81	473.23	-4,238.74	8,093.95	7,818.40	275.54	29.374		
10,800.00	6,904.08	6,870.08	6,870.08	117.49	238.09	-90.82	473.23	-4,238.74	8,192.28	7,916.56	275.72	29.713		
10,900.00	6,904.34	6,870.34	6,870.34	120.25	238.10	-90.83	473.23	-4,238.74	8,290.65	8,014.76	275.89	30.051		
11,000.00	6,904.60	6,870.60	6,870.60	123.00	238.11	-90.84	473.23	-4,238.74	8,389.06	8,113.00	276.06	30.389		
11,100.00	6,904.86	6,870.86	6,870.86	125.77	238.12	-90.85	473.23	-4,238.74	8,487.51	8,211.28	276.23	30.726		
11,200.00	6,905.12	6,871.12	6,871.12	128.53	238.13	-90.86	473.23	-4,238.74	8,585.99	8,309.59	276.40	31.064		
11,300.00	6,905.39	6,871.39	6,871.39	131.30	238.14	-90.87	473.23	-4,238.74	8,684.51	8,407.95	276.57	31.401		
11,400.00	6,905.65	6,871.65	6,871.65	134.08	238.14	-90.88	473.23	-4,238.74	8,783.06	8,506.33	276.73	31.738		
11,500.00	6,905.91	6,871.91	6,871.91	136.85	238.15	-90.89	473.23	-4,238.74	8,881.65	8,604.75	276.90	32.075		
11,600.00	6,906.17	6,872.17	6,872.17	139.63	238.16	-90.90	473.23	-4,238.74	8,980.26	8,703.20	277.06	32.412		
11,700.00	6,906.43	6,872.43	6,872.43	142.42	238.17	-90.91	473.23	-4,238.74	9,078.91	8,801.68	277.23	32.749		
11,800.00	6,906.70	6,872.70	6,872.70	145.20	238.18	-90.92	473.23	-4,238.74	9,177.58	8,900.19	277.39	33.085		
11,900.00	6,906.96	6,872.96	6,872.96	147.99	238.19	-90.93	473.23	-4,238.74	9,276.29	8,998.73	277.55	33.422		
12,000.00	6,907.22	6,873.22	6,873.22	150.78	238.20	-90.94	473.23	-4,238.74	9,375.02	9,097.30	277.72	33.758		
12,100.00	6,907.48	6,873.48	6,873.48	153.57	238.21	-90.95	473.23	-4,238.74	9,473.78	9,195.90	277.88	34.094		
12,200.00	6,907.74	6,873.74	6,873.74	156.37	238.22	-90.96	473.23	-4,238.74	9,572.56	9,294.52	278.04	34.429		
12,300.00	6,908.01	6,874.01	6,874.01	159.17	238.23	-90.97	473.23	-4,238.74	9,671.37	9,393.17	278.19	34.765		
12,400.00	6,908.27	6,874.27	6,874.27	161.97	238.24	-90.98	473.23	-4,238.74	9,770.20	9,491.85	278.35	35.100		
12,500.00	6,908.53	6,874.53	6,874.53	164.77	238.24	-90.99	473.23	-4,238.74	9,869.06	9,590.55	278.51	35.435		
12,600.00	6,908.79	6,874.79	6,874.79	167.57	238.25	-91.00	473.23	-4,238.74	9,967.94	9,689.27	278.67	35.770		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	68.86	954.96	2,469.10	2,647.34					
100.00	100.00	92.47	92.47	3.28	3.29	68.86	954.99	2,469.15	2,647.40	2,640.83	6.57	402.910		
200.00	200.00	194.73	194.73	3.34	3.34	68.85	955.12	2,469.21	2,647.50	2,640.82	6.68	396.623		
300.00	299.98	305.71	305.70	3.44	3.46	-128.12	955.37	2,468.93	2,648.42	2,641.53	6.90	383.984		
400.00	399.84	412.52	412.51	3.59	3.63	-128.19	955.64	2,468.27	2,651.17	2,643.95	7.22	367.310		
500.00	499.45	519.09	519.09	3.79	3.85	-128.28	955.82	2,467.28	2,655.77	2,648.14	7.63	347.906		
600.00	598.70	614.20	614.19	4.04	4.07	-128.38	955.74	2,466.49	2,662.56	2,654.46	8.10	328.573		
660.50	658.52	672.33	672.32	4.20	4.23	-128.44	955.72	2,466.06	2,667.80	2,659.38	8.42	316.748		
700.00	697.51	710.83	710.82	4.31	4.33	-128.55	955.78	2,465.76	2,671.51	2,662.86	8.64	309.081		
800.00	796.22	812.47	812.45	4.63	4.63	-128.84	956.01	2,464.90	2,680.89	2,671.64	9.25	289.832		
900.00	894.93	912.86	912.83	4.98	4.94	-129.12	956.23	2,463.96	2,690.24	2,680.35	9.90	271.781		
1,000.00	993.64	1,014.36	1,014.33	5.34	5.28	-129.40	956.42	2,462.95	2,699.60	2,689.02	10.59	254.956		
1,100.00	1,092.35	1,123.71	1,123.67	5.73	5.65	-129.70	956.65	2,461.53	2,708.76	2,697.42	11.34	238.923		
1,200.00	1,191.06	1,229.16	1,229.10	6.13	6.02	-129.99	956.72	2,459.82	2,717.62	2,705.52	12.10	224.614		
1,300.00	1,289.78	1,325.61	1,325.54	6.54	6.38	-130.25	956.85	2,458.17	2,726.49	2,713.64	12.85	212.210		
1,400.00	1,388.49	1,422.50	1,422.42	6.95	6.74	-130.52	957.20	2,456.55	2,735.55	2,721.94	13.62	200.921		
1,500.00	1,487.20	1,525.90	1,525.80	7.38	7.13	-130.81	957.39	2,454.76	2,744.54	2,730.12	14.42	190.312		
1,600.00	1,585.91	1,621.29	1,621.18	7.81	7.49	-131.07	957.60	2,453.13	2,753.63	2,738.42	15.21	181.070		
1,700.00	1,684.62	1,723.49	1,723.36	8.25	7.89	-131.34	957.78	2,451.39	2,762.78	2,746.75	16.03	172.340		
1,800.00	1,783.33	1,825.31	1,825.16	8.70	8.29	-131.61	957.88	2,449.48	2,771.79	2,754.93	16.86	164.384		
1,900.00	1,882.04	1,913.57	1,913.41	9.15	8.64	-131.85	958.10	2,447.93	2,781.04	2,763.39	17.64	157.626		
2,000.00	1,980.75	1,995.36	1,995.19	9.60	8.96	-132.07	958.61	2,446.82	2,790.85	2,772.44	18.40	151.658		
2,100.00	2,079.46	2,088.41	2,088.23	10.05	9.34	-132.32	959.50	2,445.83	2,801.13	2,781.91	19.21	145.797		
2,200.00	2,178.17	2,182.12	2,181.92	10.51	9.71	-132.58	960.89	2,444.77	2,811.64	2,791.61	20.03	140.370		
2,300.00	2,276.88	2,273.64	2,273.42	10.97	10.08	-132.85	962.95	2,443.60	2,822.42	2,801.58	20.84	135.417		
2,400.00	2,375.59	2,368.98	2,368.72	11.43	10.47	-133.13	965.41	2,442.45	2,833.47	2,811.80	21.67	130.726		
2,500.00	2,474.31	2,451.34	2,451.04	11.89	10.81	-133.38	967.86	2,441.49	2,844.82	2,822.37	22.45	126.705		
2,600.00	2,573.02	2,532.71	2,532.34	12.36	11.15	-133.63	970.90	2,440.91	2,856.96	2,833.74	23.23	123.005		
2,700.00	2,671.73	2,626.22	2,625.78	12.82	11.53	-133.92	974.52	2,440.50	2,869.50	2,845.44	24.06	119.277		
2,800.00	2,770.44	2,720.64	2,720.13	13.29	11.92	-134.21	978.39	2,440.08	2,882.21	2,857.32	24.89	115.776		
2,900.00	2,869.15	2,800.00	2,799.41	13.76	12.25	-134.45	981.79	2,439.87	2,895.27	2,869.61	25.66	112.822		
3,000.00	2,967.86	2,876.09	2,875.43	14.23	12.57	-134.68	985.17	2,440.20	2,909.09	2,882.68	26.41	110.140		
3,100.00	3,066.57	2,967.61	2,966.84	14.70	12.95	-134.95	989.35	2,441.37	2,923.73	2,896.49	27.24	107.344		
3,200.00	3,165.28	3,058.59	3,057.72	15.17	13.33	-135.21	993.45	2,442.57	2,938.46	2,910.41	28.06	104.722		
3,300.00	3,263.99	3,147.98	3,147.01	15.64	13.71	-135.47	997.61	2,444.05	2,953.62	2,924.75	28.87	102.290		
3,400.00	3,362.70	3,240.92	3,239.83	16.11	14.10	-135.72	1,001.80	2,445.87	2,969.03	2,939.32	29.71	99.941		
3,500.00	3,461.41	3,339.91	3,338.72	16.59	14.51	-135.98	1,005.53	2,448.38	2,984.63	2,954.06	30.57	97.627		
3,600.00	3,560.12	3,441.19	3,439.91	17.06	14.94	-136.23	1,009.02	2,450.86	3,000.07	2,968.62	31.45	95.398		
3,700.00	3,658.84	3,536.57	3,535.19	17.53	15.34	-136.47	1,012.37	2,453.31	3,015.69	2,983.39	32.30	93.378		
3,800.00	3,757.55	3,662.42	3,660.95	18.01	15.86	-136.76	1,015.82	2,456.65	3,031.09	2,997.79	33.30	91.027		
3,900.00	3,856.26	3,782.97	3,781.46	18.48	16.36	-137.01	1,017.67	2,459.15	3,045.39	3,011.11	34.28	88.851		
4,000.00	3,954.97	3,894.34	3,892.81	18.96	16.83	-137.25	1,019.12	2,461.04	3,059.30	3,024.09	35.21	86.896		
4,100.00	4,053.68	4,008.39	4,006.84	19.44	17.30	-137.49	1,020.31	2,462.51	3,072.79	3,036.64	36.15	84.996		
4,200.00	4,152.39	4,115.25	4,113.69	19.91	17.75	-137.72	1,021.51	2,463.32	3,085.91	3,048.84	37.06	83.262		
4,300.00	4,251.10	4,209.19	4,207.63	20.39	18.15	-137.92	1,022.74	2,463.91	3,099.04	3,061.13	37.91	81.747		
4,400.00	4,349.81	4,310.18	4,308.60	20.87	18.57	-138.14	1,024.33	2,464.40	3,112.25	3,073.46	38.79	80.227		
4,500.00	4,448.52	4,433.29	4,431.69	21.34	19.09	-138.42	1,026.61	2,464.40	3,125.27	3,085.49	39.79	78.552		
4,600.00	4,547.23	4,609.41	4,607.77	21.82	19.83	-138.82	1,028.58	2,461.28	3,136.38	3,095.36	41.03	76.448		
4,700.00	4,645.94	4,719.41	4,717.71	22.30	20.30	-139.08	1,029.26	2,458.00	3,146.33	3,104.37	41.95	74.997		
4,800.00	4,744.65	4,824.89	4,823.13	22.78	20.74	-139.32	1,029.72	2,454.51	3,155.95	3,113.09	42.86	73.637		
4,900.00	4,843.37	4,921.37	4,919.57	23.26	21.15	-139.54	1,030.18	2,451.31	3,165.64	3,121.92	43.72	72.402		
5,000.00	4,942.08	5,025.38	5,023.50	23.74	21.59	-139.78	1,030.66	2,447.69	3,175.23	3,130.61	44.62	71.157		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,118.43	5,116.50	24.21	21.98	-139.99	1,031.31	2,444.43	3,184.99	3,139.52	45.47	70.042		
5,200.00	5,139.50	5,224.53	5,222.53	24.69	22.43	-140.23	1,031.74	2,440.77	3,194.67	3,148.29	46.38	68.876		
5,300.00	5,238.21	5,314.36	5,312.32	25.17	22.81	-140.43	1,031.83	2,437.89	3,204.44	3,157.22	47.22	67.865		
5,400.00	5,336.92	5,391.94	5,389.87	25.65	23.14	-140.59	1,031.90	2,435.87	3,214.76	3,166.76	47.99	66.982		
5,500.00	5,435.63	5,513.64	5,511.53	26.13	23.66	-140.84	1,031.71	2,432.85	3,225.06	3,176.08	48.98	65.846		
5,600.00	5,534.34	5,596.53	5,594.39	26.61	24.01	-141.01	1,031.59	2,430.69	3,235.32	3,185.54	49.78	64.991		
5,700.00	5,633.05	5,669.51	5,667.36	27.09	24.32	-141.16	1,031.70	2,429.21	3,246.25	3,195.72	50.53	64.241		
5,800.00	5,731.76	5,756.89	5,754.73	27.57	24.69	-141.32	1,031.90	2,428.12	3,257.89	3,206.54	51.35	63.441		
5,900.00	5,830.47	5,857.17	5,855.01	28.05	25.12	-141.52	1,032.32	2,426.81	3,269.63	3,217.40	52.24	62.592		
6,000.00	5,929.18	5,947.26	5,945.08	28.53	25.50	-141.70	1,033.02	2,425.42	3,281.43	3,228.36	53.07	61.832		
6,100.00	6,027.90	6,025.30	6,023.10	29.01	25.83	-141.87	1,034.13	2,424.32	3,293.74	3,239.90	53.84	61.175		
6,200.00	6,126.61	6,100.00	6,097.78	29.49	26.15	-142.02	1,035.69	2,423.62	3,306.84	3,252.25	54.59	60.574		
6,300.00	6,225.32	6,206.29	6,204.03	29.97	26.60	-142.26	1,038.58	2,422.47	3,320.24	3,264.73	55.51	59.816		
6,311.21	6,236.38	6,214.22	6,211.95	30.03	26.63	-142.28	1,038.81	2,422.36	3,321.73	3,266.14	55.59	59.755		
6,350.00	6,274.70	6,246.88	6,244.59	30.21	26.77	-120.14	1,039.80	2,421.93	3,325.98	3,270.08	55.90	59.501		
6,400.00	6,324.03	6,288.87	6,286.57	30.43	26.95	-94.49	1,041.10	2,421.45	3,328.73	3,272.45	56.29	59.138		
6,450.00	6,373.00	6,346.77	6,344.43	30.65	27.20	-77.86	1,042.88	2,420.82	3,328.34	3,271.58	56.75	58.647		
6,500.00	6,421.31	6,409.65	6,407.28	30.84	27.47	-68.15	1,044.63	2,419.94	3,324.59	3,267.36	57.23	58.092		
6,550.00	6,468.66	6,463.56	6,461.16	31.03	27.69	-62.40	1,046.11	2,418.98	3,317.60	3,259.95	57.65	57.549		
6,600.00	6,514.76	6,516.77	6,514.34	31.20	27.92	-59.02	1,047.64	2,417.84	3,307.49	3,249.44	58.05	56.975		
6,650.00	6,559.32	6,548.59	6,546.14	31.37	28.06	-56.99	1,048.57	2,417.22	3,294.54	3,236.20	58.33	56.477		
6,700.00	6,602.08	6,583.75	6,581.27	31.52	28.21	-56.03	1,049.62	2,416.59	3,278.86	3,220.23	58.63	55.927		
6,750.00	6,642.77	6,622.31	6,619.81	31.65	28.37	-55.88	1,050.80	2,415.95	3,260.58	3,201.65	58.93	55.326		
6,800.00	6,681.13	6,662.96	6,660.44	31.78	28.54	-56.42	1,052.12	2,415.19	3,239.75	3,180.50	59.25	54.677		
6,850.00	6,716.93	6,700.58	6,698.03	31.89	28.70	-57.52	1,053.41	2,414.39	3,216.54	3,156.98	59.56	54.006		
6,900.00	6,749.95	6,728.68	6,726.10	31.99	28.82	-59.02	1,054.44	2,413.75	3,191.16	3,131.34	59.82	53.343		
6,950.00	6,779.98	6,754.12	6,751.51	32.08	28.93	-60.98	1,055.44	2,413.14	3,163.85	3,103.76	60.09	52.654		
7,000.00	6,806.85	6,776.66	6,774.02	32.16	29.03	-63.37	1,056.39	2,412.58	3,134.80	3,074.44	60.36	51.938		
7,050.00	6,830.38	6,796.17	6,793.50	32.24	29.11	-66.17	1,057.26	2,412.08	3,104.21	3,043.57	60.63	51.197		
7,100.00	6,850.43	6,810.39	6,807.71	32.35	29.17	-69.30	1,057.91	2,411.72	3,072.30	3,011.39	60.91	50.441		
7,150.00	6,866.88	6,821.38	6,818.68	32.59	29.22	-72.78	1,058.44	2,411.44	3,039.29	2,978.09	61.20	49.662		
7,200.00	6,879.62	6,829.70	6,826.99	32.99	29.25	-76.57	1,058.84	2,411.24	3,005.39	2,943.88	61.51	48.858		
7,250.00	6,888.58	6,835.31	6,832.60	33.48	29.28	-80.63	1,059.12	2,411.10	2,970.83	2,908.98	61.85	48.033		
7,300.00	6,893.70	6,838.16	6,835.44	34.02	29.29	-84.88	1,059.27	2,411.04	2,935.80	2,873.59	62.21	47.193		
7,339.40	6,895.01	6,838.43	6,835.70	34.48	29.29	-88.31	1,059.28	2,411.03	2,908.01	2,845.51	62.51	46.523		
7,400.00	6,895.16	6,837.49	6,834.77	35.24	29.29	-88.29	1,059.23	2,411.05	2,865.54	2,802.54	63.01	45.480		
7,500.00	6,895.43	6,835.94	6,833.22	36.64	29.28	-88.24	1,059.15	2,411.09	2,796.91	2,732.94	63.97	43.723		
7,600.00	6,895.69	6,834.38	6,831.66	38.20	29.27	-88.20	1,059.08	2,411.13	2,730.22	2,665.11	65.11	41.932		
7,700.00	6,895.95	6,832.80	6,830.08	39.91	29.27	-88.15	1,059.00	2,411.16	2,665.61	2,599.17	66.44	40.124		
7,800.00	6,896.21	6,831.20	6,828.49	41.75	29.26	-88.11	1,058.92	2,411.20	2,603.24	2,535.29	67.95	38.313		
7,900.00	6,896.47	6,829.59	6,826.88	43.69	29.25	-88.07	1,058.84	2,411.24	2,543.27	2,473.62	69.64	36.519		
8,000.00	6,896.74	6,827.97	6,825.26	45.73	29.25	-88.02	1,058.76	2,411.28	2,485.87	2,414.35	71.52	34.757		
8,100.00	6,897.00	6,826.33	6,823.63	47.85	29.24	-87.97	1,058.68	2,411.32	2,431.23	2,357.66	73.58	33.043		
8,200.00	6,897.26	6,824.68	6,821.98	50.04	29.23	-87.93	1,058.60	2,411.36	2,379.54	2,303.75	75.80	31.393		
8,300.00	6,897.52	6,823.01	6,820.31	52.30	29.23	-87.88	1,058.52	2,411.40	2,331.00	2,252.82	78.18	29.817		
8,400.00	6,897.78	6,821.33	6,818.63	54.61	29.22	-87.84	1,058.44	2,411.44	2,285.80	2,205.11	80.70	28.326		
8,500.00	6,898.05	6,819.63	6,816.93	56.98	29.21	-87.79	1,058.35	2,411.48	2,244.15	2,160.81	83.34	26.929		
8,600.00	6,898.31	6,817.92	6,815.22	59.38	29.20	-87.74	1,058.27	2,411.53	2,206.24	2,120.17	86.08	25.631		
8,700.00	6,898.57	6,816.18	6,813.49	61.82	29.20	-87.69	1,058.19	2,411.57	2,172.28	2,083.39	88.90	24.436		
8,800.00	6,898.83	6,814.44	6,811.75	64.30	29.19	-87.64	1,058.10	2,411.61	2,142.45	2,050.68	91.77	23.346		
8,900.00	6,899.10	6,812.67	6,809.99	66.81	29.18	-87.59	1,058.02	2,411.66	2,116.93	2,022.26	94.67	22.362		
9,000.00	6,899.36	6,810.89	6,808.21	69.34	29.17	-87.54	1,057.94	2,411.70	2,095.87	1,998.31	97.56	21.483		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.62	6,809.09	6,806.41	71.90	29.17	-87.49	1,057.85	2,411.75	2,079.41	1,978.99	100.42	20.708		
9,200.00	6,899.88	6,807.28	6,804.60	74.48	29.16	-87.44	1,057.77	2,411.80	2,067.66	1,964.45	103.21	20.034		
9,300.00	6,900.14	6,805.45	6,802.77	77.08	29.15	-87.39	1,057.68	2,411.84	2,060.69	1,954.79	105.90	19.458		
9,393.80	6,900.39	6,803.71	6,801.04	79.53	29.14	-87.35	1,057.60	2,411.89	2,058.56	1,950.23	108.33	19.003 CC		
9,400.00	6,900.41	6,803.60	6,800.93	79.70	29.14	-87.34	1,057.60	2,411.89	2,058.57	1,950.08	108.48	18.976 ES		
9,500.00	6,900.67	6,801.73	6,799.06	82.33	29.14	-87.29	1,057.51	2,411.94	2,061.29	1,950.38	110.92	18.584		
9,600.00	6,900.93	6,800.00	6,797.33	84.97	29.13	-87.24	1,057.43	2,411.98	2,068.85	1,955.67	113.19	18.278		
9,700.00	6,901.19	6,797.95	6,795.29	87.63	29.12	-87.18	1,057.34	2,412.04	2,081.20	1,965.92	115.28	18.054		
9,800.00	6,901.45	6,796.07	6,793.41	90.31	29.11	-87.13	1,057.25	2,412.08	2,098.23	1,981.05	117.18	17.906		
9,900.00	6,901.72	6,794.21	6,791.55	92.99	29.10	-87.08	1,057.17	2,412.13	2,119.86	2,000.97	118.89	17.831		
10,000.00	6,901.98	6,792.35	6,789.69	95.68	29.10	-87.03	1,057.08	2,412.18	2,145.92	2,025.53	120.40	17.824 SF		
10,100.00	6,902.24	6,790.50	6,787.85	98.38	29.09	-86.98	1,057.00	2,412.23	2,176.27	2,054.56	121.71	17.881		
10,200.00	6,902.50	6,788.66	6,786.01	101.09	29.08	-86.93	1,056.92	2,412.27	2,210.73	2,087.89	122.84	17.997		
10,300.00	6,902.76	6,786.83	6,784.19	103.81	29.07	-86.88	1,056.84	2,412.32	2,249.11	2,125.32	123.79	18.169		
10,400.00	6,903.03	6,785.02	6,782.37	106.53	29.06	-86.82	1,056.76	2,412.37	2,291.21	2,166.65	124.57	18.394		
10,500.00	6,903.29	6,783.21	6,780.56	109.26	29.06	-86.77	1,056.68	2,412.41	2,336.84	2,211.65	125.19	18.666		
10,600.00	6,903.55	6,781.41	6,778.77	112.00	29.05	-86.72	1,056.60	2,412.46	2,385.78	2,260.11	125.67	18.985		
10,700.00	6,903.81	6,779.62	6,776.98	114.75	29.04	-86.67	1,056.52	2,412.50	2,437.85	2,311.83	126.02	19.345		
10,800.00	6,904.08	6,777.85	6,775.21	117.49	29.03	-86.63	1,056.44	2,412.55	2,492.83	2,366.58	126.25	19.745		
10,900.00	6,904.34	6,776.08	6,773.44	120.25	29.03	-86.58	1,056.37	2,412.59	2,550.56	2,424.17	126.39	20.181		
11,000.00	6,904.60	6,774.32	6,771.69	123.00	29.02	-86.53	1,056.29	2,412.64	2,610.83	2,484.41	126.43	20.651		
11,100.00	6,904.86	6,772.57	6,769.94	125.77	29.01	-86.48	1,056.21	2,412.68	2,673.49	2,547.10	126.39	21.153		
11,200.00	6,905.12	6,770.83	6,768.20	128.53	29.00	-86.43	1,056.14	2,412.73	2,738.36	2,612.08	126.28	21.684		
11,300.00	6,905.39	6,769.10	6,766.47	131.30	29.00	-86.38	1,056.07	2,412.77	2,805.30	2,679.18	126.12	22.243		
11,400.00	6,905.65	6,767.38	6,764.75	134.08	28.99	-86.33	1,055.99	2,412.81	2,874.16	2,748.25	125.91	22.827		
11,500.00	6,905.91	6,765.67	6,763.04	136.85	28.98	-86.29	1,055.92	2,412.85	2,944.80	2,819.15	125.65	23.436		
11,600.00	6,906.17	6,763.96	6,761.34	139.63	28.97	-86.24	1,055.85	2,412.90	3,017.11	2,891.74	125.37	24.066		
11,700.00	6,906.43	6,762.27	6,759.65	142.42	28.97	-86.19	1,055.78	2,412.94	3,090.95	2,965.90	125.05	24.718		
11,800.00	6,906.70	6,760.58	6,757.97	145.20	28.96	-86.15	1,055.71	2,412.98	3,166.23	3,041.52	124.71	25.388		
11,900.00	6,906.96	6,758.91	6,756.29	147.99	28.95	-86.10	1,055.64	2,413.02	3,242.85	3,118.50	124.36	26.077		
12,000.00	6,907.22	6,757.24	6,754.63	150.78	28.95	-86.05	1,055.57	2,413.06	3,320.71	3,196.73	123.98	26.783		
12,100.00	6,907.48	6,755.58	6,752.97	153.57	28.94	-86.01	1,055.50	2,413.10	3,399.73	3,276.12	123.60	27.505		
12,200.00	6,907.74	6,753.93	6,751.32	156.37	28.93	-85.96	1,055.43	2,413.14	3,479.82	3,356.61	123.22	28.242		
12,300.00	6,908.01	6,752.29	6,749.68	159.17	28.92	-85.91	1,055.37	2,413.18	3,560.92	3,438.10	122.82	28.992		
12,400.00	6,908.27	6,750.66	6,748.05	161.97	28.92	-85.87	1,055.30	2,413.22	3,642.96	3,520.53	122.43	29.756		
12,500.00	6,908.53	6,749.03	6,746.43	164.77	28.91	-85.82	1,055.23	2,413.26	3,725.88	3,603.85	122.03	30.531		
12,600.00	6,908.79	6,747.42	6,744.82	167.57	28.90	-85.78	1,055.17	2,413.30	3,809.62	3,687.97	121.64	31.319		
12,700.00	6,909.06	6,745.81	6,743.21	170.38	28.90	-85.73	1,055.11	2,413.34	3,894.12	3,772.87	121.25	32.116		
12,800.00	6,909.32	6,744.21	6,741.61	173.18	28.89	-85.69	1,055.04	2,413.38	3,979.34	3,858.48	120.86	32.925		
12,900.00	6,909.58	6,742.62	6,740.02	175.99	28.88	-85.65	1,054.98	2,413.42	4,065.23	3,944.75	120.48	33.742		
13,000.00	6,909.84	6,741.04	6,738.44	178.80	28.88	-85.60	1,054.92	2,413.45	4,151.75	4,031.65	120.10	34.569		
13,100.00	6,910.10	6,739.46	6,736.87	181.61	28.87	-85.56	1,054.85	2,413.49	4,238.87	4,119.14	119.73	35.404		
13,200.00	6,910.37	6,737.90	6,735.31	184.42	28.86	-85.51	1,054.79	2,413.53	4,326.54	4,207.18	119.36	36.247		
13,300.00	6,910.63	6,736.34	6,733.75	187.24	28.86	-85.47	1,054.73	2,413.57	4,414.74	4,295.73	119.01	37.097		
13,400.00	6,910.89	6,734.79	6,732.20	190.05	28.85	-85.43	1,054.67	2,413.60	4,503.43	4,384.77	118.65	37.954		
13,500.00	6,911.15	6,733.25	6,730.66	192.87	28.84	-85.39	1,054.61	2,413.64	4,592.58	4,474.27	118.31	38.818		
13,600.00	6,911.41	6,731.71	6,729.13	195.68	28.84	-85.34	1,054.55	2,413.68	4,682.17	4,564.20	117.97	39.688		
13,700.00	6,911.68	6,730.18	6,727.60	198.50	28.83	-85.30	1,054.49	2,413.71	4,772.17	4,654.53	117.65	40.564		
13,800.00	6,911.94	6,728.66	6,726.08	201.32	28.82	-85.26	1,054.44	2,413.75	4,862.57	4,745.24	117.32	41.446		
13,900.00	6,912.20	6,727.15	6,724.57	204.14	28.82	-85.22	1,054.38	2,413.78	4,953.33	4,836.32	117.01	42.332		
14,000.00	6,912.46	6,725.65	6,723.07	206.96	28.81	-85.17	1,054.32	2,413.82	5,044.44	4,927.73	116.71	43.224		
14,100.00	6,912.72	6,724.15	6,721.57	209.78	28.80	-85.13	1,054.26	2,413.85	5,135.88	5,019.47	116.41	44.120		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,722.66	6,720.09	212.61	28.80	-85.09	1,054.21	2,413.89	5,227.63	5,111.51	116.12	45.020		
14,300.00	6,913.25	6,721.18	6,718.61	215.43	28.79	-85.05	1,054.15	2,413.92	5,319.68	5,203.85	115.83	45.925		
14,400.00	6,913.51	6,719.71	6,717.13	218.26	28.79	-85.01	1,054.10	2,413.96	5,412.01	5,296.45	115.56	46.834		
14,500.00	6,913.77	6,718.24	6,715.67	221.08	28.78	-84.97	1,054.04	2,413.99	5,504.61	5,389.32	115.29	47.746		
14,600.00	6,914.04	6,716.78	6,714.21	223.91	28.77	-84.93	1,053.99	2,414.02	5,597.46	5,482.44	115.03	48.661		
14,700.00	6,914.30	6,715.33	6,712.76	226.73	28.77	-84.89	1,053.94	2,414.06	5,690.56	5,575.78	114.78	49.580		
14,800.00	6,914.56	6,713.88	6,711.31	229.56	28.76	-84.85	1,053.88	2,414.09	5,783.88	5,669.36	114.53	50.502		
14,900.00	6,914.82	6,712.44	6,709.87	232.39	28.75	-84.81	1,053.83	2,414.12	5,877.43	5,763.14	114.29	51.426		
15,000.00	6,915.08	6,711.01	6,708.44	235.22	28.75	-84.77	1,053.78	2,414.16	5,971.18	5,857.13	114.06	52.353		
15,100.00	6,915.35	6,709.59	6,707.02	238.05	28.74	-84.73	1,053.73	2,414.19	6,065.13	5,951.30	113.83	53.283		
15,200.00	6,915.61	6,708.17	6,705.60	240.88	28.74	-84.69	1,053.68	2,414.22	6,159.27	6,045.67	113.61	54.215		
15,300.00	6,915.87	6,707.00	6,697.44	243.71	28.70	-84.46	1,053.39	2,414.41	6,253.60	6,140.25	113.36	55.168		
15,400.00	6,916.13	6,707.00	6,697.44	246.54	28.70	-84.46	1,053.39	2,414.41	6,348.10	6,234.94	113.15	56.101		
15,500.00	6,916.39	6,707.00	6,697.44	249.37	28.70	-84.46	1,053.39	2,414.41	6,442.76	6,329.80	112.96	57.035		
15,600.00	6,916.66	6,707.00	6,697.44	252.20	28.70	-84.46	1,053.39	2,414.41	6,537.58	6,424.81	112.77	57.972		
15,700.00	6,916.92	6,707.00	6,697.44	255.03	28.70	-84.46	1,053.39	2,414.41	6,632.55	6,519.96	112.59	58.909		
15,800.00	6,917.18	6,707.00	6,697.44	257.87	28.70	-84.46	1,053.39	2,414.41	6,727.67	6,615.26	112.41	59.849		
15,900.00	6,917.44	6,707.00	6,697.44	260.70	28.70	-84.46	1,053.39	2,414.41	6,822.92	6,710.69	112.24	60.789		
16,000.00	6,917.70	6,707.00	6,697.44	263.53	28.70	-84.46	1,053.39	2,414.41	6,918.32	6,806.24	112.07	61.731		
16,100.00	6,917.97	6,707.00	6,697.44	266.37	28.70	-84.46	1,053.39	2,414.41	7,013.84	6,901.93	111.91	62.674		
16,200.00	6,918.23	6,707.00	6,697.44	269.20	28.70	-84.46	1,053.39	2,414.41	7,109.48	6,997.73	111.75	63.618		
16,300.00	6,918.49	6,707.00	6,697.44	272.04	28.70	-84.46	1,053.39	2,414.41	7,205.24	7,093.64	111.60	64.563		
16,400.00	6,918.75	6,707.00	6,697.44	274.87	28.70	-84.46	1,053.39	2,414.41	7,301.11	7,189.66	111.45	65.508		
16,500.00	6,919.02	6,707.00	6,697.44	277.71	28.70	-84.46	1,053.39	2,414.41	7,397.10	7,285.79	111.31	66.455		
16,600.00	6,919.28	6,707.00	6,697.44	280.55	28.70	-84.46	1,053.39	2,414.41	7,493.19	7,382.02	111.17	67.402		
16,700.00	6,919.54	6,707.00	6,697.44	283.38	28.70	-84.46	1,053.39	2,414.41	7,589.38	7,478.34	111.04	68.350		
16,800.00	6,919.80	6,687.37	6,684.83	286.22	28.65	-84.11	1,052.95	2,414.69	7,685.65	7,574.81	110.84	69.341		
16,900.00	6,920.06	6,686.18	6,683.64	289.06	28.64	-84.08	1,052.91	2,414.71	7,782.03	7,671.32	110.71	70.294		
17,000.00	6,920.33	6,685.01	6,682.46	291.90	28.64	-84.05	1,052.87	2,414.74	7,878.49	7,767.91	110.58	71.248		
17,100.00	6,920.59	6,683.84	6,681.30	294.73	28.63	-84.01	1,052.83	2,414.76	7,975.05	7,864.59	110.46	72.202		
17,200.00	6,920.85	6,682.68	6,680.14	297.57	28.63	-83.98	1,052.79	2,414.79	8,071.69	7,961.35	110.34	73.156		
17,300.00	6,921.11	6,681.53	6,678.99	300.41	28.62	-83.95	1,052.75	2,414.81	8,168.40	8,058.19	110.22	74.111		
17,400.00	6,921.37	6,680.39	6,677.85	303.25	28.62	-83.92	1,052.71	2,414.83	8,265.20	8,155.09	110.11	75.065		
17,500.00	6,921.64	6,679.26	6,676.73	306.09	28.61	-83.89	1,052.67	2,414.86	8,362.07	8,252.08	110.00	76.020		
17,600.00	6,921.90	6,678.14	6,675.61	308.93	28.61	-83.86	1,052.63	2,414.88	8,459.02	8,349.12	109.89	76.975		
17,638.91	6,922.00	6,677.71	6,675.17	310.03	28.61	-83.84	1,052.62	2,414.89	8,496.75	8,386.90	109.85	77.347		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	93.98	-624.24	8,964.20	8,985.95					
100.00	100.00	72.00	72.00	3.28	3.51	93.98	-624.24	8,964.20	8,985.91	8,979.11	6.80	1,321.992		
200.00	200.00	172.00	172.00	3.34	5.38	93.98	-624.24	8,964.20	8,985.91	8,977.19	8.71	1,031.359		
300.00	299.98	271.98	271.98	3.44	8.41	-102.97	-624.24	8,964.20	8,986.30	8,974.44	11.85	758.060		
400.00	399.84	371.84	371.84	3.59	11.70	-102.98	-624.24	8,964.20	8,987.47	8,972.18	15.29	587.678		
500.00	499.45	471.45	471.45	3.79	15.07	-102.99	-624.24	8,964.20	8,989.44	8,970.58	18.86	476.614		
600.00	598.70	570.70	570.70	4.04	18.47	-103.02	-624.24	8,964.20	8,992.20	8,969.70	22.50	399.630		
660.50	658.52	630.52	630.52	4.20	20.53	-103.03	-624.24	8,964.20	8,994.26	8,969.54	24.73	363.744		
700.00	697.51	669.51	669.51	4.31	21.87	-103.07	-624.24	8,964.20	8,995.71	8,969.52	26.19	343.504		
800.00	796.22	768.22	768.22	4.63	25.29	-103.17	-624.24	8,964.20	8,999.39	8,969.47	29.92	300.805		
900.00	894.93	866.93	866.93	4.98	28.71	-103.27	-624.24	8,964.20	9,003.09	8,969.41	33.68	267.298		
1,000.00	993.64	965.64	965.64	5.34	32.13	-103.36	-624.24	8,964.20	9,006.82	8,969.35	37.47	240.355		
1,100.00	1,092.35	1,064.35	1,064.35	5.73	35.56	-103.46	-624.24	8,964.20	9,010.58	8,969.30	41.29	218.251		
1,200.00	1,191.06	1,163.06	1,163.06	6.13	39.00	-103.56	-624.24	8,964.20	9,014.37	8,969.25	45.11	199.811		
1,300.00	1,289.78	1,261.78	1,261.78	6.54	42.43	-103.66	-624.24	8,964.20	9,018.18	8,969.22	48.96	184.204		
1,400.00	1,388.49	1,360.49	1,360.49	6.95	45.87	-103.75	-624.24	8,964.20	9,022.02	8,969.21	52.81	170.834		
1,500.00	1,487.20	1,459.20	1,459.20	7.38	49.30	-103.85	-624.24	8,964.20	9,025.88	8,969.21	56.67	159.258		
1,600.00	1,585.91	1,557.91	1,557.91	7.81	52.74	-103.95	-624.24	8,964.20	9,029.78	8,969.23	60.55	149.140		
1,700.00	1,684.62	1,656.62	1,656.62	8.25	56.18	-104.05	-624.24	8,964.20	9,033.70	8,969.27	64.42	140.225		
1,800.00	1,783.33	1,755.33	1,755.33	8.70	59.62	-104.14	-624.24	8,964.20	9,037.64	8,969.34	68.31	132.312		
1,900.00	1,882.04	1,854.04	1,854.04	9.15	63.06	-104.24	-624.24	8,964.20	9,041.61	8,969.42	72.19	125.243		
2,000.00	1,980.75	1,952.75	1,952.75	9.60	66.51	-104.34	-624.24	8,964.20	9,045.61	8,969.53	76.08	118.890		
2,100.00	2,079.46	2,051.46	2,051.46	10.05	69.95	-104.44	-624.24	8,964.20	9,049.64	8,969.66	79.98	113.151		
2,200.00	2,178.17	2,150.17	2,150.17	10.51	73.39	-104.53	-624.24	8,964.20	9,053.69	8,969.82	83.88	107.942		
2,300.00	2,276.88	2,248.88	2,248.88	10.97	76.83	-104.63	-624.24	8,964.20	9,057.77	8,969.99	87.78	103.192		
2,400.00	2,375.59	2,347.59	2,347.59	11.43	80.28	-104.73	-624.24	8,964.20	9,061.88	8,970.20	91.68	98.845		
2,500.00	2,474.31	2,446.31	2,446.31	11.89	83.72	-104.82	-624.24	8,964.20	9,066.01	8,970.42	95.58	94.850		
2,600.00	2,573.02	2,545.02	2,545.02	12.36	87.16	-104.92	-624.24	8,964.20	9,070.16	8,970.68	99.49	91.168		
2,700.00	2,671.73	2,643.73	2,643.73	12.82	90.61	-105.02	-624.24	8,964.20	9,074.35	8,970.95	103.40	87.763		
2,800.00	2,770.44	2,742.44	2,742.44	13.29	94.05	-105.11	-624.24	8,964.20	9,078.56	8,971.25	107.30	84.605		
2,900.00	2,869.15	2,841.15	2,841.15	13.76	97.49	-105.21	-624.24	8,964.20	9,082.80	8,971.58	111.21	81.669		
3,000.00	2,967.86	2,939.86	2,939.86	14.23	100.94	-105.30	-624.24	8,964.20	9,087.06	8,971.93	115.13	78.931		
3,100.00	3,066.57	3,038.57	3,038.57	14.70	104.38	-105.40	-624.24	8,964.20	9,091.35	8,972.31	119.04	76.373		
3,200.00	3,165.28	3,137.28	3,137.28	15.17	107.83	-105.50	-624.24	8,964.20	9,095.66	8,972.71	122.95	73.978		
3,300.00	3,263.99	3,235.99	3,235.99	15.64	111.27	-105.59	-624.24	8,964.20	9,100.00	8,973.14	126.87	71.729		
3,400.00	3,362.70	3,334.70	3,334.70	16.11	114.72	-105.69	-624.24	8,964.20	9,104.37	8,973.59	130.78	69.616		
3,500.00	3,461.41	3,433.41	3,433.41	16.59	118.16	-105.78	-624.24	8,964.20	9,108.76	8,974.07	134.70	67.625		
3,600.00	3,560.12	3,532.12	3,532.12	17.06	121.61	-105.88	-624.24	8,964.20	9,113.18	8,974.57	138.61	65.746		
3,700.00	3,658.84	3,630.84	3,630.84	17.53	125.05	-105.98	-624.24	8,964.20	9,117.63	8,975.10	142.53	63.971		
3,800.00	3,757.55	3,729.55	3,729.55	18.01	128.50	-106.07	-624.24	8,964.20	9,122.10	8,975.65	146.45	62.290		
3,900.00	3,856.26	3,828.26	3,828.26	18.48	131.94	-106.17	-624.24	8,964.20	9,126.60	8,976.23	150.36	60.697		
4,000.00	3,954.97	3,926.97	3,926.97	18.96	135.38	-106.26	-624.24	8,964.20	9,131.12	8,976.84	154.28	59.185		
4,100.00	4,053.68	4,025.68	4,025.68	19.44	138.83	-106.36	-624.24	8,964.20	9,135.67	8,977.47	158.20	57.748		
4,200.00	4,152.39	4,124.39	4,124.39	19.91	142.28	-106.45	-624.24	8,964.20	9,140.24	8,978.13	162.12	56.380		
4,300.00	4,251.10	4,223.10	4,223.10	20.39	145.72	-106.55	-624.24	8,964.20	9,144.84	8,978.81	166.04	55.077		
4,400.00	4,349.81	4,321.81	4,321.81	20.87	149.17	-106.64	-624.24	8,964.20	9,149.47	8,979.51	169.96	53.834		
4,500.00	4,448.52	4,420.52	4,420.52	21.34	152.61	-106.74	-624.24	8,964.20	9,154.12	8,980.24	173.88	52.647		
4,600.00	4,547.23	4,519.23	4,519.23	21.82	156.06	-106.83	-624.24	8,964.20	9,158.80	8,981.00	177.80	51.513		
4,700.00	4,645.94	4,617.94	4,617.94	22.30	159.50	-106.93	-624.24	8,964.20	9,163.50	8,981.78	181.72	50.428		
4,800.00	4,744.65	4,716.65	4,716.65	22.78	162.95	-107.02	-624.24	8,964.20	9,168.23	8,982.59	185.64	49.388		
4,900.00	4,843.37	4,815.37	4,815.37	23.26	166.39	-107.12	-624.24	8,964.20	9,172.98	8,983.43	189.56	48.392		
5,000.00	4,942.08	4,914.08	4,914.08	23.74	169.84	-107.21	-624.24	8,964.20	9,177.76	8,984.28	193.48	47.436		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,012.79	5,012.79	24.21	173.28	-107.30	-624.24	8,964.20	9,182.57	8,985.17	197.40	46.518		
5,200.00	5,139.50	5,111.50	5,111.50	24.69	176.73	-107.40	-624.24	8,964.20	9,187.40	8,986.08	201.32	45.636		
5,300.00	5,238.21	5,210.21	5,210.21	25.17	180.17	-107.49	-624.24	8,964.20	9,192.25	8,987.01	205.24	44.788		
5,400.00	5,336.92	5,308.92	5,308.92	25.65	183.62	-107.59	-624.24	8,964.20	9,197.13	8,987.97	209.16	43.971		
5,500.00	5,435.63	5,407.63	5,407.63	26.13	187.06	-107.68	-624.24	8,964.20	9,202.04	8,988.95	213.08	43.185		
5,600.00	5,534.34	5,506.34	5,506.34	26.61	190.51	-107.77	-624.24	8,964.20	9,206.97	8,989.96	217.00	42.428		
5,700.00	5,633.05	5,605.05	5,605.05	27.09	193.95	-107.87	-624.24	8,964.20	9,211.93	8,991.00	220.93	41.697		
5,800.00	5,731.76	5,703.76	5,703.76	27.57	197.40	-107.96	-624.24	8,964.20	9,216.91	8,992.06	224.85	40.992		
5,900.00	5,830.47	5,802.47	5,802.47	28.05	200.85	-108.05	-624.24	8,964.20	9,221.91	8,993.14	228.77	40.311		
6,000.00	5,929.18	5,901.18	5,901.18	28.53	204.29	-108.15	-624.24	8,964.20	9,226.94	8,994.25	232.69	39.653		
6,100.00	6,027.90	6,000.10	5,999.90	29.01	207.74	-108.24	-624.24	8,964.20	9,232.00	8,995.38	236.62	39.016		
6,200.00	6,126.61	6,101.39	6,098.61	29.49	211.28	-108.33	-624.24	8,964.20	9,237.08	8,996.45	240.63	38.387		
6,300.00	6,225.32	6,202.68	6,197.32	29.97	214.82	-108.43	-624.24	8,964.20	9,242.19	8,997.54	244.65	37.778		
6,311.21	6,236.38	6,208.38	6,208.38	30.03	215.01	-108.44	-624.24	8,964.20	9,242.76	8,997.87	244.90	37.741		
6,350.00	6,274.70	6,246.70	6,246.70	30.21	216.35	-86.47	-624.24	8,964.20	9,243.57	8,997.15	246.42	37.512		
6,400.00	6,324.03	6,303.97	6,296.03	30.43	218.35	-60.89	-624.24	8,964.20	9,241.13	8,992.49	248.64	37.166		
6,450.00	6,373.00	6,345.00	6,345.00	30.65	219.78	-44.07	-624.24	8,964.20	9,234.80	8,984.51	250.29	36.897		
6,500.00	6,421.31	6,406.69	6,393.31	30.84	221.94	-33.94	-624.24	8,964.20	9,224.60	8,971.95	252.64	36.513		
6,550.00	6,468.66	6,440.66	6,440.66	31.03	223.12	-27.61	-624.24	8,964.20	9,210.59	8,956.58	254.01	36.260		
6,600.00	6,514.76	6,486.76	6,486.76	31.20	224.73	-23.43	-624.24	8,964.20	9,192.88	8,937.09	255.79	35.939		
6,650.00	6,559.32	6,531.32	6,531.32	31.37	226.29	-20.54	-624.24	8,964.20	9,171.56	8,914.05	257.51	35.616		
6,700.00	6,602.08	6,574.08	6,574.08	31.52	227.78	-18.49	-624.24	8,964.20	9,146.77	8,887.62	259.15	35.295		
6,750.00	6,642.77	6,614.77	6,614.77	31.65	229.20	-17.01	-624.24	8,964.20	9,118.66	8,857.95	260.71	34.977		
6,800.00	6,681.13	6,653.13	6,653.13	31.78	230.54	-15.93	-624.24	8,964.20	9,087.40	8,825.23	262.17	34.662		
6,850.00	6,716.93	6,688.93	6,688.93	31.89	231.79	-15.19	-624.24	8,964.20	9,053.19	8,789.66	263.53	34.354		
6,900.00	6,749.95	6,721.95	6,721.95	31.99	232.94	-14.71	-624.24	8,964.20	9,016.23	8,751.45	264.78	34.052		
6,950.00	6,779.98	6,751.98	6,751.98	32.08	233.99	-14.48	-624.24	8,964.20	8,976.75	8,710.83	265.91	33.758		
7,000.00	6,806.85	6,778.85	6,778.85	32.16	234.93	-14.50	-624.24	8,964.20	8,934.99	8,668.07	266.92	33.474		
7,050.00	6,830.38	6,802.38	6,802.38	32.24	235.75	-14.81	-624.24	8,964.20	8,891.22	8,623.41	267.80	33.200		
7,100.00	6,850.43	6,822.43	6,822.43	32.35	236.45	-15.51	-624.24	8,964.20	8,845.69	8,577.14	268.55	32.938		
7,150.00	6,866.88	6,838.88	6,838.88	32.59	237.02	-16.82	-624.24	8,964.20	8,798.70	8,529.53	269.17	32.689		
7,200.00	6,879.62	6,851.62	6,851.62	32.99	237.47	-19.24	-624.24	8,964.20	8,750.53	8,480.89	269.64	32.452		
7,250.00	6,888.58	6,860.58	6,860.58	33.48	237.78	-24.32	-624.24	8,964.20	8,701.47	8,431.49	269.98	32.231		
7,300.00	6,893.70	6,865.70	6,865.70	34.02	237.96	-39.11	-624.24	8,964.20	8,651.83	8,381.66	270.17	32.024		
7,339.40	6,895.01	6,867.01	6,867.01	34.48	238.00	-86.47	-624.24	8,964.20	8,612.49	8,342.27	270.22	31.872		
7,400.00	6,895.16	6,867.16	6,867.16	35.24	238.01	-86.50	-624.24	8,964.20	8,551.95	8,281.71	270.24	31.646		
7,500.00	6,895.43	6,867.43	6,867.43	36.64	238.02	-86.54	-624.24	8,964.20	8,452.05	8,181.78	270.27	31.273		
7,600.00	6,895.69	6,867.69	6,867.69	38.20	238.03	-86.58	-624.24	8,964.20	8,352.14	8,081.84	270.30	30.899		
7,700.00	6,895.95	6,867.95	6,867.95	39.91	238.04	-86.62	-624.24	8,964.20	8,252.24	7,981.90	270.33	30.526		
7,800.00	6,896.21	6,868.21	6,868.21	41.75	238.05	-86.66	-624.24	8,964.20	8,152.34	7,881.97	270.37	30.153		
7,900.00	6,896.47	6,868.47	6,868.47	43.69	238.06	-86.70	-624.24	8,964.20	8,052.44	7,782.04	270.41	29.779		
8,000.00	6,896.74	6,868.74	6,868.74	45.73	238.07	-86.74	-624.24	8,964.20	7,952.55	7,682.10	270.44	29.405		
8,100.00	6,897.00	6,869.00	6,869.00	47.85	238.07	-86.78	-624.24	8,964.20	7,852.65	7,582.17	270.49	29.032		
8,200.00	6,897.26	6,869.26	6,869.26	50.04	238.08	-86.82	-624.24	8,964.20	7,752.76	7,482.23	270.53	28.658		
8,300.00	6,897.52	6,869.52	6,869.52	52.30	238.09	-86.87	-624.24	8,964.20	7,652.88	7,382.30	270.58	28.284		
8,400.00	6,897.78	6,869.78	6,869.78	54.61	238.10	-86.91	-624.24	8,964.20	7,552.99	7,282.37	270.62	27.910		
8,500.00	6,898.05	6,870.05	6,870.05	56.98	238.11	-86.95	-624.24	8,964.20	7,453.11	7,182.44	270.68	27.535		
8,600.00	6,898.31	6,870.31	6,870.31	59.38	238.12	-86.99	-624.24	8,964.20	7,353.24	7,082.51	270.73	27.161		
8,700.00	6,898.57	6,870.57	6,870.57	61.82	238.13	-87.03	-624.24	8,964.20	7,253.36	6,982.58	270.78	26.786		
8,800.00	6,898.83	6,870.83	6,870.83	64.30	238.14	-87.07	-624.24	8,964.20	7,153.49	6,882.65	270.84	26.412		
8,900.00	6,899.10	6,871.10	6,871.10	66.81	238.15	-87.11	-624.24	8,964.20	7,053.62	6,782.72	270.91	26.037		
9,000.00	6,899.36	6,871.36	6,871.36	69.34	238.16	-87.15	-624.24	8,964.20	6,953.76	6,682.79	270.97	25.662		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,899.62	6,871.62	6,871.62	71.90	238.17	-87.19	-624.24	8,964.20	6,853.90	6,582.86	271.04	25.288		
9,200.00	6,899.88	6,871.88	6,871.88	74.48	238.17	-87.23	-624.24	8,964.20	6,754.05	6,482.94	271.11	24.913		
9,300.00	6,900.14	6,872.14	6,872.14	77.08	238.18	-87.27	-624.24	8,964.20	6,654.20	6,383.01	271.18	24.538		
9,400.00	6,900.41	6,872.41	6,872.41	79.70	238.19	-87.32	-624.24	8,964.20	6,554.35	6,283.09	271.26	24.162		
9,500.00	6,900.67	6,872.67	6,872.67	82.33	238.20	-87.36	-624.24	8,964.20	6,454.51	6,183.16	271.34	23.787		
9,600.00	6,900.93	6,872.93	6,872.93	84.97	238.21	-87.40	-624.24	8,964.20	6,354.67	6,083.24	271.43	23.412		
9,700.00	6,901.19	6,873.19	6,873.19	87.63	238.22	-87.44	-624.24	8,964.20	6,254.84	5,983.32	271.52	23.036		
9,800.00	6,901.45	6,873.45	6,873.45	90.31	238.23	-87.48	-624.24	8,964.20	6,155.01	5,883.40	271.61	22.661		
9,900.00	6,901.72	6,873.72	6,873.72	92.99	238.24	-87.52	-624.24	8,964.20	6,055.20	5,783.48	271.71	22.285		
10,000.00	6,901.98	6,873.98	6,873.98	95.68	238.25	-87.56	-624.24	8,964.20	5,955.38	5,683.56	271.82	21.910		
10,100.00	6,902.24	6,874.24	6,874.24	98.38	238.26	-87.60	-624.24	8,964.20	5,855.57	5,583.65	271.93	21.534		
10,200.00	6,902.50	6,874.50	6,874.50	101.09	238.27	-87.64	-624.24	8,964.20	5,755.77	5,483.73	272.04	21.158		
10,300.00	6,902.76	6,874.76	6,874.76	103.81	238.28	-87.68	-624.24	8,964.20	5,655.98	5,383.82	272.16	20.782		
10,400.00	6,903.03	6,875.03	6,875.03	106.53	238.28	-87.73	-624.24	8,964.20	5,556.19	5,283.91	272.28	20.406		
10,500.00	6,903.29	6,875.29	6,875.29	109.26	238.29	-87.77	-624.24	8,964.20	5,456.41	5,184.00	272.42	20.030		
10,600.00	6,903.55	6,875.55	6,875.55	112.00	238.30	-87.81	-624.24	8,964.20	5,356.64	5,084.09	272.56	19.653		
10,700.00	6,903.81	6,875.81	6,875.81	114.75	238.31	-87.85	-624.24	8,964.20	5,256.88	4,984.18	272.70	19.277		
10,800.00	6,904.08	6,876.08	6,876.08	117.49	238.32	-87.89	-624.24	8,964.20	5,157.13	4,884.27	272.86	18.901		
10,900.00	6,904.34	6,876.34	6,876.34	120.25	238.33	-87.93	-624.24	8,964.20	5,057.39	4,784.37	273.02	18.524		
11,000.00	6,904.60	6,876.60	6,876.60	123.00	238.34	-87.97	-624.24	8,964.20	4,957.65	4,684.47	273.19	18.147		
11,100.00	6,904.86	6,876.86	6,876.86	125.77	238.35	-88.01	-624.24	8,964.20	4,857.93	4,584.56	273.37	17.771		
11,200.00	6,905.12	6,877.12	6,877.12	128.53	238.36	-88.05	-624.24	8,964.20	4,758.22	4,484.66	273.56	17.394		
11,300.00	6,905.39	6,877.39	6,877.39	131.30	238.37	-88.09	-624.24	8,964.20	4,658.53	4,384.77	273.76	17.017		
11,400.00	6,905.65	6,877.65	6,877.65	134.08	238.38	-88.14	-624.24	8,964.20	4,558.84	4,284.87	273.97	16.640		
11,500.00	6,905.91	6,877.91	6,877.91	136.85	238.39	-88.18	-624.24	8,964.20	4,459.17	4,184.97	274.20	16.263		
11,600.00	6,906.17	6,878.17	6,878.17	139.63	238.39	-88.22	-624.24	8,964.20	4,359.52	4,085.08	274.44	15.885		
11,700.00	6,906.43	6,878.43	6,878.43	142.42	238.40	-88.26	-624.24	8,964.20	4,259.88	3,985.18	274.69	15.508		
11,800.00	6,906.70	6,878.70	6,878.70	145.20	238.41	-88.30	-624.24	8,964.20	4,160.26	3,885.29	274.97	15.130		
11,900.00	6,906.96	6,878.96	6,878.96	147.99	238.42	-88.34	-624.24	8,964.20	4,060.65	3,785.40	275.26	14.752		
12,000.00	6,907.22	6,879.22	6,879.22	150.78	238.43	-88.38	-624.24	8,964.20	3,961.07	3,685.51	275.56	14.374		
12,100.00	6,907.48	6,879.48	6,879.48	153.57	238.44	-88.42	-624.24	8,964.20	3,861.51	3,585.62	275.89	13.996		
12,200.00	6,907.74	6,879.74	6,879.74	156.37	238.45	-88.46	-624.24	8,964.20	3,761.97	3,485.73	276.25	13.618		
12,300.00	6,908.01	6,880.01	6,880.01	159.17	238.46	-88.50	-624.24	8,964.20	3,662.46	3,385.83	276.63	13.240		
12,400.00	6,908.27	6,880.27	6,880.27	161.97	238.47	-88.55	-624.24	8,964.20	3,562.97	3,285.94	277.03	12.861		
12,500.00	6,908.53	6,880.53	6,880.53	164.77	238.48	-88.59	-624.24	8,964.20	3,463.52	3,186.05	277.47	12.482		
12,600.00	6,908.79	6,880.79	6,880.79	167.57	238.49	-88.63	-624.24	8,964.20	3,364.09	3,086.15	277.94	12.103		
12,700.00	6,909.06	6,881.06	6,881.06	170.38	238.50	-88.67	-624.24	8,964.20	3,264.71	2,986.25	278.46	11.724		
12,800.00	6,909.32	6,881.32	6,881.32	173.18	238.50	-88.71	-624.24	8,964.20	3,165.36	2,886.35	279.01	11.345		
12,900.00	6,909.58	6,881.58	6,881.58	175.99	238.51	-88.75	-624.24	8,964.20	3,066.05	2,786.44	279.61	10.966		
13,000.00	6,909.84	6,881.84	6,881.84	178.80	238.52	-88.79	-624.24	8,964.20	2,966.79	2,686.53	280.26	10.586		
13,100.00	6,910.10	6,882.10	6,882.10	181.61	238.53	-88.83	-624.24	8,964.20	2,867.58	2,586.60	280.97	10.206		
13,200.00	6,910.37	6,882.37	6,882.37	184.42	238.54	-88.87	-624.24	8,964.20	2,768.42	2,486.67	281.75	9.826		
13,300.00	6,910.63	6,882.63	6,882.63	187.24	238.55	-88.91	-624.24	8,964.20	2,669.33	2,386.73	282.60	9.445		
13,400.00	6,910.89	6,882.89	6,882.89	190.05	238.56	-88.96	-624.24	8,964.20	2,570.32	2,286.77	283.54	9.065		
13,500.00	6,911.15	6,883.15	6,883.15	192.87	238.57	-89.00	-624.24	8,964.20	2,471.37	2,186.80	284.57	8.684		
13,600.00	6,911.41	6,883.41	6,883.41	195.68	238.58	-89.04	-624.24	8,964.20	2,372.52	2,086.81	285.72	8.304		
13,700.00	6,911.68	6,883.68	6,883.68	198.50	238.59	-89.08	-624.24	8,964.20	2,273.77	1,986.79	286.98	7.923		
13,800.00	6,911.94	6,883.94	6,883.94	201.32	238.60	-89.12	-624.24	8,964.20	2,175.13	1,886.74	288.39	7.542		
13,900.00	6,912.20	6,884.20	6,884.20	204.14	238.60	-89.16	-624.24	8,964.20	2,076.63	1,786.66	289.96	7.162		
14,000.00	6,912.46	6,884.46	6,884.46	206.96	238.61	-89.20	-624.24	8,964.20	1,978.27	1,686.54	291.73	6.781		
14,100.00	6,912.72	6,884.72	6,884.72	209.78	238.62	-89.24	-624.24	8,964.20	1,880.09	1,586.37	293.71	6.401		
14,200.00	6,912.99	6,884.99	6,884.99	212.61	238.63	-89.28	-624.24	8,964.20	1,782.11	1,486.15	295.96	6.021		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,913.25	6,885.25	6,885.25	215.43	238.64	-89.33	-624.24	8,964.20	1,684.36	1,385.85	298.51	5.643		
14,400.00	6,913.51	6,885.51	6,885.51	218.26	238.65	-89.37	-624.24	8,964.20	1,586.90	1,285.48	301.42	5.265		
14,500.00	6,913.77	6,885.77	6,885.77	221.08	238.66	-89.41	-624.24	8,964.20	1,489.77	1,185.00	304.77	4.888		
14,600.00	6,914.04	6,886.04	6,886.04	223.91	238.67	-89.45	-624.24	8,964.20	1,393.05	1,084.42	308.63	4.514		
14,700.00	6,914.30	6,886.30	6,886.30	226.73	238.68	-89.49	-624.24	8,964.20	1,296.83	983.70	313.13	4.142		
14,800.00	6,914.56	6,886.56	6,886.56	229.56	238.69	-89.53	-624.24	8,964.20	1,201.22	882.82	318.40	3.773		
14,900.00	6,914.82	6,886.82	6,886.82	232.39	238.70	-89.57	-624.24	8,964.20	1,106.39	781.77	324.62	3.408		
15,000.00	6,915.08	6,887.08	6,887.08	235.22	238.71	-89.61	-624.24	8,964.20	1,012.56	680.51	332.05	3.049		
15,100.00	6,915.35	6,887.35	6,887.35	238.05	238.71	-89.65	-624.24	8,964.20	920.02	579.05	340.97	2.698		
15,200.00	6,915.61	6,887.61	6,887.61	240.88	238.72	-89.69	-624.24	8,964.20	829.22	477.41	351.82	2.357		
15,300.00	6,915.87	6,887.87	6,887.87	243.71	238.73	-89.74	-624.24	8,964.20	740.80	375.70	365.10	2.029		
15,400.00	6,916.13	6,888.13	6,888.13	246.54	238.74	-89.78	-624.24	8,964.20	655.71	274.25	381.46	1.719		
15,500.00	6,916.39	6,888.39	6,888.39	249.37	238.75	-89.82	-624.24	8,964.20	575.43	173.87	401.56	1.433 Level 3		
15,600.00	6,916.66	6,888.66	6,888.66	252.20	238.76	-89.86	-624.24	8,964.20	502.29	76.52	425.76	1.180 Level 2		
15,700.00	6,916.92	6,888.92	6,888.92	255.03	238.77	-89.90	-624.24	8,964.20	439.84	-13.35	453.19	0.971 Level 1		
15,800.00	6,917.18	6,889.18	6,889.18	257.87	238.78	-89.94	-624.24	8,964.20	393.23	-86.71	479.94	0.819 Level 1		
15,900.00	6,917.44	6,889.44	6,889.44	260.70	238.79	-89.98	-624.24	8,964.20	368.51	-129.42	497.93	0.740 Level 1		
15,944.15	6,917.56	6,889.56	6,889.56	261.95	238.79	-90.00	-624.24	8,964.20	365.86	-134.88	500.73	0.731 Level 1, CC, ES, SF		
16,000.00	6,917.70	6,889.70	6,889.70	263.53	238.80	-90.02	-624.24	8,964.20	370.09	-128.90	498.99	0.742 Level 1		
16,100.00	6,917.97	6,889.97	6,889.97	266.37	238.81	-90.06	-624.24	8,964.20	397.67	-85.65	483.32	0.823 Level 1		
16,200.00	6,918.23	6,909.77	6,890.23	269.20	239.50	-90.11	-624.24	8,964.20	446.44	-13.26	459.70	0.971 Level 1		
16,300.00	6,918.49	6,909.51	6,890.49	272.04	239.49	-90.15	-624.24	8,964.20	510.37	75.90	434.47	1.175 Level 2		
16,400.00	6,918.75	6,909.25	6,890.75	274.87	239.48	-90.19	-624.24	8,964.20	584.51	172.49	412.01	1.419 Level 3		
16,500.00	6,919.02	6,908.99	6,891.02	277.71	239.47	-90.23	-624.24	8,964.20	665.44	272.23	393.22	1.692		
16,600.00	6,919.28	6,908.72	6,891.28	280.55	239.46	-90.27	-624.24	8,964.20	750.99	373.18	377.81	1.988		
16,700.00	6,919.54	6,908.46	6,891.54	283.38	239.45	-90.31	-624.24	8,964.20	839.73	474.52	365.21	2.299		
16,800.00	6,919.80	6,908.20	6,891.80	286.22	239.44	-90.35	-624.24	8,964.20	930.76	575.90	354.86	2.623		
16,900.00	6,920.06	6,907.94	6,892.06	289.06	239.43	-90.39	-624.24	8,964.20	1,023.47	677.18	346.29	2.956		
17,000.00	6,920.33	6,907.67	6,892.33	291.90	239.42	-90.43	-624.24	8,964.20	1,117.43	778.31	339.12	3.295		
17,100.00	6,920.59	6,907.41	6,892.59	294.73	239.42	-90.47	-624.24	8,964.20	1,212.36	879.28	333.08	3.640		
17,200.00	6,920.85	6,907.15	6,892.85	297.57	239.41	-90.52	-624.24	8,964.20	1,308.05	980.11	327.94	3.989		
17,300.00	6,921.11	6,906.89	6,893.11	300.41	239.40	-90.56	-624.24	8,964.20	1,404.34	1,080.80	323.53	4.341		
17,400.00	6,921.37	6,906.63	6,893.37	303.25	239.39	-90.60	-624.24	8,964.20	1,501.11	1,181.38	319.73	4.695		
17,500.00	6,921.64	6,906.36	6,893.64	306.09	239.38	-90.64	-624.24	8,964.20	1,598.28	1,281.86	316.42	5.051		
17,600.00	6,921.90	6,906.10	6,893.90	308.93	239.37	-90.68	-624.24	8,964.20	1,695.78	1,382.25	313.53	5.409		
17,638.91	6,922.00	6,906.00	6,894.00	310.03	239.37	-90.70	-624.24	8,964.20	1,733.79	1,421.29	312.50	5.548		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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		
7,500.00	6,895.43	6,851.43	6,851.43	36.64	237.46	-89.19	815.26	10,280.35	9,927.39	9,657.48	269.91	36.781		
7,600.00	6,895.69	6,851.69	6,851.69	38.20	237.47	-89.20	815.26	10,280.35	9,829.07	9,559.04	270.03	36.400		
7,700.00	6,895.95	6,851.95	6,851.95	39.91	237.48	-89.20	815.26	10,280.35	9,730.79	9,460.62	270.16	36.018		
7,800.00	6,896.21	6,852.21	6,852.21	41.75	237.49	-89.21	815.26	10,280.35	9,632.54	9,362.23	270.31	35.635		
7,900.00	6,896.47	6,852.47	6,852.47	43.69	237.50	-89.22	815.26	10,280.35	9,534.33	9,263.85	270.47	35.250		
8,000.00	6,896.74	6,852.74	6,852.74	45.73	237.51	-89.23	815.26	10,280.35	9,436.15	9,165.50	270.65	34.865		
8,100.00	6,897.00	6,853.00	6,853.00	47.85	237.52	-89.24	815.26	10,280.35	9,338.01	9,067.18	270.84	34.478		
8,200.00	6,897.26	6,853.26	6,853.26	50.04	237.52	-89.25	815.26	10,280.35	9,239.92	8,968.87	271.04	34.090		
8,300.00	6,897.52	6,853.52	6,853.52	52.30	237.53	-89.25	815.26	10,280.35	9,141.86	8,870.60	271.27	33.701		
8,400.00	6,897.78	6,853.78	6,853.78	54.61	237.54	-89.26	815.26	10,280.35	9,043.85	8,772.35	271.50	33.310		
8,500.00	6,898.05	6,854.05	6,854.05	56.98	237.55	-89.27	815.26	10,280.35	8,945.88	8,674.12	271.76	32.919		
8,600.00	6,898.31	6,854.31	6,854.31	59.38	237.56	-89.28	815.26	10,280.35	8,847.96	8,575.93	272.03	32.526		
8,700.00	6,898.57	6,854.57	6,854.57	61.82	237.57	-89.29	815.26	10,280.35	8,750.08	8,477.76	272.32	32.131		
8,800.00	6,898.83	6,854.83	6,854.83	64.30	237.58	-89.30	815.26	10,280.35	8,652.25	8,379.62	272.63	31.736		
8,900.00	6,899.10	6,855.10	6,855.10	66.81	237.59	-89.30	815.26	10,280.35	8,554.48	8,281.52	272.96	31.339		
9,000.00	6,899.36	6,855.36	6,855.36	69.34	237.60	-89.31	815.26	10,280.35	8,456.75	8,183.44	273.31	30.942		
9,100.00	6,899.62	6,855.62	6,855.62	71.90	237.61	-89.32	815.26	10,280.35	8,359.08	8,085.40	273.68	30.543		
9,200.00	6,899.88	6,855.88	6,855.88	74.48	237.62	-89.33	815.26	10,280.35	8,261.46	7,987.39	274.08	30.143		
9,300.00	6,900.14	6,856.14	6,856.14	77.08	237.63	-89.34	815.26	10,280.35	8,163.91	7,889.41	274.49	29.742		
9,400.00	6,900.41	6,856.41	6,856.41	79.70	237.63	-89.35	815.26	10,280.35	8,066.41	7,791.47	274.93	29.340		
9,500.00	6,900.67	6,856.67	6,856.67	82.33	237.64	-89.35	815.26	10,280.35	7,968.97	7,693.57	275.40	28.936		
9,600.00	6,900.93	6,856.93	6,856.93	84.97	237.65	-89.36	815.26	10,280.35	7,871.60	7,595.71	275.89	28.532		
9,700.00	6,901.19	6,857.19	6,857.19	87.63	237.66	-89.37	815.26	10,280.35	7,774.29	7,497.89	276.40	28.127		
9,800.00	6,901.45	6,857.45	6,857.45	90.31	237.67	-89.38	815.26	10,280.35	7,677.06	7,400.11	276.94	27.721		
9,900.00	6,901.72	6,857.72	6,857.72	92.99	237.68	-89.39	815.26	10,280.35	7,579.89	7,302.38	277.51	27.314		
10,000.00	6,901.98	6,857.98	6,857.98	95.68	237.69	-89.40	815.26	10,280.35	7,482.80	7,204.69	278.11	26.906		
10,100.00	6,902.24	6,858.24	6,858.24	98.38	237.70	-89.40	815.26	10,280.35	7,385.79	7,107.05	278.74	26.497		
10,200.00	6,902.50	6,858.50	6,858.50	101.09	237.71	-89.41	815.26	10,280.35	7,288.86	7,009.46	279.40	26.088		
10,300.00	6,902.76	6,858.76	6,858.76	103.81	237.72	-89.42	815.26	10,280.35	7,192.01	6,911.92	280.09	25.677		
10,400.00	6,903.03	6,859.03	6,859.03	106.53	237.73	-89.43	815.26	10,280.35	7,095.25	6,814.44	280.82	25.267		
10,500.00	6,903.29	6,859.29	6,859.29	109.26	237.74	-89.44	815.26	10,280.35	6,998.58	6,717.01	281.57	24.855		
10,600.00	6,903.55	6,859.55	6,859.55	112.00	237.74	-89.45	815.26	10,280.35	6,902.01	6,619.64	282.37	24.443		
10,700.00	6,903.81	6,859.81	6,859.81	114.75	237.75	-89.45	815.26	10,280.35	6,805.54	6,522.34	283.20	24.031		
10,800.00	6,904.08	6,860.08	6,860.08	117.49	237.76	-89.46	815.26	10,280.35	6,709.16	6,425.10	284.06	23.618		
10,900.00	6,904.34	6,860.34	6,860.34	120.25	237.77	-89.47	815.26	10,280.35	6,612.90	6,327.93	284.97	23.206		
11,000.00	6,904.60	6,860.60	6,860.60	123.00	237.78	-89.48	815.26	10,280.35	6,516.75	6,230.83	285.92	22.792		
11,100.00	6,904.86	6,860.86	6,860.86	125.77	237.79	-89.49	815.26	10,280.35	6,420.71	6,133.81	286.91	22.379		
11,200.00	6,905.12	6,861.12	6,861.12	128.53	237.80	-89.50	815.26	10,280.35	6,324.80	6,036.86	287.94	21.966		
11,300.00	6,905.39	6,861.39	6,861.39	131.30	237.81	-89.50	815.26	10,280.35	6,229.02	5,940.00	289.02	21.552		
11,400.00	6,905.65	6,861.65	6,861.65	134.08	237.82	-89.51	815.26	10,280.35	6,133.37	5,843.23	290.14	21.139		
11,500.00	6,905.91	6,861.91	6,861.91	136.85	237.83	-89.52	815.26	10,280.35	6,037.87	5,746.55	291.32	20.726		
11,600.00	6,906.17	6,862.17	6,862.17	139.63	237.84	-89.53	815.26	10,280.35	5,942.51	5,649.97	292.54	20.313		
11,700.00	6,906.43	6,862.43	6,862.43	142.42	237.85	-89.54	815.26	10,280.35	5,847.31	5,553.49	293.82	19.901		
11,800.00	6,906.70	6,862.70	6,862.70	145.20	237.85	-89.55	815.26	10,280.35	5,752.26	5,457.11	295.15	19.489		
11,900.00	6,906.96	6,862.96	6,862.96	147.99	237.86	-89.55	815.26	10,280.35	5,657.39	5,360.85	296.54	19.078		
12,000.00	6,907.22	6,863.22	6,863.22	150.78	237.87	-89.56	815.26	10,280.35	5,562.70	5,264.71	297.99	18.667		
12,100.00	6,907.48	6,863.48	6,863.48	153.57	237.88	-89.57	815.26	10,280.35	5,468.20	5,168.70	299.50	18.258		
12,200.00	6,907.74	6,863.74	6,863.74	156.37	237.89	-89.58	815.26	10,280.35	5,373.90	5,072.82	301.08	17.849		
12,300.00	6,908.01	6,864.01	6,864.01	159.17	237.90	-89.59	815.26	10,280.35	5,279.81	4,977.09	302.72	17.441		
12,400.00	6,908.27	6,864.27	6,864.27	161.97	237.91	-89.60	815.26	10,280.35	5,185.94	4,881.50	304.43	17.035		
12,500.00	6,908.53	6,864.53	6,864.53	164.77	237.92	-89.60	815.26	10,280.35	5,092.30	4,786.08	306.22	16.630		
12,600.00	6,908.79	6,864.79	6,864.79	167.57	237.93	-89.61	815.26	10,280.35	4,998.91	4,690.82	308.08	16.226		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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		
12,700.00	6,909.06	6,865.06	6,865.06	170.38	237.94	-89.62	815.26	10,280.35	4,905.78	4,595.75	310.03	15.824		
12,800.00	6,909.32	6,865.32	6,865.32	173.18	237.95	-89.63	815.26	10,280.35	4,812.92	4,500.86	312.06	15.423		
12,900.00	6,909.58	6,865.58	6,865.58	175.99	237.95	-89.64	815.26	10,280.35	4,720.36	4,406.18	314.17	15.025		
13,000.00	6,909.84	6,865.84	6,865.84	178.80	237.96	-89.65	815.26	10,280.35	4,628.10	4,311.72	316.38	14.628		
13,100.00	6,910.10	6,866.10	6,866.10	181.61	237.97	-89.65	815.26	10,280.35	4,536.18	4,217.48	318.69	14.234		
13,200.00	6,910.37	6,866.37	6,866.37	184.42	237.98	-89.66	815.26	10,280.35	4,444.60	4,123.50	321.10	13.842		
13,300.00	6,910.63	6,866.63	6,866.63	187.24	237.99	-89.67	815.26	10,280.35	4,353.39	4,029.77	323.62	13.452		
13,400.00	6,910.89	6,866.89	6,866.89	190.05	238.00	-89.68	815.26	10,280.35	4,262.58	3,936.33	326.25	13.066		
13,500.00	6,911.15	6,867.15	6,867.15	192.87	238.01	-89.69	815.26	10,280.35	4,172.19	3,843.19	328.99	12.682		
13,600.00	6,911.41	6,867.41	6,867.41	195.68	238.02	-89.70	815.26	10,280.35	4,082.24	3,750.38	331.87	12.301		
13,700.00	6,911.68	6,867.68	6,867.68	198.50	238.03	-89.70	815.26	10,280.35	3,992.78	3,657.91	334.87	11.923		
13,800.00	6,911.94	6,867.94	6,867.94	201.32	238.04	-89.71	815.26	10,280.35	3,903.82	3,565.82	338.01	11.550		
13,900.00	6,912.20	6,868.20	6,868.20	204.14	238.05	-89.72	815.26	10,280.35	3,815.42	3,474.12	341.29	11.179		
14,000.00	6,912.46	6,868.46	6,868.46	206.96	238.06	-89.73	815.26	10,280.35	3,727.59	3,382.87	344.73	10.813		
14,100.00	6,912.72	6,868.72	6,868.72	209.78	238.06	-89.74	815.26	10,280.35	3,640.40	3,292.08	348.32	10.451		
14,200.00	6,912.99	6,868.99	6,868.99	212.61	238.07	-89.75	815.26	10,280.35	3,553.88	3,201.80	352.09	10.094		
14,300.00	6,913.25	6,869.25	6,869.25	215.43	238.08	-89.75	815.26	10,280.35	3,468.09	3,112.06	356.03	9.741		
14,400.00	6,913.51	6,869.51	6,869.51	218.26	238.09	-89.76	815.26	10,280.35	3,383.08	3,022.93	360.15	9.394		
14,500.00	6,913.77	6,869.77	6,869.77	221.08	238.10	-89.77	815.26	10,280.35	3,298.90	2,934.44	364.47	9.051		
14,600.00	6,914.04	6,870.04	6,870.04	223.91	238.11	-89.78	815.26	10,280.35	3,215.64	2,846.65	368.99	8.715		
14,700.00	6,914.30	6,870.30	6,870.30	226.73	238.12	-89.79	815.26	10,280.35	3,133.35	2,759.64	373.71	8.384		
14,800.00	6,914.56	6,870.56	6,870.56	229.56	238.13	-89.79	815.26	10,280.35	3,052.12	2,673.46	378.66	8.060		
14,900.00	6,914.82	6,870.82	6,870.82	232.39	238.14	-89.80	815.26	10,280.35	2,972.04	2,588.20	383.84	7.743		
15,000.00	6,915.08	6,871.08	6,871.08	235.22	238.15	-89.81	815.26	10,280.35	2,893.20	2,503.94	389.25	7.433		
15,100.00	6,915.35	6,871.35	6,871.35	238.05	238.16	-89.82	815.26	10,280.35	2,815.70	2,420.79	394.90	7.130		
15,200.00	6,915.61	6,871.61	6,871.61	240.88	238.17	-89.83	815.26	10,280.35	2,739.65	2,338.85	400.80	6.835		
15,300.00	6,915.87	6,871.87	6,871.87	243.71	238.17	-89.84	815.26	10,280.35	2,665.20	2,258.24	406.95	6.549		
15,400.00	6,916.13	6,872.13	6,872.13	246.54	238.18	-89.84	815.26	10,280.35	2,592.46	2,179.10	413.35	6.272		
15,500.00	6,916.39	6,872.39	6,872.39	249.37	238.19	-89.85	815.26	10,280.35	2,521.58	2,101.58	420.00	6.004		
15,600.00	6,916.66	6,872.66	6,872.66	252.20	238.20	-89.86	815.26	10,280.35	2,452.74	2,025.85	426.89	5.746		
15,700.00	6,916.92	6,872.92	6,872.92	255.03	238.21	-89.87	815.26	10,280.35	2,386.11	1,952.10	434.01	5.498		
15,800.00	6,917.18	6,873.18	6,873.18	257.87	238.22	-89.88	815.26	10,280.35	2,321.87	1,880.52	441.35	5.261		
15,900.00	6,917.44	6,873.44	6,873.44	260.70	238.23	-89.89	815.26	10,280.35	2,260.23	1,811.36	448.87	5.035		
16,000.00	6,917.70	6,873.70	6,873.70	263.53	238.24	-89.89	815.26	10,280.35	2,201.41	1,744.86	456.55	4.822		
16,100.00	6,917.97	6,873.97	6,873.97	266.37	238.25	-89.90	815.26	10,280.35	2,145.64	1,681.30	464.34	4.621		
16,200.00	6,918.23	6,874.23	6,874.23	269.20	238.26	-89.91	815.26	10,280.35	2,093.16	1,620.96	472.19	4.433		
16,300.00	6,918.49	6,874.49	6,874.49	272.04	238.27	-89.92	815.26	10,280.35	2,044.23	1,564.18	480.05	4.258		
16,400.00	6,918.75	6,874.75	6,874.75	274.87	238.28	-89.93	815.26	10,280.35	1,999.11	1,511.28	487.82	4.098		
16,500.00	6,919.02	6,875.02	6,875.02	277.71	238.28	-89.94	815.26	10,280.35	1,958.06	1,462.62	495.44	3.952		
16,600.00	6,919.28	6,875.28	6,875.28	280.55	238.29	-89.94	815.26	10,280.35	1,921.34	1,418.55	502.79	3.821		
16,700.00	6,919.54	6,875.54	6,875.54	283.38	238.30	-89.95	815.26	10,280.35	1,889.21	1,379.42	509.79	3.706		
16,800.00	6,919.80	6,875.80	6,875.80	286.22	238.31	-89.96	815.26	10,280.35	1,861.90	1,345.57	516.33	3.606		
16,900.00	6,920.06	6,876.06	6,876.06	289.06	238.32	-89.97	815.26	10,280.35	1,839.63	1,317.34	522.29	3.522		
17,000.00	6,920.33	6,876.33	6,876.33	291.90	238.33	-89.98	815.26	10,280.35	1,822.58	1,294.99	527.58	3.455		
17,100.00	6,920.59	6,876.59	6,876.59	294.73	238.34	-89.99	815.26	10,280.35	1,810.90	1,278.78	532.12	3.403		
17,200.00	6,920.85	6,876.85	6,876.85	297.57	238.35	-89.99	815.26	10,280.35	1,804.69	1,268.87	535.82	3.368		
17,262.21	6,921.01	6,877.01	6,877.01	299.34	238.35	-90.00	815.26	10,280.35	1,803.62	1,265.93	537.68	3.354 CC		
17,300.00	6,921.11	6,877.11	6,877.11	300.41	238.36	-90.00	815.26	10,280.35	1,804.01	1,265.37	538.64	3.349 ES		
17,400.00	6,921.37	6,877.37	6,877.37	303.25	238.37	-90.01	815.26	10,280.35	1,808.87	1,268.32	540.55	3.346 SF		
17,500.00	6,921.64	6,877.64	6,877.64	306.09	238.38	-90.02	815.26	10,280.35	1,819.22	1,277.68	541.55	3.359		
17,600.00	6,921.90	6,877.90	6,877.90	308.93	238.38	-90.03	815.26	10,280.35	1,834.98	1,293.33	541.65	3.388		
17,638.91	6,922.00	6,878.00	6,878.00	310.03	238.39	-90.03	815.26	10,280.35	1,842.53	1,301.08	541.46	3.403		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.80	-537.50	5,295.10	5,322.36					
100.00	100.00	96.50	96.50	3.28	3.29	95.80	-537.71	5,294.90	5,322.17	5,315.59	6.57	809.873		
200.00	200.00	231.82	231.81	3.34	3.34	95.81	-538.35	5,293.82	5,321.41	5,314.73	6.68	796.522		
300.00	299.98	315.05	315.04	3.44	3.43	-101.16	-538.75	5,293.07	5,320.90	5,314.02	6.87	774.286		
304.30	304.28	318.80	318.79	3.45	3.44	-101.17	-538.77	5,293.05	5,320.90	5,314.01	6.88	773.119		
400.00	399.84	446.27	446.25	3.59	3.64	-101.23	-539.36	5,291.89	5,321.11	5,313.87	7.23	735.655		
500.00	499.45	560.71	560.68	3.79	3.89	-101.32	-539.56	5,290.19	5,321.35	5,313.68	7.68	693.276		
600.00	598.70	627.92	627.88	4.04	4.06	-101.39	-539.86	5,289.36	5,322.54	5,314.46	8.08	658.420		
660.50	658.52	678.41	678.37	4.20	4.19	-101.44	-540.23	5,288.88	5,323.81	5,315.43	8.38	634.931		
700.00	697.51	712.77	712.73	4.31	4.28	-101.49	-540.48	5,288.59	5,324.78	5,316.18	8.60	619.400		
800.00	796.22	792.28	792.23	4.63	4.52	-101.62	-540.94	5,288.10	5,327.47	5,318.32	9.15	582.501		
900.00	894.93	883.46	883.41	4.98	4.79	-101.78	-540.55	5,287.93	5,330.52	5,320.76	9.77	545.789		
1,000.00	993.64	965.02	964.94	5.34	5.05	-101.94	-538.31	5,288.01	5,333.72	5,323.34	10.39	513.584		
1,100.00	1,092.35	1,062.13	1,061.89	5.73	5.36	-102.16	-532.93	5,288.77	5,337.43	5,326.35	11.08	481.675		
1,200.00	1,191.06	1,518.41	1,516.02	6.13	7.05	-103.35	-492.01	5,278.83	5,339.27	5,326.10	13.17	405.518		
1,300.00	1,289.78	1,632.48	1,629.68	6.54	7.51	-103.60	-485.44	5,271.86	5,336.48	5,322.45	14.03	380.435		
1,400.00	1,388.49	1,697.65	1,694.60	6.95	7.78	-103.75	-481.36	5,267.74	5,333.59	5,318.88	14.71	362.634		
1,500.00	1,487.20	1,753.00	1,749.81	7.38	8.00	-103.87	-478.84	5,264.82	5,331.74	5,316.38	15.36	347.147		
1,600.00	1,585.91	1,789.99	1,786.74	7.81	8.15	-103.94	-477.33	5,263.22	5,330.88	5,314.94	15.94	334.382		
1,635.21	1,620.66	1,807.10	1,803.81	7.97	8.22	-103.98	-476.51	5,262.58	5,330.82	5,314.65	16.17	329.759		
1,700.00	1,684.62	1,845.00	1,841.63	8.25	8.38	-104.07	-474.42	5,261.36	5,331.03	5,314.43	16.60	321.058		
1,800.00	1,783.33	1,953.51	1,949.94	8.70	8.83	-104.31	-468.72	5,258.02	5,331.63	5,314.14	17.49	304.785		
1,900.00	1,882.04	2,019.74	2,016.09	9.15	9.10	-104.44	-465.97	5,256.08	5,332.44	5,314.23	18.21	292.804		
2,000.00	1,980.75	2,000.00	2,122.93	9.60	9.02	-104.66	-462.28	5,252.93	5,333.38	5,314.80	18.58	287.038		
2,100.00	2,079.46	2,181.29	2,177.49	10.05	9.77	-104.76	-460.99	5,251.48	5,334.74	5,314.96	19.78	269.718		
2,200.00	2,178.17	2,241.38	2,237.56	10.51	10.02	-104.87	-460.27	5,250.41	5,337.00	5,316.52	20.48	260.598		
2,300.00	2,276.88	2,324.70	2,320.87	10.97	10.36	-105.02	-458.98	5,249.36	5,339.84	5,318.56	21.28	250.943		
2,400.00	2,375.59	2,483.44	2,479.56	11.43	11.03	-105.32	-456.10	5,246.66	5,342.33	5,319.93	22.40	238.497		
2,500.00	2,474.31	2,588.68	2,584.75	11.89	11.47	-105.51	-454.18	5,244.12	5,344.15	5,320.85	23.30	229.350		
2,600.00	2,573.02	2,635.79	2,631.85	12.36	11.66	-105.59	-454.03	5,243.21	5,346.49	5,322.54	23.95	223.211		
2,700.00	2,671.73	2,674.00	2,670.05	12.82	11.81	-105.65	-454.44	5,242.74	5,349.79	5,325.22	24.57	217.762		
2,800.00	2,770.44	2,713.93	2,709.98	13.29	11.97	-105.71	-455.03	5,242.70	5,354.23	5,329.04	25.18	212.634		
2,900.00	2,869.15	2,766.00	2,762.04	13.76	12.17	-105.79	-455.51	5,243.59	5,360.07	5,334.23	25.84	207.419		
3,000.00	2,967.86	2,815.43	2,811.45	14.23	12.36	-105.87	-455.80	5,244.87	5,366.82	5,340.34	26.49	202.605		
3,100.00	3,066.57	2,932.50	2,928.49	14.70	12.82	-106.05	-456.47	5,247.51	5,373.55	5,346.14	27.42	195.987		
3,200.00	3,165.28	3,083.97	3,079.94	15.17	13.41	-106.29	-457.65	5,250.02	5,379.75	5,351.25	28.49	188.796		
3,300.00	3,263.99	3,196.74	3,192.70	15.64	13.86	-106.46	-458.62	5,251.10	5,385.28	5,355.86	29.42	183.076		
3,400.00	3,362.70	3,306.98	3,302.93	16.11	14.30	-106.63	-459.41	5,251.99	5,390.71	5,360.38	30.33	177.738		
3,500.00	3,461.41	3,383.16	3,379.11	16.59	14.61	-106.76	-459.24	5,252.66	5,396.26	5,365.15	31.11	173.485		
3,600.00	3,560.12	3,464.79	3,460.73	17.06	14.95	-106.90	-458.22	5,253.69	5,402.23	5,370.32	31.91	169.302		
3,700.00	3,658.84	3,621.25	3,617.13	17.53	15.60	-107.20	-454.53	5,254.93	5,407.75	5,374.70	33.05	163.630		
3,800.00	3,757.55	3,793.97	3,789.83	18.01	16.33	-107.50	-452.60	5,254.49	5,412.40	5,378.14	34.26	157.992		
3,900.00	3,856.26	3,844.00	3,839.86	18.48	16.54	-107.58	-452.57	5,253.93	5,416.43	5,381.50	34.93	155.051		
4,000.00	3,954.97	3,905.26	3,901.11	18.96	16.79	-107.67	-452.98	5,253.74	5,421.23	5,385.57	35.65	152.062		
4,100.00	4,053.68	3,961.32	3,957.15	19.44	17.02	-107.75	-454.12	5,254.41	5,427.24	5,390.90	36.34	149.334		
4,200.00	4,152.39	4,050.96	4,046.76	19.91	17.38	-107.87	-456.10	5,255.68	5,433.58	5,396.40	37.18	146.155		
4,300.00	4,251.10	4,121.81	4,117.59	20.39	17.67	-107.97	-457.54	5,256.97	5,440.35	5,402.43	37.93	143.434		
4,400.00	4,349.81	4,342.20	4,337.93	20.87	18.58	-108.30	-459.77	5,259.89	5,447.17	5,407.83	39.34	138.452		
4,500.00	4,448.52	4,466.48	4,462.20	21.34	19.10	-108.50	-460.20	5,259.42	5,451.90	5,411.56	40.34	135.142		
4,600.00	4,547.23	4,569.66	4,565.39	21.82	19.54	-108.66	-460.31	5,258.70	5,456.36	5,415.10	41.25	132.267		
4,700.00	4,645.94	4,700.49	4,696.21	22.30	20.09	-108.87	-459.87	5,257.32	5,460.51	5,418.22	42.29	129.132		
4,800.00	4,744.65	4,780.32	4,776.03	22.78	20.43	-109.00	-459.61	5,256.25	5,464.46	5,421.36	43.10	126.793		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,843.37	4,849.23	4,844.94	23.26	20.72	-109.11	-459.68	5,255.81	5,469.07	5,425.21	43.86	124.695		
5,000.00	4,942.08	4,945.31	4,941.02	23.74	21.13	-109.26	-459.78	5,255.43	5,473.99	5,429.25	44.74	122.349		
5,100.00	5,040.79	5,048.53	5,044.23	24.21	21.57	-109.42	-460.22	5,254.97	5,478.88	5,433.23	45.65	120.012		
5,200.00	5,139.50	5,181.12	5,176.82	24.69	22.13	-109.62	-461.09	5,254.11	5,483.64	5,436.95	46.69	117.440		
5,300.00	5,238.21	5,279.92	5,275.61	25.17	22.54	-109.77	-462.26	5,253.08	5,487.99	5,440.40	47.59	115.328		
5,400.00	5,336.92	5,377.24	5,372.91	25.65	22.96	-109.91	-463.69	5,252.04	5,492.33	5,443.86	48.47	113.309		
5,500.00	5,435.63	5,452.36	5,448.02	26.13	23.27	-110.03	-463.47	5,251.41	5,497.02	5,447.75	49.26	111.589		
5,600.00	5,534.34	5,622.04	5,617.67	26.61	24.00	-110.28	-464.78	5,249.03	5,501.03	5,450.56	50.47	109.001		
5,700.00	5,633.05	5,668.26	5,663.87	27.09	24.19	-110.34	-466.02	5,248.41	5,505.15	5,454.02	51.13	107.669		
5,800.00	5,731.76	5,717.00	5,712.60	27.57	24.39	-110.41	-466.97	5,248.27	5,510.32	5,458.52	51.80	106.378		
5,900.00	5,830.47	5,834.20	5,829.78	28.05	24.89	-110.57	-469.07	5,248.23	5,515.85	5,463.07	52.77	104.524		
6,000.00	5,929.18	5,917.60	5,913.16	28.53	25.24	-110.68	-470.88	5,247.99	5,521.14	5,467.54	53.59	103.019		
6,100.00	6,027.90	5,966.21	5,961.76	29.01	25.44	-110.75	-471.22	5,248.17	5,527.19	5,472.94	54.26	101.873		
6,200.00	6,126.61	6,142.29	6,137.84	29.49	26.18	-111.02	-471.76	5,248.38	5,533.07	5,477.57	55.50	99.701		
6,300.00	6,225.32	6,220.58	6,216.12	29.97	26.51	-111.13	-472.88	5,248.05	5,538.38	5,482.08	56.30	98.376		
6,311.21	6,236.38	6,228.28	6,223.82	30.03	26.55	-111.14	-472.92	5,248.04	5,539.01	5,482.63	56.38	98.239		
6,350.00	6,274.70	6,253.00	6,248.54	30.21	26.65	-89.17	-472.91	5,248.02	5,540.07	5,483.40	56.67	97.768		
6,400.00	6,324.03	6,253.00	6,248.54	30.43	26.65	-63.55	-472.91	5,248.02	5,538.25	5,481.38	56.87	97.378		
6,450.00	6,373.00	6,287.27	6,282.81	30.65	26.79	-46.76	-472.80	5,248.22	5,532.67	5,475.45	57.22	96.685		
6,500.00	6,421.31	6,303.71	6,299.25	30.84	26.86	-36.65	-472.76	5,248.46	5,523.60	5,466.12	57.48	96.102		
6,550.00	6,468.66	6,342.00	6,337.53	31.03	27.02	-30.39	-472.67	5,249.40	5,511.12	5,453.30	57.82	95.319		
6,600.00	6,514.76	6,342.00	6,337.53	31.20	27.02	-26.23	-472.67	5,249.40	5,494.92	5,436.96	57.97	94.795		
6,650.00	6,559.32	6,342.00	6,337.53	31.37	27.02	-23.38	-472.67	5,249.40	5,475.47	5,417.37	58.10	94.242		
6,700.00	6,602.08	6,342.00	6,337.53	31.52	27.02	-21.37	-472.67	5,249.40	5,452.85	5,394.63	58.22	93.659		
6,750.00	6,642.77	6,342.00	6,337.53	31.65	27.02	-19.96	-472.67	5,249.40	5,427.15	5,368.83	58.33	93.048		
6,800.00	6,681.13	6,342.00	6,337.53	31.78	27.02	-18.97	-472.67	5,249.40	5,398.51	5,340.09	58.42	92.409		
6,850.00	6,716.93	6,380.93	6,376.42	31.89	27.18	-18.46	-472.33	5,251.14	5,366.35	5,307.65	58.70	91.424		
6,900.00	6,749.95	6,388.22	6,383.69	31.99	27.21	-18.16	-472.21	5,251.58	5,331.92	5,273.11	58.81	90.668		
6,950.00	6,779.98	6,394.99	6,390.44	32.08	27.24	-18.15	-472.09	5,252.02	5,294.94	5,236.04	58.90	89.892		
7,000.00	6,806.85	6,431.00	6,426.33	32.16	27.39	-18.61	-471.15	5,254.90	5,256.02	5,196.88	59.14	88.873		
7,050.00	6,830.38	6,431.00	6,426.33	32.24	27.39	-19.24	-471.15	5,254.90	5,214.40	5,155.21	59.19	88.101		
7,100.00	6,850.43	6,431.00	6,426.33	32.35	27.39	-20.31	-471.15	5,254.90	5,170.89	5,111.66	59.23	87.309		
7,150.00	6,866.88	6,431.00	6,426.33	32.59	27.39	-22.00	-471.15	5,254.90	5,125.70	5,066.45	59.26	86.500		
7,200.00	6,879.62	6,431.00	6,426.33	32.99	27.39	-24.66	-471.15	5,254.90	5,079.09	5,019.80	59.28	85.676		
7,250.00	6,888.58	6,431.00	6,426.33	33.48	27.39	-29.05	-471.15	5,254.90	5,031.28	4,971.98	59.30	84.838		
7,300.00	6,893.70	6,431.00	6,426.33	34.02	27.39	-36.98	-471.15	5,254.90	4,982.57	4,923.24	59.32	83.989		
7,339.40	6,895.01	6,431.00	6,426.33	34.48	27.39	-48.80	-471.15	5,254.90	4,943.71	4,884.37	59.34	83.313		
7,400.00	6,895.16	6,431.00	6,426.33	35.24	27.39	-48.80	-471.15	5,254.90	4,883.72	4,824.36	59.36	82.272		
7,500.00	6,895.43	6,431.00	6,426.33	36.64	27.39	-48.80	-471.15	5,254.90	4,784.76	4,725.37	59.40	80.554		
7,600.00	6,895.69	6,431.00	6,426.33	38.20	27.39	-48.80	-471.15	5,254.90	4,685.85	4,626.41	59.44	78.830		
7,700.00	6,895.95	6,431.00	6,426.33	39.91	27.39	-48.80	-471.15	5,254.90	4,586.99	4,527.49	59.49	77.101		
7,800.00	6,896.21	6,431.00	6,426.33	41.75	27.39	-48.80	-471.15	5,254.90	4,488.17	4,428.62	59.55	75.366		
7,900.00	6,896.47	6,431.00	6,426.33	43.69	27.39	-48.80	-471.15	5,254.90	4,389.41	4,329.79	59.62	73.625		
8,000.00	6,896.74	6,431.00	6,426.33	45.73	27.39	-48.80	-471.15	5,254.90	4,290.70	4,231.01	59.69	71.879		
8,100.00	6,897.00	6,431.00	6,426.33	47.85	27.39	-48.80	-471.15	5,254.90	4,192.06	4,132.28	59.78	70.126		
8,200.00	6,897.26	6,431.00	6,426.33	50.04	27.39	-48.80	-471.15	5,254.90	4,093.48	4,033.61	59.88	68.366		
8,300.00	6,897.52	6,431.00	6,426.33	52.30	27.39	-48.80	-471.15	5,254.90	3,994.97	3,934.99	59.98	66.601		
8,400.00	6,897.78	6,431.00	6,426.33	54.61	27.39	-48.80	-471.15	5,254.90	3,896.54	3,836.44	60.11	64.828		
8,500.00	6,898.05	6,431.00	6,426.33	56.98	27.39	-48.80	-471.15	5,254.90	3,798.19	3,737.95	60.24	63.049		
8,600.00	6,898.31	6,461.76	6,456.91	59.38	27.52	-50.80	-470.29	5,258.02	3,699.54	3,638.96	60.58	61.067		
8,700.00	6,898.57	6,465.51	6,460.64	61.82	27.53	-51.05	-470.20	5,258.44	3,601.27	3,540.49	60.78	59.253		
8,800.00	6,898.83	6,469.41	6,464.51	64.30	27.55	-51.31	-470.11	5,258.89	3,503.08	3,442.09	61.00	57.431		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,473.47	6,468.55	66.81	27.57	-51.59	-470.02	5,259.36	3,404.99	3,343.75	61.24	55.601		
9,000.00	6,899.36	6,477.71	6,472.75	69.34	27.58	-51.87	-469.94	5,259.87	3,307.00	3,245.49	61.51	53.764		
9,100.00	6,899.62	6,482.13	6,477.14	71.90	27.60	-52.17	-469.85	5,260.41	3,209.11	3,147.30	61.81	51.919		
9,200.00	6,899.88	6,486.74	6,481.72	74.48	27.62	-52.49	-469.76	5,260.98	3,111.34	3,049.19	62.14	50.067		
9,300.00	6,900.14	6,491.57	6,486.50	77.08	27.64	-52.83	-469.68	5,261.59	3,013.69	2,951.18	62.52	48.206		
9,400.00	6,900.41	6,520.00	6,514.66	79.70	27.76	-54.84	-469.31	5,265.50	2,916.43	2,853.34	63.09	46.229		
9,500.00	6,900.67	6,520.00	6,514.66	82.33	27.76	-54.84	-469.31	5,265.50	2,818.98	2,755.46	63.52	44.380		
9,600.00	6,900.93	6,520.00	6,514.66	84.97	27.76	-54.84	-469.31	5,265.50	2,721.71	2,657.70	64.00	42.525		
9,700.00	6,901.19	6,520.00	6,514.66	87.63	27.76	-54.84	-469.31	5,265.50	2,624.64	2,560.10	64.55	40.662		
9,800.00	6,901.45	6,520.00	6,514.66	90.31	27.76	-54.84	-469.31	5,265.50	2,527.81	2,462.65	65.16	38.794		
9,900.00	6,901.72	6,520.00	6,514.66	92.99	27.76	-54.84	-469.31	5,265.50	2,431.23	2,365.38	65.85	36.922		
10,000.00	6,901.98	6,520.00	6,514.66	95.68	27.76	-54.84	-469.31	5,265.50	2,334.94	2,268.32	66.62	35.046		
10,100.00	6,902.24	6,520.00	6,514.66	98.38	27.76	-54.84	-469.31	5,265.50	2,238.98	2,171.47	67.50	33.169		
10,200.00	6,902.50	6,520.00	6,514.66	101.09	27.76	-54.84	-469.31	5,265.50	2,143.38	2,074.88	68.50	31.292		
10,300.00	6,902.76	6,520.00	6,514.66	103.81	27.76	-54.84	-469.31	5,265.50	2,048.21	1,978.58	69.62	29.419		
10,400.00	6,903.03	6,551.68	6,545.92	106.53	27.89	-57.19	-469.14	5,270.61	1,952.80	1,881.65	71.15	27.445		
10,500.00	6,903.29	6,558.44	6,552.57	109.26	27.91	-57.71	-469.13	5,271.83	1,858.32	1,785.64	72.67	25.571		
10,600.00	6,903.55	6,565.71	6,559.71	112.00	27.94	-58.27	-469.14	5,273.20	1,764.36	1,689.96	74.41	23.713		
10,700.00	6,903.81	6,573.57	6,567.42	114.75	27.97	-58.88	-469.16	5,274.73	1,671.03	1,594.64	76.39	21.875		
10,800.00	6,904.08	6,582.08	6,575.76	117.49	28.01	-59.55	-469.21	5,276.46	1,578.40	1,499.74	78.66	20.066		
10,900.00	6,904.34	6,610.00	6,602.98	120.25	28.12	-61.79	-469.47	5,282.63	1,486.87	1,405.45	81.42	18.262		
11,000.00	6,904.60	6,610.00	6,602.98	123.00	28.12	-61.79	-469.47	5,282.63	1,395.84	1,311.48	84.36	16.547		
11,100.00	6,904.86	6,610.00	6,602.98	125.77	28.12	-61.79	-469.47	5,282.63	1,306.13	1,218.37	87.76	14.883		
11,200.00	6,905.12	6,610.00	6,602.98	128.53	28.12	-61.79	-469.47	5,282.63	1,218.01	1,126.32	91.69	13.284		
11,300.00	6,905.39	6,634.61	6,626.83	131.30	28.22	-63.83	-469.67	5,288.68	1,131.31	1,034.80	96.50	11.723		
11,400.00	6,905.65	6,647.26	6,639.04	134.08	28.27	-64.91	-469.67	5,292.00	1,046.85	944.87	101.97	10.266		
11,500.00	6,905.91	6,661.04	6,652.30	136.85	28.32	-66.11	-469.60	5,295.77	965.00	856.64	108.36	8.906		
11,600.00	6,906.17	6,676.12	6,666.74	139.63	28.38	-67.45	-469.42	5,300.09	886.42	770.63	115.79	7.655		
11,700.00	6,906.43	6,699.00	6,688.54	142.42	28.47	-69.52	-468.98	5,307.03	812.02	687.53	124.49	6.523		
11,800.00	6,906.70	6,714.52	6,703.25	145.20	28.54	-70.95	-468.61	5,311.96	742.79	608.51	134.28	5.532		
11,900.00	6,906.96	6,740.60	6,727.86	147.99	28.65	-73.39	-468.02	5,320.57	680.12	534.76	145.36	4.679		
12,000.00	6,907.22	6,769.29	6,754.77	150.78	28.77	-76.13	-467.40	5,330.51	625.71	468.49	157.22	3.980		
12,100.00	6,907.48	6,797.82	6,781.32	153.57	28.89	-78.89	-466.81	5,340.91	581.69	412.68	169.02	3.442		
12,200.00	6,907.74	6,826.10	6,807.24	156.37	29.02	-81.62	-466.09	5,352.21	550.57	371.18	179.39	3.069		
12,300.00	6,908.01	6,860.77	6,838.30	159.17	29.18	-84.95	-464.96	5,367.56	534.07	347.08	186.99	2.856		
12,360.40	6,908.17	6,887.10	6,861.32	160.86	29.30	-87.43	-463.94	5,380.31	531.42	341.60	189.82	2.800 CC		
12,400.00	6,908.27	6,908.94	6,879.95	161.97	29.41	-89.43	-463.10	5,391.66	532.49	341.51	190.97	2.788		
12,500.00	6,908.53	6,978.77	6,936.36	164.77	29.76	-95.46	-460.69	5,432.66	543.52	351.90	191.62	2.837		
12,600.00	6,908.79	7,065.42	6,998.87	167.57	30.28	-101.92	-457.67	5,492.49	563.37	373.27	190.10	2.964		
12,700.00	6,909.06	7,171.10	7,061.14	170.38	31.12	-107.92	-452.13	5,577.49	587.50	398.92	188.57	3.115		
12,800.00	6,909.32	7,285.34	7,116.93	173.18	32.28	-112.89	-447.39	5,677.04	610.59	423.07	187.52	3.256		
12,900.00	6,909.58	7,404.19	7,167.81	175.99	33.77	-117.06	-442.99	5,784.30	633.55	446.73	186.83	3.391		
13,000.00	6,909.84	7,665.65	7,224.92	178.80	38.19	-121.43	-440.87	6,037.75	648.48	458.43	190.05	3.412		
13,100.00	6,910.10	7,772.32	7,227.05	181.61	40.33	-121.84	-446.56	6,144.23	644.71	451.12	193.59	3.330		
13,200.00	6,910.37	7,860.48	7,226.02	184.42	42.25	-121.85	-448.69	6,232.35	641.78	444.04	197.75	3.246		
13,300.00	6,910.63	7,951.94	7,224.54	187.24	44.35	-121.75	-449.19	6,323.80	640.22	438.01	202.22	3.166		
13,331.60	6,910.71	7,978.68	7,224.36	188.13	44.99	-121.73	-449.12	6,350.54	640.10	436.52	203.58	3.144		
13,400.00	6,910.89	8,041.09	7,224.53	190.05	46.51	-121.71	-448.49	6,412.94	640.60	434.00	206.59	3.101		
13,500.00	6,911.15	8,137.74	7,223.97	192.87	48.94	-121.59	-447.15	6,509.59	641.25	429.89	211.35	3.034		
13,600.00	6,911.41	8,228.15	7,224.78	195.68	51.29	-121.50	-444.14	6,599.94	644.22	428.27	215.95	2.983		
13,700.00	6,911.68	8,351.36	7,225.65	198.50	54.59	-121.50	-443.12	6,723.13	644.97	423.61	221.36	2.914		
13,800.00	6,911.94	8,474.49	7,224.26	201.32	58.00	-121.47	-445.27	6,846.23	642.67	416.03	226.64	2.836		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	6,912.20	8,557.53	7,222.10	204.14	60.35	-121.34	-446.25	6,929.23	640.00	408.45	231.55	2.764		
14,000.00	6,912.46	8,657.24	7,219.90	206.96	63.21	-121.19	-446.80	7,028.92	638.14	401.32	236.82	2.695		
14,046.95	6,912.59	8,694.23	7,219.28	208.29	64.29	-121.13	-446.65	7,065.90	637.78	398.72	239.06	2.668		
14,100.00	6,912.72	8,736.53	7,218.70	209.78	65.51	-121.03	-445.74	7,108.18	638.24	396.65	241.59	2.642		
14,200.00	6,912.99	8,836.31	7,217.99	212.61	68.45	-120.84	-442.97	7,207.92	640.01	392.98	247.03	2.591		
14,300.00	6,913.25	8,944.62	7,217.90	215.43	71.67	-120.73	-441.10	7,316.22	641.22	388.63	252.59	2.539		
14,400.00	6,913.51	9,053.97	7,216.61	218.26	74.96	-120.59	-440.62	7,425.56	640.73	382.49	258.23	2.481		
14,500.00	6,913.77	9,160.45	7,215.95	221.08	78.20	-120.58	-441.77	7,532.03	639.24	375.70	263.53	2.426		
14,600.00	6,914.04	9,266.30	7,214.47	223.91	81.44	-120.54	-443.70	7,637.84	636.71	367.82	268.89	2.368		
14,700.00	6,914.30	9,371.25	7,212.45	226.73	84.68	-120.51	-446.77	7,742.73	632.95	358.74	274.21	2.308		
14,794.91	6,914.55	9,442.74	7,211.22	229.42	86.90	-120.43	-447.42	7,814.20	631.14	352.30	278.84	2.263		
14,800.00	6,914.56	9,447.00	7,211.19	229.56	87.03	-120.43	-447.38	7,818.46	631.14	352.05	279.09	2.261		
14,900.00	6,914.82	9,527.34	7,211.51	232.39	89.53	-120.37	-445.78	7,898.79	632.82	349.06	283.75	2.230		
15,000.00	6,915.08	9,628.11	7,213.93	235.22	92.68	-120.41	-443.01	7,999.49	636.15	347.27	288.88	2.202		
15,100.00	6,915.35	9,745.78	7,217.38	238.05	96.38	-120.67	-443.04	8,117.09	637.30	343.21	294.09	2.167		
15,200.00	6,915.61	9,843.92	7,220.49	240.88	99.48	-120.94	-444.05	8,215.18	637.79	339.24	298.55	2.136		
15,300.00	6,915.87	9,952.47	7,223.21	243.71	102.92	-121.18	-445.07	8,323.69	638.06	334.69	303.37	2.103		
15,400.00	6,916.13	10,059.24	7,223.95	246.54	106.32	-121.31	-447.04	8,430.44	636.58	328.20	308.38	2.064		
15,500.00	6,916.39	10,176.49	7,221.28	249.37	110.05	-121.20	-449.26	8,547.62	633.54	319.36	314.18	2.016		
15,600.00	6,916.66	10,280.69	7,216.08	252.20	113.38	-120.91	-452.11	8,651.66	628.37	308.10	320.26	1.962		
15,700.00	6,916.92	10,371.07	7,212.29	255.03	116.28	-120.70	-454.27	8,741.92	623.91	297.86	326.06	1.914		
15,800.00	6,917.18	10,463.30	7,210.20	257.87	119.24	-120.60	-455.91	8,834.12	620.97	289.45	331.52	1.873		
15,900.00	6,917.44	10,571.93	7,210.47	260.70	122.74	-120.75	-459.06	8,942.70	618.40	281.93	336.47	1.838		
16,000.00	6,917.70	10,671.08	7,209.89	263.53	125.93	-120.90	-463.46	9,041.74	614.05	272.75	341.30	1.799		
16,100.00	6,917.97	10,761.89	7,209.95	266.37	128.87	-121.03	-466.32	9,132.51	611.14	265.08	346.06	1.766		
16,178.26	6,918.17	10,826.66	7,209.80	268.59	130.96	-121.04	-467.05	9,197.27	610.12	260.30	349.82	1.744		
16,200.00	6,918.23	10,843.68	7,209.88	269.20	131.51	-121.04	-466.97	9,214.30	610.21	259.39	350.82	1.739		
16,300.00	6,918.49	10,935.36	7,210.69	272.04	134.48	-121.01	-465.12	9,305.95	612.10	256.20	355.90	1.720		
16,400.00	6,918.75	11,030.05	7,211.33	274.87	137.54	-120.92	-462.56	9,400.61	614.52	253.30	361.22	1.701		
16,500.00	6,919.02	11,133.63	7,212.88	277.71	140.89	-120.89	-459.67	9,504.13	617.45	250.68	366.77	1.683		
16,600.00	6,919.28	11,238.51	7,212.99	280.55	144.29	-120.76	-456.99	9,608.98	619.45	246.73	372.72	1.662		
16,700.00	6,919.54	11,331.70	7,212.73	283.38	147.31	-120.58	-453.97	9,702.12	621.83	243.51	378.32	1.644		
16,800.00	6,919.80	11,439.70	7,213.08	286.22	150.82	-120.48	-451.66	9,810.09	623.56	239.26	384.31	1.623		
16,900.00	6,920.06	11,540.61	7,214.82	289.06	154.10	-120.55	-450.44	9,910.97	625.24	235.79	389.45	1.605		
17,000.00	6,920.33	11,630.70	7,215.76	291.90	157.04	-120.56	-449.42	10,001.05	626.58	232.27	394.31	1.589		
17,100.00	6,920.59	11,712.31	7,218.06	294.73	159.69	-120.57	-446.01	10,082.55	631.28	232.71	398.56	1.584		
17,200.00	6,920.85	11,819.30	7,223.21	297.57	163.17	-120.76	-441.65	10,189.33	637.03	233.36	403.66	1.578		
17,300.00	6,921.11	11,920.75	7,226.46	300.41	166.48	-120.85	-438.50	10,290.68	641.08	232.34	408.73	1.568		
17,400.00	6,921.37	12,016.78	7,229.03	303.25	169.61	-120.84	-434.34	10,386.58	645.92	232.07	413.85	1.561 ES, SF		
17,500.00	6,921.64	12,022.00	7,229.17	306.09	169.78	-120.84	-434.10	10,391.79	657.77	248.49	409.28	1.607		
17,600.00	6,921.90	12,022.00	7,229.17	308.93	169.78	-120.84	-434.10	10,391.79	684.17	287.92	396.25	1.727		
17,638.91	6,922.00	12,022.00	7,229.17	310.03	169.78	-120.84	-434.10	10,391.79	698.05	308.56	389.49	1.792		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	95.93	-545.52	5,255.85	5,284.13					
100.00	100.00	93.92	93.91	3.28	3.29	95.94	-546.44	5,255.61	5,283.97	5,277.39	6.57	803.842		
200.00	200.00	207.30	207.27	3.34	3.36	95.96	-548.49	5,254.77	5,283.40	5,276.70	6.70	788.643		
256.94	256.94	253.99	253.96	3.39	3.41	-100.99	-549.26	5,254.46	5,283.24	5,276.44	6.80	776.647		
300.00	299.98	292.93	292.89	3.44	3.46	-100.99	-549.85	5,254.28	5,283.32	5,276.42	6.90	765.243		
400.00	399.84	389.77	389.72	3.59	3.62	-101.02	-551.29	5,253.86	5,284.05	5,276.84	7.21	732.534		
500.00	499.45	544.87	544.79	3.79	3.96	-101.12	-553.63	5,252.81	5,285.34	5,277.59	7.75	681.830		
600.00	598.70	683.74	683.52	4.04	4.34	-101.22	-558.92	5,249.66	5,285.76	5,277.39	8.37	631.147		
660.50	658.52	730.48	730.15	4.20	4.49	-101.25	-562.01	5,248.45	5,286.37	5,277.69	8.68	608.800		
700.00	697.51	742.00	741.62	4.31	4.52	-101.26	-562.91	5,248.16	5,286.99	5,278.15	8.83	598.416		
800.00	796.22	803.56	802.97	4.63	4.72	-101.31	-567.92	5,246.96	5,289.09	5,279.73	9.35	565.541		
900.00	894.93	837.00	836.29	4.98	4.84	-101.34	-570.74	5,246.61	5,292.22	5,282.42	9.81	539.569		
1,000.00	993.64	892.70	891.76	5.34	5.03	-101.38	-575.72	5,246.57	5,296.34	5,285.97	10.37	510.883		
1,100.00	1,092.35	930.00	928.88	5.73	5.16	-101.40	-579.34	5,246.97	5,301.59	5,290.71	10.88	487.212		
1,200.00	1,191.06	964.63	963.33	6.13	5.29	-101.43	-582.82	5,247.75	5,308.06	5,296.65	11.40	465.528		
1,300.00	1,289.78	1,025.00	1,023.33	6.54	5.51	-101.46	-588.98	5,250.30	5,316.07	5,304.04	12.03	441.855		
1,400.00	1,388.49	1,032.59	1,030.86	6.95	5.54	-101.47	-589.76	5,250.71	5,324.85	5,312.38	12.47	426.996		
1,500.00	1,487.20	1,301.00	1,298.45	7.38	6.56	-101.75	-607.31	5,260.95	5,331.94	5,318.02	13.92	383.006		
1,600.00	1,585.91	1,366.91	1,364.27	7.81	6.81	-101.83	-610.18	5,262.69	5,338.43	5,323.82	14.61	365.519		
1,700.00	1,684.62	1,430.96	1,428.20	8.25	7.07	-101.91	-613.21	5,265.14	5,345.95	5,330.66	15.29	349.614		
1,800.00	1,783.33	1,535.24	1,532.18	8.70	7.49	-102.01	-619.89	5,269.21	5,353.75	5,337.60	16.15	331.437		
1,900.00	1,882.04	1,640.59	1,637.29	9.15	7.92	-102.13	-625.97	5,273.11	5,361.32	5,344.29	17.03	314.796		
2,000.00	1,980.75	1,794.25	1,790.67	9.60	8.56	-102.31	-633.82	5,277.96	5,368.27	5,350.15	18.12	296.270		
2,100.00	2,079.46	1,868.70	1,865.01	10.05	8.87	-102.40	-637.14	5,280.23	5,375.14	5,356.26	18.88	284.743		
2,200.00	2,178.17	1,946.00	1,942.17	10.51	9.20	-102.49	-640.91	5,282.78	5,382.34	5,362.69	19.65	273.882		
2,300.00	2,276.88	2,001.34	1,997.40	10.97	9.43	-102.55	-643.79	5,284.94	5,390.19	5,369.85	20.34	265.068		
2,400.00	2,375.59	2,059.24	2,055.14	11.43	9.68	-102.62	-646.91	5,287.77	5,398.97	5,377.94	21.03	256.730		
2,500.00	2,474.31	2,153.58	2,149.25	11.89	10.09	-102.73	-651.41	5,292.77	5,408.18	5,386.30	21.89	247.101		
2,600.00	2,573.02	2,295.78	2,291.02	12.36	10.71	-102.88	-659.81	5,299.73	5,417.11	5,394.15	22.97	235.840		
2,700.00	2,671.73	2,385.81	2,380.73	12.82	11.11	-102.97	-666.36	5,303.63	5,425.57	5,401.74	23.83	227.704		
2,800.00	2,770.44	2,490.32	2,484.90	13.29	11.58	-103.07	-673.21	5,308.39	5,434.22	5,409.47	24.75	219.546		
2,900.00	2,869.15	2,900.00	2,645.66	13.76	13.40	-103.24	-682.42	5,314.92	5,442.40	5,415.37	27.03	201.333		
3,000.00	2,967.86	2,816.40	2,810.10	14.23	13.03	-103.39	-694.27	5,318.94	5,448.84	5,421.69	27.15	200.680		
3,100.00	3,066.57	2,926.38	2,919.75	14.70	13.53	-103.49	-702.54	5,320.98	5,454.90	5,426.79	28.12	194.008		
3,200.00	3,165.28	3,050.27	3,043.45	15.17	14.08	-103.63	-708.89	5,323.28	5,460.87	5,431.73	29.14	187.425		
3,300.00	3,263.99	3,300.00	3,202.17	15.64	15.15	-103.83	-714.42	5,324.86	5,465.85	5,435.17	30.69	178.111		
3,400.00	3,362.70	3,323.28	3,316.34	16.11	15.25	-104.00	-715.67	5,325.25	5,470.12	5,438.87	31.25	175.038		
3,500.00	3,461.41	3,427.53	3,420.59	16.59	15.68	-104.16	-716.33	5,325.50	5,474.33	5,442.17	32.16	170.226		
3,600.00	3,560.12	3,497.00	3,490.05	17.06	15.97	-104.27	-716.68	5,325.94	5,478.96	5,446.04	32.92	166.442		
3,700.00	3,658.84	3,572.70	3,565.74	17.53	16.28	-104.39	-716.99	5,326.79	5,484.10	5,450.40	33.70	162.732		
3,800.00	3,757.55	3,685.68	3,678.71	18.01	16.75	-104.57	-717.29	5,328.12	5,489.36	5,454.72	34.64	158.476		
3,900.00	3,856.26	3,773.65	3,766.68	18.48	17.10	-104.72	-717.25	5,329.14	5,494.61	5,459.15	35.47	154.922		
4,000.00	3,954.97	3,876.83	3,869.86	18.96	17.53	-104.88	-717.27	5,330.38	5,499.97	5,463.61	36.36	151.256		
4,100.00	4,053.68	3,998.78	3,991.80	19.44	18.03	-105.08	-717.23	5,331.48	5,505.06	5,467.72	37.34	147.435		
4,200.00	4,152.39	4,085.80	4,078.82	19.91	18.39	-105.22	-717.82	5,332.09	5,510.04	5,471.86	38.18	144.322		
4,300.00	4,251.10	4,235.86	4,228.86	20.39	19.03	-105.44	-719.72	5,332.90	5,514.96	5,475.66	39.30	140.337		
4,400.00	4,349.81	4,334.32	4,327.31	20.87	19.44	-105.59	-719.88	5,332.89	5,519.28	5,479.10	40.18	137.355		
4,500.00	4,448.52	4,432.53	4,425.52	21.34	19.84	-105.75	-719.91	5,332.88	5,523.66	5,482.60	41.05	134.548		
4,600.00	4,547.23	4,567.34	4,560.33	21.82	20.37	-105.97	-719.80	5,332.60	5,527.90	5,485.83	42.07	131.398		
4,700.00	4,645.94	4,675.22	4,668.21	22.30	20.80	-106.14	-719.58	5,331.77	5,531.60	5,488.63	42.97	128.730		
4,800.00	4,744.65	4,760.15	4,753.13	22.78	21.13	-106.28	-719.39	5,331.16	5,535.40	5,491.62	43.78	126.434		
4,900.00	4,843.37	4,836.00	4,828.99	23.26	21.43	-106.40	-719.17	5,330.93	5,539.64	5,495.09	44.55	124.338		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	4,911.81	4,904.80	23.74	21.72	-106.53	-718.75	5,331.02	5,544.33	5,499.00	45.32	122.326		
5,100.00	5,040.79	5,040.35	5,033.33	24.21	22.23	-106.74	-717.83	5,331.04	5,548.99	5,502.68	46.31	119.823		
5,200.00	5,139.50	5,157.47	5,150.45	24.69	22.70	-106.93	-717.52	5,330.51	5,553.21	5,505.96	47.25	117.517		
5,300.00	5,238.21	5,247.36	5,240.34	25.17	23.06	-107.07	-717.65	5,329.96	5,557.35	5,509.25	48.10	115.539		
5,400.00	5,336.92	5,342.28	5,335.26	25.65	23.46	-107.21	-718.32	5,329.63	5,561.75	5,512.78	48.98	113.559		
5,500.00	5,435.63	5,459.31	5,452.28	26.13	23.96	-107.39	-719.36	5,329.02	5,566.04	5,516.09	49.95	111.431		
5,600.00	5,534.34	5,563.05	5,556.00	26.61	24.38	-107.56	-717.82	5,328.20	5,570.12	5,519.27	50.85	109.548		
5,700.00	5,633.05	5,657.27	5,650.19	27.09	24.75	-107.74	-715.43	5,327.47	5,574.28	5,522.59	51.69	107.833		
5,800.00	5,731.76	5,756.84	5,749.74	27.57	25.14	-107.91	-713.90	5,326.67	5,578.46	5,525.89	52.57	106.122		
5,900.00	5,830.47	5,856.58	5,849.48	28.05	25.55	-108.07	-713.43	5,326.01	5,582.79	5,529.35	53.45	104.454		
6,000.00	5,929.18	5,969.24	5,962.13	28.53	26.02	-108.24	-713.90	5,324.98	5,586.90	5,532.51	54.39	102.711		
6,100.00	6,027.90	6,059.89	6,052.78	29.01	26.40	-108.37	-714.65	5,324.13	5,591.02	5,535.77	55.25	101.187		
6,200.00	6,126.61	6,200.00	6,162.76	29.49	27.00	-108.53	-716.14	5,323.06	5,595.12	5,538.79	56.33	99.325		
6,300.00	6,225.32	6,220.66	6,213.52	29.97	27.08	-108.60	-716.73	5,322.69	5,599.58	5,542.69	56.89	98.433		
6,311.21	6,236.38	6,225.57	6,218.43	30.03	27.10	-108.61	-716.76	5,322.68	5,600.14	5,543.18	56.96	98.317		
6,350.00	6,274.70	6,260.00	6,252.86	30.21	27.25	-86.66	-716.82	5,322.79	5,601.06	5,543.78	57.29	97.771		
6,400.00	6,324.03	6,297.16	6,290.02	30.43	27.40	-61.09	-716.79	5,322.95	5,598.83	5,541.16	57.67	97.090		
6,450.00	6,373.00	6,450.00	6,344.37	30.65	28.04	-44.31	-716.85	5,322.88	5,592.44	5,533.93	58.52	95.566		
6,500.00	6,421.31	6,378.59	6,371.45	30.84	27.74	-34.18	-716.88	5,322.88	5,582.34	5,523.92	58.41	95.564		
6,550.00	6,468.66	6,395.46	6,388.32	31.03	27.81	-27.84	-716.86	5,323.01	5,568.74	5,510.08	58.66	94.928		
6,600.00	6,514.76	6,411.95	6,404.80	31.20	27.88	-23.64	-716.83	5,323.22	5,551.67	5,492.77	58.90	94.263		
6,650.00	6,559.32	6,438.00	6,430.85	31.37	27.99	-20.76	-716.73	5,323.73	5,531.24	5,472.08	59.16	93.497		
6,700.00	6,602.08	6,438.00	6,430.85	31.52	27.99	-18.65	-716.73	5,323.73	5,507.50	5,448.20	59.29	92.888		
6,750.00	6,642.77	6,438.00	6,430.85	31.65	27.99	-17.11	-716.73	5,323.73	5,480.70	5,421.29	59.41	92.253		
6,800.00	6,681.13	6,438.00	6,430.85	31.78	27.99	-15.98	-716.73	5,323.73	5,450.98	5,391.47	59.51	91.592		
6,850.00	6,716.93	6,438.00	6,430.85	31.89	27.99	-15.15	-716.73	5,323.73	5,418.48	5,358.87	59.60	90.907		
6,900.00	6,749.95	6,438.00	6,430.85	31.99	27.99	-14.58	-716.73	5,323.73	5,383.34	5,323.66	59.68	90.199		
6,950.00	6,779.98	6,473.90	6,466.72	32.08	28.14	-14.36	-716.49	5,325.13	5,345.07	5,285.14	59.92	89.197		
7,000.00	6,806.85	6,479.22	6,472.04	32.16	28.16	-14.26	-716.44	5,325.43	5,304.96	5,244.95	60.01	88.404		
7,050.00	6,830.38	6,484.02	6,476.83	32.24	28.18	-14.40	-716.39	5,325.72	5,262.76	5,202.68	60.08	87.598		
7,100.00	6,850.43	6,488.26	6,481.06	32.35	28.20	-14.82	-716.34	5,325.99	5,218.69	5,158.55	60.14	86.779		
7,150.00	6,866.88	6,491.91	6,484.70	32.59	28.22	-15.63	-716.30	5,326.24	5,172.97	5,112.79	60.19	85.950		
7,200.00	6,879.62	6,527.00	6,519.66	32.99	28.36	-17.43	-715.84	5,329.17	5,126.40	5,066.02	60.38	84.899		
7,250.00	6,888.58	6,527.00	6,519.66	33.48	28.36	-20.19	-715.84	5,329.17	5,078.10	5,017.70	60.40	84.074		
7,300.00	6,893.70	6,527.00	6,519.66	34.02	28.36	-25.99	-715.84	5,329.17	5,028.97	4,968.56	60.41	83.242		
7,339.40	6,895.01	6,527.00	6,519.66	34.48	28.36	-37.37	-715.84	5,329.17	4,989.86	4,929.44	60.42	82.583		
7,400.00	6,895.16	6,527.00	6,519.66	35.24	28.36	-37.37	-715.84	5,329.17	4,929.52	4,869.09	60.43	81.570		
7,500.00	6,895.43	6,527.00	6,519.66	36.64	28.36	-37.37	-715.84	5,329.17	4,829.97	4,769.52	60.45	79.898		
7,600.00	6,895.69	6,527.00	6,519.66	38.20	28.36	-37.37	-715.84	5,329.17	4,730.43	4,669.96	60.47	78.225		
7,700.00	6,895.95	6,527.00	6,519.66	39.91	28.36	-37.37	-715.84	5,329.17	4,630.92	4,570.42	60.50	76.549		
7,800.00	6,896.21	6,527.00	6,519.66	41.75	28.36	-37.37	-715.84	5,329.17	4,531.42	4,470.90	60.52	74.871		
7,900.00	6,896.47	6,527.00	6,519.66	43.69	28.36	-37.37	-715.84	5,329.17	4,431.95	4,371.40	60.55	73.191		
8,000.00	6,896.74	6,527.00	6,519.66	45.73	28.36	-37.37	-715.84	5,329.17	4,332.50	4,271.91	60.59	71.509		
8,100.00	6,897.00	6,527.00	6,519.66	47.85	28.36	-37.37	-715.84	5,329.17	4,233.08	4,172.45	60.62	69.825		
8,200.00	6,897.26	6,527.00	6,519.66	50.04	28.36	-37.37	-715.84	5,329.17	4,133.68	4,073.02	60.67	68.139		
8,300.00	6,897.52	6,527.00	6,519.66	52.30	28.36	-37.37	-715.84	5,329.17	4,034.32	3,973.61	60.71	66.451		
8,400.00	6,897.78	6,527.00	6,519.66	54.61	28.36	-37.37	-715.84	5,329.17	3,934.99	3,874.23	60.76	64.761		
8,500.00	6,898.05	6,527.00	6,519.66	56.98	28.36	-37.37	-715.84	5,329.17	3,835.69	3,774.87	60.82	63.068		
8,600.00	6,898.31	6,527.00	6,519.66	59.38	28.36	-37.37	-715.84	5,329.17	3,736.43	3,675.55	60.88	61.374		
8,700.00	6,898.57	6,527.00	6,519.66	61.82	28.36	-37.37	-715.84	5,329.17	3,637.21	3,576.26	60.95	59.678		
8,800.00	6,898.83	6,527.00	6,519.66	64.30	28.36	-37.37	-715.84	5,329.17	3,538.04	3,477.01	61.02	57.979		
8,900.00	6,899.10	6,527.00	6,519.66	66.81	28.36	-37.37	-715.84	5,329.17	3,438.91	3,377.80	61.11	56.278		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	6,527.00	6,519.66	69.34	28.36	-37.37	-715.84	5,329.17	3,339.83	3,278.64	61.20	54.575		
9,100.00	6,899.62	6,527.00	6,519.66	71.90	28.36	-37.37	-715.84	5,329.17	3,240.81	3,179.52	61.30	52.870		
9,200.00	6,899.88	6,527.00	6,519.66	74.48	28.36	-37.37	-715.84	5,329.17	3,141.86	3,080.45	61.41	51.162		
9,300.00	6,900.14	6,527.00	6,519.66	77.08	28.36	-37.37	-715.84	5,329.17	3,042.97	2,981.44	61.53	49.452		
9,400.00	6,900.41	6,527.00	6,519.66	79.70	28.36	-37.37	-715.84	5,329.17	2,944.16	2,882.48	61.67	47.739		
9,500.00	6,900.67	6,527.00	6,519.66	82.33	28.36	-37.37	-715.84	5,329.17	2,845.43	2,783.60	61.83	46.023		
9,600.00	6,900.93	6,527.00	6,519.66	84.97	28.36	-37.37	-715.84	5,329.17	2,746.79	2,684.79	62.00	44.305		
9,700.00	6,901.19	6,527.00	6,519.66	87.63	28.36	-37.37	-715.84	5,329.17	2,648.25	2,586.06	62.19	42.583		
9,800.00	6,901.45	6,527.00	6,519.66	90.31	28.36	-37.37	-715.84	5,329.17	2,549.83	2,487.42	62.41	40.859		
9,900.00	6,901.72	6,559.68	6,552.12	92.99	28.50	-40.03	-715.28	5,332.93	2,450.76	2,387.89	62.87	38.984		
10,000.00	6,901.98	6,563.57	6,555.97	95.68	28.52	-40.36	-715.21	5,333.45	2,352.40	2,289.23	63.17	37.238		
10,100.00	6,902.24	6,567.69	6,560.05	98.38	28.54	-40.72	-715.13	5,334.02	2,254.16	2,190.64	63.52	35.489		
10,200.00	6,902.50	6,572.08	6,564.39	101.09	28.55	-41.11	-715.04	5,334.65	2,156.06	2,092.14	63.91	33.736		
10,300.00	6,902.76	6,576.75	6,569.02	103.81	28.57	-41.53	-714.95	5,335.33	2,058.10	1,993.74	64.36	31.978		
10,400.00	6,903.03	6,581.74	6,573.94	106.53	28.60	-41.99	-714.85	5,336.09	1,960.32	1,895.44	64.87	30.217		
10,500.00	6,903.29	6,587.08	6,579.21	109.26	28.62	-42.49	-714.73	5,336.93	1,862.72	1,797.25	65.47	28.452		
10,600.00	6,903.55	6,617.00	6,608.66	112.00	28.74	-45.45	-714.05	5,342.19	1,765.82	1,699.48	66.34	26.618		
10,700.00	6,903.81	6,617.00	6,608.66	114.75	28.74	-45.45	-714.05	5,342.19	1,668.49	1,601.39	67.10	24.866		
10,800.00	6,904.08	6,617.00	6,608.66	117.49	28.74	-45.45	-714.05	5,342.19	1,571.49	1,503.50	67.99	23.112		
10,900.00	6,904.34	6,617.00	6,608.66	120.25	28.74	-45.45	-714.05	5,342.19	1,474.90	1,405.85	69.05	21.359		
11,000.00	6,904.60	6,617.00	6,608.66	123.00	28.74	-45.45	-714.05	5,342.19	1,378.80	1,308.49	70.31	19.610		
11,100.00	6,904.86	6,617.00	6,608.66	125.77	28.74	-45.45	-714.05	5,342.19	1,283.28	1,211.47	71.82	17.869		
11,200.00	6,905.12	6,617.00	6,608.66	128.53	28.74	-45.45	-714.05	5,342.19	1,188.51	1,114.88	73.63	16.141		
11,300.00	6,905.39	6,647.58	6,638.56	131.30	28.87	-48.79	-713.33	5,348.55	1,093.74	1,017.54	76.19	14.355		
11,400.00	6,905.65	6,658.55	6,649.24	134.08	28.92	-50.07	-713.08	5,351.08	1,000.23	921.15	79.08	12.648		
11,500.00	6,905.91	6,670.75	6,661.06	136.85	28.97	-51.54	-712.80	5,354.05	907.81	825.13	82.68	10.980		
11,600.00	6,906.17	6,684.38	6,674.23	139.63	29.03	-53.25	-712.50	5,357.56	816.77	729.56	87.21	9.366		
11,700.00	6,906.43	6,706.00	6,695.00	142.42	29.12	-56.09	-712.03	5,363.53	727.60	634.52	93.08	7.817		
11,800.00	6,906.70	6,717.68	6,706.17	145.20	29.17	-57.70	-711.79	5,366.96	640.80	540.36	100.44	6.380		
11,900.00	6,906.96	6,738.36	6,725.83	147.99	29.26	-60.66	-711.35	5,373.34	557.44	447.27	110.16	5.060		
12,000.00	6,907.22	6,761.79	6,747.96	150.78	29.36	-64.21	-710.87	5,381.05	478.99	356.13	122.86	3.899		
12,100.00	6,907.48	6,788.55	6,773.00	153.57	29.47	-68.48	-710.32	5,390.45	407.94	268.77	139.17	2.931		
12,200.00	6,907.74	6,818.43	6,800.62	156.37	29.61	-73.47	-709.79	5,401.84	348.30	189.54	158.77	2.194		
12,300.00	6,908.01	6,855.27	6,833.92	159.17	29.77	-79.80	-709.41	5,417.59	305.83	127.32	178.52	1.713		
12,400.00	6,908.27	6,904.30	6,876.83	161.97	30.00	-88.29	-709.47	5,441.27	286.18	94.82	191.36	1.495 Level 3		
12,430.61	6,908.35	6,922.64	6,892.53	162.82	30.09	-91.44	-709.77	5,450.75	285.06	92.27	192.79	1.479 Level 3, CC, ES		
12,500.00	6,908.53	6,968.83	6,931.22	164.77	30.33	-99.18	-711.26	5,475.92	290.49	99.34	191.14	1.520		
12,600.00	6,908.79	7,030.21	6,980.60	167.57	30.69	-108.68	-713.47	5,512.30	315.73	135.57	180.16	1.752		
12,700.00	6,909.06	7,106.68	7,038.11	170.38	31.20	-118.54	-714.24	5,562.62	355.72	189.63	166.09	2.142		
12,800.00	6,909.32	7,264.55	7,133.01	173.18	32.56	-131.20	-712.19	5,687.98	397.47	241.40	156.07	2.547		
12,900.00	6,909.58	7,414.71	7,192.01	175.99	34.39	-137.60	-715.12	5,825.86	424.37	274.13	150.24	2.825		
13,000.00	6,909.84	7,612.48	7,230.15	178.80	37.64	-141.77	-723.49	6,018.79	437.07	289.55	147.52	2.963		
13,100.00	6,910.10	7,728.44	7,228.51	181.61	39.86	-141.99	-727.03	6,134.67	433.53	283.23	150.31	2.884		
13,200.00	6,910.37	7,821.82	7,227.13	184.42	41.83	-142.08	-729.08	6,228.01	430.73	277.46	153.27	2.810		
13,300.00	6,910.63	7,920.46	7,226.29	187.24	44.04	-142.05	-729.50	6,326.64	429.50	272.80	156.70	2.741		
13,400.00	6,910.89	8,020.00	7,224.85	190.05	46.40	-142.15	-731.58	6,426.15	426.79	266.90	159.89	2.669		
13,426.86	6,910.96	8,040.02	7,224.64	190.81	46.90	-142.14	-731.74	6,446.17	426.41	265.71	160.71	2.653		
13,500.00	6,911.15	8,092.70	7,225.46	192.87	48.20	-142.00	-729.80	6,498.80	428.60	265.51	163.09	2.628		
13,600.00	6,911.41	8,206.60	7,228.03	195.68	51.10	-141.69	-724.91	6,612.55	432.86	264.92	167.95	2.577		
13,700.00	6,911.68	8,305.49	7,229.45	198.50	53.72	-141.63	-723.29	6,711.42	434.72	262.99	171.73	2.531		
13,800.00	6,911.94	8,410.70	7,230.15	201.32	56.59	-141.55	-722.02	6,816.61	435.70	259.89	175.81	2.478		
13,900.00	6,912.20	8,509.93	7,231.00	204.14	59.35	-141.56	-721.49	6,915.84	436.41	256.89	179.52	2.431		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	6,912.46	8,612.63	7,232.31	206.96	62.27	-141.67	-721.60	7,018.53	437.06	254.02	183.04	2.388		
14,100.00	6,912.72	8,718.84	7,232.65	209.78	65.34	-141.77	-722.42	7,124.74	436.55	249.89	186.66	2.339		
14,200.00	6,912.99	8,826.76	7,232.15	212.61	68.51	-141.85	-723.59	7,225.13	435.15	244.74	190.41	2.285		
14,300.00	6,913.25	8,919.23	7,230.93	215.43	71.25	-141.76	-723.75	7,325.11	433.81	239.40	194.40	2.231		
14,341.49	6,913.36	8,954.90	7,230.75	216.60	72.32	-141.73	-723.66	7,360.78	433.58	237.61	195.97	2.213		
14,400.00	6,913.51	9,007.55	7,231.10	218.26	73.90	-141.70	-723.17	7,413.43	434.04	235.89	198.15	2.190		
14,500.00	6,913.77	9,112.61	7,231.67	221.08	77.07	-141.65	-722.30	7,518.47	434.68	232.32	202.36	2.148		
14,600.00	6,914.04	9,210.66	7,231.33	223.91	80.06	-141.48	-721.03	7,616.52	434.94	228.15	206.79	2.103		
14,700.00	6,914.30	9,317.39	7,230.59	226.73	83.32	-141.14	-718.38	7,723.21	435.72	223.64	212.08	2.054		
14,800.00	6,914.56	9,420.43	7,229.08	229.56	86.51	-141.13	-719.56	7,826.22	433.54	217.38	216.16	2.006		
14,900.00	6,914.82	9,519.35	7,228.42	232.39	89.58	-141.13	-720.18	7,925.14	432.34	212.22	220.12	1.964		
15,000.00	6,915.08	9,620.84	7,227.05	235.22	92.75	-141.04	-720.52	8,026.63	430.80	206.33	224.47	1.919		
15,100.00	6,915.35	9,718.18	7,225.61	238.05	95.80	-140.90	-720.41	8,123.96	429.42	200.47	228.95	1.876		
15,200.00	6,915.61	9,822.73	7,223.59	240.88	99.09	-140.72	-720.39	8,228.49	427.65	193.89	233.76	1.829		
15,300.00	6,915.87	9,919.63	7,221.57	243.71	102.15	-140.54	-720.33	8,325.36	425.79	187.31	238.48	1.785		
15,395.19	6,916.12	10,008.78	7,220.57	246.40	104.98	-140.39	-719.84	8,414.50	425.03	182.26	242.77	1.751		
15,400.00	6,916.13	10,013.16	7,220.55	246.54	105.12	-140.38	-719.79	8,418.89	425.04	182.05	242.98	1.749		
15,500.00	6,916.39	10,108.21	7,220.56	249.37	108.13	-140.18	-717.90	8,513.91	426.01	178.29	247.72	1.720		
15,600.00	6,916.66	10,209.04	7,221.23	252.20	111.34	-140.09	-716.51	8,614.73	427.12	174.89	252.23	1.693		
15,700.00	6,916.92	10,312.58	7,222.16	255.03	114.65	-140.09	-715.83	8,718.26	427.95	171.49	256.46	1.669		
15,800.00	6,917.18	10,412.11	7,222.92	257.87	117.84	-140.17	-716.12	8,817.79	428.07	167.86	260.21	1.645		
15,900.00	6,917.44	10,513.21	7,224.07	260.70	121.09	-140.31	-716.59	8,918.88	428.36	164.58	263.78	1.624		
16,000.00	6,917.70	10,617.92	7,224.77	263.53	124.46	-140.48	-717.79	9,023.58	427.85	160.59	267.27	1.601		
16,100.00	6,917.97	10,717.22	7,224.64	266.37	127.66	-140.56	-718.71	9,122.88	426.88	155.85	271.03	1.575		
16,200.00	6,918.23	10,816.14	7,223.86	269.20	130.85	-140.43	-718.22	9,221.80	426.30	150.63	275.67	1.546		
16,300.00	6,918.49	10,915.59	7,222.59	272.04	134.07	-140.23	-717.37	9,321.23	425.58	144.87	280.71	1.516		
16,400.00	6,918.75	11,014.17	7,222.29	274.87	137.25	-140.13	-716.74	9,419.81	425.47	140.20	285.27	1.491 Level 3		
16,500.00	6,919.02	11,115.49	7,222.00	277.71	140.54	-140.06	-716.37	9,521.13	425.19	135.40	289.79	1.467 Level 3		
16,553.01	6,919.15	11,166.69	7,222.40	279.21	142.20	-140.14	-716.91	9,572.32	425.00	133.46	291.54	1.458 Level 3		
16,600.00	6,919.28	11,210.11	7,222.86	280.55	143.61	-140.18	-716.98	9,615.74	425.20	132.03	293.17	1.450 Level 3		
16,700.00	6,919.54	11,305.35	7,224.24	283.38	146.70	-140.20	-716.01	9,710.96	426.67	129.58	297.09	1.436 Level 3		
16,800.00	6,919.80	11,414.35	7,225.01	286.22	150.25	-140.10	-714.56	9,819.95	427.80	125.80	302.01	1.417 Level 3		
16,900.00	6,920.06	11,519.35	7,223.94	289.06	153.66	-139.96	-714.18	9,924.94	426.97	119.98	306.99	1.391 Level 3		
17,000.00	6,920.33	11,618.66	7,222.72	291.90	156.90	-139.86	-714.29	10,024.24	425.67	114.02	311.66	1.366 Level 3		
17,100.00	6,920.59	11,716.21	7,221.58	294.73	160.08	-139.71	-713.86	10,121.78	424.78	108.22	316.56	1.342 Level 3		
17,200.00	6,920.85	11,814.89	7,220.75	297.57	163.30	-139.53	-712.95	10,220.45	424.45	102.83	321.61	1.320 Level 3		
17,300.00	6,921.11	11,918.65	7,219.05	300.41	166.68	-139.21	-711.40	10,324.18	423.90	96.35	327.55	1.294 Level 3		
17,352.48	6,921.25	11,970.94	7,217.69	301.90	168.39	-138.99	-710.48	10,376.46	423.32	92.40	330.91	1.279 Level 3, SF		
17,400.00	6,921.37	11,966.00	7,217.82	303.25	168.23	-139.01	-710.57	10,371.51	426.04	96.75	329.29	1.294 Level 3		
17,500.00	6,921.64	11,966.00	7,217.82	306.09	168.23	-139.01	-710.57	10,371.51	448.41	133.53	314.88	1.424 Level 3		
17,600.00	6,921.90	11,966.00	7,217.82	308.93	168.23	-139.01	-710.57	10,371.51	490.54	200.11	290.43	1.689		
17,638.91	6,922.00	11,966.00	7,217.82	310.03	168.23	-139.01	-710.57	10,371.51	511.30	231.50	279.80	1.827		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.56	-515.28	5,290.64	5,315.72					
100.00	100.00	87.21	87.21	3.28	3.29	95.56	-515.26	5,290.55	5,315.60	5,309.03	6.57	809.035		
200.00	200.00	186.76	186.76	3.34	3.34	95.56	-515.06	5,290.40	5,315.42	5,308.74	6.68	795.790		
227.75	227.75	214.92	214.92	3.36	3.37	-101.39	-514.94	5,290.36	5,315.39	5,308.67	6.73	789.971		
300.00	299.98	286.69	286.69	3.44	3.45	-101.41	-514.52	5,290.25	5,315.57	5,308.68	6.89	771.262		
400.00	399.84	389.27	389.27	3.59	3.62	-101.45	-514.20	5,290.14	5,316.47	5,309.26	7.21	737.796		
500.00	499.45	506.63	506.62	3.79	3.86	-101.53	-514.41	5,289.53	5,317.69	5,310.05	7.64	695.713		
600.00	598.70	588.04	588.03	4.04	4.05	-101.59	-514.62	5,289.13	5,319.70	5,311.62	8.08	658.388		
660.50	658.52	630.06	630.05	4.20	4.16	-101.63	-514.36	5,289.13	5,321.50	5,313.15	8.35	636.933		
700.00	697.51	648.00	647.99	4.31	4.21	-101.66	-514.15	5,289.18	5,322.89	5,314.37	8.52	624.824		
800.00	796.22	718.41	718.39	4.63	4.40	-101.80	-512.74	5,289.75	5,326.87	5,317.84	9.03	589.814		
900.00	894.93	812.89	812.79	4.98	4.68	-101.99	-509.22	5,291.18	5,331.41	5,321.75	9.66	552.125		
1,000.00	993.64	902.48	902.18	5.34	4.97	-102.21	-503.50	5,292.66	5,335.96	5,325.66	10.31	517.644		
1,100.00	1,092.35	986.31	985.61	5.73	5.26	-102.43	-495.60	5,294.46	5,340.87	5,329.89	10.98	486.568		
1,200.00	1,191.06	1,076.98	1,075.64	6.13	5.58	-102.69	-485.04	5,296.72	5,346.09	5,334.38	11.70	456.870		
1,300.00	1,289.78	1,168.23	1,166.07	6.54	5.93	-102.97	-473.10	5,299.13	5,351.49	5,339.04	12.46	429.571		
1,400.00	1,388.49	1,344.21	1,340.49	6.95	6.65	-103.51	-450.08	5,302.62	5,356.44	5,342.85	13.59	394.105		
1,500.00	1,487.20	1,530.45	1,525.36	7.38	7.44	-104.06	-427.58	5,303.16	5,359.95	5,345.14	14.81	361.967		
1,600.00	1,585.91	1,611.78	1,606.17	7.81	7.79	-104.29	-418.47	5,302.74	5,362.86	5,347.27	15.59	343.950		
1,700.00	1,684.62	1,670.00	1,663.89	8.25	8.05	-104.46	-410.85	5,302.75	5,366.39	5,350.10	16.29	329.513		
1,800.00	1,783.33	1,718.79	1,712.20	8.70	8.27	-104.61	-404.02	5,303.17	5,370.84	5,353.89	16.95	316.921		
1,900.00	1,882.04	1,762.00	1,754.99	9.15	8.47	-104.75	-398.05	5,303.98	5,376.37	5,358.78	17.59	305.728		
2,000.00	1,980.75	1,812.95	1,805.39	9.60	8.71	-104.91	-390.76	5,305.39	5,382.92	5,364.65	18.27	294.694		
2,100.00	2,079.46	1,968.56	1,959.01	10.05	9.45	-105.42	-366.41	5,309.84	5,389.80	5,370.33	19.46	276.939		
2,200.00	2,178.17	2,013.96	2,003.88	10.51	9.67	-105.57	-359.57	5,311.00	5,396.45	5,376.33	20.13	268.122		
2,300.00	2,276.88	2,062.94	2,052.32	10.97	9.90	-105.72	-352.51	5,312.71	5,404.14	5,383.33	20.81	259.704		
2,400.00	2,375.59	2,130.00	2,118.65	11.43	10.23	-105.93	-343.05	5,315.63	5,412.78	5,391.20	21.58	250.825		
2,500.00	2,474.31	2,255.61	2,243.03	11.89	10.83	-106.31	-326.19	5,320.31	5,420.92	5,398.28	22.64	239.424		
2,600.00	2,573.02	2,315.00	2,301.83	12.36	11.11	-106.49	-318.33	5,323.11	5,430.07	5,406.69	23.38	232.292		
2,700.00	2,671.73	2,700.00	2,393.58	12.82	13.00	-106.77	-305.75	5,327.32	5,439.40	5,413.70	25.70	211.636		
2,800.00	2,770.44	2,460.92	2,446.20	13.29	11.83	-106.93	-298.21	5,329.65	5,448.97	5,423.98	24.99	218.036		
2,900.00	2,869.15	2,499.00	2,483.80	13.76	12.02	-107.05	-292.61	5,331.92	5,459.89	5,434.27	25.62	213.108		
3,000.00	2,967.86	2,718.06	2,700.32	14.23	13.11	-107.73	-261.20	5,342.80	5,469.80	5,442.61	27.20	201.114		
3,100.00	3,066.57	3,100.00	2,831.39	14.70	14.99	-108.11	-243.78	5,347.71	5,478.90	5,449.38	29.53	185.564		
3,200.00	3,165.28	3,109.98	3,090.11	15.17	14.92	-108.72	-224.56	5,353.31	5,486.45	5,456.50	29.96	183.148		
3,300.00	3,263.99	3,250.89	3,231.01	15.64	15.46	-108.94	-224.87	5,354.15	5,492.29	5,461.32	30.96	177.392		
3,400.00	3,362.70	3,406.95	3,387.04	16.11	16.01	-109.16	-227.73	5,353.56	5,497.05	5,465.06	31.99	171.830		
3,500.00	3,461.41	3,537.81	3,517.89	16.59	16.51	-109.36	-228.42	5,352.23	5,501.37	5,468.42	32.95	166.938		
3,600.00	3,560.12	3,619.20	3,599.27	17.06	16.82	-109.49	-228.28	5,350.91	5,505.20	5,471.46	33.74	163.161		
3,700.00	3,658.84	3,675.00	3,655.07	17.53	17.04	-109.58	-228.06	5,350.62	5,510.00	5,475.57	34.43	160.040		
3,800.00	3,757.55	3,790.46	3,770.52	18.01	17.50	-109.77	-227.47	5,350.33	5,515.26	5,479.90	35.36	155.966		
3,900.00	3,856.26	3,916.91	3,896.97	18.48	18.00	-109.97	-227.19	5,348.97	5,519.65	5,483.32	36.33	151.914		
4,000.00	3,954.97	4,008.49	3,988.55	18.96	18.37	-110.12	-226.86	5,347.95	5,524.09	5,486.93	37.17	148.621		
4,100.00	4,053.68	4,103.45	4,083.50	19.44	18.74	-110.27	-226.82	5,347.02	5,528.69	5,490.68	38.01	145.435		
4,200.00	4,152.39	4,181.26	4,161.30	19.91	19.04	-110.38	-227.26	5,346.42	5,533.51	5,494.73	38.79	142.664		
4,300.00	4,251.10	4,260.31	4,240.35	20.39	19.35	-110.50	-227.78	5,346.15	5,538.78	5,499.22	39.56	140.001		
4,400.00	4,349.81	4,340.85	4,320.89	20.87	19.66	-110.62	-227.96	5,346.11	5,544.40	5,504.06	40.35	137.424		
4,500.00	4,448.52	4,428.44	4,408.48	21.34	20.00	-110.76	-228.08	5,346.35	5,550.38	5,509.22	41.16	134.852		
4,600.00	4,547.23	4,526.32	4,506.36	21.82	20.39	-110.91	-228.21	5,346.65	5,556.44	5,514.42	42.02	132.241		
4,700.00	4,645.94	4,595.29	4,575.33	22.30	20.67	-111.01	-228.18	5,346.96	5,562.72	5,519.96	42.76	130.091		
4,800.00	4,744.65	4,656.00	4,636.03	22.78	20.91	-111.11	-227.67	5,347.77	5,569.88	5,526.41	43.47	128.132		
4,900.00	4,843.37	4,724.93	4,704.94	23.26	21.20	-111.23	-226.45	5,349.07	5,577.68	5,533.46	44.22	126.132		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	4,860.83	4,840.77	23.74	21.78	-111.48	-222.60	5,350.98	5,585.20	5,539.92	45.28	123.356		
5,100.00	5,040.79	5,100.00	4,963.85	24.21	22.73	-111.66	-222.90	5,352.63	5,592.50	5,545.79	46.71	119.728		
5,200.00	5,139.50	5,175.85	5,155.70	24.69	23.02	-111.91	-227.30	5,352.67	5,598.05	5,550.56	47.49	117.880		
5,300.00	5,238.21	5,288.97	5,268.80	25.17	23.46	-112.06	-229.55	5,351.94	5,603.27	5,554.86	48.41	115.750		
5,400.00	5,336.92	5,407.51	5,387.31	25.65	23.93	-112.22	-231.52	5,350.70	5,608.14	5,558.79	49.35	113.632		
5,500.00	5,435.63	5,500.14	5,479.93	26.13	24.30	-112.35	-232.56	5,349.62	5,613.00	5,562.80	50.20	111.819		
5,600.00	5,534.34	5,571.45	5,551.24	26.61	24.59	-112.45	-233.45	5,348.94	5,618.12	5,567.17	50.95	110.259		
5,700.00	5,633.05	5,637.00	5,616.77	27.09	24.85	-112.53	-234.87	5,348.98	5,624.06	5,572.38	51.68	108.818		
5,800.00	5,731.76	5,707.76	5,687.50	27.57	25.13	-112.62	-236.84	5,349.45	5,630.59	5,578.16	52.43	107.389		
5,900.00	5,830.47	5,874.45	5,854.11	28.05	25.79	-112.82	-241.86	5,349.68	5,636.68	5,583.10	53.58	105.200		
6,000.00	5,929.18	6,030.69	6,010.30	28.53	26.42	-113.02	-245.09	5,347.79	5,641.50	5,586.81	54.69	103.156		
6,100.00	6,027.90	6,113.43	6,093.02	29.01	26.76	-113.14	-246.37	5,346.40	5,646.02	5,590.52	55.50	101.731		
6,200.00	6,126.61	6,173.00	6,152.59	29.49	27.00	-113.22	-246.85	5,345.74	5,651.17	5,594.96	56.21	100.531		
6,300.00	6,225.32	6,290.18	6,269.75	29.97	27.48	-113.39	-248.05	5,344.23	5,656.10	5,598.93	57.17	98.935		
6,311.21	6,236.38	6,294.80	6,274.37	30.03	27.50	-113.39	-248.11	5,344.18	5,656.69	5,599.45	57.24	98.822		
6,350.00	6,274.70	6,310.80	6,290.37	30.21	27.57	-91.41	-248.29	5,344.06	5,657.67	5,600.18	57.49	98.419		
6,400.00	6,324.03	6,351.00	6,330.56	30.43	27.73	-65.85	-248.66	5,344.03	5,655.77	5,597.90	57.87	97.726		
6,450.00	6,373.00	6,351.00	6,330.56	30.65	27.73	-49.03	-248.66	5,344.03	5,650.09	5,592.02	58.08	97.289		
6,500.00	6,421.31	6,379.97	6,359.53	30.84	27.85	-38.97	-248.87	5,344.20	5,640.86	5,582.47	58.39	96.612		
6,550.00	6,468.66	6,407.32	6,386.88	31.03	27.96	-32.74	-249.02	5,344.46	5,628.01	5,569.33	58.68	95.914		
6,600.00	6,514.76	6,441.00	6,420.56	31.20	28.10	-28.72	-249.16	5,344.90	5,611.62	5,552.64	58.98	95.137		
6,650.00	6,559.32	6,441.00	6,420.56	31.37	28.10	-25.95	-249.16	5,344.90	5,591.82	5,532.69	59.13	94.572		
6,700.00	6,602.08	6,441.00	6,420.56	31.52	28.10	-24.06	-249.16	5,344.90	5,568.87	5,509.61	59.26	93.978		
6,750.00	6,642.77	6,441.00	6,420.56	31.65	28.10	-22.78	-249.16	5,344.90	5,542.86	5,483.49	59.37	93.358		
6,800.00	6,681.13	6,475.57	6,455.12	31.78	28.24	-22.07	-249.17	5,345.80	5,513.44	5,453.80	59.64	92.448		
6,850.00	6,716.93	6,483.81	6,463.35	31.89	28.28	-21.68	-249.14	5,346.13	5,481.45	5,421.68	59.77	91.709		
6,900.00	6,749.95	6,491.53	6,471.07	31.99	28.31	-21.64	-249.10	5,346.47	5,446.78	5,386.89	59.89	90.949		
6,950.00	6,779.98	6,530.00	6,509.46	32.08	28.47	-22.12	-248.76	5,348.72	5,410.00	5,349.85	60.15	89.949		
7,000.00	6,806.85	6,530.00	6,509.46	32.16	28.47	-22.82	-248.76	5,348.72	5,370.35	5,310.14	60.21	89.195		
7,050.00	6,830.38	6,530.00	6,509.46	32.24	28.47	-23.98	-248.76	5,348.72	5,328.63	5,268.37	60.26	88.420		
7,100.00	6,850.43	6,530.00	6,509.46	32.35	28.47	-25.75	-248.76	5,348.72	5,285.06	5,224.75	60.31	87.627		
7,150.00	6,866.88	6,530.00	6,509.46	32.59	28.47	-28.39	-248.76	5,348.72	5,239.86	5,179.51	60.36	86.816		
7,200.00	6,879.62	6,530.00	6,509.46	32.99	28.47	-32.40	-248.76	5,348.72	5,193.27	5,132.88	60.39	85.991		
7,250.00	6,888.58	6,530.00	6,509.46	33.48	28.47	-38.74	-248.76	5,348.72	5,145.55	5,085.12	60.43	85.152		
7,300.00	6,893.70	6,530.00	6,509.46	34.02	28.47	-49.38	-248.76	5,348.72	5,096.95	5,036.49	60.46	84.304		
7,339.40	6,895.01	6,530.00	6,509.46	34.48	28.47	-63.28	-248.76	5,348.72	5,058.23	4,997.74	60.48	83.628		
7,400.00	6,895.16	6,530.00	6,509.46	35.24	28.47	-63.28	-248.76	5,348.72	4,998.47	4,937.95	60.52	82.589		
7,500.00	6,895.43	6,530.00	6,509.46	36.64	28.47	-63.28	-248.76	5,348.72	4,899.91	4,839.32	60.59	80.869		
7,600.00	6,895.69	6,530.00	6,509.46	38.20	28.47	-63.28	-248.76	5,348.72	4,801.40	4,740.73	60.67	79.139		
7,700.00	6,895.95	6,530.00	6,509.46	39.91	28.47	-63.28	-248.76	5,348.72	4,702.96	4,642.20	60.76	77.399		
7,800.00	6,896.21	6,530.00	6,509.46	41.75	28.47	-63.28	-248.76	5,348.72	4,604.58	4,543.72	60.87	75.650		
7,900.00	6,896.47	6,530.00	6,509.46	43.69	28.47	-63.28	-248.76	5,348.72	4,506.28	4,445.29	60.99	73.890		
8,000.00	6,896.74	6,530.00	6,509.46	45.73	28.47	-63.28	-248.76	5,348.72	4,408.05	4,346.93	61.12	72.120		
8,100.00	6,897.00	6,530.00	6,509.46	47.85	28.47	-63.28	-248.76	5,348.72	4,309.90	4,248.63	61.27	70.339		
8,200.00	6,897.26	6,530.00	6,509.46	50.04	28.47	-63.28	-248.76	5,348.72	4,211.85	4,150.40	61.44	68.547		
8,300.00	6,897.52	6,530.00	6,509.46	52.30	28.47	-63.28	-248.76	5,348.72	4,113.88	4,052.24	61.64	66.744		
8,400.00	6,897.78	6,530.00	6,509.46	54.61	28.47	-63.28	-248.76	5,348.72	4,016.01	3,954.16	61.85	64.930		
8,500.00	6,898.05	6,530.00	6,509.46	56.98	28.47	-63.28	-248.76	5,348.72	3,918.26	3,856.16	62.09	63.104		
8,600.00	6,898.31	6,530.00	6,509.46	59.38	28.47	-63.28	-248.76	5,348.72	3,820.61	3,758.25	62.36	61.267		
8,700.00	6,898.57	6,530.00	6,509.46	61.82	28.47	-63.28	-248.76	5,348.72	3,723.10	3,660.44	62.66	59.419		
8,800.00	6,898.83	6,530.00	6,509.46	64.30	28.47	-63.28	-248.76	5,348.72	3,625.72	3,562.73	62.99	57.559		
8,900.00	6,899.10	6,530.00	6,509.46	66.81	28.47	-63.28	-248.76	5,348.72	3,528.48	3,465.12	63.36	55.688		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	6,530.00	6,509.46	69.34	28.47	-63.28	-248.76	5,348.72	3,431.41	3,367.63	63.77	53.806		
9,100.00	6,899.62	6,530.00	6,509.46	71.90	28.47	-63.28	-248.76	5,348.72	3,334.50	3,270.27	64.23	51.914		
9,200.00	6,899.88	6,530.00	6,509.46	74.48	28.47	-63.28	-248.76	5,348.72	3,237.79	3,173.05	64.74	50.012		
9,300.00	6,900.14	6,530.00	6,509.46	77.08	28.47	-63.28	-248.76	5,348.72	3,141.28	3,075.97	65.31	48.101		
9,400.00	6,900.41	6,530.00	6,509.46	79.70	28.47	-63.28	-248.76	5,348.72	3,045.00	2,979.06	65.93	46.182		
9,500.00	6,900.67	6,564.26	6,543.57	82.33	28.62	-65.42	-248.30	5,351.87	2,948.04	2,881.18	66.86	44.096		
9,600.00	6,900.93	6,566.82	6,546.12	84.97	28.63	-65.58	-248.26	5,352.16	2,852.12	2,784.47	67.65	42.158		
9,700.00	6,901.19	6,569.53	6,548.81	87.63	28.64	-65.75	-248.22	5,352.48	2,756.49	2,687.95	68.54	40.218		
9,800.00	6,901.45	6,572.41	6,551.66	90.31	28.65	-65.94	-248.17	5,352.83	2,661.16	2,591.64	69.52	38.277		
9,900.00	6,901.72	6,575.45	6,554.68	92.99	28.66	-66.13	-248.12	5,353.22	2,566.18	2,495.56	70.62	36.339		
10,000.00	6,901.98	6,578.68	6,557.88	95.68	28.68	-66.34	-248.07	5,353.63	2,471.57	2,399.74	71.84	34.406		
10,100.00	6,902.24	6,582.12	6,561.29	98.38	28.69	-66.56	-248.02	5,354.09	2,377.39	2,304.20	73.19	32.482		
10,200.00	6,902.50	6,585.78	6,564.92	101.09	28.71	-66.80	-247.95	5,354.60	2,283.68	2,208.98	74.70	30.570		
10,300.00	6,902.76	6,619.00	6,597.70	103.81	28.85	-68.97	-247.35	5,359.93	2,191.22	2,114.62	76.60	28.608		
10,400.00	6,903.03	6,619.00	6,597.70	106.53	28.85	-68.97	-247.35	5,359.93	2,098.45	2,020.00	78.45	26.749		
10,500.00	6,903.29	6,619.00	6,597.70	109.26	28.85	-68.97	-247.35	5,359.93	2,006.38	1,925.86	80.52	24.918		
10,600.00	6,903.55	6,619.00	6,597.70	112.00	28.85	-68.97	-247.35	5,359.93	1,915.11	1,832.28	82.83	23.120		
10,700.00	6,903.81	6,619.00	6,597.70	114.75	28.85	-68.97	-247.35	5,359.93	1,824.75	1,739.34	85.42	21.363		
10,800.00	6,904.08	6,619.00	6,597.70	117.49	28.85	-68.97	-247.35	5,359.93	1,735.46	1,647.14	88.31	19.652		
10,900.00	6,904.34	6,622.28	6,600.92	120.25	28.86	-69.18	-247.29	5,360.53	1,647.38	1,555.80	91.58	17.989		
11,000.00	6,904.60	6,640.20	6,618.53	123.00	28.94	-70.38	-247.12	5,363.88	1,560.61	1,465.24	95.36	16.365		
11,100.00	6,904.86	6,659.76	6,637.70	125.77	29.02	-71.69	-247.22	5,367.69	1,475.26	1,375.67	99.59	14.813		
11,200.00	6,905.12	6,681.15	6,658.64	128.53	29.11	-73.14	-247.68	5,372.06	1,391.57	1,287.25	104.32	13.340		
11,300.00	6,905.39	6,704.64	6,681.57	131.30	29.21	-74.74	-248.59	5,377.09	1,309.80	1,200.22	109.58	11.953		
11,400.00	6,905.65	6,708.00	6,684.84	134.08	29.22	-74.97	-248.76	5,377.83	1,230.46	1,115.10	115.36	10.666		
11,500.00	6,905.91	6,730.94	6,707.12	136.85	29.31	-76.56	-249.95	5,383.16	1,153.92	1,032.05	121.87	9.468		
11,600.00	6,906.17	6,745.26	6,720.96	139.63	29.37	-77.55	-250.73	5,386.75	1,081.00	951.96	129.03	8.378		
11,700.00	6,906.43	6,761.33	6,736.43	142.42	29.44	-78.68	-251.63	5,391.02	1,012.32	875.43	136.89	7.395		
11,800.00	6,906.70	6,779.45	6,753.78	145.20	29.51	-79.96	-252.67	5,396.13	948.72	803.36	145.36	6.527		
11,900.00	6,906.96	6,797.00	6,770.49	147.99	29.58	-81.20	-253.72	5,401.39	891.20	736.90	154.30	5.776		
12,000.00	6,907.22	6,816.94	6,789.31	150.78	29.66	-82.61	-254.89	5,407.86	840.97	677.55	163.41	5.146		
12,100.00	6,907.48	6,838.18	6,809.11	153.57	29.74	-84.11	-256.10	5,415.46	799.30	627.04	172.27	4.640		
12,200.00	6,907.74	6,864.07	6,832.85	156.37	29.85	-85.93	-257.48	5,425.69	767.31	587.02	180.29	4.256		
12,300.00	6,908.01	6,886.00	6,852.59	159.17	29.94	-87.45	-258.58	5,435.18	745.90	559.02	186.88	3.991		
12,400.00	6,908.27	6,929.41	6,890.36	161.97	30.12	-90.39	-260.33	5,456.47	735.34	543.73	191.61	3.838		
12,448.08	6,908.39	6,949.68	6,907.30	163.31	30.21	-91.71	-260.90	5,467.59	734.14	541.00	193.15	3.801 CC		
12,500.00	6,908.53	6,974.84	6,927.63	164.77	30.32	-93.29	-261.37	5,482.39	735.47	541.18	194.29	3.785		
12,600.00	6,908.79	7,017.46	6,960.56	167.57	30.54	-95.84	-261.17	5,509.43	745.47	550.35	195.12	3.821		
12,700.00	6,909.06	7,068.62	6,997.69	170.38	30.83	-98.66	-258.87	5,544.53	764.47	569.90	194.57	3.929		
12,800.00	6,909.32	7,153.48	7,055.17	173.18	31.42	-102.87	-253.24	5,606.69	789.51	595.60	193.91	4.072		
12,900.00	6,909.58	7,251.83	7,114.92	175.99	32.29	-106.99	-245.30	5,684.33	817.71	624.26	193.45	4.227		
13,000.00	6,909.84	7,564.92	7,216.38	178.80	36.53	-113.32	-229.23	5,976.82	833.88	633.88	200.00	4.169		
13,100.00	6,910.10	7,691.71	7,228.88	181.61	38.87	-114.11	-230.08	6,102.93	836.94	633.04	203.90	4.105		
13,200.00	6,910.37	7,796.78	7,232.67	184.42	40.99	-114.33	-230.05	6,207.92	838.20	630.05	208.15	4.027		
13,300.00	6,910.63	7,903.01	7,234.50	187.24	43.31	-114.41	-229.19	6,314.13	839.44	626.65	212.78	3.945		
13,400.00	6,910.89	8,009.69	7,232.60	190.05	45.79	-114.24	-228.05	6,420.79	839.44	621.54	217.90	3.852		
13,500.00	6,911.15	8,117.15	7,229.70	192.87	48.43	-114.03	-227.29	6,528.20	838.76	615.54	223.22	3.758		
13,600.00	6,911.41	8,212.45	7,229.43	195.68	50.87	-114.00	-227.30	6,623.50	838.38	610.23	228.15	3.675		
13,700.00	6,911.68	8,333.43	7,228.36	198.50	54.07	-114.01	-230.42	6,744.43	835.21	601.63	233.58	3.576		
13,800.00	6,911.94	8,440.10	7,228.98	201.32	56.98	-114.12	-233.65	6,851.04	832.50	593.88	238.62	3.489		
13,900.00	6,912.20	8,531.48	7,229.11	204.14	59.53	-114.22	-237.38	6,942.34	828.65	585.15	243.50	3.403		
14,000.00	6,912.46	8,620.99	7,229.72	206.96	62.07	-114.31	-239.47	7,031.83	826.55	578.17	248.38	3.328		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-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		
14,100.00	6,912.72	8,720.81	7,228.53	209.78	64.94	-114.25	-240.31	7,131.64	825.07	571.33	253.74	3.252		
14,199.75	6,912.99	8,807.61	7,226.50	212.60	67.48	-114.10	-240.04	7,218.41	824.19	565.21	258.98	3.182		
14,200.00	6,912.99	8,807.82	7,226.49	212.61	67.49	-114.10	-240.04	7,218.62	824.19	565.19	259.00	3.182		
14,300.00	6,913.25	8,882.54	7,225.24	215.43	69.69	-113.95	-238.14	7,293.30	825.63	561.82	263.81	3.130		
14,400.00	6,913.51	8,979.33	7,223.76	218.26	72.56	-113.71	-233.20	7,389.95	829.44	559.97	269.48	3.078		
14,500.00	6,913.77	9,082.42	7,221.58	221.08	75.65	-113.43	-228.40	7,492.91	832.63	557.15	275.48	3.022		
14,600.00	6,914.04	9,189.44	7,220.76	223.91	78.90	-113.25	-224.24	7,599.84	835.70	554.23	281.47	2.969		
14,700.00	6,914.30	9,329.86	7,218.35	226.73	83.19	-113.10	-225.07	7,740.21	833.75	545.50	288.24	2.893		
14,800.00	6,914.56	9,439.75	7,216.68	229.56	86.58	-113.05	-227.65	7,850.07	830.79	536.80	293.99	2.826		
14,900.00	6,914.82	9,524.04	7,215.32	232.39	89.20	-113.00	-229.53	7,934.32	827.89	528.57	299.31	2.766		
15,000.00	6,915.08	9,626.56	7,214.39	235.22	92.40	-112.97	-231.01	8,036.83	825.98	521.03	304.95	2.709		
15,100.00	6,915.35	9,706.82	7,214.73	238.05	94.91	-113.00	-231.78	8,117.08	825.03	515.07	309.96	2.662		
15,141.20	6,915.45	9,754.91	7,215.33	239.21	96.42	-113.04	-231.97	8,165.17	825.00	512.65	312.35	2.641		
15,200.00	6,915.61	9,824.67	7,215.82	240.88	98.62	-113.09	-233.06	8,234.92	824.17	508.41	315.76	2.610		
15,300.00	6,915.87	9,923.67	7,214.69	243.71	101.75	-113.05	-234.84	8,333.89	821.85	500.47	321.37	2.557		
15,400.00	6,916.13	10,010.70	7,214.64	246.54	104.50	-113.05	-235.41	8,420.91	820.98	494.34	326.63	2.513		
15,500.00	6,916.39	10,115.32	7,215.73	249.37	107.83	-113.13	-235.94	8,525.53	820.71	488.53	332.18	2.471		
15,600.00	6,916.66	10,219.33	7,217.02	252.20	111.15	-113.24	-237.75	8,629.51	819.36	481.76	337.60	2.427		
15,700.00	6,916.92	10,347.28	7,217.69	255.03	115.24	-113.37	-241.34	8,757.41	816.89	473.53	343.35	2.379		
15,800.00	6,917.18	10,454.87	7,216.12	257.87	118.69	-113.42	-247.44	8,864.81	810.82	461.94	348.88	2.324		
15,900.00	6,917.44	10,527.18	7,214.74	260.70	121.01	-113.39	-249.78	8,937.06	806.85	452.64	354.21	2.278		
15,971.11	6,917.63	10,579.94	7,214.55	262.72	122.70	-113.39	-250.23	8,989.82	806.04	448.27	357.78	2.253		
16,000.00	6,917.70	10,604.00	7,214.89	263.53	123.48	-113.40	-250.17	9,013.87	806.18	446.97	359.21	2.244		
16,100.00	6,917.97	10,687.03	7,216.34	266.37	126.15	-113.45	-248.91	9,096.88	808.02	443.93	364.09	2.219		
16,200.00	6,918.23	10,802.24	7,216.80	269.20	129.86	-113.39	-246.28	9,212.05	810.08	439.70	370.39	2.187		
16,290.85	6,918.47	10,899.74	7,216.21	271.78	133.01	-113.34	-246.36	9,309.55	809.53	433.72	375.81	2.154		
16,300.00	6,918.49	10,905.89	7,216.24	272.04	133.21	-113.34	-246.35	9,315.70	809.54	433.31	376.23	2.152		
16,400.00	6,918.75	10,976.56	7,217.67	274.87	135.49	-113.39	-244.92	9,386.34	811.90	431.29	380.61	2.133		
16,500.00	6,919.02	11,075.77	7,219.82	277.71	138.70	-113.39	-240.54	9,485.42	816.58	430.40	386.18	2.115		
16,600.00	6,919.28	11,187.78	7,220.53	280.55	142.32	-113.35	-237.92	9,597.40	818.62	426.18	392.43	2.086		
16,700.00	6,919.54	11,290.83	7,222.27	283.38	145.66	-113.36	-234.85	9,700.38	821.82	423.67	398.15	2.064		
16,800.00	6,919.80	11,410.30	7,223.22	286.22	149.54	-113.37	-233.75	9,819.84	822.73	418.34	404.39	2.035		
16,900.00	6,920.06	11,527.67	7,224.43	289.06	153.37	-113.48	-235.15	9,937.20	821.87	411.72	410.15	2.004		
17,000.00	6,920.33	11,643.44	7,225.80	291.90	157.14	-113.69	-240.17	10,052.85	818.07	402.66	415.41	1.969		
17,100.00	6,920.59	11,737.51	7,226.56	294.73	160.21	-113.84	-244.30	10,146.82	814.15	393.59	420.56	1.936		
17,200.00	6,920.85	11,825.87	7,227.32	297.57	163.10	-113.96	-247.13	10,235.13	811.36	385.67	425.68	1.906		
17,300.00	6,921.11	11,924.17	7,227.48	300.41	166.31	-114.01	-248.81	10,333.41	809.63	378.48	431.15	1.878		
17,395.50	6,921.36	12,005.00	7,224.78	303.12	168.96	-113.83	-249.30	10,414.19	807.77	371.10	436.67	1.850		
17,400.00	6,921.37	12,005.00	7,224.78	303.25	168.96	-113.83	-249.30	10,414.19	807.78	370.99	436.79	1.849 ES, SF		
17,500.00	6,921.64	12,005.00	7,224.78	306.09	168.96	-113.83	-249.30	10,414.19	814.50	378.52	435.98	1.868		
17,600.00	6,921.90	12,005.00	7,224.78	308.93	168.96	-113.83	-249.30	10,414.19	833.25	404.17	429.08	1.942		
17,638.91	6,922.00	12,005.00	7,224.78	310.03	168.96	-113.83	-249.30	10,414.19	843.64	418.69	424.96	1.985		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.69	-523.30	5,251.39	5,277.45					
100.00	100.00	131.63	131.63	3.28	3.29	95.69	-523.62	5,250.67	5,277.00	5,270.42	6.58	802.226		
200.00	200.00	228.60	228.58	3.34	3.34	95.70	-523.93	5,249.48	5,275.82	5,269.14	6.68	790.365		
277.34	277.33	282.17	282.15	3.41	3.39	-101.27	-523.48	5,249.11	5,275.43	5,268.63	6.80	775.804		
300.00	299.98	295.93	295.91	3.44	3.40	-101.28	-523.27	5,249.07	5,275.46	5,268.62	6.84	770.974		
400.00	399.84	364.00	363.96	3.59	3.49	-101.31	-521.60	5,249.27	5,276.51	5,269.43	7.08	745.175		
500.00	499.45	428.76	428.66	3.79	3.60	-101.36	-518.85	5,249.99	5,278.88	5,271.50	7.39	714.734		
600.00	598.70	505.61	505.34	4.04	3.75	-101.44	-514.06	5,251.32	5,282.45	5,274.67	7.78	678.904		
660.50	658.52	553.85	553.45	4.20	3.86	-101.50	-510.59	5,252.34	5,285.15	5,277.10	8.06	656.006		
700.00	697.51	600.63	600.08	4.31	3.97	-101.62	-506.99	5,253.35	5,287.03	5,278.74	8.29	637.944		
800.00	796.22	693.17	692.29	4.63	4.22	-101.86	-499.44	5,255.26	5,291.72	5,282.86	8.86	597.501		
900.00	894.93	776.71	775.46	4.98	4.48	-102.08	-491.90	5,257.33	5,296.82	5,287.37	9.45	560.325		
1,000.00	993.64	881.45	879.62	5.34	4.83	-102.38	-481.21	5,260.04	5,302.08	5,291.91	10.17	521.526		
1,100.00	1,092.35	989.93	987.30	5.73	5.22	-102.70	-468.35	5,262.70	5,307.23	5,296.29	10.94	485.005		
1,200.00	1,191.06	1,115.82	1,112.24	6.13	5.71	-103.07	-453.08	5,265.40	5,312.22	5,300.39	11.83	449.100		
1,300.00	1,289.78	1,229.77	1,225.23	6.54	6.18	-103.42	-438.45	5,266.97	5,316.51	5,303.81	12.71	418.457		
1,400.00	1,388.49	1,301.00	1,295.85	6.95	6.48	-103.64	-429.25	5,268.25	5,321.39	5,307.97	13.42	396.414		
1,500.00	1,487.20	1,684.09	1,676.11	7.38	8.16	-104.75	-383.69	5,264.99	5,323.70	5,308.18	15.52	343.011		
1,600.00	1,585.91	1,761.00	1,752.58	7.81	8.49	-104.96	-376.03	5,262.26	5,323.89	5,307.60	16.29	326.850		
1,700.00	1,684.62	1,799.47	1,790.84	8.25	8.66	-105.07	-372.19	5,261.18	5,324.99	5,308.09	16.90	315.156		
1,800.00	1,783.33	1,853.00	1,844.13	8.70	8.89	-105.21	-367.16	5,260.60	5,327.52	5,309.95	17.57	303.143		
1,900.00	1,882.04	1,875.46	1,866.49	9.15	8.99	-105.27	-365.06	5,260.60	5,331.05	5,312.93	18.12	294.221		
2,000.00	1,980.75	1,945.00	1,935.64	9.60	9.31	-105.46	-357.72	5,260.89	5,335.50	5,316.62	18.88	282.619		
2,100.00	2,079.46	2,168.49	2,157.73	10.05	10.33	-106.09	-333.09	5,258.69	5,338.14	5,317.79	20.36	262.225		
2,200.00	2,178.17	2,222.00	2,210.88	10.51	10.58	-106.24	-326.80	5,258.35	5,341.53	5,320.47	21.06	253.626		
2,300.00	2,276.88	2,300.00	2,272.02	10.97	10.94	-106.42	-320.07	5,258.18	5,345.59	5,323.71	21.88	244.347		
2,400.00	2,375.59	2,438.39	2,425.94	11.43	11.58	-106.85	-302.95	5,256.58	5,349.02	5,326.04	22.98	232.761		
2,500.00	2,474.31	2,516.48	2,503.56	11.89	11.95	-107.07	-294.46	5,255.55	5,352.46	5,328.65	23.81	224.836		
2,600.00	2,573.02	2,565.21	2,551.99	12.36	12.18	-107.20	-289.07	5,255.27	5,356.72	5,332.22	24.49	218.700		
2,700.00	2,671.73	2,663.02	2,649.12	12.82	12.64	-107.48	-277.60	5,255.36	5,361.75	5,336.33	25.42	210.927		
2,800.00	2,770.44	2,806.92	2,791.99	13.29	13.33	-107.90	-260.38	5,254.49	5,366.25	5,339.67	26.57	201.933		
2,900.00	2,869.15	2,943.91	2,928.08	13.76	13.98	-108.28	-244.95	5,252.50	5,370.04	5,342.35	27.69	193.929		
3,000.00	2,967.86	3,007.90	2,991.68	14.23	14.29	-108.46	-238.01	5,251.48	5,373.87	5,345.41	28.46	188.824		
3,100.00	3,066.57	3,080.20	3,063.48	14.70	14.63	-108.67	-229.45	5,250.88	5,378.50	5,349.24	29.27	183.759		
3,200.00	3,165.28	3,137.00	3,119.92	15.17	14.90	-108.83	-223.08	5,250.40	5,383.47	5,353.46	30.00	179.426		
3,300.00	3,263.99	3,198.24	3,180.77	15.64	15.20	-109.00	-216.24	5,250.31	5,389.20	5,358.44	30.76	175.212		
3,400.00	3,362.70	3,278.79	3,260.78	16.11	15.58	-109.22	-206.91	5,251.19	5,396.06	5,364.45	31.61	170.724		
3,500.00	3,461.41	3,415.93	3,397.21	16.59	16.23	-109.59	-193.06	5,251.97	5,402.49	5,369.76	32.73	165.080		
3,600.00	3,560.12	3,468.60	3,449.63	17.06	16.48	-109.72	-187.93	5,252.37	5,409.20	5,375.76	33.43	161.797		
3,700.00	3,658.84	3,573.52	3,553.96	17.53	16.97	-110.01	-176.88	5,253.55	5,416.46	5,382.06	34.40	157.464		
3,800.00	3,757.55	3,673.00	3,652.89	18.01	17.44	-110.27	-166.48	5,253.93	5,423.08	5,387.74	35.34	153.466		
3,900.00	3,856.26	3,725.06	3,704.68	18.48	17.69	-110.41	-161.24	5,254.32	5,430.40	5,394.36	36.04	150.673		
4,000.00	3,954.97	3,762.00	3,741.38	18.96	17.87	-110.51	-157.10	5,255.15	5,439.06	5,402.39	36.66	148.346		
4,100.00	4,053.68	3,845.65	3,824.40	19.44	18.27	-110.74	-147.13	5,257.54	5,448.52	5,410.99	37.53	145.170		
4,200.00	4,152.39	3,989.49	3,967.07	19.91	18.98	-111.15	-129.13	5,260.93	5,457.70	5,418.98	38.72	140.951		
4,300.00	4,251.10	4,159.20	4,135.71	20.39	19.80	-111.61	-110.31	5,263.28	5,465.97	5,425.94	40.02	136.566		
4,400.00	4,349.81	4,253.07	4,229.10	20.87	20.24	-111.85	-100.90	5,263.92	5,473.58	5,432.64	40.93	133.715		
4,500.00	4,448.52	4,315.50	4,291.20	21.34	20.54	-112.02	-94.52	5,264.59	5,481.72	5,440.03	41.69	131.492		
4,600.00	4,547.23	4,365.38	4,340.78	21.82	20.78	-112.15	-89.18	5,265.51	5,490.72	5,448.34	42.38	129.567		
4,700.00	4,645.94	4,579.00	4,553.45	22.30	21.78	-112.67	-69.57	5,268.64	5,499.46	5,455.58	43.88	125.341		
4,800.00	4,744.65	4,718.93	4,692.94	22.78	22.41	-113.00	-58.38	5,268.45	5,506.42	5,461.42	44.99	122.387		
4,900.00	4,843.37	4,776.03	4,749.87	23.26	22.68	-113.13	-54.20	5,268.40	5,513.57	5,467.86	45.71	120.613		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,942.08	4,832.00	4,805.63	23.74	22.93	-113.27	-49.34	5,268.91	5,521.77	5,475.35	46.43	118.937		
5,100.00	5,040.79	4,929.71	4,902.90	24.21	23.39	-113.51	-40.14	5,270.08	5,530.54	5,483.19	47.35	116.798		
5,200.00	5,139.50	5,309.31	5,281.84	24.69	25.00	-114.26	-23.28	5,265.19	5,535.60	5,486.13	49.47	111.900		
5,300.00	5,238.21	5,397.36	5,369.84	25.17	25.34	-114.40	-23.05	5,262.64	5,539.40	5,489.12	50.28	110.168		
5,400.00	5,336.92	5,484.13	5,456.58	25.65	25.67	-114.54	-22.83	5,260.16	5,543.29	5,492.21	51.09	108.507		
5,500.00	5,435.63	5,547.00	5,519.44	26.13	25.91	-114.63	-22.99	5,258.77	5,547.77	5,495.97	51.80	107.102		
5,600.00	5,534.34	5,627.39	5,599.81	26.61	26.21	-114.75	-23.39	5,257.41	5,552.76	5,500.19	52.57	105.618		
5,700.00	5,633.05	5,724.05	5,696.46	27.09	26.58	-114.90	-23.79	5,255.94	5,557.98	5,504.57	53.41	104.057		
5,800.00	5,731.76	5,866.28	5,838.66	27.57	27.12	-115.11	-24.46	5,253.21	5,562.83	5,508.40	54.43	102.201		
5,900.00	5,830.47	5,968.75	5,941.09	28.05	27.51	-115.25	-25.71	5,250.87	5,567.24	5,511.95	55.29	100.693		
6,000.00	5,929.18	5,992.00	5,964.34	28.53	27.59	-115.28	-26.11	5,250.37	5,572.26	5,516.41	55.84	99.784		
6,100.00	6,027.90	6,052.26	6,024.59	29.01	27.83	-115.37	-26.71	5,249.63	5,578.07	5,521.53	56.54	98.653		
6,200.00	6,126.61	6,082.00	6,054.33	29.49	27.94	-115.41	-26.63	5,249.66	5,585.24	5,528.13	57.11	97.798		
6,300.00	6,225.32	6,128.06	6,100.39	29.97	28.12	-115.48	-26.48	5,250.21	5,593.50	5,535.76	57.74	96.872		
6,311.21	6,236.38	6,132.61	6,104.94	30.03	28.14	-115.49	-26.48	5,250.30	5,594.49	5,536.68	57.81	96.776		
6,350.00	6,274.70	6,148.38	6,120.70	30.21	28.20	-93.48	-26.51	5,250.65	5,596.86	5,538.82	58.04	96.431		
6,400.00	6,324.03	6,171.00	6,143.31	30.43	28.29	-67.88	-26.63	5,251.27	5,596.71	5,538.37	58.34	95.933		
6,450.00	6,373.00	6,249.46	6,221.74	30.65	28.59	-51.18	-26.99	5,253.39	5,592.71	5,533.84	58.87	95.004		
6,500.00	6,421.31	6,260.00	6,232.28	30.84	28.63	-41.10	-27.00	5,253.64	5,584.83	5,525.75	59.09	94.520		
6,550.00	6,468.66	6,260.00	6,232.28	31.03	28.63	-34.84	-27.00	5,253.64	5,573.58	5,514.33	59.24	94.081		
6,600.00	6,514.76	6,260.00	6,232.28	31.20	28.63	-30.78	-27.00	5,253.64	5,558.99	5,499.61	59.38	93.613		
6,650.00	6,559.32	6,260.00	6,232.28	31.37	28.63	-28.05	-27.00	5,253.64	5,541.15	5,481.64	59.51	93.114		
6,700.00	6,602.08	6,260.00	6,232.28	31.52	28.63	-26.19	-27.00	5,253.64	5,520.12	5,460.50	59.62	92.586		
6,750.00	6,642.77	6,260.00	6,232.28	31.65	28.63	-24.97	-27.00	5,253.64	5,496.01	5,436.29	59.72	92.028		
6,800.00	6,681.13	6,260.00	6,232.28	31.78	28.63	-24.22	-27.00	5,253.64	5,468.91	5,409.10	59.81	91.440		
6,850.00	6,716.93	6,260.00	6,232.28	31.89	28.63	-23.86	-27.00	5,253.64	5,438.96	5,379.08	59.89	90.823		
6,900.00	6,749.95	6,260.00	6,232.28	31.99	28.63	-23.86	-27.00	5,253.64	5,406.30	5,346.34	59.95	90.176		
6,950.00	6,779.98	6,260.00	6,232.28	32.08	28.63	-24.22	-27.00	5,253.64	5,371.07	5,311.06	60.01	89.501		
7,000.00	6,806.85	6,260.00	6,232.28	32.16	28.63	-24.95	-27.00	5,253.64	5,333.44	5,273.38	60.06	88.798		
7,050.00	6,830.38	6,301.70	6,273.89	32.24	28.79	-26.42	-27.20	5,256.28	5,291.80	5,231.48	60.32	87.730		
7,100.00	6,850.43	6,303.96	6,276.13	32.35	28.80	-28.24	-27.22	5,256.52	5,249.75	5,189.37	60.37	86.954		
7,150.00	6,866.88	6,305.94	6,278.10	32.59	28.81	-30.84	-27.24	5,256.74	5,205.91	5,145.49	60.42	86.157		
7,200.00	6,879.62	6,307.62	6,279.77	32.99	28.81	-34.57	-27.25	5,256.93	5,160.53	5,100.06	60.47	85.340		
7,250.00	6,888.58	6,308.99	6,281.13	33.48	28.82	-40.05	-27.26	5,257.09	5,113.84	5,053.32	60.51	84.506		
7,300.00	6,893.70	6,349.00	6,320.63	34.02	28.97	-49.58	-27.74	5,263.36	5,067.68	5,006.93	60.76	83.408		
7,339.40	6,895.01	6,349.00	6,320.63	34.48	28.97	-59.74	-27.74	5,263.36	5,029.46	4,968.67	60.79	82.735		
7,400.00	6,895.16	6,349.00	6,320.63	35.24	28.97	-59.74	-27.74	5,263.36	4,970.40	4,909.56	60.84	81.696		
7,500.00	6,895.43	6,349.00	6,320.63	36.64	28.97	-59.74	-27.74	5,263.36	4,873.02	4,812.09	60.93	79.973		
7,600.00	6,895.69	6,349.00	6,320.63	38.20	28.97	-59.74	-27.74	5,263.36	4,775.75	4,714.71	61.04	78.235		
7,700.00	6,895.95	6,349.00	6,320.63	39.91	28.97	-59.74	-27.74	5,263.36	4,678.60	4,617.43	61.17	76.482		
7,800.00	6,896.21	6,349.00	6,320.63	41.75	28.97	-59.74	-27.74	5,263.36	4,581.57	4,520.25	61.32	74.713		
7,900.00	6,896.47	6,349.00	6,320.63	43.69	28.97	-59.74	-27.74	5,263.36	4,484.67	4,423.17	61.49	72.929		
8,000.00	6,896.74	6,349.00	6,320.63	45.73	28.97	-59.74	-27.74	5,263.36	4,387.91	4,326.22	61.69	71.128		
8,100.00	6,897.00	6,349.00	6,320.63	47.85	28.97	-59.74	-27.74	5,263.36	4,291.29	4,229.38	61.91	69.312		
8,200.00	6,897.26	6,349.00	6,320.63	50.04	28.97	-59.74	-27.74	5,263.36	4,194.84	4,132.67	62.16	67.479		
8,300.00	6,897.52	6,349.00	6,320.63	52.30	28.97	-59.74	-27.74	5,263.36	4,098.55	4,036.11	62.45	65.630		
8,400.00	6,897.78	6,349.00	6,320.63	54.61	28.97	-59.74	-27.74	5,263.36	4,002.45	3,939.68	62.77	63.765		
8,500.00	6,898.05	6,349.00	6,320.63	56.98	28.97	-59.74	-27.74	5,263.36	3,906.55	3,843.42	63.13	61.885		
8,600.00	6,898.31	6,349.00	6,320.63	59.38	28.97	-59.74	-27.74	5,263.36	3,810.85	3,747.32	63.53	59.989		
8,700.00	6,898.57	6,349.00	6,320.63	61.82	28.97	-59.74	-27.74	5,263.36	3,715.38	3,651.41	63.97	58.079		
8,800.00	6,898.83	6,349.00	6,320.63	64.30	28.97	-59.74	-27.74	5,263.36	3,620.16	3,555.69	64.47	56.155		
8,900.00	6,899.10	6,349.00	6,320.63	66.81	28.97	-59.74	-27.74	5,263.36	3,525.20	3,460.18	65.02	54.218		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	6,349.00	6,320.63	69.34	28.97	-59.74	-27.74	5,263.36	3,430.52	3,364.89	65.63	52.270		
9,100.00	6,899.62	6,349.00	6,320.63	71.90	28.97	-59.74	-27.74	5,263.36	3,336.16	3,269.85	66.31	50.313		
9,200.00	6,899.88	6,349.00	6,320.63	74.48	28.97	-59.74	-27.74	5,263.36	3,242.13	3,175.08	67.06	48.349		
9,300.00	6,900.14	6,349.00	6,320.63	77.08	28.97	-59.74	-27.74	5,263.36	3,148.48	3,080.59	67.89	46.379		
9,400.00	6,900.41	6,349.00	6,320.63	79.70	28.97	-59.74	-27.74	5,263.36	3,055.22	2,986.42	68.80	44.408		
9,500.00	6,900.67	6,349.00	6,320.63	82.33	28.97	-59.74	-27.74	5,263.36	2,962.41	2,892.60	69.81	42.437		
9,600.00	6,900.93	6,349.00	6,320.63	84.97	28.97	-59.74	-27.74	5,263.36	2,870.08	2,799.16	70.92	40.470		
9,700.00	6,901.19	6,349.00	6,320.63	87.63	28.97	-59.74	-27.74	5,263.36	2,778.28	2,706.13	72.14	38.511		
9,800.00	6,901.45	6,349.00	6,320.63	90.31	28.97	-59.74	-27.74	5,263.36	2,687.06	2,613.57	73.49	36.565		
9,900.00	6,901.72	6,349.00	6,320.63	92.99	28.97	-59.74	-27.74	5,263.36	2,596.49	2,521.52	74.97	34.635		
10,000.00	6,901.98	6,382.24	6,353.11	95.68	29.10	-61.19	-28.06	5,270.42	2,505.82	2,428.99	76.83	32.617		
10,100.00	6,902.24	6,388.63	6,359.32	98.38	29.12	-61.47	-28.08	5,271.91	2,416.41	2,337.74	78.66	30.718		
10,200.00	6,902.50	6,395.38	6,365.88	101.09	29.15	-61.77	-28.08	5,273.52	2,327.79	2,247.11	80.68	28.852		
10,300.00	6,902.76	6,402.54	6,372.82	103.81	29.18	-62.09	-28.07	5,275.28	2,240.06	2,157.16	82.89	27.023		
10,400.00	6,903.03	6,438.00	6,406.98	106.53	29.31	-63.70	-27.76	5,284.77	2,153.91	2,068.38	85.53	25.184		
10,500.00	6,903.29	6,438.00	6,406.98	109.26	29.31	-63.70	-27.76	5,284.77	2,067.96	1,979.82	88.14	23.463		
10,600.00	6,903.55	6,438.00	6,406.98	112.00	29.31	-63.70	-27.76	5,284.77	1,983.33	1,892.34	91.00	21.795		
10,700.00	6,903.81	6,438.00	6,406.98	114.75	29.31	-63.70	-27.76	5,284.77	1,900.20	1,806.08	94.13	20.188		
10,800.00	6,904.08	6,438.00	6,406.98	117.49	29.31	-63.70	-27.76	5,284.77	1,818.77	1,721.23	97.54	18.646		
10,900.00	6,904.34	6,462.10	6,430.04	120.25	29.41	-64.82	-27.29	5,291.78	1,738.91	1,637.41	101.50	17.132		
11,000.00	6,904.60	6,476.47	6,443.74	123.00	29.47	-65.50	-26.88	5,296.09	1,661.06	1,555.34	105.73	15.711		
11,100.00	6,904.86	6,491.48	6,458.02	125.77	29.53	-66.21	-26.36	5,300.69	1,585.41	1,475.08	110.33	14.369		
11,200.00	6,905.12	6,507.19	6,472.92	128.53	29.59	-66.97	-25.71	5,305.62	1,512.28	1,396.94	115.34	13.112		
11,300.00	6,905.39	6,527.00	6,491.65	131.30	29.67	-67.93	-24.74	5,311.99	1,442.02	1,321.22	120.80	11.937		
11,400.00	6,905.65	6,527.00	6,491.65	134.08	29.67	-67.93	-24.74	5,311.99	1,375.17	1,248.78	126.39	10.880		
11,500.00	6,905.91	6,555.47	6,518.41	136.85	29.79	-69.33	-23.06	5,321.59	1,311.89	1,179.12	132.77	9.881		
11,600.00	6,906.17	6,572.97	6,534.72	139.63	29.87	-70.20	-21.89	5,327.79	1,253.07	1,113.73	139.33	8.993		
11,700.00	6,906.43	6,591.84	6,552.21	142.42	29.95	-71.14	-20.50	5,334.74	1,199.15	1,052.98	146.17	8.204		
11,800.00	6,906.70	6,615.00	6,573.51	145.20	30.05	-72.30	-18.61	5,343.64	1,150.78	997.53	153.25	7.509		
11,900.00	6,906.96	6,634.91	6,591.57	147.99	30.13	-73.29	-16.99	5,351.86	1,108.55	948.31	160.24	6.918		
12,000.00	6,907.22	6,663.44	6,616.78	150.78	30.25	-74.68	-14.96	5,365.04	1,072.97	905.81	167.16	6.419		
12,100.00	6,907.48	6,704.00	6,651.11	153.57	30.43	-76.59	-12.69	5,386.50	1,044.25	870.40	173.85	6.007		
12,200.00	6,907.74	6,740.46	6,680.46	156.37	30.59	-78.24	-11.00	5,408.06	1,022.37	842.50	179.87	5.684		
12,300.00	6,908.01	6,787.83	6,716.60	159.17	30.80	-80.29	-8.82	5,438.58	1,007.30	821.95	185.35	5.435		
12,400.00	6,908.27	6,854.14	6,764.63	161.97	31.14	-83.03	-5.91	5,484.20	998.23	807.81	190.43	5.242		
12,500.00	6,908.53	6,924.50	6,813.99	164.77	31.56	-85.87	-3.05	5,534.25	994.27	799.40	194.87	5.102		
12,532.60	6,908.62	6,948.56	6,830.24	165.68	31.72	-86.81	-2.12	5,551.98	994.03	797.85	196.18	5.067		
12,600.00	6,908.79	6,996.04	6,861.20	167.57	32.07	-88.59	-0.29	5,587.92	995.06	796.42	198.64	5.009		
12,700.00	6,909.06	7,088.46	6,916.30	170.38	32.91	-91.74	3.84	5,661.96	1,000.40	798.19	202.21	4.947		
12,800.00	6,909.32	7,246.53	6,995.29	173.18	34.75	-96.24	2.51	5,798.63	1,002.93	796.65	206.28	4.862		
12,900.00	6,909.58	7,378.77	7,041.46	175.99	36.78	-98.86	-1.04	5,922.36	1,005.09	794.99	210.10	4.784		
13,000.00	6,909.84	7,518.15	7,072.08	178.80	39.27	-100.65	-9.85	6,057.99	1,002.12	787.90	214.22	4.678		
13,100.00	6,910.10	7,596.98	7,083.31	181.61	40.86	-101.32	-13.87	6,135.90	999.54	781.24	218.31	4.579		
13,200.00	6,910.37	7,695.33	7,086.79	184.42	42.99	-101.53	-16.01	6,234.11	997.93	774.89	223.05	4.474		
13,287.28	6,910.59	7,767.27	7,084.88	186.88	44.62	-101.41	-16.26	6,306.03	997.06	769.86	227.20	4.388		
13,300.00	6,910.63	7,776.78	7,084.64	187.24	44.84	-101.40	-16.18	6,315.53	997.08	769.29	227.79	4.377		
13,400.00	6,910.89	7,891.24	7,082.59	190.05	47.57	-101.25	-15.04	6,429.96	997.64	764.32	233.32	4.276		
13,486.65	6,911.12	7,966.68	7,081.61	192.49	49.46	-101.19	-15.34	6,505.39	996.96	759.29	237.66	4.195		
13,500.00	6,911.15	7,977.53	7,081.52	192.87	49.73	-101.18	-15.29	6,516.24	996.97	758.66	238.31	4.183		
13,600.00	6,911.41	8,082.79	7,080.53	195.68	52.45	-101.11	-14.69	6,621.50	997.18	753.36	243.82	4.090		
13,700.00	6,911.68	8,205.62	7,078.70	198.50	55.75	-101.01	-16.49	6,744.30	995.17	745.37	249.80	3.984		
13,800.00	6,911.94	8,290.65	7,076.96	201.32	58.08	-100.91	-17.79	6,829.29	993.14	738.08	255.05	3.894		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,841.92	6,912.05	8,322.03	7,076.48	202.50	58.95	-100.88	-17.81	6,860.68	992.91	735.77	257.14	3.861		
13,900.00	6,912.20	8,367.32	7,076.01	204.14	60.22	-100.84	-17.31	6,905.96	993.32	733.27	260.05	3.820		
14,000.00	6,912.46	8,450.31	7,074.82	206.96	62.58	-100.74	-15.10	6,988.91	995.48	730.30	265.18	3.754		
14,100.00	6,912.72	8,540.11	7,074.11	209.78	65.16	-100.65	-11.41	7,078.63	999.18	728.66	270.52	3.694		
14,200.00	6,912.99	8,662.07	7,070.44	212.61	68.72	-100.38	-6.88	7,200.44	1,002.10	724.99	277.12	3.616		
14,300.00	6,913.25	8,784.85	7,067.71	215.43	72.36	-100.19	-5.29	7,323.18	1,002.81	719.19	283.61	3.536		
14,400.00	6,913.51	8,927.82	7,067.05	218.26	76.64	-100.18	-9.42	7,466.07	999.48	709.25	290.23	3.444		
14,500.00	6,913.77	9,034.79	7,066.36	221.08	79.88	-100.18	-14.59	7,572.90	994.44	698.33	296.11	3.358		
14,600.00	6,914.04	9,139.69	7,066.33	223.91	83.08	-100.22	-20.51	7,677.64	988.70	686.77	301.94	3.275		
14,700.00	6,914.30	9,269.00	7,063.09	226.73	87.05	-100.11	-29.92	7,806.55	980.81	672.78	308.03	3.184		
14,800.00	6,914.56	9,355.98	7,058.30	229.56	89.74	-99.89	-36.48	7,893.14	972.29	658.27	314.02	3.096		
14,900.00	6,914.82	9,433.19	7,055.59	232.39	92.14	-99.77	-40.86	7,970.18	965.89	646.10	319.79	3.020		
15,000.00	6,915.08	9,517.63	7,054.81	235.22	94.78	-99.75	-44.52	8,054.53	961.30	635.84	325.46	2.954		
15,100.00	6,915.35	9,595.00	7,055.12	238.05	97.20	-99.77	-46.31	8,131.88	958.88	628.01	330.87	2.898		
15,155.50	6,915.49	9,637.47	7,055.42	239.62	98.54	-99.79	-46.52	8,174.35	958.57	624.78	333.78	2.872		
15,200.00	6,915.61	9,673.34	7,055.67	240.88	99.67	-99.79	-46.33	8,210.22	958.77	622.63	336.14	2.852		
15,300.00	6,915.87	9,754.56	7,056.38	243.71	102.24	-99.81	-44.76	8,291.41	960.65	619.28	341.37	2.814		
15,400.00	6,916.13	9,868.08	7,058.10	246.54	105.83	-99.87	-41.97	8,404.88	963.20	615.48	347.73	2.770		
15,500.00	6,916.39	9,972.15	7,058.62	249.37	109.14	-99.87	-40.50	8,508.94	964.50	610.71	353.79	2.726		
15,600.00	6,916.66	10,071.21	7,057.95	252.20	112.30	-99.80	-39.40	8,607.99	965.31	605.55	359.76	2.683		
15,700.00	6,916.92	10,170.12	7,057.83	255.03	115.45	-99.76	-37.47	8,706.89	967.03	601.32	365.71	2.644		
15,800.00	6,917.18	10,285.30	7,056.94	257.87	119.14	-99.69	-36.97	8,822.06	967.11	594.90	372.21	2.598		
15,900.00	6,917.44	10,413.83	7,053.92	260.70	123.27	-99.51	-38.60	8,950.53	965.29	586.29	379.00	2.547		
16,000.00	6,917.70	10,505.57	7,051.51	263.53	126.22	-99.38	-40.61	9,042.22	962.52	577.56	384.96	2.500		
16,100.00	6,917.97	10,600.67	7,049.14	266.37	129.28	-99.24	-42.35	9,137.27	960.15	569.17	390.98	2.456		
16,200.00	6,918.23	10,688.65	7,047.33	269.20	132.12	-99.12	-42.82	9,225.23	959.09	562.30	396.79	2.417		
16,300.00	6,918.49	10,797.04	7,046.38	272.04	135.63	-99.06	-43.72	9,333.61	957.95	554.89	403.06	2.377		
16,400.00	6,918.75	10,895.17	7,045.57	274.87	138.81	-99.01	-45.05	9,431.73	956.32	547.24	409.08	2.338		
16,500.00	6,919.02	10,987.71	7,045.11	277.71	141.81	-98.98	-45.69	9,524.27	955.39	540.46	414.93	2.303		
16,600.00	6,919.28	11,121.36	7,046.03	280.55	146.15	-99.04	-48.33	9,657.88	953.47	531.90	421.57	2.262		
16,700.00	6,919.54	11,200.00	7,045.70	283.38	148.71	-99.03	-50.36	9,736.48	950.64	523.41	427.23	2.225		
16,800.00	6,919.80	11,283.57	7,045.18	286.22	151.43	-98.99	-50.82	9,820.05	949.80	516.94	432.86	2.194		
16,900.00	6,920.06	11,383.54	7,044.57	289.06	154.68	-98.93	-50.63	9,920.02	949.73	510.78	438.95	2.164		
16,903.79	6,920.07	11,387.37	7,044.53	289.17	154.81	-98.93	-50.62	9,923.84	949.72	510.55	439.18	2.163 CC		
17,000.00	6,920.33	11,448.72	7,043.90	291.90	156.80	-98.87	-49.18	9,985.17	951.54	507.84	443.70	2.145		
17,100.00	6,920.59	11,531.75	7,042.77	294.73	159.49	-98.75	-44.90	10,068.09	956.20	507.21	448.99	2.130		
17,200.00	6,920.85	11,621.04	7,041.02	297.57	162.39	-98.59	-39.18	10,157.17	962.07	507.50	454.57	2.116		
17,300.00	6,921.11	11,744.66	7,037.52	300.41	166.40	-98.30	-31.49	10,280.50	967.74	505.57	462.17	2.094		
17,400.00	6,921.37	11,830.19	7,035.21	303.25	169.18	-98.11	-26.86	10,365.87	972.54	504.89	467.65	2.080 ES		
17,500.00	6,921.64	11,898.00	7,032.84	306.09	171.38	-97.93	-22.60	10,433.51	978.60	506.77	471.83	2.074 SF		
17,600.00	6,921.90	11,898.00	7,032.84	308.93	171.38	-97.93	-22.60	10,433.51	992.34	523.86	468.47	2.118		
17,638.91	6,922.00	11,898.00	7,032.84	310.03	171.38	-97.93	-22.60	10,433.51	1,000.34	534.35	465.98	2.147		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-71.57	1,954.08	-5,865.19	6,182.14					
100.00	100.00	133.00	133.00	3.28	4.38	-71.57	1,954.08	-5,865.19	6,182.14	6,174.48	7.66	806.938		
200.00	200.00	233.00	233.00	3.34	7.18	-71.57	1,954.08	-5,865.19	6,182.14	6,171.62	10.52	587.746 CC		
300.00	299.98	332.98	332.98	3.44	10.41	91.49	1,954.08	-5,865.19	6,182.18	6,168.34	13.85	446.414		
400.00	399.84	432.84	432.84	3.59	13.76	91.54	1,954.08	-5,865.19	6,182.32	6,164.97	17.35	356.326		
500.00	499.45	532.45	532.45	3.79	17.16	91.61	1,954.08	-5,865.19	6,182.56	6,161.62	20.95	295.173		
600.00	598.70	631.70	631.70	4.04	20.57	91.72	1,954.08	-5,865.19	6,182.92	6,158.32	24.60	251.335		
660.50	658.52	708.48	691.52	4.20	23.22	91.80	1,954.08	-5,865.19	6,183.20	6,155.78	27.42	225.520		
700.00	697.51	730.51	730.51	4.31	23.98	91.85	1,954.08	-5,865.19	6,183.40	6,155.11	28.30	218.528		
800.00	796.22	829.22	829.22	4.63	27.40	92.00	1,954.08	-5,865.19	6,183.95	6,151.92	32.03	193.057		
900.00	894.93	927.93	927.93	4.98	30.82	92.15	1,954.08	-5,865.19	6,184.54	6,148.73	35.80	172.749		
1,000.00	993.64	1,026.64	1,026.64	5.34	34.25	92.29	1,954.08	-5,865.19	6,185.16	6,145.57	39.60	156.209		
1,100.00	1,092.35	1,125.35	1,125.35	5.73	37.68	92.44	1,954.08	-5,865.19	6,185.83	6,142.42	43.41	142.495		
1,200.00	1,191.06	1,224.06	1,224.06	6.13	41.12	92.58	1,954.08	-5,865.19	6,186.54	6,139.30	47.24	130.952		
1,300.00	1,289.78	1,322.78	1,322.78	6.54	44.55	92.73	1,954.08	-5,865.19	6,187.29	6,136.21	51.09	121.110		
1,400.00	1,388.49	1,421.49	1,421.49	6.95	47.99	92.88	1,954.08	-5,865.19	6,188.09	6,133.14	54.94	112.624		
1,500.00	1,487.20	1,520.20	1,520.20	7.38	51.43	93.02	1,954.08	-5,865.19	6,188.92	6,130.11	58.81	105.236		
1,600.00	1,585.91	1,618.91	1,618.91	7.81	54.87	93.17	1,954.08	-5,865.19	6,189.80	6,127.11	62.68	98.748		
1,700.00	1,684.62	1,717.62	1,717.62	8.25	58.31	93.31	1,954.08	-5,865.19	6,190.71	6,124.15	66.56	93.007		
1,800.00	1,783.33	1,816.33	1,816.33	8.70	61.75	93.46	1,954.08	-5,865.19	6,191.67	6,121.23	70.45	87.892		
1,900.00	1,882.04	1,915.04	1,915.04	9.15	65.19	93.61	1,954.08	-5,865.19	6,192.67	6,118.34	74.33	83.308		
2,000.00	1,980.75	2,013.75	2,013.75	9.60	68.63	93.75	1,954.08	-5,865.19	6,193.71	6,115.48	78.23	79.175		
2,100.00	2,079.46	2,112.46	2,112.46	10.05	72.08	93.90	1,954.08	-5,865.19	6,194.79	6,112.67	82.12	75.432		
2,200.00	2,178.17	2,211.17	2,211.17	10.51	75.52	94.04	1,954.08	-5,865.19	6,195.92	6,109.89	86.02	72.026		
2,300.00	2,276.88	2,309.88	2,309.88	10.97	78.96	94.19	1,954.08	-5,865.19	6,197.08	6,107.15	89.92	68.914		
2,400.00	2,375.59	2,408.59	2,408.59	11.43	82.40	94.34	1,954.08	-5,865.19	6,198.28	6,104.46	93.83	66.060		
2,500.00	2,474.31	2,507.31	2,507.31	11.89	85.85	94.48	1,954.08	-5,865.19	6,199.53	6,101.80	97.73	63.432		
2,600.00	2,573.02	2,606.02	2,606.02	12.36	89.29	94.63	1,954.08	-5,865.19	6,200.82	6,099.18	101.64	61.006		
2,700.00	2,671.73	2,704.73	2,704.73	12.82	92.73	94.77	1,954.08	-5,865.19	6,202.15	6,096.59	105.55	58.759		
2,800.00	2,770.44	2,803.44	2,803.44	13.29	96.18	94.92	1,954.08	-5,865.19	6,203.52	6,094.05	109.46	56.673		
2,900.00	2,869.15	2,902.15	2,902.15	13.76	99.62	95.06	1,954.08	-5,865.19	6,204.93	6,091.55	113.37	54.730		
3,000.00	2,967.86	3,000.86	3,000.86	14.23	103.07	95.21	1,954.08	-5,865.19	6,206.38	6,089.09	117.29	52.916		
3,100.00	3,066.57	3,100.43	3,099.57	14.70	106.54	95.35	1,954.08	-5,865.19	6,207.87	6,086.64	121.23	51.207		
3,200.00	3,165.28	3,201.72	3,198.28	15.17	110.08	95.50	1,954.08	-5,865.19	6,209.40	6,084.17	125.24	49.582		
3,300.00	3,263.99	3,303.01	3,296.99	15.64	113.61	95.64	1,954.08	-5,865.19	6,210.98	6,081.73	129.24	48.057		
3,400.00	3,362.70	3,404.30	3,395.70	16.11	117.14	95.79	1,954.08	-5,865.19	6,212.59	6,079.34	133.25	46.625		
3,500.00	3,461.41	3,505.59	3,494.41	16.59	120.68	95.93	1,954.08	-5,865.19	6,214.25	6,076.99	137.25	45.275		
3,600.00	3,560.12	3,606.88	3,593.12	17.06	124.21	96.08	1,954.08	-5,865.19	6,215.94	6,074.68	141.26	44.003		
3,700.00	3,658.84	3,708.16	3,691.84	17.53	127.75	96.22	1,954.08	-5,865.19	6,217.68	6,072.41	145.27	42.801		
3,800.00	3,757.55	3,809.45	3,790.55	18.01	131.28	96.37	1,954.08	-5,865.19	6,219.46	6,070.18	149.28	41.663		
3,900.00	3,856.26	3,889.26	3,889.26	18.48	134.07	96.51	1,954.08	-5,865.19	6,221.28	6,068.74	152.54	40.785		
4,000.00	3,954.97	3,987.97	3,987.97	18.96	137.51	96.66	1,954.08	-5,865.19	6,223.13	6,066.68	156.46	39.775		
4,100.00	4,053.68	4,086.68	4,086.68	19.44	140.96	96.80	1,954.08	-5,865.19	6,225.03	6,064.66	160.38	38.815		
4,200.00	4,152.39	4,185.39	4,185.39	19.91	144.40	96.95	1,954.08	-5,865.19	6,226.97	6,062.68	164.30	37.901		
4,300.00	4,251.10	4,284.10	4,284.10	20.39	147.85	97.09	1,954.08	-5,865.19	6,228.95	6,060.74	168.22	37.029		
4,400.00	4,349.81	4,382.81	4,382.81	20.87	151.29	97.23	1,954.08	-5,865.19	6,230.98	6,058.84	172.14	36.197		
4,500.00	4,448.52	4,481.52	4,481.52	21.34	154.74	97.38	1,954.08	-5,865.19	6,233.04	6,056.98	176.06	35.403		
4,600.00	4,547.23	4,580.23	4,580.23	21.82	158.18	97.52	1,954.08	-5,865.19	6,235.14	6,055.16	179.98	34.643		
4,700.00	4,645.94	4,678.94	4,678.94	22.30	161.63	97.67	1,954.08	-5,865.19	6,237.28	6,053.38	183.90	33.916		
4,800.00	4,744.65	4,777.65	4,777.65	22.78	165.08	97.81	1,954.08	-5,865.19	6,239.46	6,051.64	187.83	33.220		
4,900.00	4,843.37	4,876.37	4,876.37	23.26	168.52	97.95	1,954.08	-5,865.19	6,241.69	6,049.94	191.75	32.552		
5,000.00	4,942.08	4,975.08	4,975.08	23.74	171.97	98.10	1,954.08	-5,865.19	6,243.95	6,048.28	195.67	31.911		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,073.79	5,073.79	24.21	175.41	98.24	1,954.08	-5,865.19	6,246.25	6,046.66	199.59	31.295		
5,200.00	5,139.50	5,172.50	5,172.50	24.69	178.86	98.38	1,954.08	-5,865.19	6,248.60	6,045.08	203.51	30.703		
5,300.00	5,238.21	5,271.21	5,271.21	25.17	182.30	98.53	1,954.08	-5,865.19	6,250.98	6,043.54	207.44	30.134		
5,400.00	5,336.92	5,369.92	5,369.92	25.65	185.75	98.67	1,954.08	-5,865.19	6,253.41	6,042.05	211.36	29.587		
5,500.00	5,435.63	5,468.63	5,468.63	26.13	189.19	98.81	1,954.08	-5,865.19	6,255.87	6,040.59	215.28	29.059		
5,600.00	5,534.34	5,567.34	5,567.34	26.61	192.64	98.96	1,954.08	-5,865.19	6,258.37	6,039.17	219.21	28.550		
5,700.00	5,633.05	5,666.05	5,666.05	27.09	196.08	99.10	1,954.08	-5,865.19	6,260.92	6,037.79	223.13	28.060		
5,800.00	5,731.76	5,764.76	5,764.76	27.57	199.53	99.24	1,954.08	-5,865.19	6,263.50	6,036.45	227.05	27.586		
5,900.00	5,830.47	5,863.47	5,863.47	28.05	202.98	99.39	1,954.08	-5,865.19	6,266.12	6,035.15	230.98	27.129		
6,000.00	5,929.18	5,962.18	5,962.18	28.53	206.42	99.53	1,954.08	-5,865.19	6,268.79	6,033.89	234.90	26.687		
6,100.00	6,027.90	6,060.90	6,060.90	29.01	209.87	99.67	1,954.08	-5,865.19	6,271.49	6,032.67	238.82	26.260		
6,200.00	6,126.61	6,159.61	6,159.61	29.49	213.31	99.81	1,954.08	-5,865.19	6,274.23	6,031.49	242.75	25.847		
6,300.00	6,225.32	6,258.32	6,258.32	29.97	216.76	99.95	1,954.08	-5,865.19	6,277.01	6,030.34	246.67	25.447		
6,311.21	6,236.38	6,269.38	6,269.38	30.03	217.14	99.97	1,954.08	-5,865.19	6,277.33	6,030.22	247.11	25.403 ES		
6,350.00	6,274.70	6,307.70	6,307.70	30.21	218.48	122.11	1,954.08	-5,865.19	6,279.47	6,030.84	248.63	25.256		
6,400.00	6,324.03	6,357.03	6,357.03	30.43	220.20	148.04	1,954.08	-5,865.19	6,285.34	6,034.76	250.57	25.084		
6,450.00	6,373.00	6,406.00	6,406.00	30.65	221.91	165.35	1,954.08	-5,865.19	6,294.65	6,042.16	252.49	24.930		
6,500.00	6,421.31	6,454.31	6,454.31	30.84	223.60	176.13	1,954.08	-5,865.19	6,307.36	6,052.99	254.38	24.796		
6,550.00	6,468.66	6,501.66	6,501.66	31.03	225.25	-176.71	1,954.08	-5,865.19	6,323.38	6,067.17	256.21	24.680		
6,600.00	6,514.76	6,547.76	6,547.76	31.20	226.86	-171.52	1,954.08	-5,865.19	6,342.62	6,084.62	258.00	24.584		
6,650.00	6,559.32	6,607.68	6,607.68	31.37	228.95	-167.41	1,954.08	-5,865.19	6,364.95	6,104.69	260.25	24.457		
6,700.00	6,602.08	6,635.08	6,635.08	31.52	229.91	-163.87	1,954.08	-5,865.19	6,390.24	6,128.87	261.36	24.450		
6,750.00	6,642.77	6,675.77	6,675.77	31.65	231.33	-160.61	1,954.08	-5,865.19	6,418.34	6,155.41	262.93	24.411		
6,800.00	6,681.13	6,714.13	6,714.13	31.78	232.67	-157.41	1,954.08	-5,865.19	6,449.09	6,184.69	264.40	24.392		
6,850.00	6,716.93	6,749.93	6,749.93	31.89	233.92	-154.11	1,954.08	-5,865.19	6,482.29	6,216.52	265.77	24.391 SF		
6,900.00	6,749.95	6,782.95	6,782.95	31.99	235.07	-150.57	1,954.08	-5,865.19	6,517.76	6,250.73	267.03	24.408		
6,950.00	6,779.98	6,812.98	6,812.98	32.08	236.12	-146.63	1,954.08	-5,865.19	6,555.29	6,287.11	268.18	24.444		
7,000.00	6,806.85	6,839.85	6,839.85	32.16	237.06	-142.16	1,954.08	-5,865.19	6,594.64	6,325.43	269.21	24.496		
7,050.00	6,830.38	6,863.38	6,863.38	32.24	237.88	-136.99	1,954.08	-5,865.19	6,635.60	6,365.48	270.12	24.566		
7,100.00	6,850.43	6,883.43	6,883.43	32.35	238.58	-130.97	1,954.08	-5,865.19	6,677.90	6,407.01	270.89	24.651		
7,150.00	6,866.88	6,900.12	6,899.88	32.59	239.16	-123.99	1,954.08	-5,865.19	6,721.31	6,449.76	271.55	24.752		
7,200.00	6,879.62	6,912.62	6,912.62	32.99	239.60	-116.00	1,954.08	-5,865.19	6,765.56	6,493.51	272.05	24.868		
7,250.00	6,888.58	6,921.58	6,921.58	33.48	239.91	-107.15	1,954.08	-5,865.19	6,810.39	6,537.96	272.43	24.998		
7,300.00	6,893.70	6,926.70	6,926.70	34.02	240.09	-97.76	1,954.08	-5,865.19	6,855.53	6,582.85	272.68	25.141		
7,339.40	6,895.01	6,928.01	6,928.01	34.48	240.13	-90.32	1,954.08	-5,865.19	6,891.14	6,618.36	272.78	25.263		
7,400.00	6,895.16	6,928.16	6,928.16	35.24	240.14	-90.32	1,954.08	-5,865.19	6,945.89	6,673.01	272.87	25.455		
7,500.00	6,895.43	6,928.43	6,928.43	36.64	240.15	-90.32	1,954.08	-5,865.19	7,036.46	6,763.40	273.06	25.769		
7,600.00	6,895.69	6,928.69	6,928.69	38.20	240.16	-90.33	1,954.08	-5,865.19	7,127.28	6,854.00	273.28	26.081		
7,700.00	6,895.95	6,928.95	6,928.95	39.91	240.17	-90.33	1,954.08	-5,865.19	7,218.34	6,944.82	273.52	26.390		
7,800.00	6,896.21	6,929.21	6,929.21	41.75	240.18	-90.34	1,954.08	-5,865.19	7,309.64	7,035.85	273.79	26.698		
7,900.00	6,896.47	6,929.47	6,929.47	43.69	240.19	-90.34	1,954.08	-5,865.19	7,401.16	7,127.08	274.08	27.003		
8,000.00	6,896.74	6,929.74	6,929.74	45.73	240.19	-90.35	1,954.08	-5,865.19	7,492.90	7,218.50	274.40	27.307		
8,100.00	6,897.00	6,930.00	6,930.00	47.85	240.20	-90.35	1,954.08	-5,865.19	7,584.85	7,310.12	274.73	27.609		
8,200.00	6,897.26	6,930.26	6,930.26	50.04	240.21	-90.36	1,954.08	-5,865.19	7,677.00	7,401.93	275.07	27.909		
8,300.00	6,897.52	6,930.52	6,930.52	52.30	240.22	-90.36	1,954.08	-5,865.19	7,769.34	7,493.91	275.43	28.208		
8,400.00	6,897.78	6,930.78	6,930.78	54.61	240.23	-90.37	1,954.08	-5,865.19	7,861.87	7,586.07	275.80	28.506		
8,500.00	6,898.05	6,931.05	6,931.05	56.98	240.24	-90.37	1,954.08	-5,865.19	7,954.58	7,678.40	276.18	28.802		
8,600.00	6,898.31	6,931.31	6,931.31	59.38	240.25	-90.38	1,954.08	-5,865.19	8,047.47	7,770.90	276.57	29.097		
8,700.00	6,898.57	6,931.57	6,931.57	61.82	240.26	-90.38	1,954.08	-5,865.19	8,140.52	7,863.55	276.97	29.392		
8,800.00	6,898.83	6,931.83	6,931.83	64.30	240.27	-90.39	1,954.08	-5,865.19	8,233.74	7,956.37	277.37	29.685		
8,900.00	6,899.10	6,932.10	6,932.10	66.81	240.28	-90.39	1,954.08	-5,865.19	8,327.11	8,049.34	277.78	29.978		
9,000.00	6,899.36	6,932.36	6,932.36	69.34	240.29	-90.40	1,954.08	-5,865.19	8,420.64	8,142.45	278.19	30.269		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 ft
Boomerang 21-5 - LA POUDRE SOUTH #4 - OH - OH												<b>Offset Well Error:</b>	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
9,100.00	6,899.62	6,932.62	6,932.62	71.90	240.30	-90.40	1,954.08	-5,865.19	8,514.31	8,235.71	278.60	30.561	
9,200.00	6,899.88	6,932.88	6,932.88	74.48	240.30	-90.41	1,954.08	-5,865.19	8,608.13	8,329.11	279.02	30.851	
9,300.00	6,900.14	6,933.14	6,933.14	77.08	240.31	-90.41	1,954.08	-5,865.19	8,702.08	8,422.65	279.44	31.141	
9,400.00	6,900.41	6,933.41	6,933.41	79.70	240.32	-90.42	1,954.08	-5,865.19	8,796.17	8,516.31	279.86	31.431	
9,500.00	6,900.67	6,933.67	6,933.67	82.33	240.33	-90.42	1,954.08	-5,865.19	8,890.39	8,610.11	280.28	31.720	
9,600.00	6,900.93	6,933.93	6,933.93	84.97	240.34	-90.43	1,954.08	-5,865.19	8,984.73	8,704.03	280.70	32.009	
9,700.00	6,901.19	6,934.19	6,934.19	87.63	240.35	-90.43	1,954.08	-5,865.19	9,079.19	8,798.08	281.11	32.297	
9,800.00	6,901.45	6,934.45	6,934.45	90.31	240.36	-90.44	1,954.08	-5,865.19	9,173.77	8,892.24	281.53	32.585	
9,900.00	6,901.72	6,934.72	6,934.72	92.99	240.37	-90.44	1,954.08	-5,865.19	9,268.46	8,986.52	281.95	32.873	
10,000.00	6,901.98	6,934.98	6,934.98	95.68	240.38	-90.45	1,954.08	-5,865.19	9,363.27	9,080.91	282.36	33.161	
10,100.00	6,902.24	6,935.24	6,935.24	98.38	240.39	-90.46	1,954.08	-5,865.19	9,458.18	9,175.41	282.77	33.448	
10,200.00	6,902.50	6,935.50	6,935.50	101.09	240.40	-90.46	1,954.08	-5,865.19	9,553.19	9,270.01	283.18	33.735	
10,300.00	6,902.76	6,935.76	6,935.76	103.81	240.40	-90.47	1,954.08	-5,865.19	9,648.31	9,364.72	283.59	34.022	
10,400.00	6,903.03	6,936.03	6,936.03	106.53	240.41	-90.47	1,954.08	-5,865.19	9,743.52	9,459.53	283.99	34.309	
10,500.00	6,903.29	6,936.29	6,936.29	109.26	240.42	-90.48	1,954.08	-5,865.19	9,838.83	9,554.44	284.40	34.596	
10,600.00	6,903.55	6,936.55	6,936.55	112.00	240.43	-90.48	1,954.08	-5,865.19	9,934.23	9,649.44	284.79	34.882	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	15,749.93	7,060.92	3.28	285.21	-1.26	1,646.49	-36.19	7,295.24					
100.00	100.00	15,749.89	7,060.92	3.28	285.20	-1.26	1,646.49	-36.23	7,197.85	7,079.20	118.65	60.664		
200.00	200.00	15,749.85	7,060.92	3.34	285.20	-1.26	1,646.49	-36.27	7,100.54	6,981.50	119.04	59.647		
300.00	299.98	15,749.38	7,060.92	3.44	285.19	164.05	1,646.47	-36.74	7,003.72	6,884.23	119.49	58.616		
400.00	399.84	15,748.07	7,060.92	3.59	285.15	165.76	1,646.44	-38.04	6,907.90	6,787.88	120.01	57.560		
500.00	499.45	15,745.93	7,060.92	3.79	285.07	167.09	1,646.39	-40.19	6,813.23	6,692.60	120.63	56.479		
600.00	598.70	15,742.95	7,060.92	4.04	284.98	168.13	1,646.32	-43.17	6,719.90	6,598.54	121.36	55.373		
660.50	658.52	15,740.74	7,060.92	4.20	284.90	168.66	1,646.27	-45.37	6,664.15	6,542.30	121.84	54.694		
700.00	697.51	15,739.21	7,060.92	4.31	284.85	168.63	1,646.24	-46.90	6,627.95	6,505.77	122.18	54.247		
800.00	796.22	15,735.34	7,060.92	4.63	284.73	168.55	1,646.15	-50.77	6,536.49	6,413.41	123.08	53.106		
900.00	894.93	15,731.49	7,060.93	4.98	284.60	168.46	1,646.07	-54.63	6,445.28	6,321.25	124.03	51.964		
1,000.00	993.64	15,730.60	7,060.93	5.34	284.57	168.44	1,646.04	-55.51	6,354.33	6,229.26	125.08	50.802		
1,100.00	1,092.35	15,725.09	7,060.93	5.73	284.39	168.33	1,645.94	-61.02	6,263.66	6,137.55	126.11	49.667		
1,200.00	1,191.06	15,719.58	7,060.93	6.13	284.21	168.21	1,645.83	-66.53	6,173.27	6,046.07	127.20	48.531		
1,300.00	1,289.78	15,714.05	7,060.94	6.54	284.03	168.09	1,645.73	-72.06	6,083.18	5,954.83	128.35	47.394		
1,400.00	1,388.49	15,708.51	7,060.94	6.95	283.85	167.97	1,645.62	-77.59	5,993.39	5,863.83	129.56	46.259		
1,500.00	1,487.20	15,702.97	7,060.94	7.38	283.66	167.85	1,645.51	-83.14	5,903.93	5,773.10	130.84	45.124		
1,600.00	1,585.91	15,697.41	7,060.94	7.81	283.48	167.73	1,645.40	-88.69	5,814.81	5,682.63	132.18	43.991		
1,700.00	1,684.62	15,691.85	7,060.95	8.25	283.30	167.61	1,645.28	-94.26	5,726.04	5,592.45	133.59	42.862		
1,800.00	1,783.33	15,686.27	7,060.95	8.70	283.11	167.50	1,645.17	-99.83	5,637.65	5,502.57	135.08	41.736		
1,900.00	1,882.04	15,680.69	7,060.95	9.15	282.93	167.38	1,645.05	-105.42	5,549.64	5,413.00	136.64	40.615		
2,000.00	1,980.75	15,675.09	7,060.96	9.60	282.75	167.26	1,644.93	-111.01	5,462.04	5,323.76	138.28	39.500		
2,100.00	2,079.46	15,669.49	7,060.96	10.05	282.56	167.14	1,644.81	-116.61	5,374.87	5,234.87	140.00	38.392		
2,200.00	2,178.17	15,663.87	7,060.96	10.51	282.38	167.01	1,644.69	-122.23	5,288.15	5,146.34	141.80	37.292		
2,300.00	2,276.88	15,658.25	7,060.96	10.97	282.19	166.89	1,644.56	-127.85	5,201.89	5,058.20	143.69	36.202		
2,400.00	2,375.59	15,652.61	7,060.97	11.43	282.01	166.77	1,644.44	-133.48	5,116.14	4,970.47	145.67	35.121		
2,500.00	2,474.31	15,646.97	7,060.97	11.89	281.82	166.65	1,644.31	-139.13	5,030.90	4,883.16	147.74	34.053		
2,600.00	2,573.02	15,641.31	7,060.97	12.36	281.64	166.53	1,644.18	-144.78	4,946.21	4,796.31	149.90	32.997		
2,700.00	2,671.73	15,635.65	7,060.98	12.82	281.45	166.41	1,644.05	-150.44	4,862.10	4,709.94	152.16	31.954		
2,800.00	2,770.44	15,629.97	7,060.98	13.29	281.26	166.29	1,643.91	-156.12	4,778.59	4,624.07	154.51	30.927		
2,900.00	2,869.15	15,624.66	7,060.98	13.76	281.09	166.17	1,643.79	-161.43	4,695.72	4,538.74	156.98	29.913		
3,000.00	2,967.86	15,619.54	7,060.99	14.23	280.92	166.06	1,643.66	-166.55	4,613.52	4,453.97	159.55	28.916		
3,100.00	3,066.57	15,614.41	7,060.99	14.70	280.75	165.95	1,643.54	-171.67	4,532.04	4,369.81	162.23	27.937		
3,200.00	3,165.28	15,609.29	7,060.99	15.17	280.59	165.84	1,643.42	-176.79	4,451.30	4,286.29	165.01	26.976		
3,300.00	3,263.99	15,604.17	7,060.99	15.64	280.42	165.73	1,643.29	-181.91	4,371.35	4,203.45	167.91	26.035		
3,400.00	3,362.70	15,599.04	7,061.00	16.11	280.25	165.62	1,643.17	-187.04	4,292.24	4,121.33	170.91	25.114		
3,500.00	3,461.41	15,593.92	7,061.00	16.59	280.08	165.51	1,643.05	-192.16	4,214.01	4,039.98	174.03	24.214		
3,600.00	3,560.12	15,588.80	7,061.00	17.06	279.91	165.40	1,642.92	-197.28	4,136.71	3,959.44	177.27	23.336		
3,700.00	3,658.84	15,583.67	7,061.00	17.53	279.74	165.29	1,642.80	-202.41	4,060.40	3,879.78	180.62	22.480		
3,800.00	3,757.55	15,578.54	7,061.01	18.01	279.58	165.18	1,642.68	-207.53	3,985.13	3,801.04	184.09	21.647		
3,900.00	3,856.26	15,573.42	7,061.01	18.48	279.41	165.07	1,642.55	-212.66	3,910.96	3,723.28	187.68	20.838		
4,000.00	3,954.97	15,568.29	7,061.01	18.96	279.24	164.96	1,642.43	-217.78	3,837.95	3,646.56	191.39	20.053		
4,100.00	4,053.68	15,563.16	7,061.01	19.44	279.07	164.85	1,642.31	-222.91	3,766.18	3,570.97	195.21	19.293		
4,200.00	4,152.39	15,558.03	7,061.02	19.91	278.90	164.74	1,642.18	-228.04	3,695.72	3,496.56	199.15	18.557		
4,300.00	4,251.10	15,552.90	7,061.02	20.39	278.73	164.62	1,642.06	-233.16	3,626.63	3,423.42	203.21	17.847		
4,400.00	4,349.81	15,551.53	7,061.02	20.87	278.69	164.59	1,642.02	-234.54	3,559.00	3,351.52	207.48	17.154		
4,500.00	4,448.52	15,544.98	7,061.02	21.34	278.47	164.45	1,641.86	-241.08	3,492.93	3,281.22	211.71	16.499		
4,600.00	4,547.23	15,538.46	7,061.03	21.82	278.26	164.31	1,641.71	-247.61	3,428.49	3,212.45	216.05	15.869		
4,700.00	4,645.94	15,531.95	7,061.03	22.30	278.05	164.17	1,641.55	-254.11	3,365.78	3,145.31	220.47	15.266		
4,800.00	4,744.65	15,525.46	7,061.03	22.78	277.83	164.03	1,641.39	-260.60	3,304.90	3,079.92	224.98	14.690		
4,900.00	4,843.37	15,519.00	7,061.04	23.26	277.62	163.89	1,641.23	-267.06	3,245.95	3,016.39	229.56	14.140		
5,000.00	4,942.08	15,512.55	7,061.04	23.74	277.41	163.75	1,641.06	-273.51	3,189.03	2,954.83	234.20	13.617		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	15,506.12	7,061.04	24.21	277.20	163.61	1,640.90	-279.93	3,134.26	2,895.38	238.88	13.121		
5,200.00	5,139.50	15,499.71	7,061.03	24.69	276.99	163.47	1,640.73	-286.34	3,081.75	2,838.15	243.59	12.651		
5,300.00	5,238.21	15,493.32	7,061.03	25.17	276.78	163.34	1,640.56	-292.73	3,031.62	2,783.30	248.31	12.209		
5,400.00	5,336.92	15,486.95	7,061.03	25.65	276.57	163.20	1,640.38	-299.10	2,983.99	2,730.97	253.02	11.793		
5,500.00	5,435.63	15,480.60	7,061.03	26.13	276.36	163.06	1,640.21	-305.44	2,938.98	2,681.29	257.69	11.405		
5,600.00	5,534.34	15,474.27	7,061.02	26.61	276.15	162.92	1,640.03	-311.77	2,896.71	2,634.41	262.30	11.043		
5,700.00	5,633.05	15,467.95	7,061.01	27.09	275.94	162.79	1,639.85	-318.09	2,857.31	2,590.49	266.82	10.709		
5,800.00	5,731.76	15,461.66	7,061.01	27.57	275.74	162.65	1,639.66	-324.38	2,820.90	2,549.68	271.22	10.401		
5,900.00	5,830.47	15,455.38	7,061.00	28.05	275.53	162.52	1,639.48	-330.65	2,787.58	2,512.12	275.46	10.120		
6,000.00	5,929.18	15,449.12	7,060.99	28.53	275.33	162.38	1,639.29	-336.91	2,757.48	2,477.95	279.53	9.865		
6,100.00	6,027.90	15,442.88	7,060.98	29.01	275.12	162.25	1,639.10	-343.14	2,730.70	2,447.33	283.38	9.636		
6,200.00	6,126.61	15,437.25	7,060.97	29.49	274.94	162.12	1,638.93	-348.77	2,707.35	2,420.34	287.01	9.433		
6,300.00	6,225.32	15,431.69	7,060.97	29.97	274.76	162.00	1,638.75	-354.34	2,687.50	2,397.14	290.36	9.256		
6,311.21	6,236.38	15,431.06	7,060.97	30.03	274.73	161.99	1,638.73	-354.96	2,685.49	2,394.78	290.72	9.238		
6,350.00	6,274.70	15,430.21	7,060.96	30.21	274.71	-176.63	1,638.71	-355.81	2,678.94	2,386.98	291.96	9.176		
6,400.00	6,324.03	15,433.00	7,060.97	30.43	274.80	-151.61	1,638.79	-353.02	2,671.41	2,377.79	293.62	9.098		
6,450.00	6,373.00	15,440.18	7,060.98	30.65	275.03	-135.16	1,639.02	-345.84	2,664.95	2,369.64	295.32	9.024		
6,500.00	6,421.31	15,452.78	7,061.00	30.84	275.45	-125.17	1,639.40	-333.25	2,659.58	2,362.48	297.10	8.952		
6,550.00	6,468.66	15,470.30	7,061.02	31.03	276.02	-118.77	1,639.91	-315.74	2,655.28	2,356.33	298.94	8.882		
6,600.00	6,514.76	15,492.40	7,061.03	31.20	276.75	-114.33	1,640.53	-293.64	2,652.00	2,351.17	300.83	8.816		
6,650.00	6,559.32	15,518.97	7,061.04	31.37	277.62	-111.01	1,641.23	-267.09	2,649.67	2,346.92	302.76	8.752		
6,700.00	6,602.08	15,549.81	7,061.02	31.52	278.63	-108.35	1,641.98	-236.26	2,648.22	2,343.49	304.73	8.690		
6,750.00	6,642.77	15,575.32	7,061.01	31.65	279.47	-106.29	1,642.60	-210.75	2,647.60	2,341.24	306.36	8.642		
6,767.16	6,656.21	15,585.84	7,061.00	31.70	279.81	-105.63	1,642.85	-200.24	2,647.56	2,340.59	306.97	8.625 CC		
6,800.00	6,681.13	15,606.96	7,060.99	31.78	280.51	-104.45	1,643.36	-179.12	2,647.71	2,339.57	308.14	8.593		
6,850.00	6,716.93	15,643.61	7,060.97	31.89	281.71	-102.80	1,644.23	-142.49	2,648.42	2,338.41	310.01	8.543		
6,900.00	6,749.95	15,686.58	7,060.95	31.99	283.12	-101.26	1,645.18	-99.53	2,649.57	2,337.51	312.06	8.490		
6,950.00	6,779.98	15,732.50	7,060.93	32.08	284.63	-99.88	1,646.08	-53.61	2,651.02	2,336.85	314.17	8.438		
7,000.00	6,806.85	15,756.10	7,060.91	32.16	285.41	-98.91	1,646.64	-30.02	2,652.86	2,337.53	315.33	8.413		
7,050.00	6,830.38	15,785.80	7,060.90	32.24	286.38	-97.99	1,647.47	-0.33	2,655.07	2,338.38	316.70	8.384		
7,100.00	6,850.43	15,819.46	7,060.88	32.35	287.49	-97.14	1,648.60	33.31	2,657.59	2,339.39	318.20	8.352		
7,150.00	6,866.88	15,884.83	7,060.89	32.59	289.64	-96.19	1,650.67	98.65	2,660.00	2,338.97	321.03	8.286		
7,200.00	6,879.62	15,951.95	7,060.97	32.99	291.84	-95.46	1,652.32	165.75	2,661.95	2,338.03	323.92	8.218		
7,250.00	6,888.58	15,984.19	7,061.01	33.48	292.90	-95.05	1,653.16	197.97	2,663.75	2,338.36	325.39	8.186		
7,300.00	6,893.70	16,022.60	7,061.04	34.02	294.16	-94.73	1,654.30	236.37	2,665.51	2,338.38	327.13	8.148		
7,339.40	6,895.01	16,064.25	7,061.06	34.48	295.53	-94.57	1,655.63	278.00	2,666.79	2,337.81	328.98	8.106		
7,400.00	6,895.16	16,137.37	7,061.08	35.24	297.93	-94.56	1,657.71	351.08	2,668.42	2,336.17	332.25	8.031 ES		
7,500.00	6,895.43	16,175.00	7,061.08	36.64	299.17	-94.56	1,658.67	388.71	2,671.58	2,337.31	334.27	7.992 SF		
7,600.00	6,895.69	16,175.00	7,061.08	38.20	299.17	-94.56	1,658.67	388.71	2,678.22	2,343.73	334.49	8.007		
7,700.00	6,895.95	16,175.00	7,061.08	39.91	299.17	-94.56	1,658.67	388.71	2,688.57	2,354.15	334.42	8.039		
7,800.00	6,896.21	16,175.00	7,061.08	41.75	299.17	-94.56	1,658.67	388.71	2,702.59	2,368.54	334.05	8.090		
7,900.00	6,896.47	16,175.00	7,061.08	43.69	299.17	-94.56	1,658.67	388.71	2,720.21	2,386.84	333.37	8.160		
8,000.00	6,896.74	16,175.00	7,061.08	45.73	299.17	-94.56	1,658.67	388.71	2,741.37	2,408.98	332.39	8.247		
8,100.00	6,897.00	16,175.00	7,061.08	47.85	299.17	-94.56	1,658.67	388.71	2,765.98	2,434.87	331.12	8.354		
8,200.00	6,897.26	16,175.00	7,061.08	50.04	299.17	-94.56	1,658.67	388.71	2,793.96	2,464.41	329.55	8.478		
8,300.00	6,897.52	16,175.00	7,061.08	52.30	299.17	-94.56	1,658.67	388.71	2,825.20	2,497.48	327.72	8.621		
8,400.00	6,897.78	16,175.00	7,061.08	54.61	299.17	-94.56	1,658.67	388.71	2,859.60	2,533.97	325.64	8.782		
8,500.00	6,898.05	16,175.00	7,061.08	56.98	299.17	-94.56	1,658.67	388.71	2,897.05	2,573.72	323.33	8.960		
8,600.00	6,898.31	16,175.00	7,061.08	59.38	299.17	-94.56	1,658.67	388.71	2,937.42	2,616.61	320.81	9.156		
8,700.00	6,898.57	16,175.00	7,061.08	61.82	299.17	-94.56	1,658.67	388.71	2,980.60	2,662.49	318.11	9.370		
8,800.00	6,898.83	16,175.00	7,061.08	64.30	299.17	-94.56	1,658.67	388.71	3,026.48	2,711.23	315.25	9.600		
8,900.00	6,899.10	16,175.00	7,061.08	66.81	299.17	-94.56	1,658.67	388.71	3,074.92	2,762.66	312.26	9.847		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	16,175.00	7,061.08	69.34	299.17	-94.56	1,658.67	388.71	3,125.81	2,816.66	309.15	10.111		
9,100.00	6,899.62	16,175.00	7,061.08	71.90	299.17	-94.56	1,658.67	388.71	3,179.03	2,873.08	305.95	10.391		
9,200.00	6,899.88	16,175.00	7,061.08	74.48	299.17	-94.56	1,658.67	388.71	3,234.47	2,931.79	302.68	10.686		
9,300.00	6,900.14	16,175.00	7,061.08	77.08	299.17	-94.56	1,658.67	388.71	3,292.01	2,992.65	299.36	10.997		
9,400.00	6,900.41	16,175.00	7,061.08	79.70	299.17	-94.56	1,658.67	388.71	3,351.55	3,055.55	296.00	11.323		
9,500.00	6,900.67	16,175.00	7,061.08	82.33	299.17	-94.56	1,658.67	388.71	3,412.99	3,120.36	292.63	11.663		
9,600.00	6,900.93	16,175.00	7,061.08	84.97	299.17	-94.56	1,658.67	388.71	3,476.21	3,186.97	289.24	12.018		
9,700.00	6,901.19	16,175.00	7,061.08	87.63	299.17	-94.56	1,658.67	388.71	3,541.13	3,255.27	285.86	12.388		
9,800.00	6,901.45	16,175.00	7,061.08	90.31	299.17	-94.56	1,658.67	388.71	3,607.65	3,325.15	282.50	12.771		
9,900.00	6,901.72	16,175.00	7,061.08	92.99	299.17	-94.56	1,658.67	388.71	3,675.69	3,396.53	279.16	13.167		
10,000.00	6,901.98	16,175.00	7,061.08	95.68	299.17	-94.56	1,658.67	388.71	3,745.16	3,469.31	275.86	13.577		
10,100.00	6,902.24	16,175.00	7,061.08	98.38	299.17	-94.56	1,658.67	388.71	3,815.99	3,543.40	272.59	13.999		
10,200.00	6,902.50	16,175.00	7,061.08	101.09	299.17	-94.56	1,658.67	388.71	3,888.11	3,618.73	269.38	14.434		
10,300.00	6,902.76	16,175.00	7,061.08	103.81	299.17	-94.56	1,658.67	388.71	3,961.43	3,695.22	266.21	14.881		
10,400.00	6,903.03	16,175.00	7,061.08	106.53	299.17	-94.56	1,658.67	388.71	4,035.90	3,772.80	263.10	15.340		
10,500.00	6,903.29	16,175.00	7,061.08	109.26	299.17	-94.56	1,658.67	388.71	4,111.45	3,851.40	260.05	15.810		
10,600.00	6,903.55	16,175.00	7,061.08	112.00	299.17	-94.56	1,658.67	388.71	4,188.03	3,930.97	257.06	16.292		
10,700.00	6,903.81	16,175.00	7,061.08	114.75	299.17	-94.56	1,658.67	388.71	4,265.58	4,011.44	254.14	16.785		
10,800.00	6,904.08	16,175.00	7,061.08	117.49	299.17	-94.56	1,658.67	388.71	4,344.04	4,092.77	251.28	17.288		
10,900.00	6,904.34	16,175.00	7,061.08	120.25	299.17	-94.56	1,658.67	388.71	4,423.38	4,174.90	248.48	17.802		
11,000.00	6,904.60	16,175.00	7,061.08	123.00	299.17	-94.56	1,658.67	388.71	4,503.54	4,257.79	245.75	18.326		
11,100.00	6,904.86	16,175.00	7,061.08	125.77	299.17	-94.56	1,658.67	388.71	4,584.47	4,341.39	243.08	18.860		
11,200.00	6,905.12	16,175.00	7,061.08	128.53	299.17	-94.56	1,658.67	388.71	4,666.15	4,425.66	240.49	19.403		
11,300.00	6,905.39	16,175.00	7,061.08	131.30	299.17	-94.56	1,658.67	388.71	4,748.53	4,510.57	237.95	19.956		
11,400.00	6,905.65	16,175.00	7,061.08	134.08	299.17	-94.56	1,658.67	388.71	4,831.57	4,596.08	235.49	20.518		
11,500.00	6,905.91	16,175.00	7,061.08	136.85	299.17	-94.56	1,658.67	388.71	4,915.24	4,682.16	233.08	21.088		
11,600.00	6,906.17	16,175.00	7,061.08	139.63	299.17	-94.56	1,658.67	388.71	4,999.52	4,768.78	230.74	21.667		
11,700.00	6,906.43	16,175.00	7,061.08	142.42	299.17	-94.56	1,658.67	388.71	5,084.36	4,855.90	228.46	22.255		
11,800.00	6,906.70	16,175.00	7,061.08	145.20	299.17	-94.56	1,658.67	388.71	5,169.75	4,943.50	226.24	22.850		
11,900.00	6,906.96	16,175.00	7,061.08	147.99	299.17	-94.56	1,658.67	388.71	5,255.65	5,031.56	224.09	23.454		
12,000.00	6,907.22	16,175.00	7,061.08	150.78	299.17	-94.56	1,658.67	388.71	5,342.04	5,120.05	221.99	24.065		
12,100.00	6,907.48	16,175.00	7,061.08	153.57	299.17	-94.56	1,658.67	388.71	5,428.90	5,208.96	219.95	24.683		
12,200.00	6,907.74	16,175.00	7,061.08	156.37	299.17	-94.56	1,658.67	388.71	5,516.21	5,298.25	217.96	25.308		
12,300.00	6,908.01	16,175.00	7,061.08	159.17	299.17	-94.56	1,658.67	388.71	5,603.93	5,387.91	216.03	25.941		
12,400.00	6,908.27	16,175.00	7,061.08	161.97	299.17	-94.56	1,658.67	388.71	5,692.07	5,477.92	214.15	26.580		
12,500.00	6,908.53	16,175.00	7,061.08	164.77	299.17	-94.56	1,658.67	388.71	5,780.59	5,568.27	212.32	27.226		
12,600.00	6,908.79	16,175.00	7,061.08	167.57	299.17	-94.56	1,658.67	388.71	5,869.48	5,658.93	210.54	27.878		
12,700.00	6,909.06	16,175.00	7,061.08	170.38	299.17	-94.56	1,658.67	388.71	5,958.72	5,749.90	208.82	28.536		
12,800.00	6,909.32	16,175.00	7,061.08	173.18	299.17	-94.56	1,658.67	388.71	6,048.29	5,841.16	207.14	29.200		
12,900.00	6,909.58	16,175.00	7,061.08	175.99	299.17	-94.56	1,658.67	388.71	6,138.19	5,932.69	205.50	29.869		
13,000.00	6,909.84	16,175.00	7,061.08	178.80	299.17	-94.56	1,658.67	388.71	6,228.40	6,024.49	203.91	30.544		
13,100.00	6,910.10	16,175.00	7,061.08	181.61	299.17	-94.56	1,658.67	388.71	6,318.90	6,116.54	202.37	31.225		
13,200.00	6,910.37	16,175.00	7,061.08	184.42	299.17	-94.56	1,658.67	388.71	6,409.69	6,208.82	200.86	31.911		
13,300.00	6,910.63	16,175.00	7,061.08	187.24	299.17	-94.56	1,658.67	388.71	6,500.74	6,301.34	199.40	32.601		
13,400.00	6,910.89	16,175.00	7,061.08	190.05	299.17	-94.56	1,658.67	388.71	6,592.06	6,394.08	197.98	33.297		
13,500.00	6,911.15	16,175.00	7,061.08	192.87	299.17	-94.56	1,658.67	388.71	6,683.62	6,487.02	196.60	33.997		
13,600.00	6,911.41	16,175.00	7,061.08	195.68	299.17	-94.56	1,658.67	388.71	6,775.42	6,580.17	195.25	34.701		
13,700.00	6,911.68	16,175.00	7,061.08	198.50	299.17	-94.56	1,658.67	388.71	6,867.45	6,673.51	193.94	35.410		
13,800.00	6,911.94	16,175.00	7,061.08	201.32	299.17	-94.56	1,658.67	388.71	6,959.70	6,767.03	192.67	36.123		
13,900.00	6,912.20	16,175.00	7,061.08	204.14	299.17	-94.56	1,658.67	388.71	7,052.16	6,860.74	191.43	36.840		
14,000.00	6,912.46	16,175.00	7,061.08	206.96	299.17	-94.56	1,658.67	388.71	7,144.83	6,954.61	190.22	37.561		
14,100.00	6,912.72	16,175.00	7,061.08	209.78	299.17	-94.56	1,658.67	388.71	7,237.69	7,048.64	189.05	38.285		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	16,175.00	7,061.08	212.61	299.17	-94.56	1,658.67	388.71	7,330.74	7,142.83	187.91	39.013		
14,300.00	6,913.25	16,175.00	7,061.08	215.43	299.17	-94.56	1,658.67	388.71	7,423.96	7,237.17	186.79	39.744		
14,400.00	6,913.51	16,175.00	7,061.08	218.26	299.17	-94.56	1,658.67	388.71	7,517.37	7,331.66	185.71	40.479		
14,500.00	6,913.77	16,175.00	7,061.08	221.08	299.17	-94.56	1,658.67	388.71	7,610.94	7,426.28	184.66	41.217		
14,600.00	6,914.04	16,175.00	7,061.08	223.91	299.17	-94.56	1,658.67	388.71	7,704.67	7,521.04	183.63	41.957		
14,700.00	6,914.30	16,175.00	7,061.08	226.73	299.17	-94.56	1,658.67	388.71	7,798.56	7,615.92	182.63	42.701		
14,800.00	6,914.56	16,175.00	7,061.08	229.56	299.17	-94.56	1,658.67	388.71	7,892.59	7,710.93	181.66	43.447		
14,900.00	6,914.82	16,175.00	7,061.08	232.39	299.17	-94.56	1,658.67	388.71	7,986.78	7,806.06	180.71	44.196		
15,000.00	6,915.08	16,175.00	7,061.08	235.22	299.17	-94.56	1,658.67	388.71	8,081.10	7,901.31	179.79	44.948		
15,100.00	6,915.35	16,175.00	7,061.08	238.05	299.17	-94.56	1,658.67	388.71	8,175.55	7,996.66	178.89	45.701		
15,200.00	6,915.61	16,175.00	7,061.08	240.88	299.17	-94.56	1,658.67	388.71	8,270.14	8,092.13	178.02	46.457		
15,300.00	6,915.87	16,175.00	7,061.08	243.71	299.17	-94.56	1,658.67	388.71	8,364.86	8,187.69	177.16	47.216		
15,400.00	6,916.13	16,175.00	7,061.08	246.54	299.17	-94.56	1,658.67	388.71	8,459.69	8,283.36	176.33	47.976		
15,500.00	6,916.39	16,175.00	7,061.08	249.37	299.17	-94.56	1,658.67	388.71	8,554.64	8,379.12	175.52	48.738		
15,600.00	6,916.66	16,175.00	7,061.08	252.20	299.17	-94.56	1,658.67	388.71	8,649.71	8,474.98	174.73	49.502		
15,700.00	6,916.92	16,175.00	7,061.08	255.03	299.17	-94.56	1,658.67	388.71	8,744.89	8,570.92	173.97	50.268		
15,800.00	6,917.18	16,175.00	7,061.08	257.87	299.17	-94.56	1,658.67	388.71	8,840.17	8,666.95	173.22	51.035		
15,900.00	6,917.44	16,175.00	7,061.08	260.70	299.17	-94.56	1,658.67	388.71	8,935.56	8,763.07	172.49	51.804		
16,000.00	6,917.70	16,175.00	7,061.08	263.53	299.17	-94.56	1,658.67	388.71	9,031.04	8,859.26	171.78	52.574		
16,100.00	6,917.97	16,175.00	7,061.08	266.37	299.17	-94.56	1,658.67	388.71	9,126.62	8,955.54	171.08	53.346		
16,200.00	6,918.23	16,175.00	7,061.08	269.20	299.17	-94.56	1,658.67	388.71	9,222.30	9,051.89	170.41	54.119		
16,300.00	6,918.49	16,175.00	7,061.08	272.04	299.17	-94.56	1,658.67	388.71	9,318.07	9,148.32	169.75	54.893		
16,400.00	6,918.75	16,175.00	7,061.08	274.87	299.17	-94.56	1,658.67	388.71	9,413.92	9,244.81	169.11	55.668		
16,500.00	6,919.02	16,175.00	7,061.08	277.71	299.17	-94.56	1,658.67	388.71	9,509.86	9,341.38	168.48	56.444		
16,600.00	6,919.28	16,175.00	7,061.08	280.55	299.17	-94.56	1,658.67	388.71	9,605.89	9,438.01	167.87	57.221		
16,700.00	6,919.54	16,175.00	7,061.08	283.38	299.17	-94.56	1,658.67	388.71	9,701.99	9,534.71	167.28	57.999		
16,800.00	6,919.80	16,175.00	7,061.08	286.22	299.17	-94.56	1,658.67	388.71	9,798.17	9,631.47	166.70	58.778		
16,900.00	6,920.06	16,175.00	7,061.08	289.06	299.17	-94.56	1,658.67	388.71	9,894.43	9,728.30	166.13	59.557		
17,000.00	6,920.33	16,175.00	7,061.08	291.90	299.17	-94.56	1,658.67	388.71	9,990.76	9,825.18	165.58	60.337		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2,239.00	2,159.58	3.28	14.67	-70.85	2,805.96	-8,080.88	8,832.70					
100.00	100.00	2,293.40	2,210.57	3.28	15.12	-70.94	2,788.73	-8,072.92	8,807.85	8,790.93	16.92	520.604		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.00	2,777.58	-8,068.26	8,783.78	8,766.60	17.18	511.201		
300.00	299.98	2,371.24	2,283.50	3.44	15.77	92.45	2,763.50	-8,062.79	8,760.43	8,742.87	17.56	498.863		
400.00	399.84	2,418.00	2,327.31	3.59	16.16	92.85	2,748.14	-8,057.20	8,737.83	8,719.82	18.01	485.182		
500.00	499.45	2,481.30	2,386.62	3.79	16.69	93.22	2,727.21	-8,050.01	8,715.89	8,697.26	18.63	467.831		
600.00	598.70	2,686.00	2,578.52	4.04	18.39	93.46	2,660.26	-8,025.70	8,693.95	8,673.63	20.32	427.884		
660.50	658.52	2,717.27	2,607.84	4.20	18.66	93.72	2,650.17	-8,021.70	8,680.34	8,659.65	20.69	419.575		
700.00	697.51	2,731.94	2,621.61	4.31	18.78	93.71	2,645.44	-8,019.89	8,671.62	8,650.73	20.90	414.975		
800.00	796.22	2,775.00	2,662.03	4.63	19.14	93.68	2,631.49	-8,014.83	8,650.04	8,628.54	21.49	402.447		
900.00	894.93	2,812.96	2,697.67	4.98	19.45	93.65	2,619.11	-8,010.67	8,629.09	8,607.00	22.09	390.650		
1,000.00	993.64	2,865.00	2,746.50	5.34	19.89	93.60	2,601.89	-8,005.40	8,608.76	8,585.95	22.81	377.358		
1,100.00	1,092.35	2,949.50	2,825.76	5.73	20.59	93.53	2,573.74	-7,997.22	8,588.81	8,565.00	23.80	360.846		
1,200.00	1,191.06	3,056.52	2,926.12	6.13	21.49	93.44	2,538.11	-7,986.77	8,568.81	8,543.84	24.97	343.104		
1,300.00	1,289.78	3,140.89	3,005.26	6.54	22.19	93.37	2,510.03	-7,978.58	8,548.89	8,522.89	26.00	328.853		
1,400.00	1,388.49	1,400.00	3,156.65	6.95	8.01	93.24	2,456.50	-7,962.07	8,528.49	8,514.54	13.95	611.435		
1,500.00	1,487.20	3,371.30	3,221.37	7.38	24.14	93.18	2,433.74	-7,954.78	8,507.95	8,479.42	28.52	298.270		
1,600.00	1,585.91	3,992.96	3,804.33	7.81	29.43	92.77	2,237.81	-7,866.90	8,484.03	8,450.74	33.28	254.891		
1,700.00	1,684.62	4,028.00	3,837.19	8.25	29.73	92.75	2,227.36	-7,860.71	8,458.11	8,424.14	33.97	249.011		
1,800.00	1,783.33	4,061.82	3,868.94	8.70	30.02	92.74	2,217.17	-7,855.04	8,432.90	8,398.25	34.65	243.350		
1,900.00	1,882.04	4,117.00	3,920.77	9.15	30.49	92.70	2,200.21	-7,846.67	8,408.67	8,373.18	35.49	236.933		
2,000.00	1,980.75	4,117.00	3,920.77	9.60	30.49	92.70	2,200.21	-7,846.67	8,384.91	8,348.95	35.96	233.166		
2,100.00	2,079.46	4,168.24	3,968.89	10.05	30.93	92.67	2,184.08	-7,839.63	8,362.00	8,325.20	36.79	227.269		
2,200.00	2,178.17	4,233.19	4,029.81	10.51	31.48	92.62	2,163.14	-7,831.25	8,339.59	8,301.86	37.73	221.039		
2,300.00	2,276.88	4,348.94	4,138.32	10.97	32.48	92.53	2,125.70	-7,816.41	8,317.26	8,278.23	39.03	213.087		
2,400.00	2,375.59	2,400.00	4,388.59	11.43	15.84	92.34	2,040.75	-7,778.97	8,294.35	8,268.78	25.58	324.288		
2,500.00	2,474.31	4,773.33	4,536.21	11.89	36.13	92.25	1,992.48	-7,753.12	8,269.10	8,226.18	42.91	192.687		
2,600.00	2,573.02	4,833.00	4,592.12	12.36	36.65	92.21	1,974.01	-7,743.53	8,244.22	8,200.40	43.82	188.154		
2,700.00	2,671.73	4,897.08	4,652.15	12.82	37.21	92.17	1,953.93	-7,733.59	8,219.75	8,174.99	44.76	183.654		
2,800.00	2,770.44	4,980.35	4,730.15	13.29	37.93	92.11	1,927.63	-7,720.95	8,195.53	8,149.70	45.83	178.818		
2,900.00	2,869.15	5,046.38	4,792.01	13.76	38.50	92.06	1,906.76	-7,711.05	8,171.52	8,124.73	46.79	174.627		
3,000.00	2,967.86	5,102.00	4,844.14	14.23	38.98	92.02	1,889.12	-7,703.04	8,148.00	8,100.31	47.69	170.858		
3,100.00	3,066.57	5,162.88	4,901.24	14.70	39.51	91.98	1,869.77	-7,694.59	8,124.96	8,076.33	48.62	167.100		
3,200.00	3,165.28	5,226.87	4,961.30	15.17	40.06	91.93	1,849.44	-7,685.97	8,102.32	8,052.74	49.58	163.417		
3,300.00	3,263.99	5,292.86	5,023.31	15.64	40.62	91.88	1,828.58	-7,677.32	8,080.08	8,029.53	50.55	159.831		
3,400.00	3,362.70	5,370.00	5,095.76	16.11	41.28	91.82	1,803.96	-7,667.55	8,058.18	8,006.57	51.61	156.140		
3,500.00	3,461.41	5,429.16	5,151.31	16.59	41.79	91.77	1,784.91	-7,660.35	8,036.63	7,984.09	52.54	152.951		
3,600.00	3,560.12	5,501.54	5,219.32	17.06	42.40	91.71	1,761.67	-7,651.81	8,015.49	7,961.92	53.57	149.620		
3,700.00	3,658.84	5,639.34	5,348.91	17.53	43.57	91.60	1,717.79	-7,635.42	7,994.43	7,939.37	55.06	145.207		
3,800.00	3,757.55	5,676.82	5,384.13	18.01	43.89	91.57	1,705.75	-7,630.99	7,973.31	7,917.46	55.85	142.775		
3,900.00	3,856.26	5,728.00	5,432.23	18.48	44.32	91.53	1,689.16	-7,625.47	7,952.96	7,896.22	56.73	140.184		
4,000.00	3,954.97	4,000.00	5,687.21	18.96	29.50	91.29	1,601.16	-7,593.42	7,931.90	7,887.50	44.40	178.657		
4,100.00	4,053.68	6,045.44	5,730.22	19.44	47.04	91.26	1,586.65	-7,587.46	7,909.88	7,849.86	60.02	131.778		
4,200.00	4,152.39	6,086.00	5,768.33	19.91	47.38	91.22	1,573.68	-7,582.54	7,888.59	7,827.75	60.84	129.658		
4,300.00	4,251.10	6,317.43	5,985.53	20.39	49.37	91.04	1,499.84	-7,552.15	7,865.76	7,802.78	62.97	124.910		
4,400.00	4,349.81	6,355.00	6,020.78	20.87	49.70	91.00	1,487.80	-7,547.27	7,843.58	7,779.81	63.77	122.990		
4,500.00	4,448.52	6,355.00	6,020.78	21.34	49.70	91.00	1,487.80	-7,547.27	7,822.36	7,758.04	64.32	121.620		
4,600.00	4,547.23	6,412.66	6,074.89	21.82	50.19	90.95	1,469.01	-7,540.63	7,801.69	7,736.43	65.27	119.533		
4,700.00	4,645.94	6,445.00	6,105.23	22.30	50.47	90.92	1,458.31	-7,537.37	7,782.01	7,715.97	66.04	117.843		
4,800.00	4,744.65	6,483.44	6,141.35	22.78	50.79	90.88	1,445.62	-7,533.80	7,763.12	7,696.27	66.85	116.129		
4,900.00	4,843.37	6,534.00	6,188.96	23.26	51.21	90.83	1,429.20	-7,529.45	7,745.00	7,677.25	67.75	114.322		
5,000.00	4,942.08	6,534.00	6,188.96	23.74	51.21	90.83	1,429.20	-7,529.45	7,727.72	7,659.45	68.27	113.191		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	6,534.00	6,188.96	24.21	51.21	90.83	1,429.20	-7,529.45	7,711.70	7,642.91	68.79	112.109		
5,200.00	5,139.50	6,534.00	6,188.96	24.69	51.21	90.83	1,429.20	-7,529.45	7,696.94	7,627.65	69.29	111.076		
5,300.00	5,238.21	6,584.84	6,236.97	25.17	51.61	90.78	1,412.76	-7,526.38	7,682.26	7,612.07	70.18	109.462		
5,400.00	5,336.92	6,624.00	6,273.97	25.65	51.92	90.74	1,399.98	-7,525.54	7,669.62	7,598.64	70.98	108.054		
5,500.00	5,435.63	6,624.00	6,273.97	26.13	51.92	90.74	1,399.98	-7,525.54	7,657.55	7,586.08	71.47	107.147		
5,600.00	5,534.34	6,624.00	6,273.97	26.61	51.92	90.74	1,399.98	-7,525.54	7,646.77	7,574.82	71.95	106.286		
5,700.00	5,633.05	6,624.00	6,273.97	27.09	51.92	90.74	1,399.98	-7,525.54	7,637.28	7,564.87	72.41	105.469		
5,800.00	5,731.76	6,624.00	6,273.97	27.57	51.92	90.74	1,399.98	-7,525.54	7,629.10	7,556.23	72.87	104.696		
5,900.00	5,830.47	6,624.00	6,273.97	28.05	51.92	90.74	1,399.98	-7,525.54	7,622.21	7,548.90	73.31	103.967		
6,000.00	5,929.18	6,624.00	6,273.97	28.53	51.92	90.74	1,399.98	-7,525.54	7,616.64	7,542.89	73.75	103.280		
6,100.00	6,027.90	6,668.38	6,315.90	29.01	52.23	90.68	1,385.48	-7,526.73	7,610.90	7,536.35	74.55	102.098		
6,200.00	6,126.61	6,714.00	6,358.83	29.49	52.54	90.62	1,370.67	-7,530.87	7,608.33	7,532.98	75.35	100.971		
6,300.00	6,225.32	6,714.00	6,358.83	29.97	52.54	90.62	1,370.67	-7,530.87	7,605.53	7,529.77	75.76	100.390		
6,311.21	6,236.38	6,714.00	6,358.83	30.03	52.54	90.62	1,370.67	-7,530.87	7,605.29	7,529.49	75.80	100.328		
6,323.49	6,248.51	6,714.00	6,358.83	30.08	52.54	97.35	1,370.67	-7,530.87	7,605.17	7,529.32	75.85	100.262 CC, ES		
6,350.00	6,274.70	6,714.00	6,358.83	30.21	52.54	112.63	1,370.67	-7,530.87	7,605.74	7,529.79	75.96	100.133		
6,400.00	6,324.03	6,714.00	6,358.83	30.43	52.54	138.39	1,370.67	-7,530.87	7,609.94	7,533.79	76.14	99.944		
6,450.00	6,373.00	6,714.00	6,358.83	30.65	52.54	155.50	1,370.67	-7,530.87	7,618.16	7,541.85	76.31	99.829		
6,500.00	6,421.31	6,714.00	6,358.83	30.84	52.54	166.06	1,370.67	-7,530.87	7,630.36	7,553.89	76.47	99.783 SF		
6,550.00	6,468.66	6,714.00	6,358.83	31.03	52.54	172.96	1,370.67	-7,530.87	7,646.43	7,569.82	76.62	99.803		
6,600.00	6,514.76	6,714.00	6,358.83	31.20	52.54	177.88	1,370.67	-7,530.87	7,666.26	7,589.51	76.75	99.885		
6,650.00	6,559.32	6,714.00	6,358.83	31.37	52.54	-178.30	1,370.67	-7,530.87	7,689.70	7,612.82	76.88	100.028		
6,700.00	6,602.08	6,714.00	6,358.83	31.52	52.54	-175.08	1,370.67	-7,530.87	7,716.56	7,639.57	76.99	100.228		
6,750.00	6,642.77	6,714.00	6,358.83	31.65	52.54	-172.16	1,370.67	-7,530.87	7,746.64	7,669.55	77.09	100.483		
6,800.00	6,681.13	6,714.00	6,358.83	31.78	52.54	-169.30	1,370.67	-7,530.87	7,779.74	7,702.55	77.19	100.790		
6,850.00	6,716.93	6,714.00	6,358.83	31.89	52.54	-166.34	1,370.67	-7,530.87	7,815.59	7,738.32	77.27	101.145		
6,900.00	6,749.95	6,714.00	6,358.83	31.99	52.54	-163.07	1,370.67	-7,530.87	7,853.95	7,776.61	77.35	101.544		
6,950.00	6,779.98	6,714.00	6,358.83	32.08	52.54	-159.30	1,370.67	-7,530.87	7,894.55	7,817.14	77.41	101.982		
7,000.00	6,806.85	6,714.00	6,358.83	32.16	52.54	-154.75	1,370.67	-7,530.87	7,937.10	7,859.63	77.47	102.454		
7,050.00	6,830.38	6,714.00	6,358.83	32.24	52.54	-149.07	1,370.67	-7,530.87	7,981.32	7,903.79	77.52	102.954		
7,100.00	6,850.43	6,714.00	6,358.83	32.35	52.54	-141.78	1,370.67	-7,530.87	8,026.89	7,949.32	77.57	103.478		
7,150.00	6,866.88	6,714.00	6,358.83	32.59	52.54	-132.32	1,370.67	-7,530.87	8,073.53	7,995.92	77.62	104.018		
7,200.00	6,879.62	6,714.00	6,358.83	32.99	52.54	-120.22	1,370.67	-7,530.87	8,120.93	8,043.27	77.66	104.569		
7,250.00	6,888.58	6,714.00	6,358.83	33.48	52.54	-105.71	1,370.67	-7,530.87	8,168.78	8,091.08	77.71	105.123		
7,300.00	6,893.70	6,714.00	6,358.83	34.02	52.54	-90.22	1,370.67	-7,530.87	8,216.79	8,139.04	77.76	105.675		
7,339.40	6,895.01	6,714.00	6,358.83	34.48	52.54	-78.74	1,370.67	-7,530.87	8,254.54	8,176.75	77.80	106.103		
7,400.00	6,895.16	6,714.00	6,358.83	35.24	52.54	-78.74	1,370.67	-7,530.87	8,312.47	8,234.61	77.87	106.751		
7,500.00	6,895.43	6,714.00	6,358.83	36.64	52.54	-78.74	1,370.67	-7,530.87	8,408.16	8,330.16	78.00	107.799		
7,600.00	6,895.69	6,714.00	6,358.83	38.20	52.54	-78.74	1,370.67	-7,530.87	8,503.94	8,425.80	78.14	108.823		
7,700.00	6,895.95	6,714.00	6,358.83	39.91	52.54	-78.74	1,370.67	-7,530.87	8,599.82	8,521.52	78.30	109.826		
7,800.00	6,896.21	6,714.00	6,358.83	41.75	52.54	-78.74	1,370.67	-7,530.87	8,695.80	8,617.32	78.48	110.808		
7,900.00	6,896.47	6,714.00	6,358.83	43.69	52.54	-78.74	1,370.67	-7,530.87	8,791.86	8,713.20	78.66	111.770		
8,000.00	6,896.74	6,714.00	6,358.83	45.73	52.54	-78.74	1,370.67	-7,530.87	8,888.01	8,809.15	78.85	112.714		
8,100.00	6,897.00	6,714.00	6,358.83	47.85	52.54	-78.74	1,370.67	-7,530.87	8,984.24	8,905.18	79.06	113.640		
8,200.00	6,897.26	6,714.00	6,358.83	50.04	52.54	-78.74	1,370.67	-7,530.87	9,080.56	9,001.29	79.27	114.549		
8,300.00	6,897.52	6,714.00	6,358.83	52.30	52.54	-78.74	1,370.67	-7,530.87	9,176.95	9,097.46	79.49	115.443		
8,400.00	6,897.78	6,714.00	6,358.83	54.61	52.54	-78.74	1,370.67	-7,530.87	9,273.42	9,193.70	79.72	116.322		
8,500.00	6,898.05	6,714.00	6,358.83	56.98	52.54	-78.74	1,370.67	-7,530.87	9,369.97	9,290.01	79.96	117.187		
8,600.00	6,898.31	6,714.00	6,358.83	59.38	52.54	-78.74	1,370.67	-7,530.87	9,466.58	9,386.38	80.20	118.040		
8,700.00	6,898.57	6,714.00	6,358.83	61.82	52.54	-78.74	1,370.67	-7,530.87	9,563.27	9,482.82	80.44	118.880		
8,800.00	6,898.83	6,714.00	6,358.83	64.30	52.54	-78.74	1,370.67	-7,530.87	9,660.02	9,579.32	80.70	119.709		
8,900.00	6,899.10	6,714.00	6,358.83	66.81	52.54	-78.74	1,370.67	-7,530.87	9,756.84	9,675.89	80.95	120.527		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Boomerang 21-5 - Orr State 36N-35C-M - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 20-MWD												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,899.36	6,714.00	6,358.83	69.34	52.54	-78.74	1,370.67	-7,530.87	9,853.72	9,772.51	81.21	121.335	
9,100.00	6,899.62	6,714.00	6,358.83	71.90	52.54	-78.74	1,370.67	-7,530.87	9,950.67	9,869.19	81.47	122.133	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-85.74	553.40	-7,428.56	7,449.16					
100.00	100.00	87.00	87.00	3.28	3.61	-85.74	553.40	-7,428.56	7,449.15	7,442.25	6.90	1,079.713		
200.00	200.00	187.00	187.00	3.34	5.80	-85.74	553.40	-7,428.56	7,449.15	7,440.01	9.14	815.329		
300.00	299.98	286.98	286.98	3.44	8.90	77.33	553.40	-7,428.56	7,448.76	7,436.42	12.34	603.681		
400.00	399.84	386.84	386.84	3.59	12.21	77.39	553.40	-7,428.56	7,447.62	7,431.82	15.80	471.466		
500.00	499.45	486.45	486.45	3.79	15.59	77.49	553.40	-7,428.56	7,445.72	7,426.34	19.37	384.344		
600.00	598.70	585.70	585.70	4.04	18.99	77.64	553.40	-7,428.56	7,443.07	7,420.06	23.02	323.375		
660.50	658.52	645.52	645.52	4.20	21.05	77.74	553.40	-7,428.56	7,441.12	7,415.88	25.24	294.768		
700.00	697.51	684.51	684.51	4.31	22.39	77.79	553.40	-7,428.56	7,439.77	7,413.06	26.71	278.580		
800.00	796.22	783.22	783.22	4.63	25.81	77.91	553.40	-7,428.56	7,436.35	7,405.92	30.44	244.318		
900.00	894.93	881.93	881.93	4.98	29.23	78.03	553.40	-7,428.56	7,432.98	7,398.77	34.20	217.322		
1,000.00	993.64	980.64	980.64	5.34	32.65	78.15	553.40	-7,428.56	7,429.63	7,391.64	37.99	195.544		
1,100.00	1,092.35	1,079.35	1,079.35	5.73	36.08	78.27	553.40	-7,428.56	7,426.32	7,384.51	41.81	177.629		
1,200.00	1,191.06	1,178.06	1,178.06	6.13	39.52	78.39	553.40	-7,428.56	7,423.04	7,377.40	45.64	162.650		
1,300.00	1,289.78	1,276.78	1,276.78	6.54	42.95	78.51	553.40	-7,428.56	7,419.79	7,370.31	49.48	149.949		
1,400.00	1,388.49	1,375.49	1,375.49	6.95	46.39	78.63	553.40	-7,428.56	7,416.58	7,363.25	53.34	139.051		
1,500.00	1,487.20	1,474.20	1,474.20	7.38	49.83	78.75	553.40	-7,428.56	7,413.40	7,356.20	57.20	129.602		
1,600.00	1,585.91	1,572.91	1,572.91	7.81	53.27	78.87	553.40	-7,428.56	7,410.26	7,349.18	61.07	121.334		
1,700.00	1,684.62	1,671.62	1,671.62	8.25	56.71	78.99	553.40	-7,428.56	7,407.14	7,342.19	64.95	114.041		
1,800.00	1,783.33	1,770.33	1,770.33	8.70	60.15	79.11	553.40	-7,428.56	7,404.06	7,335.23	68.84	107.562		
1,900.00	1,882.04	1,869.04	1,869.04	9.15	63.59	79.23	553.40	-7,428.56	7,401.02	7,328.29	72.72	101.769		
2,000.00	1,980.75	1,967.75	1,967.75	9.60	67.03	79.35	553.40	-7,428.56	7,398.00	7,321.39	76.62	96.560		
2,100.00	2,079.46	2,066.46	2,066.46	10.05	70.47	79.47	553.40	-7,428.56	7,395.02	7,314.51	80.51	91.850		
2,200.00	2,178.17	2,165.17	2,165.17	10.51	73.91	79.59	553.40	-7,428.56	7,392.08	7,307.67	84.41	87.573		
2,300.00	2,276.88	2,263.88	2,263.88	10.97	77.36	79.71	553.40	-7,428.56	7,389.16	7,300.85	88.31	83.671		
2,400.00	2,375.59	2,362.59	2,362.59	11.43	80.80	79.83	553.40	-7,428.56	7,386.29	7,294.07	92.22	80.098		
2,500.00	2,474.31	2,461.31	2,461.31	11.89	84.24	79.95	553.40	-7,428.56	7,383.44	7,287.32	96.12	76.813		
2,600.00	2,573.02	2,560.02	2,560.02	12.36	87.69	80.07	553.40	-7,428.56	7,380.63	7,280.60	100.03	73.784		
2,700.00	2,671.73	2,658.73	2,658.73	12.82	91.13	80.19	553.40	-7,428.56	7,377.85	7,273.91	103.94	70.982		
2,800.00	2,770.44	2,757.44	2,757.44	13.29	94.57	80.31	553.40	-7,428.56	7,375.10	7,267.25	107.85	68.383		
2,900.00	2,869.15	2,856.15	2,856.15	13.76	98.02	80.43	553.40	-7,428.56	7,372.39	7,260.63	111.76	65.965		
3,000.00	2,967.86	2,954.86	2,954.86	14.23	101.46	80.55	553.40	-7,428.56	7,369.72	7,254.04	115.68	63.710		
3,100.00	3,066.57	3,053.57	3,053.57	14.70	104.91	80.67	553.40	-7,428.56	7,367.07	7,247.48	119.59	61.603		
3,200.00	3,165.28	3,152.28	3,152.28	15.17	108.35	80.80	553.40	-7,428.56	7,364.46	7,240.96	123.51	59.629		
3,300.00	3,263.99	3,250.99	3,250.99	15.64	111.79	80.92	553.40	-7,428.56	7,361.89	7,234.47	127.42	57.776		
3,400.00	3,362.70	3,349.70	3,349.70	16.11	115.24	81.04	553.40	-7,428.56	7,359.35	7,228.01	131.34	56.033		
3,500.00	3,461.41	3,448.41	3,448.41	16.59	118.68	81.16	553.40	-7,428.56	7,356.84	7,221.58	135.26	54.392		
3,600.00	3,560.12	3,547.12	3,547.12	17.06	122.13	81.28	553.40	-7,428.56	7,354.36	7,215.19	139.17	52.843		
3,700.00	3,658.84	3,645.84	3,645.84	17.53	125.57	81.40	553.40	-7,428.56	7,351.92	7,208.83	143.09	51.378		
3,800.00	3,757.55	3,744.55	3,744.55	18.01	129.02	81.53	553.40	-7,428.56	7,349.52	7,202.50	147.01	49.992		
3,900.00	3,856.26	3,843.26	3,843.26	18.48	132.46	81.65	553.40	-7,428.56	7,347.15	7,196.21	150.93	48.678		
4,000.00	3,954.97	3,941.97	3,941.97	18.96	135.91	81.77	553.40	-7,428.56	7,344.81	7,189.95	154.85	47.430		
4,100.00	4,053.68	4,040.68	4,040.68	19.44	139.35	81.89	553.40	-7,428.56	7,342.51	7,183.73	158.78	46.245		
4,200.00	4,152.39	4,139.39	4,139.39	19.91	142.80	82.01	553.40	-7,428.56	7,340.24	7,177.54	162.70	45.116		
4,300.00	4,251.10	4,238.10	4,238.10	20.39	146.24	82.14	553.40	-7,428.56	7,338.00	7,171.38	166.62	44.040		
4,400.00	4,349.81	4,336.81	4,336.81	20.87	149.69	82.26	553.40	-7,428.56	7,335.80	7,165.26	170.54	43.015		
4,500.00	4,448.52	4,435.52	4,435.52	21.34	153.13	82.38	553.40	-7,428.56	7,333.63	7,159.17	174.46	42.035		
4,600.00	4,547.23	4,534.23	4,534.23	21.82	156.58	82.50	553.40	-7,428.56	7,331.50	7,153.11	178.39	41.099		
4,700.00	4,645.94	4,632.94	4,632.94	22.30	160.02	82.63	553.40	-7,428.56	7,329.40	7,147.09	182.31	40.203		
4,800.00	4,744.65	4,731.65	4,731.65	22.78	163.47	82.75	553.40	-7,428.56	7,327.34	7,141.10	186.23	39.345		
4,900.00	4,843.37	4,830.37	4,830.37	23.26	166.92	82.87	553.40	-7,428.56	7,325.31	7,135.15	190.16	38.522		
5,000.00	4,942.08	4,929.08	4,929.08	23.74	170.36	82.99	553.40	-7,428.56	7,323.32	7,129.23	194.08	37.733		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,027.79	5,027.79	24.21	173.81	83.12	553.40	-7,428.56	7,321.35	7,123.35	198.01	36.975		
5,200.00	5,139.50	5,126.50	5,126.50	24.69	177.25	83.24	553.40	-7,428.56	7,319.43	7,117.50	201.93	36.247		
5,300.00	5,238.21	5,225.21	5,225.21	25.17	180.70	83.36	553.40	-7,428.56	7,317.54	7,111.68	205.86	35.547		
5,400.00	5,336.92	5,323.92	5,323.92	25.65	184.14	83.48	553.40	-7,428.56	7,315.68	7,105.90	209.78	34.873		
5,500.00	5,435.63	5,422.63	5,422.63	26.13	187.59	83.61	553.40	-7,428.56	7,313.86	7,100.15	213.71	34.224		
5,600.00	5,534.34	5,521.34	5,521.34	26.61	191.03	83.73	553.40	-7,428.56	7,312.07	7,094.44	217.63	33.598		
5,700.00	5,633.05	5,620.05	5,620.05	27.09	194.48	83.85	553.40	-7,428.56	7,310.32	7,088.76	221.56	32.995		
5,800.00	5,731.76	5,718.76	5,718.76	27.57	197.92	83.98	553.40	-7,428.56	7,308.60	7,083.12	225.48	32.413		
5,900.00	5,830.47	5,817.47	5,817.47	28.05	201.37	84.10	553.40	-7,428.56	7,306.92	7,077.51	229.41	31.851		
6,000.00	5,929.18	5,916.18	5,916.18	28.53	204.82	84.22	553.40	-7,428.56	7,305.27	7,071.93	233.34	31.308		
6,100.00	6,027.90	6,014.90	6,014.90	29.01	208.26	84.35	553.40	-7,428.56	7,303.65	7,066.39	237.26	30.783		
6,200.00	6,126.61	6,113.61	6,113.61	29.49	211.71	84.47	553.40	-7,428.56	7,302.07	7,060.88	241.19	30.275		
6,300.00	6,225.32	6,212.32	6,212.32	29.97	215.15	84.59	553.40	-7,428.56	7,300.53	7,055.41	245.11	29.784		
6,311.21	6,236.38	6,223.38	6,223.38	30.03	215.54	84.61	553.40	-7,428.56	7,300.36	7,054.80	245.55	29.730		
6,321.08	6,246.13	6,233.13	6,233.13	30.07	215.88	90.00	553.40	-7,428.56	7,300.28	7,054.34	245.94	29.683 CC		
6,350.00	6,274.70	6,261.70	6,261.70	30.21	216.88	106.66	553.40	-7,428.56	7,300.93	7,053.85	247.08	29.549 ES		
6,400.00	6,324.03	6,311.03	6,311.03	30.43	218.60	132.43	553.40	-7,428.56	7,305.08	7,056.05	249.02	29.335		
6,450.00	6,373.00	6,360.00	6,360.00	30.65	220.31	149.51	553.40	-7,428.56	7,313.05	7,062.11	250.95	29.142		
6,500.00	6,421.31	6,408.31	6,408.31	30.84	221.99	159.99	553.40	-7,428.56	7,324.79	7,071.96	252.83	28.971		
6,550.00	6,468.66	6,455.66	6,455.66	31.03	223.65	166.76	553.40	-7,428.56	7,340.23	7,085.57	254.67	28.823		
6,600.00	6,514.76	6,501.76	6,501.76	31.20	225.26	171.48	553.40	-7,428.56	7,359.27	7,102.82	256.45	28.697		
6,650.00	6,559.32	6,546.32	6,546.32	31.37	226.81	175.03	553.40	-7,428.56	7,381.79	7,123.62	258.17	28.593		
6,700.00	6,602.08	6,589.08	6,589.08	31.52	228.30	177.90	553.40	-7,428.56	7,407.65	7,147.84	259.81	28.512		
6,750.00	6,642.77	6,629.77	6,629.77	31.65	229.72	-179.63	553.40	-7,428.56	7,436.69	7,175.33	261.37	28.453		
6,800.00	6,681.13	6,668.13	6,668.13	31.78	231.06	-177.35	553.40	-7,428.56	7,468.74	7,205.91	262.83	28.417		
6,850.00	6,716.93	6,703.93	6,703.93	31.89	232.31	-175.11	553.40	-7,428.56	7,503.58	7,239.40	264.19	28.402 SF		
6,900.00	6,749.95	6,736.95	6,736.95	31.99	233.46	-172.77	553.40	-7,428.56	7,541.02	7,275.58	265.44	28.410		
6,950.00	6,779.98	6,766.98	6,766.98	32.08	234.51	-170.17	553.40	-7,428.56	7,580.82	7,314.25	266.57	28.439		
7,000.00	6,806.85	6,806.15	6,793.85	32.16	235.88	-167.14	553.40	-7,428.56	7,622.73	7,354.73	268.00	28.443		
7,050.00	6,830.38	6,817.38	6,817.38	32.24	236.27	-163.38	553.40	-7,428.56	7,666.51	7,398.05	268.45	28.558		
7,100.00	6,850.43	6,837.43	6,837.43	32.35	236.97	-158.49	553.40	-7,428.56	7,711.87	7,442.68	269.19	28.648		
7,150.00	6,866.88	6,853.88	6,853.88	32.59	237.55	-151.77	553.40	-7,428.56	7,758.55	7,488.75	269.80	28.757		
7,200.00	6,879.62	6,866.62	6,866.62	32.99	237.99	-142.11	553.40	-7,428.56	7,806.25	7,535.99	270.27	28.883		
7,250.00	6,888.58	6,875.58	6,875.58	33.48	238.30	-127.94	553.40	-7,428.56	7,854.70	7,584.10	270.60	29.027		
7,300.00	6,893.70	6,880.70	6,880.70	34.02	238.48	-108.35	553.40	-7,428.56	7,903.58	7,632.79	270.78	29.188		
7,339.40	6,895.01	6,882.01	6,882.01	34.48	238.53	-90.75	553.40	-7,428.56	7,942.22	7,671.38	270.83	29.325		
7,400.00	6,895.16	6,882.16	6,882.16	35.24	238.53	-90.75	553.40	-7,428.56	8,001.63	7,730.79	270.85	29.543		
7,500.00	6,895.43	6,882.43	6,882.43	36.64	238.54	-90.76	553.40	-7,428.56	8,099.72	7,828.85	270.87	29.902		
7,600.00	6,895.69	6,882.69	6,882.69	38.20	238.55	-90.77	553.40	-7,428.56	8,197.86	7,926.95	270.91	30.260		
7,700.00	6,895.95	6,882.95	6,882.95	39.91	238.56	-90.78	553.40	-7,428.56	8,296.04	8,025.09	270.95	30.618		
7,800.00	6,896.21	6,883.21	6,883.21	41.75	238.57	-90.79	553.40	-7,428.56	8,394.27	8,123.26	271.01	30.975		
7,900.00	6,896.47	6,883.47	6,883.47	43.69	238.58	-90.80	553.40	-7,428.56	8,492.54	8,221.47	271.06	31.330		
8,000.00	6,896.74	6,883.74	6,883.74	45.73	238.59	-90.81	553.40	-7,428.56	8,590.84	8,319.71	271.13	31.685		
8,100.00	6,897.00	6,884.00	6,884.00	47.85	238.60	-90.82	553.40	-7,428.56	8,689.19	8,417.99	271.20	32.040		
8,200.00	6,897.26	6,884.26	6,884.26	50.04	238.61	-90.83	553.40	-7,428.56	8,787.57	8,516.29	271.28	32.393		
8,300.00	6,897.52	6,884.52	6,884.52	52.30	238.62	-90.84	553.40	-7,428.56	8,885.99	8,614.63	271.36	32.746		
8,400.00	6,897.78	6,884.78	6,884.78	54.61	238.63	-90.85	553.40	-7,428.56	8,984.44	8,713.00	271.45	33.099		
8,500.00	6,898.05	6,885.05	6,885.05	56.98	238.63	-90.86	553.40	-7,428.56	9,082.93	8,811.39	271.54	33.450		
8,600.00	6,898.31	6,885.31	6,885.31	59.38	238.64	-90.87	553.40	-7,428.56	9,181.45	8,909.82	271.63	33.801		
8,700.00	6,898.57	6,885.57	6,885.57	61.82	238.65	-90.88	553.40	-7,428.56	9,280.00	9,008.27	271.73	34.151		
8,800.00	6,898.83	6,885.83	6,885.83	64.30	238.66	-90.89	553.40	-7,428.56	9,378.58	9,106.75	271.84	34.501		
8,900.00	6,899.10	6,886.10	6,886.10	66.81	238.67	-90.90	553.40	-7,428.56	9,477.19	9,205.25	271.94	34.850		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 ft
Boomerang 21-5 - PEANUT #1 - OH - OH												<b>Offset Well Error:</b>	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
9,000.00	6,899.36	6,886.36	6,886.36	69.34	238.68	-90.91	553.40	-7,428.56	9,575.84	9,303.78	272.05	35.198	
9,100.00	6,899.62	6,886.62	6,886.62	71.90	238.69	-90.92	553.40	-7,428.56	9,674.50	9,402.34	272.17	35.546	
9,200.00	6,899.88	6,886.88	6,886.88	74.48	238.70	-90.93	553.40	-7,428.56	9,773.20	9,500.92	272.28	35.894	
9,300.00	6,900.14	6,887.14	6,887.14	77.08	238.71	-90.94	553.40	-7,428.56	9,871.92	9,599.52	272.40	36.240	
9,400.00	6,900.41	6,887.41	6,887.41	79.70	238.72	-90.94	553.40	-7,428.56	9,970.67	9,698.15	272.52	36.587	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	35.00	35.00	3.28	3.34	-84.40	584.33	-5,962.94	5,991.50					
100.00	100.00	135.00	135.00	3.28	4.42	-84.40	584.33	-5,962.94	5,991.50	5,983.79	7.71	777.333		
200.00	200.00	235.00	235.00	3.34	7.24	-84.40	584.33	-5,962.94	5,991.50	5,980.92	10.58	566.274		
300.00	299.98	334.98	334.98	3.44	10.48	78.67	584.33	-5,962.94	5,991.16	5,977.24	13.91	430.559		
400.00	399.84	434.84	434.84	3.59	13.83	78.74	584.33	-5,962.94	5,990.13	5,972.71	17.42	343.903		
500.00	499.45	534.45	534.45	3.79	17.23	78.85	584.33	-5,962.94	5,988.43	5,967.42	21.01	284.970		
600.00	598.70	633.70	633.70	4.04	20.64	79.01	584.33	-5,962.94	5,986.08	5,961.41	24.67	242.653		
660.50	658.52	706.48	693.52	4.20	23.15	79.13	584.33	-5,962.94	5,984.34	5,956.99	27.35	218.818		
700.00	697.51	732.51	732.51	4.31	24.05	79.19	584.33	-5,962.94	5,983.14	5,954.77	28.36	210.935		
800.00	796.22	831.22	831.22	4.63	27.47	79.34	584.33	-5,962.94	5,980.12	5,948.02	32.10	186.295		
900.00	894.93	929.93	929.93	4.98	30.89	79.49	584.33	-5,962.94	5,977.14	5,941.27	35.87	166.639		
1,000.00	993.64	1,028.64	1,028.64	5.34	34.32	79.64	584.33	-5,962.94	5,974.21	5,934.54	39.66	150.624		
1,100.00	1,092.35	1,127.35	1,127.35	5.73	37.75	79.79	584.33	-5,962.94	5,971.31	5,927.83	43.48	137.341		
1,200.00	1,191.06	1,226.06	1,226.06	6.13	41.19	79.94	584.33	-5,962.94	5,968.46	5,921.15	47.31	126.158		
1,300.00	1,289.78	1,324.78	1,324.78	6.54	44.62	80.09	584.33	-5,962.94	5,965.65	5,914.49	51.15	116.620		
1,400.00	1,388.49	1,423.49	1,423.49	6.95	48.06	80.23	584.33	-5,962.94	5,962.88	5,907.87	55.01	108.396		
1,500.00	1,487.20	1,522.20	1,522.20	7.38	51.50	80.38	584.33	-5,962.94	5,960.15	5,901.27	58.88	101.233		
1,600.00	1,585.91	1,620.91	1,620.91	7.81	54.94	80.53	584.33	-5,962.94	5,957.46	5,894.71	62.75	94.943		
1,700.00	1,684.62	1,719.62	1,719.62	8.25	58.38	80.68	584.33	-5,962.94	5,954.82	5,888.19	66.63	89.376		
1,800.00	1,783.33	1,818.33	1,818.33	8.70	61.82	80.83	584.33	-5,962.94	5,952.21	5,881.70	70.51	84.415		
1,900.00	1,882.04	1,917.04	1,917.04	9.15	65.26	80.98	584.33	-5,962.94	5,949.65	5,875.25	74.40	79.968		
2,000.00	1,980.75	2,015.75	2,015.75	9.60	68.70	81.14	584.33	-5,962.94	5,947.13	5,868.84	78.29	75.960		
2,100.00	2,079.46	2,114.46	2,114.46	10.05	72.15	81.29	584.33	-5,962.94	5,944.66	5,862.47	82.19	72.329		
2,200.00	2,178.17	2,213.17	2,213.17	10.51	75.59	81.44	584.33	-5,962.94	5,942.22	5,856.13	86.09	69.024		
2,300.00	2,276.88	2,311.88	2,311.88	10.97	79.03	81.59	584.33	-5,962.94	5,939.83	5,849.84	89.99	66.005		
2,400.00	2,375.59	2,410.59	2,410.59	11.43	82.47	81.74	584.33	-5,962.94	5,937.48	5,843.58	93.89	63.235		
2,500.00	2,474.31	2,509.31	2,509.31	11.89	85.92	81.89	584.33	-5,962.94	5,935.17	5,837.37	97.80	60.686		
2,600.00	2,573.02	2,608.02	2,608.02	12.36	89.36	82.04	584.33	-5,962.94	5,932.90	5,831.20	101.71	58.332		
2,700.00	2,671.73	2,706.73	2,706.73	12.82	92.80	82.19	584.33	-5,962.94	5,930.68	5,825.06	105.62	56.152		
2,800.00	2,770.44	2,805.44	2,805.44	13.29	96.25	82.34	584.33	-5,962.94	5,928.50	5,818.97	109.53	54.127		
2,900.00	2,869.15	2,904.15	2,904.15	13.76	99.69	82.49	584.33	-5,962.94	5,926.36	5,812.92	113.44	52.241		
3,000.00	2,967.86	3,002.86	3,002.86	14.23	103.14	82.65	584.33	-5,962.94	5,924.26	5,806.91	117.36	50.481		
3,100.00	3,066.57	3,101.57	3,101.57	14.70	106.58	82.80	584.33	-5,962.94	5,922.21	5,800.94	121.27	48.835		
3,200.00	3,165.28	3,200.28	3,200.28	15.17	110.03	82.95	584.33	-5,962.94	5,920.20	5,795.01	125.19	47.291		
3,300.00	3,263.99	3,301.01	3,298.99	15.64	113.54	83.10	584.33	-5,962.94	5,918.23	5,789.06	129.17	45.816		
3,400.00	3,362.70	3,402.30	3,397.70	16.11	117.07	83.25	584.33	-5,962.94	5,916.30	5,783.12	133.18	44.423		
3,500.00	3,461.41	3,503.59	3,496.41	16.59	120.61	83.40	584.33	-5,962.94	5,914.42	5,777.23	137.19	43.112		
3,600.00	3,560.12	3,604.88	3,595.12	17.06	124.14	83.56	584.33	-5,962.94	5,912.58	5,771.38	141.20	41.875		
3,700.00	3,658.84	3,706.16	3,693.84	17.53	127.68	83.71	584.33	-5,962.94	5,910.78	5,765.58	145.21	40.706		
3,800.00	3,757.55	3,807.45	3,792.55	18.01	131.21	83.86	584.33	-5,962.94	5,909.03	5,759.81	149.22	39.600		
3,900.00	3,856.26	3,908.74	3,891.26	18.48	134.75	84.01	584.33	-5,962.94	5,907.32	5,754.09	153.23	38.553		
4,000.00	3,954.97	3,989.97	3,989.97	18.96	137.58	84.17	584.33	-5,962.94	5,905.65	5,749.11	157.24	37.507		
4,100.00	4,053.68	4,088.68	4,088.68	19.44	141.03	84.32	584.33	-5,962.94	5,904.02	5,743.56	161.25	36.460		
4,200.00	4,152.39	4,187.39	4,187.39	19.91	144.47	84.47	584.33	-5,962.94	5,902.44	5,738.05	165.26	35.413		
4,300.00	4,251.10	4,286.10	4,286.10	20.39	147.92	84.62	584.33	-5,962.94	5,900.90	5,732.59	169.27	34.366		
4,400.00	4,349.81	4,384.81	4,384.81	20.87	151.36	84.78	584.33	-5,962.94	5,899.40	5,727.17	173.28	33.319		
4,500.00	4,448.52	4,483.52	4,483.52	21.34	154.81	84.93	584.33	-5,962.94	5,897.94	5,721.79	177.29	32.272		
4,600.00	4,547.23	4,582.23	4,582.23	21.82	158.25	85.08	584.33	-5,962.94	5,896.53	5,716.46	181.30	31.225		
4,700.00	4,645.94	4,680.94	4,680.94	22.30	161.70	85.24	584.33	-5,962.94	5,895.16	5,711.17	185.31	30.178		
4,800.00	4,744.65	4,779.65	4,779.65	22.78	165.15	85.39	584.33	-5,962.94	5,893.84	5,705.92	189.32	29.131		
4,900.00	4,843.37	4,878.37	4,878.37	23.26	168.59	85.54	584.33	-5,962.94	5,892.56	5,700.71	193.33	28.084		
5,000.00	4,942.08	4,977.08	4,977.08	23.74	172.04	85.69	584.33	-5,962.94	5,891.32	5,695.55	197.34	27.037		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,075.79	5,075.79	24.21	175.48	85.85	584.33	-5,962.94	5,890.12	5,690.43	199.69	29.496		
5,200.00	5,139.50	5,174.50	5,174.50	24.69	178.93	86.00	584.33	-5,962.94	5,888.97	5,685.35	203.62	28.922		
5,300.00	5,238.21	5,273.21	5,273.21	25.17	182.37	86.15	584.33	-5,962.94	5,887.86	5,680.32	207.54	28.370		
5,400.00	5,336.92	5,371.92	5,371.92	25.65	185.82	86.31	584.33	-5,962.94	5,886.80	5,675.33	211.47	27.838		
5,500.00	5,435.63	5,470.63	5,470.63	26.13	189.26	86.46	584.33	-5,962.94	5,885.77	5,670.38	215.39	27.326		
5,600.00	5,534.34	5,569.34	5,569.34	26.61	192.71	86.62	584.33	-5,962.94	5,884.79	5,665.48	219.32	26.832		
5,700.00	5,633.05	5,668.05	5,668.05	27.09	196.15	86.77	584.33	-5,962.94	5,883.86	5,660.62	223.24	26.356		
5,800.00	5,731.76	5,766.76	5,766.76	27.57	199.60	86.92	584.33	-5,962.94	5,882.97	5,655.80	227.17	25.897		
5,900.00	5,830.47	5,865.47	5,865.47	28.05	203.05	87.08	584.33	-5,962.94	5,882.12	5,651.02	231.09	25.453		
6,000.00	5,929.18	5,964.18	5,964.18	28.53	206.49	87.23	584.33	-5,962.94	5,881.31	5,646.29	235.02	25.025		
6,100.00	6,027.90	6,062.90	6,062.90	29.01	209.94	87.38	584.33	-5,962.94	5,880.55	5,641.61	238.95	24.610		
6,200.00	6,126.61	6,161.61	6,161.61	29.49	213.38	87.54	584.33	-5,962.94	5,879.83	5,636.96	242.87	24.210		
6,300.00	6,225.32	6,260.32	6,260.32	29.97	216.83	87.69	584.33	-5,962.94	5,879.16	5,632.36	246.80	23.822		
6,311.21	6,236.38	6,271.38	6,271.38	30.03	217.21	87.71	584.33	-5,962.94	5,879.08	5,631.85	247.24	23.779		
6,315.46	6,240.58	6,275.58	6,275.58	30.05	217.36	90.00	584.33	-5,962.94	5,879.07	5,631.67	247.40	23.763 CC		
6,350.00	6,274.70	6,309.70	6,309.70	30.21	218.55	109.78	584.33	-5,962.94	5,879.98	5,631.22	248.76	23.637 ES		
6,400.00	6,324.03	6,359.03	6,359.03	30.43	220.27	135.59	584.33	-5,962.94	5,884.51	5,633.80	250.71	23.472		
6,450.00	6,373.00	6,408.00	6,408.00	30.65	221.98	152.73	584.33	-5,962.94	5,892.81	5,640.18	252.63	23.326		
6,500.00	6,421.31	6,456.31	6,456.31	30.84	223.67	163.28	584.33	-5,962.94	5,904.82	5,650.31	254.51	23.201		
6,550.00	6,468.66	6,503.66	6,503.66	31.03	225.32	170.13	584.33	-5,962.94	5,920.47	5,664.12	256.35	23.095		
6,600.00	6,514.76	6,549.76	6,549.76	31.20	226.93	174.96	584.33	-5,962.94	5,939.67	5,681.53	258.13	23.010		
6,650.00	6,559.32	6,605.68	6,605.68	31.37	228.88	178.64	584.33	-5,962.94	5,962.28	5,702.03	260.25	22.910		
6,700.00	6,602.08	6,637.08	6,637.08	31.52	229.98	-178.33	584.33	-5,962.94	5,988.18	5,726.68	261.49	22.900		
6,750.00	6,642.77	6,677.77	6,677.77	31.65	231.40	-175.67	584.33	-5,962.94	6,017.19	5,754.14	263.05	22.875		
6,800.00	6,681.13	6,716.13	6,716.13	31.78	232.74	-173.16	584.33	-5,962.94	6,049.15	5,784.64	264.51	22.869 SF		
6,850.00	6,716.93	6,751.93	6,751.93	31.89	233.99	-170.65	584.33	-5,962.94	6,083.86	5,817.98	265.87	22.882		
6,900.00	6,749.95	6,784.95	6,784.95	31.99	235.14	-167.98	584.33	-5,962.94	6,121.10	5,853.98	267.12	22.915		
6,950.00	6,779.98	6,814.98	6,814.98	32.08	236.19	-164.99	584.33	-5,962.94	6,160.65	5,892.39	268.26	22.965		
7,000.00	6,806.85	6,841.85	6,841.85	32.16	237.13	-161.48	584.33	-5,962.94	6,202.27	5,933.00	269.27	23.034		
7,050.00	6,830.38	6,865.38	6,865.38	32.24	237.95	-157.17	584.33	-5,962.94	6,245.70	5,975.55	270.15	23.120		
7,100.00	6,850.43	6,885.43	6,885.43	32.35	238.65	-151.65	584.33	-5,962.94	6,290.68	6,019.79	270.89	23.222		
7,150.00	6,866.88	6,901.88	6,901.88	32.59	239.22	-144.34	584.33	-5,962.94	6,336.94	6,065.43	271.50	23.340		
7,200.00	6,879.62	6,914.62	6,914.62	32.99	239.67	-134.45	584.33	-5,962.94	6,384.19	6,112.21	271.98	23.473		
7,250.00	6,888.58	6,923.58	6,923.58	33.48	239.98	-121.20	584.33	-5,962.94	6,432.14	6,159.83	272.31	23.621		
7,300.00	6,893.70	6,928.70	6,928.70	34.02	240.16	-104.66	584.33	-5,962.94	6,480.51	6,208.01	272.50	23.781		
7,339.40	6,895.01	6,930.01	6,930.01	34.48	240.20	-90.60	584.33	-5,962.94	6,518.73	6,246.17	272.56	23.917		
7,400.00	6,895.16	6,930.16	6,930.16	35.24	240.21	-90.60	584.33	-5,962.94	6,577.51	6,304.93	272.58	24.131		
7,500.00	6,895.43	6,930.43	6,930.43	36.64	240.22	-90.61	584.33	-5,962.94	6,674.57	6,401.94	272.63	24.482		
7,600.00	6,895.69	6,930.69	6,930.69	38.20	240.23	-90.62	584.33	-5,962.94	6,771.72	6,499.03	272.68	24.834		
7,700.00	6,895.95	6,930.95	6,930.95	39.91	240.24	-90.63	584.33	-5,962.94	6,868.95	6,596.19	272.75	25.184		
7,800.00	6,896.21	6,931.21	6,931.21	41.75	240.25	-90.64	584.33	-5,962.94	6,966.25	6,693.42	272.83	25.533		
7,900.00	6,896.47	6,931.47	6,931.47	43.69	240.26	-90.65	584.33	-5,962.94	7,063.64	6,790.72	272.92	25.882		
8,000.00	6,896.74	6,931.74	6,931.74	45.73	240.26	-90.66	584.33	-5,962.94	7,161.09	6,888.08	273.01	26.230		
8,100.00	6,897.00	6,932.00	6,932.00	47.85	240.27	-90.67	584.33	-5,962.94	7,258.62	6,985.51	273.11	26.578		
8,200.00	6,897.26	6,932.26	6,932.26	50.04	240.28	-90.68	584.33	-5,962.94	7,356.21	7,082.99	273.22	26.924		
8,300.00	6,897.52	6,932.52	6,932.52	52.30	240.29	-90.69	584.33	-5,962.94	7,453.86	7,180.53	273.33	27.270		
8,400.00	6,897.78	6,932.78	6,932.78	54.61	240.30	-90.70	584.33	-5,962.94	7,551.58	7,278.12	273.45	27.616		
8,500.00	6,898.05	6,933.05	6,933.05	56.98	240.31	-90.70	584.33	-5,962.94	7,649.35	7,375.77	273.58	27.960		
8,600.00	6,898.31	6,933.31	6,933.31	59.38	240.32	-90.71	584.33	-5,962.94	7,747.19	7,473.48	273.71	28.304		
8,700.00	6,898.57	6,933.57	6,933.57	61.82	240.33	-90.72	584.33	-5,962.94	7,845.07	7,571.23	273.84	28.648		
8,800.00	6,898.83	6,933.83	6,933.83	64.30	240.34	-90.73	584.33	-5,962.94	7,943.01	7,669.03	273.98	28.991		
8,900.00	6,899.10	6,934.10	6,934.10	66.81	240.35	-90.74	584.33	-5,962.94	8,041.00	7,766.88	274.12	29.334		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	6,934.36	6,934.36	69.34	240.36	-90.75	584.33	-5,962.94	8,139.04	7,864.78	274.26	29.676		
9,100.00	6,899.62	6,934.62	6,934.62	71.90	240.36	-90.76	584.33	-5,962.94	8,237.13	7,962.72	274.41	30.017		
9,200.00	6,899.88	6,934.88	6,934.88	74.48	240.37	-90.77	584.33	-5,962.94	8,335.26	8,060.70	274.56	30.359		
9,300.00	6,900.14	6,935.14	6,935.14	77.08	240.38	-90.78	584.33	-5,962.94	8,433.43	8,158.72	274.71	30.699		
9,400.00	6,900.41	6,935.41	6,935.41	79.70	240.39	-90.79	584.33	-5,962.94	8,531.65	8,256.79	274.86	31.039		
9,500.00	6,900.67	6,935.67	6,935.67	82.33	240.40	-90.80	584.33	-5,962.94	8,629.91	8,354.89	275.02	31.379		
9,600.00	6,900.93	6,935.93	6,935.93	84.97	240.41	-90.81	584.33	-5,962.94	8,728.21	8,453.03	275.18	31.719		
9,700.00	6,901.19	6,936.19	6,936.19	87.63	240.42	-90.82	584.33	-5,962.94	8,826.55	8,551.21	275.33	32.058		
9,800.00	6,901.45	6,936.45	6,936.45	90.31	240.43	-90.83	584.33	-5,962.94	8,924.92	8,649.43	275.49	32.396		
9,900.00	6,901.72	6,936.72	6,936.72	92.99	240.44	-90.84	584.33	-5,962.94	9,023.33	8,747.68	275.65	32.734		
10,000.00	6,901.98	6,936.98	6,936.98	95.68	240.45	-90.85	584.33	-5,962.94	9,121.77	8,845.96	275.81	33.072		
10,100.00	6,902.24	6,937.24	6,937.24	98.38	240.46	-90.86	584.33	-5,962.94	9,220.25	8,944.27	275.97	33.410		
10,200.00	6,902.50	6,937.50	6,937.50	101.09	240.47	-90.86	584.33	-5,962.94	9,318.76	9,042.62	276.14	33.747		
10,300.00	6,902.76	6,937.76	6,937.76	103.81	240.47	-90.87	584.33	-5,962.94	9,417.30	9,141.00	276.30	34.084		
10,400.00	6,903.03	6,938.03	6,938.03	106.53	240.48	-90.88	584.33	-5,962.94	9,515.87	9,239.41	276.46	34.420		
10,500.00	6,903.29	6,938.29	6,938.29	109.26	240.49	-90.89	584.33	-5,962.94	9,614.47	9,337.85	276.63	34.756		
10,600.00	6,903.55	6,938.55	6,938.55	112.00	240.50	-90.90	584.33	-5,962.94	9,713.10	9,436.31	276.79	35.092		
10,700.00	6,903.81	6,938.81	6,938.81	114.75	240.51	-90.91	584.33	-5,962.94	9,811.76	9,534.81	276.95	35.428		
10,800.00	6,904.08	6,939.08	6,939.08	117.49	240.52	-90.92	584.33	-5,962.94	9,910.44	9,633.33	277.12	35.763		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-96.47	-971.92	-8,573.19	8,628.11					
100.00	100.00	133.00	133.00	3.28	4.38	-96.47	-971.92	-8,573.19	8,628.11	8,620.44	7.66	1,126.203		
200.00	200.00	233.00	233.00	3.34	7.18	-96.47	-971.92	-8,573.19	8,628.11	8,617.59	10.52	820.288		
300.00	299.98	332.98	332.98	3.44	10.41	66.61	-971.92	-8,573.19	8,627.41	8,613.56	13.85	622.979		
400.00	399.84	432.84	432.84	3.59	13.76	66.68	-971.92	-8,573.19	8,625.33	8,607.98	17.35	497.118		
500.00	499.45	532.45	532.45	3.79	17.16	66.79	-971.92	-8,573.19	8,621.88	8,600.93	20.95	411.616		
600.00	598.70	631.70	631.70	4.04	20.57	66.95	-971.92	-8,573.19	8,617.06	8,592.46	24.60	350.274		
660.50	658.52	708.48	691.52	4.20	23.22	67.08	-971.92	-8,573.19	8,613.49	8,586.08	27.42	314.154		
700.00	697.51	730.51	730.51	4.31	23.98	67.11	-971.92	-8,573.19	8,611.01	8,582.71	28.30	304.323		
800.00	796.22	829.22	829.22	4.63	27.40	67.21	-971.92	-8,573.19	8,604.73	8,572.70	32.03	268.659		
900.00	894.93	927.93	927.93	4.98	30.82	67.31	-971.92	-8,573.19	8,598.47	8,562.68	35.79	240.221		
1,000.00	993.64	1,026.64	1,026.64	5.34	34.25	67.41	-971.92	-8,573.19	8,592.24	8,552.65	39.59	217.055		
1,100.00	1,092.35	1,125.35	1,125.35	5.73	37.68	67.50	-971.92	-8,573.19	8,586.04	8,542.64	43.40	197.847		
1,200.00	1,191.06	1,224.06	1,224.06	6.13	41.12	67.60	-971.92	-8,573.19	8,579.86	8,532.63	47.23	181.677		
1,300.00	1,289.78	1,322.78	1,322.78	6.54	44.55	67.70	-971.92	-8,573.19	8,573.70	8,522.63	51.07	167.889		
1,400.00	1,388.49	1,421.49	1,421.49	6.95	47.99	67.80	-971.92	-8,573.19	8,567.57	8,512.65	54.92	156.000		
1,500.00	1,487.20	1,520.20	1,520.20	7.38	51.43	67.89	-971.92	-8,573.19	8,561.47	8,502.69	58.78	145.647		
1,600.00	1,585.91	1,618.91	1,618.91	7.81	54.87	67.99	-971.92	-8,573.19	8,555.39	8,492.74	62.65	136.554		
1,700.00	1,684.62	1,717.62	1,717.62	8.25	58.31	68.09	-971.92	-8,573.19	8,549.34	8,482.81	66.53	128.508		
1,800.00	1,783.33	1,816.33	1,816.33	8.70	61.75	68.19	-971.92	-8,573.19	8,543.31	8,472.90	70.41	121.338		
1,900.00	1,882.04	1,915.04	1,915.04	9.15	65.19	68.29	-971.92	-8,573.19	8,537.31	8,463.02	74.30	114.911		
2,000.00	1,980.75	2,013.75	2,013.75	9.60	68.63	68.39	-971.92	-8,573.19	8,531.34	8,453.15	78.19	109.117		
2,100.00	2,079.46	2,112.46	2,112.46	10.05	72.08	68.49	-971.92	-8,573.19	8,525.39	8,443.31	82.08	103.869		
2,200.00	2,178.17	2,211.17	2,211.17	10.51	75.52	68.58	-971.92	-8,573.19	8,519.47	8,433.49	85.98	99.092		
2,300.00	2,276.88	2,309.88	2,309.88	10.97	78.96	68.68	-971.92	-8,573.19	8,513.57	8,423.70	89.87	94.728		
2,400.00	2,375.59	2,408.59	2,408.59	11.43	82.40	68.78	-971.92	-8,573.19	8,507.70	8,413.92	93.78	90.724		
2,500.00	2,474.31	2,507.31	2,507.31	11.89	85.85	68.88	-971.92	-8,573.19	8,501.85	8,404.18	97.68	87.039		
2,600.00	2,573.02	2,606.02	2,606.02	12.36	89.29	68.98	-971.92	-8,573.19	8,496.04	8,394.45	101.58	83.635		
2,700.00	2,671.73	2,704.73	2,704.73	12.82	92.73	69.08	-971.92	-8,573.19	8,490.24	8,384.75	105.49	80.483		
2,800.00	2,770.44	2,803.44	2,803.44	13.29	96.18	69.18	-971.92	-8,573.19	8,484.48	8,375.08	109.40	77.555		
2,900.00	2,869.15	2,902.15	2,902.15	13.76	99.62	69.28	-971.92	-8,573.19	8,478.74	8,365.43	113.31	74.828		
3,000.00	2,967.86	3,000.86	3,000.86	14.23	103.07	69.38	-971.92	-8,573.19	8,473.02	8,355.80	117.22	72.283		
3,100.00	3,066.57	3,100.43	3,099.57	14.70	106.54	69.48	-971.92	-8,573.19	8,467.34	8,346.17	121.16	69.884		
3,200.00	3,165.28	3,201.72	3,198.28	15.17	110.08	69.58	-971.92	-8,573.19	8,461.68	8,336.51	125.17	67.604		
3,300.00	3,263.99	3,303.01	3,296.99	15.64	113.61	69.68	-971.92	-8,573.19	8,456.04	8,326.87	129.17	65.464		
3,400.00	3,362.70	3,404.30	3,395.70	16.11	117.14	69.78	-971.92	-8,573.19	8,450.43	8,317.26	133.18	63.454		
3,500.00	3,461.41	3,505.59	3,494.41	16.59	120.68	69.88	-971.92	-8,573.19	8,444.85	8,307.67	137.18	61.560		
3,600.00	3,560.12	3,606.88	3,593.12	17.06	124.21	69.99	-971.92	-8,573.19	8,439.30	8,298.11	141.19	59.774		
3,700.00	3,658.84	3,708.16	3,691.84	17.53	127.75	70.09	-971.92	-8,573.19	8,433.77	8,288.58	145.19	58.086		
3,800.00	3,757.55	3,809.45	3,790.55	18.01	131.28	70.19	-971.92	-8,573.19	8,428.27	8,279.07	149.20	56.489		
3,900.00	3,856.26	3,889.26	3,889.26	18.48	134.07	70.29	-971.92	-8,573.19	8,422.80	8,270.34	152.46	55.246		
4,000.00	3,954.97	3,987.97	3,987.97	18.96	137.51	70.39	-971.92	-8,573.19	8,417.35	8,260.97	156.38	53.827		
4,100.00	4,053.68	4,086.68	4,086.68	19.44	140.96	70.49	-971.92	-8,573.19	8,411.93	8,251.63	160.30	52.477		
4,200.00	4,152.39	4,185.39	4,185.39	19.91	144.40	70.59	-971.92	-8,573.19	8,406.53	8,242.32	164.22	51.191		
4,300.00	4,251.10	4,284.10	4,284.10	20.39	147.85	70.69	-971.92	-8,573.19	8,401.17	8,233.03	168.14	49.966		
4,400.00	4,349.81	4,382.81	4,382.81	20.87	151.29	70.80	-971.92	-8,573.19	8,395.83	8,223.77	172.06	48.796		
4,500.00	4,448.52	4,481.52	4,481.52	21.34	154.74	70.90	-971.92	-8,573.19	8,390.52	8,214.54	175.98	47.679		
4,600.00	4,547.23	4,580.23	4,580.23	21.82	158.18	71.00	-971.92	-8,573.19	8,385.23	8,205.33	179.90	46.610		
4,700.00	4,645.94	4,678.94	4,678.94	22.30	161.63	71.10	-971.92	-8,573.19	8,379.97	8,196.15	183.82	45.587		
4,800.00	4,744.65	4,777.65	4,777.65	22.78	165.08	71.21	-971.92	-8,573.19	8,374.74	8,187.00	187.75	44.607		
4,900.00	4,843.37	4,876.37	4,876.37	23.26	168.52	71.31	-971.92	-8,573.19	8,369.54	8,177.87	191.67	43.667		
5,000.00	4,942.08	4,975.08	4,975.08	23.74	171.97	71.41	-971.92	-8,573.19	8,364.37	8,168.78	195.59	42.765		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,073.79	5,073.79	24.21	175.41	71.51	-971.92	-8,573.19	8,359.22	8,159.70	199.51	41.898		
5,200.00	5,139.50	5,172.50	5,172.50	24.69	178.86	71.62	-971.92	-8,573.19	8,354.10	8,150.66	203.44	41.065		
5,300.00	5,238.21	5,271.21	5,271.21	25.17	182.30	71.72	-971.92	-8,573.19	8,349.00	8,141.64	207.36	40.263		
5,400.00	5,336.92	5,369.92	5,369.92	25.65	185.75	71.82	-971.92	-8,573.19	8,343.94	8,132.65	211.28	39.492		
5,500.00	5,435.63	5,468.63	5,468.63	26.13	189.19	71.93	-971.92	-8,573.19	8,338.90	8,123.69	215.21	38.748		
5,600.00	5,534.34	5,567.34	5,567.34	26.61	192.64	72.03	-971.92	-8,573.19	8,333.89	8,114.76	219.13	38.032		
5,700.00	5,633.05	5,666.05	5,666.05	27.09	196.08	72.13	-971.92	-8,573.19	8,328.91	8,105.85	223.06	37.340		
5,800.00	5,731.76	5,764.76	5,764.76	27.57	199.53	72.24	-971.92	-8,573.19	8,323.95	8,096.97	226.98	36.673		
5,900.00	5,830.47	5,863.47	5,863.47	28.05	202.98	72.34	-971.92	-8,573.19	8,319.03	8,088.12	230.90	36.028		
6,000.00	5,929.18	5,962.18	5,962.18	28.53	206.42	72.44	-971.92	-8,573.19	8,314.13	8,079.30	234.83	35.405		
6,100.00	6,027.90	6,060.90	6,060.90	29.01	209.87	72.55	-971.92	-8,573.19	8,309.26	8,070.50	238.75	34.802		
6,200.00	6,126.61	6,159.61	6,159.61	29.49	213.31	72.65	-971.92	-8,573.19	8,304.41	8,061.73	242.68	34.220		
6,300.00	6,225.32	6,258.32	6,258.32	29.97	216.76	72.76	-971.92	-8,573.19	8,299.60	8,052.99	246.61	33.655		
6,311.21	6,236.38	6,269.38	6,269.38	30.03	217.14	72.77	-971.92	-8,573.19	8,299.06	8,052.01	247.05	33.593		
6,341.71	6,266.51	6,300.49	6,299.51	30.17	218.23	90.00	-971.92	-8,573.19	8,298.33	8,050.05	248.28	33.424 CC		
6,350.00	6,274.70	6,307.70	6,307.70	30.21	218.48	94.81	-971.92	-8,573.19	8,298.38	8,049.82	248.57	33.385 ES		
6,400.00	6,324.03	6,357.03	6,357.03	30.43	220.20	120.50	-971.92	-8,573.19	8,301.00	8,050.48	250.52	33.135		
6,450.00	6,373.00	6,406.00	6,406.00	30.65	221.91	137.43	-971.92	-8,573.19	8,307.53	8,055.09	252.44	32.909		
6,500.00	6,421.31	6,454.31	6,454.31	30.84	223.60	147.69	-971.92	-8,573.19	8,317.94	8,063.61	254.33	32.706		
6,550.00	6,468.66	6,501.66	6,501.66	31.03	225.25	154.16	-971.92	-8,573.19	8,332.16	8,075.99	256.17	32.526		
6,600.00	6,514.76	6,547.76	6,547.76	31.20	226.86	158.50	-971.92	-8,573.19	8,350.10	8,092.15	257.95	32.371		
6,650.00	6,559.32	6,607.68	6,592.32	31.37	228.95	161.56	-971.92	-8,573.19	8,371.65	8,111.45	260.20	32.173		
6,700.00	6,602.08	6,635.08	6,635.08	31.52	229.91	163.82	-971.92	-8,573.19	8,396.68	8,135.37	261.31	32.133		
6,750.00	6,642.77	6,675.77	6,675.77	31.65	231.33	165.54	-971.92	-8,573.19	8,425.03	8,162.17	262.87	32.051		
6,800.00	6,681.13	6,714.13	6,714.13	31.78	232.67	166.89	-971.92	-8,573.19	8,456.53	8,192.20	264.33	31.992		
6,850.00	6,716.93	6,749.93	6,749.93	31.89	233.92	167.97	-971.92	-8,573.19	8,490.98	8,225.29	265.69	31.958		
6,900.00	6,749.95	6,782.95	6,782.95	31.99	235.07	168.84	-971.92	-8,573.19	8,528.17	8,261.23	266.94	31.948 SF		
6,950.00	6,779.98	6,812.98	6,812.98	32.08	236.12	169.57	-971.92	-8,573.19	8,567.87	8,299.80	268.07	31.961		
7,000.00	6,806.85	6,839.85	6,839.85	32.16	237.06	170.18	-971.92	-8,573.19	8,609.83	8,340.75	269.08	31.997		
7,050.00	6,830.38	6,863.38	6,863.38	32.24	237.88	170.72	-971.92	-8,573.19	8,653.80	8,383.84	269.96	32.056		
7,100.00	6,850.43	6,883.43	6,883.43	32.35	238.58	171.20	-971.92	-8,573.19	8,699.49	8,428.79	270.71	32.136		
7,150.00	6,866.88	6,900.12	6,899.88	32.59	239.16	171.67	-971.92	-8,573.19	8,746.64	8,475.32	271.32	32.237		
7,200.00	6,879.62	6,912.62	6,912.62	32.99	239.60	172.22	-971.92	-8,573.19	8,794.94	8,523.16	271.78	32.360		
7,250.00	6,888.58	6,921.58	6,921.58	33.48	239.91	173.08	-971.92	-8,573.19	8,844.11	8,572.00	272.11	32.502		
7,300.00	6,893.70	6,926.70	6,926.70	34.02	240.09	175.63	-971.92	-8,573.19	8,893.83	8,621.53	272.30	32.662		
7,339.40	6,895.01	6,928.01	6,928.01	34.48	240.13	-119.53	-971.92	-8,573.19	8,933.21	8,660.86	272.35	32.800		
7,400.00	6,895.16	6,928.16	6,928.16	35.24	240.14	-119.69	-971.92	-8,573.19	8,993.80	8,721.44	272.36	33.022		
7,500.00	6,895.43	6,928.43	6,928.43	36.64	240.15	-119.97	-971.92	-8,573.19	9,093.80	8,821.43	272.37	33.387		
7,600.00	6,895.69	6,928.69	6,928.69	38.20	240.16	-120.24	-971.92	-8,573.19	9,193.80	8,921.41	272.39	33.752		
7,700.00	6,895.95	6,928.95	6,928.95	39.91	240.17	-120.51	-971.92	-8,573.19	9,293.80	9,021.39	272.41	34.117		
7,800.00	6,896.21	6,929.21	6,929.21	41.75	240.18	-120.78	-971.92	-8,573.19	9,393.80	9,121.37	272.42	34.482		
7,900.00	6,896.47	6,929.47	6,929.47	43.69	240.19	-121.04	-971.92	-8,573.19	9,493.79	9,221.35	272.44	34.847		
8,000.00	6,896.74	6,929.74	6,929.74	45.73	240.19	-121.31	-971.92	-8,573.19	9,593.79	9,321.33	272.46	35.211		
8,100.00	6,897.00	6,930.00	6,930.00	47.85	240.20	-121.57	-971.92	-8,573.19	9,693.79	9,421.31	272.49	35.575		
8,200.00	6,897.26	6,930.26	6,930.26	50.04	240.21	-121.84	-971.92	-8,573.19	9,793.79	9,521.28	272.51	35.939		
8,300.00	6,897.52	6,930.52	6,930.52	52.30	240.22	-122.10	-971.92	-8,573.19	9,893.79	9,621.26	272.53	36.303		
8,400.00	6,897.78	6,930.78	6,930.78	54.61	240.23	-122.36	-971.92	-8,573.19	9,993.79	9,721.23	272.56	36.667		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-102.54	-1,209.60	-5,438.89	5,571.77					
100.00	100.00	63.64	63.64	3.28	3.28	-102.54	-1,209.46	-5,439.16	5,572.15	5,565.58	6.57	848.394		
200.00	200.00	154.74	154.74	3.34	3.31	-102.53	-1,208.92	-5,440.19	5,573.11	5,566.46	6.65	838.225		
300.00	299.98	264.08	264.06	3.44	3.41	60.55	-1,208.41	-5,441.12	5,572.98	5,566.13	6.85	813.952		
400.00	399.84	381.64	381.62	3.59	3.58	60.64	-1,207.89	-5,441.98	5,571.03	5,563.87	7.17	777.476		
500.00	499.45	491.28	491.26	3.79	3.79	60.81	-1,207.33	-5,442.42	5,567.04	5,559.47	7.58	734.897		
600.00	598.70	607.71	607.69	4.04	4.06	61.05	-1,206.54	-5,442.68	5,561.16	5,553.07	8.09	687.423		
660.50	658.52	672.24	672.21	4.20	4.23	61.22	-1,205.91	-5,442.73	5,556.67	5,548.25	8.43	659.528		
700.00	697.51	714.68	714.65	4.31	4.35	61.28	-1,205.47	-5,442.74	5,553.52	5,544.86	8.66	641.462		
800.00	796.22	799.52	799.49	4.63	4.59	61.42	-1,204.61	-5,442.85	5,545.68	5,536.47	9.22	601.694		
900.00	894.93	891.93	891.89	4.98	4.88	61.56	-1,203.62	-5,443.13	5,538.04	5,528.20	9.84	562.733		
1,000.00	993.64	995.35	995.28	5.34	5.22	61.74	-1,201.32	-5,443.70	5,530.45	5,519.91	10.54	524.628		
1,100.00	1,092.35	1,050.14	1,050.02	5.73	5.41	61.84	-1,198.91	-5,444.42	5,523.24	5,512.12	11.12	496.857		
1,200.00	1,191.06	1,100.00	1,099.76	6.13	5.59	61.95	-1,195.78	-5,445.68	5,516.89	5,505.20	11.69	471.824		
1,300.00	1,289.78	1,176.80	1,176.22	6.54	5.91	62.14	-1,189.14	-5,448.46	5,511.23	5,498.81	12.41	443.965		
1,400.00	1,388.49	1,260.33	1,259.07	6.95	6.30	62.37	-1,179.26	-5,452.32	5,506.02	5,492.81	13.21	416.700		
1,500.00	1,487.20	1,373.99	1,371.13	7.38	6.89	62.72	-1,161.33	-5,458.41	5,500.99	5,486.76	14.23	386.531		
1,600.00	1,585.91	1,487.74	1,482.51	7.81	7.57	63.13	-1,139.16	-5,464.72	5,495.68	5,480.34	15.33	358.377		
1,700.00	1,684.62	1,651.90	1,641.51	8.25	8.70	63.79	-1,099.42	-5,473.83	5,489.86	5,472.97	16.89	324.977		
1,800.00	1,783.33	1,800.00	1,776.24	8.70	9.85	64.42	-1,058.09	-5,480.94	5,483.04	5,464.55	18.49	296.553		
1,900.00	1,882.04	1,860.03	1,839.41	9.15	10.38	64.75	-1,036.08	-5,484.46	5,476.44	5,456.97	19.47	281.342		
2,000.00	1,980.75	1,900.00	1,876.90	9.60	10.73	64.95	-1,022.45	-5,486.95	5,470.94	5,450.67	20.27	269.896		
2,100.00	2,079.46	1,959.34	1,932.35	10.05	11.29	65.25	-1,001.71	-5,491.14	5,466.45	5,445.18	21.28	256.933		
2,200.00	2,178.17	2,018.03	1,986.91	10.51	11.85	65.56	-980.61	-5,495.76	5,462.96	5,440.68	22.29	245.131		
2,300.00	2,276.88	2,102.66	2,065.16	10.97	12.68	66.01	-949.12	-5,502.72	5,460.12	5,436.55	23.57	231.648		
2,400.00	2,375.59	2,169.49	2,126.79	11.43	13.35	66.38	-923.91	-5,508.38	5,457.93	5,433.25	24.69	221.099		
2,500.00	2,474.31	2,251.95	2,202.96	11.89	14.15	66.82	-893.14	-5,515.55	5,456.45	5,430.51	25.94	210.367		
2,600.00	2,573.02	2,333.49	2,278.47	12.36	14.93	67.25	-863.18	-5,522.56	5,455.40	5,428.24	27.16	200.836		
2,693.89	2,665.69	2,396.92	2,337.21	12.79	15.52	67.59	-839.93	-5,528.17	5,455.06	5,426.88	28.18	193.574 CC		
2,700.00	2,671.73	2,401.43	2,341.39	12.82	15.57	67.62	-838.28	-5,528.58	5,455.06	5,426.81	28.25	193.097		
2,800.00	2,770.44	2,493.81	2,427.01	13.29	16.43	68.11	-804.59	-5,536.85	5,455.28	5,425.72	29.55	184.585		
2,900.00	2,869.15	2,619.98	2,543.80	13.76	17.60	68.78	-758.07	-5,547.54	5,455.49	5,424.32	31.17	175.024		
3,000.00	2,967.86	2,689.08	2,607.54	14.23	18.25	69.15	-732.01	-5,553.33	5,456.11	5,423.85	32.27	169.096 ES		
3,100.00	3,066.57	2,746.58	2,660.53	14.70	18.79	69.47	-710.27	-5,558.38	5,457.56	5,424.31	33.25	164.132		
3,200.00	3,165.28	2,806.56	2,715.91	15.17	19.36	69.79	-687.92	-5,563.97	5,459.96	5,425.71	34.26	159.390		
3,300.00	3,263.99	2,960.35	2,858.00	15.64	20.78	70.61	-630.71	-5,577.61	5,462.44	5,426.33	36.11	151.255		
3,400.00	3,362.70	3,072.58	2,962.02	16.11	21.77	71.21	-589.51	-5,586.55	5,464.63	5,427.09	37.54	145.553		
3,500.00	3,461.41	3,137.20	3,022.24	16.59	22.32	71.54	-566.65	-5,591.65	5,467.23	5,428.70	38.53	141.899		
3,600.00	3,560.12	3,200.00	3,080.85	17.06	22.85	71.86	-544.75	-5,597.06	5,470.84	5,431.35	39.49	138.547		
3,700.00	3,658.84	3,280.38	3,155.72	17.53	23.54	72.28	-516.42	-5,604.20	5,475.16	5,434.56	40.60	134.843		
3,800.00	3,757.55	3,446.21	3,309.63	18.01	24.97	73.15	-456.03	-5,617.15	5,478.89	5,436.42	42.46	129.026		
3,900.00	3,856.26	3,500.00	3,359.57	18.48	25.42	73.43	-436.46	-5,621.11	5,482.92	5,439.57	43.35	126.488		
4,000.00	3,954.97	3,541.99	3,398.56	18.96	25.79	73.65	-421.25	-5,624.50	5,488.04	5,443.91	44.13	124.359		
4,100.00	4,053.68	3,600.00	3,452.38	19.44	26.30	73.96	-400.30	-5,630.05	5,494.62	5,449.57	45.05	121.969		
4,200.00	4,152.39	3,683.81	3,529.98	19.91	27.06	74.39	-369.76	-5,638.27	5,502.06	5,455.85	46.21	119.064		
4,300.00	4,251.10	3,818.83	3,654.57	20.39	28.29	75.11	-319.04	-5,649.89	5,508.96	5,461.11	47.85	115.138		
4,400.00	4,349.81	3,909.02	3,737.50	20.87	29.12	75.60	-284.34	-5,657.23	5,516.06	5,466.98	49.08	112.389		
4,500.00	4,448.52	4,012.99	3,832.97	21.34	30.08	76.17	-243.98	-5,665.41	5,523.46	5,473.02	50.44	109.499		
4,600.00	4,547.23	4,062.81	3,878.68	21.82	30.55	76.44	-224.61	-5,669.46	5,531.52	5,480.22	51.30	107.829		
4,700.00	4,645.94	4,137.01	3,946.81	22.30	31.23	76.84	-195.89	-5,675.82	5,540.47	5,488.10	52.37	105.794		
4,800.00	4,744.65	4,232.91	4,035.35	22.78	32.10	77.34	-159.98	-5,684.03	5,549.74	5,496.11	53.62	103.497		
4,900.00	4,843.37	4,314.09	4,110.40	23.26	32.82	77.77	-129.86	-5,691.08	5,559.53	5,504.81	54.72	101.599		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	4,427.88	4,215.63	23.74	33.82	78.36	-87.58	-5,700.55	5,569.44	5,513.34	56.10	99.272		
5,100.00	5,040.79	4,500.00	4,282.32	24.21	34.46	78.73	-60.80	-5,706.50	5,579.77	5,522.67	57.11	97.711		
5,200.00	5,139.50	4,563.36	4,340.86	24.69	35.02	79.06	-37.18	-5,711.92	5,590.84	5,532.81	58.03	96.342		
5,300.00	5,238.21	4,649.37	4,420.28	25.17	35.79	79.51	-5.06	-5,719.60	5,602.67	5,543.52	59.15	94.714		
5,400.00	5,336.92	4,744.40	4,508.38	25.65	36.62	79.99	29.56	-5,727.94	5,614.65	5,554.31	60.34	93.053		
5,500.00	5,435.63	4,818.21	4,576.96	26.13	37.26	80.36	56.03	-5,734.61	5,627.18	5,565.86	61.32	91.763		
5,600.00	5,534.34	4,892.71	4,645.97	26.61	37.91	80.74	83.28	-5,741.39	5,640.32	5,578.00	62.32	90.512		
5,700.00	5,633.05	5,019.44	4,762.89	27.09	39.04	81.39	130.91	-5,752.35	5,653.71	5,589.91	63.80	88.622		
5,800.00	5,731.76	5,071.26	4,810.71	27.57	39.51	81.65	150.37	-5,756.88	5,667.53	5,602.94	64.59	87.751		
5,900.00	5,830.47	5,158.26	4,891.09	28.05	40.28	82.09	182.70	-5,764.75	5,682.03	5,616.34	65.69	86.502		
6,000.00	5,929.18	5,265.93	4,990.82	28.53	41.23	82.63	222.11	-5,774.32	5,696.68	5,629.72	66.96	85.080		
6,100.00	6,027.90	5,340.87	5,060.27	29.01	41.88	83.00	249.53	-5,780.84	5,711.59	5,643.67	67.93	84.084		
6,200.00	6,126.61	5,400.98	5,115.84	29.49	42.41	83.30	271.79	-5,786.26	5,727.28	5,658.52	68.76	83.292		
6,300.00	6,225.32	5,519.12	5,224.75	29.97	43.48	83.90	316.39	-5,796.61	5,743.33	5,673.19	70.14	81.887		
6,311.21	6,236.38	5,526.10	5,231.21	30.03	43.54	83.93	318.96	-5,797.23	5,745.14	5,674.91	70.23	81.807		
6,350.00	6,274.70	5,563.20	5,265.51	30.21	43.86	106.24	332.72	-5,800.44	5,752.54	5,681.87	70.67	81.399		
6,400.00	6,324.03	5,628.74	5,326.33	30.43	44.43	132.43	356.46	-5,806.19	5,765.46	5,694.07	71.39	80.763		
6,450.00	6,373.00	5,722.30	5,412.96	30.65	45.22	150.09	391.05	-5,813.43	5,781.74	5,709.42	72.32	79.947		
6,500.00	6,421.31	6,148.63	5,817.56	30.84	48.02	162.43	521.65	-5,839.29	5,801.23	5,725.88	75.35	76.992		
6,550.00	6,468.66	6,180.50	5,848.48	31.03	48.17	169.48	529.21	-5,840.72	5,821.80	5,746.15	75.64	76.964		
6,600.00	6,514.76	6,348.32	6,012.71	31.20	48.86	174.85	562.69	-5,848.47	5,845.44	5,768.92	76.52	76.390		
6,650.00	6,559.32	6,429.03	6,092.23	31.37	49.15	178.82	576.08	-5,851.76	5,871.69	5,794.73	76.96	76.293		
6,700.00	6,602.08	6,870.81	6,531.72	31.52	50.40	-177.65	616.68	-5,863.03	5,900.70	5,822.33	78.38	75.288 SF		
6,750.00	6,642.77	6,925.85	6,586.73	31.65	50.54	-174.91	618.70	-5,863.10	5,930.15	5,851.50	78.65	75.400		
6,800.00	6,681.13	6,969.93	6,630.79	31.78	50.64	-172.33	619.85	-5,863.23	5,962.45	5,883.56	78.89	75.581		
6,850.00	6,716.93	7,011.08	6,671.93	31.89	50.74	-169.73	620.57	-5,863.39	5,997.43	5,918.32	79.11	75.812		
6,900.00	6,749.95	7,046.04	6,706.89	31.99	50.83	-166.97	621.09	-5,863.54	6,034.89	5,955.58	79.31	76.096		
6,950.00	6,779.98	7,078.45	6,739.30	32.08	50.90	-163.86	621.54	-5,863.67	6,074.60	5,995.12	79.48	76.425		
7,000.00	6,806.85	7,107.44	6,768.28	32.16	50.97	-160.21	621.91	-5,863.79	6,116.34	6,036.70	79.64	76.796		
7,050.00	6,830.38	7,128.15	6,788.99	32.24	51.02	-155.69	622.17	-5,863.87	6,159.87	6,080.09	79.77	77.216		
7,100.00	6,850.43	7,146.65	6,807.49	32.35	51.07	-149.92	622.42	-5,863.95	6,204.91	6,125.02	79.89	77.669		
7,150.00	6,866.88	7,161.78	6,822.61	32.59	51.11	-142.30	622.62	-5,864.02	6,251.19	6,171.21	79.99	78.153		
7,200.00	6,879.62	7,173.44	6,834.27	32.99	51.14	-132.10	622.77	-5,864.07	6,298.44	6,218.37	80.07	78.664		
7,250.00	6,888.58	7,181.57	6,842.40	33.48	51.15	-118.67	622.89	-5,864.10	6,346.35	6,266.22	80.13	79.197		
7,300.00	6,893.70	7,186.12	6,846.95	34.02	51.17	-102.35	622.95	-5,864.13	6,394.65	6,314.46	80.19	79.747		
7,339.40	6,895.01	7,187.17	6,848.00	34.48	51.17	-88.78	622.96	-5,864.13	6,432.79	6,352.57	80.22	80.189		
7,400.00	6,895.16	7,187.05	6,847.89	35.24	51.17	-88.78	622.96	-5,864.13	6,491.42	6,411.15	80.27	80.870		
7,500.00	6,895.43	7,186.87	6,847.71	36.64	51.17	-88.77	622.96	-5,864.13	6,588.25	6,507.89	80.36	81.985		
7,600.00	6,895.69	7,186.69	6,847.53	38.20	51.17	-88.77	622.96	-5,864.13	6,685.17	6,604.71	80.46	83.087		
7,700.00	6,895.95	7,186.51	6,847.34	39.91	51.17	-88.76	622.95	-5,864.13	6,782.19	6,701.62	80.57	84.177		
7,800.00	6,896.21	7,186.33	6,847.16	41.75	51.17	-88.75	622.95	-5,864.13	6,879.29	6,798.60	80.69	85.257		
7,900.00	6,896.47	7,186.15	6,846.98	43.69	51.17	-88.75	622.95	-5,864.13	6,976.47	6,895.65	80.82	86.326		
8,000.00	6,896.74	7,185.97	6,846.80	45.73	51.17	-88.74	622.95	-5,864.12	7,073.73	6,992.78	80.95	87.385		
8,100.00	6,897.00	7,185.79	6,846.62	47.85	51.17	-88.73	622.94	-5,864.12	7,171.07	7,089.98	81.09	88.435		
8,200.00	6,897.26	7,185.61	6,846.44	50.04	51.16	-88.73	622.94	-5,864.12	7,268.47	7,187.24	81.23	89.476		
8,300.00	6,897.52	7,185.43	6,846.26	52.30	51.16	-88.72	622.94	-5,864.12	7,365.95	7,284.57	81.38	90.508		
8,400.00	6,897.78	7,185.25	6,846.08	54.61	51.16	-88.72	622.94	-5,864.12	7,463.50	7,381.96	81.54	91.532		
8,500.00	6,898.05	7,185.07	6,845.90	56.98	51.16	-88.71	622.93	-5,864.12	7,561.11	7,479.41	81.70	92.548		
8,600.00	6,898.31	7,184.89	6,845.72	59.38	51.16	-88.70	622.93	-5,864.12	7,658.78	7,576.91	81.86	93.557		
8,700.00	6,898.57	7,184.71	6,845.55	61.82	51.16	-88.70	622.93	-5,864.12	7,756.51	7,674.48	82.03	94.560		
8,800.00	6,898.83	7,184.53	6,845.37	64.30	51.16	-88.69	622.93	-5,864.12	7,854.29	7,772.10	82.20	95.555		
8,900.00	6,899.10	7,184.36	6,845.19	66.81	51.16	-88.68	622.92	-5,864.12	7,952.13	7,869.77	82.37	96.545		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	7,184.18	6,845.01	69.34	51.16	-88.68	622.92	-5,864.12	8,050.03	7,967.49	82.54	97.528		
9,100.00	6,899.62	7,184.00	6,844.83	71.90	51.16	-88.67	622.92	-5,864.12	8,147.97	8,065.26	82.72	98.506		
9,200.00	6,899.88	7,183.82	6,844.66	74.48	51.16	-88.67	622.92	-5,864.11	8,245.97	8,163.08	82.89	99.478		
9,300.00	6,900.14	7,183.65	6,844.48	77.08	51.16	-88.66	622.91	-5,864.11	8,344.01	8,260.94	83.07	100.445		
9,400.00	6,900.41	7,183.47	6,844.30	79.70	51.16	-88.65	622.91	-5,864.11	8,442.10	8,358.85	83.25	101.407		
9,500.00	6,900.67	7,183.29	6,844.13	82.33	51.16	-88.65	622.91	-5,864.11	8,540.23	8,456.81	83.43	102.365		
9,600.00	6,900.93	7,183.12	6,843.95	84.97	51.16	-88.64	622.91	-5,864.11	8,638.41	8,554.80	83.61	103.318		
9,700.00	6,901.19	7,182.94	6,843.77	87.63	51.16	-88.63	622.90	-5,864.11	8,736.63	8,652.84	83.79	104.266		
9,800.00	6,901.45	7,182.76	6,843.60	90.31	51.16	-88.63	622.90	-5,864.11	8,834.89	8,750.91	83.97	105.211		
9,900.00	6,901.72	7,182.59	6,843.42	92.99	51.16	-88.62	622.90	-5,864.11	8,933.18	8,849.03	84.16	106.151		
10,000.00	6,901.98	7,182.41	6,843.25	95.68	51.16	-88.62	622.90	-5,864.11	9,031.51	8,947.18	84.34	107.088		
10,100.00	6,902.24	7,182.24	6,843.07	98.38	51.16	-88.61	622.89	-5,864.11	9,129.88	9,045.36	84.52	108.021		
10,200.00	6,902.50	7,182.06	6,842.90	101.09	51.16	-88.60	622.89	-5,864.11	9,228.29	9,143.59	84.70	108.951		
10,300.00	6,902.76	7,181.89	6,842.72	103.81	51.16	-88.60	622.89	-5,864.11	9,326.73	9,241.84	84.88	109.877		
10,400.00	6,903.03	7,181.72	6,842.55	106.53	51.16	-88.59	622.89	-5,864.11	9,425.20	9,340.13	85.06	110.800		
10,500.00	6,903.29	7,181.54	6,842.38	109.26	51.15	-88.59	622.89	-5,864.10	9,523.70	9,438.46	85.25	111.720		
10,600.00	6,903.55	7,181.37	6,842.20	112.00	51.15	-88.58	622.88	-5,864.10	9,622.24	9,536.81	85.43	112.636		
10,700.00	6,903.81	7,181.19	6,842.03	114.75	51.15	-88.57	622.88	-5,864.10	9,720.80	9,635.19	85.61	113.550		
10,800.00	6,904.08	7,181.02	6,841.86	117.49	51.15	-88.57	622.88	-5,864.10	9,819.39	9,733.61	85.79	114.461		
10,900.00	6,904.34	7,180.85	6,841.68	120.25	51.15	-88.56	622.88	-5,864.10	9,918.01	9,832.05	85.97	115.369		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-102.61	-1,216.89	-5,438.89	5,573.36					
100.00	100.00	53.08	53.08	3.28	3.28	-102.61	-1,216.72	-5,439.18	5,573.84	5,567.27	6.57	848.731		
200.00	200.00	107.82	107.80	3.34	3.29	-102.60	-1,216.19	-5,440.07	5,575.19	5,568.56	6.63	841.010		
300.00	299.98	205.28	205.23	3.44	3.36	60.47	-1,214.74	-5,442.14	5,576.08	5,569.28	6.79	820.837		
400.00	399.84	309.44	309.36	3.59	3.48	60.55	-1,213.28	-5,444.33	5,575.25	5,568.19	7.06	789.376		
500.00	499.45	439.85	439.74	3.79	3.70	60.72	-1,211.54	-5,446.55	5,572.33	5,564.85	7.48	744.798		
600.00	598.70	541.01	540.88	4.04	3.92	60.94	-1,209.78	-5,448.05	5,567.44	5,559.49	7.94	700.865		
660.50	658.52	594.76	594.61	4.20	4.05	61.09	-1,208.62	-5,448.95	5,563.72	5,555.48	8.24	675.049		
700.00	697.51	631.91	631.74	4.31	4.15	61.16	-1,207.76	-5,449.60	5,561.13	5,552.68	8.45	657.837		
800.00	796.22	740.45	740.24	4.63	4.45	61.34	-1,205.43	-5,451.48	5,554.62	5,545.55	9.07	612.488		
900.00	894.93	835.50	835.24	4.98	4.74	61.51	-1,203.01	-5,452.89	5,547.83	5,538.14	9.70	572.158		
1,000.00	993.64	900.00	899.70	5.34	4.94	61.62	-1,200.94	-5,454.31	5,541.64	5,531.37	10.26	539.863		
1,100.00	1,092.35	1,007.96	1,007.56	5.73	5.31	61.82	-1,197.28	-5,456.97	5,535.73	5,524.73	11.01	502.978		
1,200.00	1,191.06	1,097.41	1,096.94	6.13	5.62	61.99	-1,194.37	-5,459.11	5,529.84	5,518.13	11.71	472.253		
1,300.00	1,289.78	1,215.02	1,214.46	6.54	6.04	62.20	-1,190.66	-5,461.77	5,523.89	5,511.36	12.53	440.723		
1,400.00	1,388.49	1,279.30	1,278.69	6.95	6.27	62.32	-1,188.82	-5,463.33	5,518.19	5,505.01	13.18	418.585		
1,500.00	1,487.20	1,384.70	1,384.02	7.38	6.66	62.51	-1,186.01	-5,466.11	5,512.82	5,498.82	14.00	393.906		
1,600.00	1,585.91	1,489.63	1,488.88	7.81	7.06	62.70	-1,183.18	-5,468.63	5,507.26	5,492.44	14.82	371.623		
1,700.00	1,684.62	1,619.80	1,618.97	8.25	7.56	62.93	-1,179.73	-5,471.34	5,501.46	5,485.71	15.75	349.281		
1,800.00	1,783.33	1,700.00	1,699.14	8.70	7.87	63.07	-1,177.71	-5,472.79	5,495.49	5,478.98	16.50	333.028		
1,900.00	1,882.04	1,750.82	1,749.93	9.15	8.07	63.16	-1,176.43	-5,473.99	5,490.15	5,473.01	17.15	320.194		
2,000.00	1,980.75	1,800.00	1,799.06	9.60	8.26	63.25	-1,175.13	-5,475.74	5,485.88	5,468.09	17.79	308.394		
2,100.00	2,079.46	1,829.56	1,828.57	10.05	8.38	63.31	-1,174.19	-5,477.14	5,482.70	5,464.34	18.36	298.631		
2,200.00	2,178.17	1,863.60	1,862.52	10.51	8.52	63.38	-1,172.74	-5,479.19	5,480.74	5,461.79	18.95	289.228		
2,300.00	2,276.88	1,900.00	1,898.77	10.97	8.68	63.46	-1,170.78	-5,481.90	5,479.99	5,460.44	19.55	280.309		
2,400.00	2,375.59	2,050.35	2,048.40	11.43	9.33	63.79	-1,161.82	-5,493.44	5,479.58	5,458.94	20.64	265.437		
2,500.00	2,474.31	2,151.93	2,149.42	11.89	9.78	64.04	-1,153.93	-5,500.61	5,478.32	5,456.78	21.54	254.305		
2,600.00	2,573.02	2,200.00	2,197.17	12.36	10.00	64.16	-1,149.82	-5,504.25	5,477.67	5,455.46	22.21	246.620		
2,632.17	2,604.77	2,230.74	2,227.70	12.51	10.14	64.24	-1,147.14	-5,506.72	5,477.58	5,455.09	22.50	243.497 CC		
2,700.00	2,671.73	2,264.82	2,261.52	12.82	10.30	64.32	-1,144.20	-5,509.65	5,477.80	5,454.84	22.96	238.612 ES		
2,800.00	2,770.44	2,317.90	2,314.19	13.29	10.55	64.46	-1,139.68	-5,514.58	5,478.89	5,455.24	23.65	231.651		
2,900.00	2,869.15	2,377.42	2,373.14	13.76	10.83	64.61	-1,134.20	-5,520.60	5,480.80	5,456.42	24.38	224.820		
3,000.00	2,967.86	2,523.65	2,517.81	14.23	11.54	65.01	-1,118.99	-5,535.53	5,482.81	5,457.28	25.53	214.764		
3,100.00	3,066.57	2,600.00	2,593.19	14.70	11.92	65.23	-1,109.62	-5,543.23	5,484.57	5,458.22	26.36	208.094		
3,200.00	3,165.28	2,670.59	2,662.76	15.17	12.29	65.44	-1,100.32	-5,550.70	5,486.88	5,459.71	27.16	201.991		
3,300.00	3,263.99	2,734.00	2,725.24	15.64	12.62	65.63	-1,092.08	-5,557.74	5,489.83	5,461.90	27.93	196.532		
3,400.00	3,362.70	2,800.00	2,790.26	16.11	12.96	65.82	-1,083.81	-5,565.49	5,493.55	5,464.84	28.71	191.315		
3,500.00	3,461.41	2,859.26	2,848.62	16.59	13.27	66.00	-1,076.50	-5,572.79	5,498.00	5,468.54	29.46	186.628		
3,600.00	3,560.12	2,920.67	2,909.04	17.06	13.60	66.18	-1,068.89	-5,580.67	5,503.12	5,472.90	30.22	182.130		
3,700.00	3,658.84	2,973.95	2,961.41	17.53	13.89	66.34	-1,062.29	-5,587.90	5,509.08	5,478.15	30.93	178.126		
3,800.00	3,757.55	3,029.62	3,016.07	18.01	14.20	66.50	-1,055.42	-5,595.88	5,515.92	5,484.26	31.65	174.268		
3,900.00	3,856.26	3,100.00	3,085.13	18.48	14.59	66.70	-1,046.93	-5,606.49	5,523.58	5,491.12	32.45	170.194		
4,000.00	3,954.97	3,215.46	3,198.32	18.96	15.25	67.05	-1,032.34	-5,623.98	5,531.51	5,498.00	33.51	165.071		
4,100.00	4,053.68	3,287.31	3,268.70	19.44	15.67	67.26	-1,022.82	-5,634.87	5,539.49	5,505.15	34.33	161.352		
4,200.00	4,152.39	3,403.57	3,382.49	19.91	16.35	67.62	-1,006.80	-5,652.49	5,547.63	5,512.22	35.41	156.673		
4,300.00	4,251.10	3,547.98	3,524.07	20.39	17.17	68.06	-987.16	-5,673.07	5,554.95	5,518.31	36.64	151.615		
4,400.00	4,349.81	3,656.97	3,630.92	20.87	17.79	68.39	-972.08	-5,688.39	5,562.35	5,524.68	37.67	147.662		
4,500.00	4,448.52	3,761.89	3,733.70	21.34	18.39	68.72	-956.58	-5,702.70	5,569.43	5,530.75	38.68	143.969		
4,600.00	4,547.23	3,837.55	3,807.77	21.82	18.83	68.95	-945.27	-5,713.14	5,576.85	5,537.31	39.54	141.057		
4,700.00	4,645.94	3,912.65	3,881.25	22.30	19.27	69.19	-934.03	-5,723.85	5,584.86	5,544.47	40.38	138.297		
4,800.00	4,744.65	4,027.10	3,993.42	22.78	19.92	69.54	-917.90	-5,739.87	5,592.76	5,551.31	41.45	134.930		
4,900.00	4,843.37	4,086.91	4,052.01	23.26	20.27	69.72	-909.45	-5,748.43	5,601.17	5,558.97	42.20	132.728		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	4,150.81	4,114.54	23.74	20.64	69.91	-900.43	-5,757.97	5,610.31	5,567.34	42.97	130.557		
5,100.00	5,040.79	4,227.57	4,189.74	24.21	21.09	70.13	-890.55	-5,769.80	5,620.08	5,576.27	43.81	128.273		
5,200.00	5,139.50	4,325.89	4,286.16	24.69	21.66	70.41	-878.67	-5,784.93	5,629.98	5,585.21	44.77	125.747		
5,300.00	5,238.21	4,400.00	4,358.72	25.17	22.10	70.63	-869.06	-5,796.52	5,640.26	5,594.66	45.59	123.705		
5,400.00	5,336.92	4,536.92	4,492.79	25.65	22.91	71.03	-850.61	-5,817.34	5,650.16	5,603.37	46.79	120.755		
5,500.00	5,435.63	4,607.25	4,561.64	26.13	23.32	71.23	-841.24	-5,828.15	5,660.45	5,612.86	47.59	118.936		
5,600.00	5,534.34	4,785.24	4,736.01	26.61	24.36	71.76	-816.79	-5,854.18	5,670.04	5,621.01	49.03	115.655		
5,700.00	5,633.05	4,905.18	4,853.48	27.09	25.05	72.12	-799.20	-5,870.79	5,679.19	5,629.07	50.12	113.308		
5,800.00	5,731.76	4,993.14	4,939.76	27.57	25.55	72.37	-787.06	-5,882.86	5,688.35	5,637.33	51.02	111.488		
5,900.00	5,830.47	5,726.91	5,667.15	28.05	28.87	74.11	-725.23	-5,947.29	5,695.61	5,640.76	54.85	103.838		
6,000.00	5,929.18	5,889.61	5,829.76	28.53	29.46	74.40	-721.78	-5,951.24	5,693.77	5,637.83	55.93	101.794		
6,100.00	6,027.90	6,035.98	5,976.10	29.01	29.99	74.64	-720.09	-5,953.04	5,690.66	5,633.70	56.95	99.920		
6,200.00	6,126.61	6,136.32	6,076.43	29.49	30.35	74.81	-718.89	-5,954.04	5,687.43	5,629.62	57.81	98.378		
6,300.00	6,225.32	6,248.74	6,188.83	29.97	30.76	75.00	-717.25	-5,954.86	5,683.99	5,625.28	58.71	96.808		
6,311.21	6,236.38	6,259.63	6,199.72	30.03	30.80	75.02	-717.08	-5,954.94	5,683.60	5,624.79	58.81	96.644		
6,333.17	6,258.07	6,280.98	6,221.07	30.13	30.88	87.31	-716.75	-5,955.08	5,683.22	5,624.23	59.00	96.334		
6,350.00	6,274.70	6,297.35	6,237.44	30.21	30.94	97.08	-716.50	-5,955.19	5,683.45	5,624.31	59.14	96.106		
6,400.00	6,324.03	6,338.14	6,278.22	30.43	31.09	122.80	-715.88	-5,955.49	5,686.77	5,627.25	59.52	95.537		
6,450.00	6,373.00	6,378.16	6,318.23	30.65	31.24	139.78	-715.27	-5,955.85	5,694.09	5,634.19	59.89	95.069		
6,500.00	6,421.31	6,422.05	6,362.12	30.84	31.40	150.10	-714.62	-5,956.31	5,705.33	5,645.07	60.26	94.672		
6,550.00	6,468.66	6,470.50	6,410.56	31.03	31.58	156.66	-713.98	-5,956.82	5,720.37	5,659.74	60.64	94.339		
6,600.00	6,514.76	6,521.68	6,461.74	31.20	31.77	161.10	-713.41	-5,957.34	5,739.10	5,678.09	61.01	94.075		
6,650.00	6,559.32	6,577.73	6,517.78	31.37	31.97	164.31	-712.94	-5,957.82	5,761.33	5,699.95	61.38	93.864		
6,700.00	6,602.08	6,620.34	6,560.39	31.52	32.13	166.71	-712.68	-5,958.13	5,786.94	5,725.25	61.69	93.802 SF		
6,750.00	6,642.77	6,653.27	6,593.32	31.65	32.25	168.60	-712.43	-5,958.40	5,815.89	5,753.93	61.96	93.867		
6,800.00	6,681.13	6,684.21	6,624.26	31.78	32.37	170.15	-712.13	-5,958.69	5,848.00	5,785.79	62.20	94.014		
6,850.00	6,716.93	6,718.46	6,658.50	31.89	32.50	171.50	-711.75	-5,959.04	5,883.04	5,820.60	62.45	94.211		
6,900.00	6,749.95	6,756.18	6,696.22	31.99	32.64	172.73	-711.30	-5,959.40	5,920.75	5,858.07	62.69	94.451		
6,950.00	6,779.98	6,790.49	6,730.52	32.08	32.77	173.90	-710.87	-5,959.71	5,960.89	5,897.99	62.90	94.768		
7,000.00	6,806.85	6,814.23	6,754.26	32.16	32.85	175.08	-710.56	-5,959.91	6,003.23	5,940.17	63.06	95.196		
7,050.00	6,830.38	6,832.20	6,772.23	32.24	32.92	176.39	-710.30	-5,960.07	6,047.54	5,984.35	63.19	95.707		
7,100.00	6,850.43	6,847.39	6,787.42	32.35	32.98	178.00	-710.05	-5,960.22	6,093.53	6,030.24	63.29	96.277		
7,150.00	6,866.88	6,859.74	6,799.76	32.59	33.03	-179.76	-709.84	-5,960.35	6,140.91	6,077.54	63.37	96.903		
7,200.00	6,879.62	6,869.17	6,809.19	32.99	33.06	-176.09	-709.67	-5,960.45	6,189.40	6,125.96	63.43	97.577		
7,250.00	6,888.58	6,875.64	6,815.66	33.48	33.09	-168.43	-709.54	-5,960.53	6,238.67	6,175.20	63.47	98.295		
7,300.00	6,893.70	6,879.14	6,819.16	34.02	33.10	-143.26	-709.48	-5,960.57	6,288.43	6,224.94	63.49	99.048		
7,339.40	6,895.01	6,879.79	6,819.81	34.48	33.10	-78.22	-709.46	-5,960.58	6,327.78	6,264.29	63.49	99.661		
7,400.00	6,895.16	6,879.38	6,819.39	35.24	33.10	-78.14	-709.47	-5,960.57	6,388.31	6,324.81	63.49	100.617		
7,500.00	6,895.43	6,878.69	6,818.71	36.64	33.10	-78.02	-709.49	-5,960.56	6,488.19	6,424.70	63.49	102.192		
7,600.00	6,895.69	6,878.01	6,818.02	38.20	33.09	-77.89	-709.50	-5,960.55	6,588.08	6,524.59	63.49	103.764		
7,700.00	6,895.95	6,877.33	6,817.35	39.91	33.09	-77.77	-709.51	-5,960.55	6,687.97	6,624.48	63.49	105.334		
7,800.00	6,896.21	6,876.66	6,816.67	41.75	33.09	-77.65	-709.52	-5,960.54	6,787.87	6,724.37	63.50	106.901		
7,900.00	6,896.47	6,875.99	6,816.01	43.69	33.09	-77.52	-709.54	-5,960.53	6,887.77	6,824.27	63.50	108.466		
8,000.00	6,896.74	6,875.32	6,815.34	45.73	33.08	-77.40	-709.55	-5,960.52	6,987.67	6,924.16	63.51	110.027		
8,100.00	6,897.00	6,874.66	6,814.68	47.85	33.08	-77.28	-709.56	-5,960.52	7,087.57	7,024.06	63.52	111.585		
8,200.00	6,897.26	6,874.01	6,814.03	50.04	33.08	-77.16	-709.58	-5,960.51	7,187.48	7,123.95	63.53	113.141		
8,300.00	6,897.52	6,873.36	6,813.38	52.30	33.08	-77.04	-709.59	-5,960.50	7,287.39	7,223.85	63.54	114.693		
8,400.00	6,897.78	6,872.71	6,812.73	54.61	33.07	-76.93	-709.60	-5,960.49	7,387.30	7,323.75	63.55	116.242		
8,500.00	6,898.05	6,872.07	6,812.09	56.98	33.07	-76.81	-709.61	-5,960.49	7,487.22	7,423.65	63.57	117.788		
8,600.00	6,898.31	6,871.43	6,811.45	59.38	33.07	-76.69	-709.62	-5,960.48	7,587.13	7,523.55	63.58	119.331		
8,700.00	6,898.57	6,870.79	6,810.81	61.82	33.07	-76.58	-709.64	-5,960.47	7,687.05	7,623.45	63.60	120.871		
8,800.00	6,898.83	6,870.16	6,810.18	64.30	33.06	-76.46	-709.65	-5,960.47	7,786.97	7,723.36	63.62	122.407		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,869.54	6,809.55	66.81	33.06	-76.35	-709.66	-5,960.46	7,886.89	7,823.26	63.64	123.940		
9,000.00	6,899.36	6,868.91	6,808.93	69.34	33.06	-76.24	-709.67	-5,960.45	7,986.82	7,923.16	63.66	125.469		
9,100.00	6,899.62	6,868.29	6,808.31	71.90	33.06	-76.13	-709.68	-5,960.44	8,086.74	8,023.07	63.68	126.995		
9,200.00	6,899.88	6,867.68	6,807.70	74.48	33.06	-76.02	-709.69	-5,960.44	8,186.67	8,122.97	63.70	128.517		
9,300.00	6,900.14	6,867.07	6,807.09	77.08	33.05	-75.90	-709.71	-5,960.43	8,286.60	8,222.88	63.73	130.036		
9,400.00	6,900.41	6,866.46	6,806.48	79.70	33.05	-75.80	-709.72	-5,960.42	8,386.53	8,322.78	63.75	131.551		
9,500.00	6,900.67	6,865.86	6,805.88	82.33	33.05	-75.69	-709.73	-5,960.42	8,486.47	8,422.69	63.78	133.062		
9,600.00	6,900.93	6,865.26	6,805.28	84.97	33.05	-75.58	-709.74	-5,960.41	8,586.40	8,522.59	63.81	134.569		
9,700.00	6,901.19	6,864.66	6,804.68	87.63	33.04	-75.47	-709.75	-5,960.40	8,686.34	8,622.50	63.84	136.073		
9,800.00	6,901.45	6,864.07	6,804.09	90.31	33.04	-75.36	-709.76	-5,960.40	8,786.27	8,722.41	63.87	137.573		
9,900.00	6,901.72	6,863.48	6,803.50	92.99	33.04	-75.26	-709.77	-5,960.39	8,886.21	8,822.31	63.90	139.068		
10,000.00	6,901.98	6,862.89	6,802.91	95.68	33.04	-75.15	-709.78	-5,960.38	8,986.15	8,922.22	63.93	140.560		
10,100.00	6,902.24	6,862.31	6,802.33	98.38	33.04	-75.05	-709.79	-5,960.38	9,086.09	9,022.13	63.96	142.048		
10,200.00	6,902.50	6,861.73	6,801.75	101.09	33.03	-74.95	-709.80	-5,960.37	9,186.03	9,122.03	64.00	143.532		
10,300.00	6,902.76	6,861.16	6,801.18	103.81	33.03	-74.84	-709.81	-5,960.37	9,285.98	9,221.94	64.04	145.011		
10,400.00	6,903.03	6,860.58	6,800.61	106.53	33.03	-74.74	-709.82	-5,960.36	9,385.92	9,321.85	64.07	146.486		
10,500.00	6,903.29	6,860.02	6,800.04	109.26	33.03	-74.64	-709.83	-5,960.35	9,485.87	9,421.75	64.11	147.957		
10,600.00	6,903.55	6,859.45	6,799.47	112.00	33.02	-74.54	-709.84	-5,960.35	9,585.81	9,521.66	64.15	149.424		
10,700.00	6,903.81	6,858.89	6,798.91	114.75	33.02	-74.44	-709.85	-5,960.34	9,685.76	9,621.57	64.19	150.886		
10,800.00	6,904.08	6,858.33	6,798.35	117.49	33.02	-74.34	-709.86	-5,960.34	9,785.71	9,721.48	64.23	152.344		
10,900.00	6,904.34	6,857.78	6,797.80	120.25	33.02	-74.24	-709.87	-5,960.33	9,885.66	9,821.38	64.28	153.798		
11,000.00	6,904.60	6,857.23	6,797.25	123.00	33.02	-74.14	-709.88	-5,960.32	9,985.61	9,921.29	64.32	155.247		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-102.90	-1,246.03	-5,441.68	5,582.52					
100.00	100.00	79.13	79.13	3.28	3.28	-102.90	-1,245.88	-5,441.90	5,582.76	5,576.19	6.57	849.832		
200.00	200.00	171.79	171.78	3.34	3.32	-102.89	-1,245.39	-5,442.56	5,583.33	5,576.67	6.66	838.468		
300.00	299.98	288.27	288.26	3.44	3.44	60.20	-1,244.40	-5,443.37	5,582.95	5,576.08	6.88	811.912		
400.00	399.84	413.04	413.02	3.59	3.63	60.32	-1,242.61	-5,443.88	5,580.43	5,573.21	7.22	772.542		
500.00	499.45	512.78	512.74	3.79	3.84	60.49	-1,240.78	-5,444.16	5,575.99	5,568.36	7.63	731.086		
600.00	598.70	612.56	612.50	4.04	4.08	60.73	-1,238.75	-5,444.47	5,569.84	5,561.73	8.11	686.773		
660.50	658.52	684.53	684.44	4.20	4.27	60.93	-1,237.13	-5,444.64	5,565.22	5,556.75	8.47	657.104		
700.00	697.51	738.26	738.16	4.31	4.42	61.02	-1,235.76	-5,444.67	5,561.93	5,553.19	8.74	636.539		
800.00	796.22	858.43	858.27	4.63	4.79	61.23	-1,232.06	-5,444.35	5,553.19	5,543.78	9.42	589.727		
900.00	894.93	900.00	899.82	4.98	4.92	61.30	-1,230.70	-5,444.21	5,544.69	5,534.80	9.89	560.696		
1,000.00	993.64	958.00	957.80	5.34	5.11	61.40	-1,229.35	-5,444.40	5,537.00	5,526.57	10.44	530.484		
1,100.00	1,092.35	1,000.00	999.80	5.73	5.25	61.47	-1,229.09	-5,445.05	5,530.59	5,519.63	10.96	504.795		
1,200.00	1,191.06	1,036.68	1,036.47	6.13	5.37	61.52	-1,229.40	-5,445.91	5,525.27	5,513.79	11.47	481.547		
1,300.00	1,289.78	1,100.00	1,099.73	6.54	5.59	61.60	-1,231.19	-5,447.89	5,521.07	5,508.97	12.10	456.459		
1,400.00	1,388.49	1,141.45	1,141.11	6.95	5.74	61.64	-1,232.97	-5,449.42	5,517.65	5,504.99	12.66	435.882		
1,500.00	1,487.20	1,200.00	1,199.55	7.38	5.96	61.70	-1,235.75	-5,451.68	5,514.83	5,501.54	13.29	414.889		
1,600.00	1,585.91	1,269.76	1,269.12	7.81	6.24	61.77	-1,239.98	-5,454.64	5,512.65	5,498.66	13.98	394.201		
1,700.00	1,684.62	1,337.57	1,336.64	8.25	6.52	61.82	-1,245.40	-5,457.86	5,511.24	5,496.56	14.68	375.302		
1,800.00	1,783.33	1,400.00	1,398.71	8.70	6.79	61.86	-1,251.31	-5,460.85	5,510.28	5,494.91	15.38	358.344		
1,859.90	1,842.45	1,433.25	1,431.73	8.97	6.94	61.88	-1,254.80	-5,462.57	5,510.07	5,494.28	15.78	349.114 CC		
1,900.00	1,882.04	1,449.24	1,447.59	9.15	7.01	61.88	-1,256.55	-5,463.49	5,510.15	5,494.13	16.03	343.769 ES		
2,000.00	1,980.75	1,500.00	1,497.90	9.60	7.25	61.90	-1,262.46	-5,466.82	5,511.16	5,494.47	16.69	330.197		
2,100.00	2,079.46	1,500.00	1,497.90	10.05	7.25	61.90	-1,262.46	-5,466.82	5,513.40	5,496.27	17.13	321.821		
2,200.00	2,178.17	1,555.57	1,552.83	10.51	7.53	61.92	-1,269.56	-5,471.32	5,516.59	5,498.76	17.83	309.428		
2,300.00	2,276.88	1,600.00	1,596.61	10.97	7.76	61.93	-1,275.75	-5,475.68	5,521.19	5,502.72	18.47	298.864		
2,400.00	2,375.59	1,600.00	1,596.61	11.43	7.76	61.93	-1,275.75	-5,475.68	5,527.05	5,508.14	18.91	292.274		
2,500.00	2,474.31	1,656.00	1,651.58	11.89	8.09	61.94	-1,284.35	-5,482.04	5,533.89	5,514.26	19.63	281.928		
2,600.00	2,573.02	1,700.00	1,694.57	12.36	8.36	61.94	-1,291.86	-5,487.64	5,542.04	5,521.76	20.29	273.204		
2,700.00	2,671.73	1,762.74	1,755.68	12.82	8.77	61.93	-1,303.40	-5,495.98	5,551.08	5,530.02	21.06	263.534		
2,800.00	2,770.44	1,836.47	1,827.31	13.29	9.27	61.91	-1,317.80	-5,505.79	5,560.47	5,538.56	21.91	253.768		
2,900.00	2,869.15	1,900.00	1,888.95	13.76	9.71	61.89	-1,330.40	-5,514.60	5,570.47	5,547.76	22.71	245.312		
3,000.00	2,967.86	1,939.63	1,927.32	14.23	10.00	61.88	-1,338.46	-5,520.39	5,581.31	5,557.94	23.37	238.810		
3,100.00	3,066.57	2,000.00	1,985.51	14.70	10.45	61.85	-1,351.42	-5,529.91	5,593.33	5,569.17	24.16	231.498		
3,200.00	3,165.28	2,055.46	2,038.83	15.17	10.88	61.82	-1,363.71	-5,538.97	5,606.07	5,581.13	24.93	224.832		
3,300.00	3,263.99	2,180.69	2,159.35	15.64	11.85	61.77	-1,391.09	-5,559.14	5,618.70	5,592.55	26.15	214.825		
3,400.00	3,362.70	2,269.68	2,245.19	16.11	12.53	61.74	-1,409.69	-5,573.46	5,631.14	5,604.01	27.13	207.537		
3,500.00	3,461.41	2,370.53	2,342.39	16.59	13.29	61.70	-1,431.01	-5,589.84	5,643.76	5,615.57	28.19	200.190		
3,600.00	3,560.12	2,478.14	2,446.09	17.06	14.11	61.65	-1,454.01	-5,607.09	5,656.23	5,626.93	29.30	193.041		
3,700.00	3,658.84	2,576.32	2,540.66	17.53	14.86	61.61	-1,475.26	-5,622.70	5,668.63	5,638.27	30.36	186.732		
3,800.00	3,757.55	3,800.00	2,714.94	18.01	23.89	61.52	-1,515.81	-5,650.16	5,680.58	5,642.19	38.39	147.979		
3,900.00	3,856.26	2,892.41	2,845.32	18.48	17.19	61.45	-1,545.69	-5,668.83	5,690.96	5,657.69	33.27	171.058		
4,000.00	3,954.97	2,971.10	2,921.26	18.96	17.75	61.41	-1,563.16	-5,679.76	5,701.52	5,667.32	34.20	166.721		
4,100.00	4,053.68	3,067.50	3,014.36	19.44	18.43	61.37	-1,584.00	-5,693.55	5,712.35	5,677.12	35.23	162.139		
4,200.00	4,152.39	3,218.09	3,160.29	19.91	19.45	61.32	-1,614.51	-5,714.83	5,722.73	5,686.15	36.59	156.415		
4,300.00	4,251.10	3,350.71	3,288.70	20.39	20.33	61.26	-1,642.51	-5,732.57	5,732.60	5,694.77	37.83	151.525		
4,400.00	4,349.81	3,445.09	3,380.21	20.87	20.96	61.23	-1,662.28	-5,744.51	5,741.69	5,702.85	38.84	147.829		
4,500.00	4,448.52	3,500.00	3,433.38	21.34	21.32	61.20	-1,673.84	-5,751.87	5,751.51	5,711.91	39.60	145.239		
4,600.00	4,547.23	3,616.28	3,545.99	21.82	22.10	61.16	-1,698.06	-5,767.80	5,761.59	5,720.84	40.75	141.400		
4,700.00	4,645.94	3,659.52	3,587.71	22.30	22.42	61.14	-1,707.67	-5,773.82	5,772.08	5,730.63	41.45	139.252		
4,800.00	4,744.65	3,714.75	3,640.76	22.78	22.82	61.10	-1,720.88	-5,781.67	5,783.36	5,741.13	42.23	136.945		
4,900.00	4,843.37	3,780.47	3,703.70	23.26	23.33	61.05	-1,737.16	-5,791.31	5,795.29	5,752.19	43.10	134.450		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	3,852.41	3,772.51	23.74	23.91	61.00	-1,755.07	-5,802.24	5,807.76	5,763.74	44.02	131.932		
5,100.00	5,040.79	3,968.30	3,883.56	24.21	24.82	60.93	-1,782.80	-5,820.40	5,820.54	5,775.29	45.24	128.646		
5,200.00	5,139.50	4,159.54	4,068.09	24.69	26.21	60.85	-1,823.83	-5,849.32	5,832.19	5,785.27	46.92	124.302		
5,300.00	5,238.21	4,275.20	4,180.11	25.17	26.99	60.82	-1,847.34	-5,865.86	5,842.75	5,794.69	48.06	121.575		
5,400.00	5,336.92	4,371.61	4,273.54	25.65	27.64	60.79	-1,866.70	-5,879.72	5,853.36	5,804.28	49.08	119.271		
5,500.00	5,435.63	4,448.06	4,347.48	26.13	28.17	60.76	-1,882.78	-5,890.66	5,864.12	5,814.15	49.98	117.340		
5,600.00	5,534.34	4,523.94	4,420.69	26.61	28.71	60.73	-1,899.33	-5,901.78	5,875.39	5,824.51	50.88	115.479		
5,700.00	5,633.05	4,600.00	4,494.02	27.09	29.26	60.69	-1,916.15	-5,912.97	5,886.83	5,835.04	51.79	113.672		
5,800.00	5,731.76	4,666.34	4,557.93	27.57	29.75	60.66	-1,930.78	-5,923.05	5,898.77	5,846.14	52.63	112.073		
5,900.00	5,830.47	4,722.28	4,611.77	28.05	30.18	60.64	-1,942.98	-5,932.09	5,911.51	5,858.11	53.40	110.694		
6,000.00	5,929.18	5,988.14	5,857.61	28.53	36.34	61.13	-2,095.90	-6,045.14	5,917.77	5,858.03	59.74	99.056		
6,100.00	6,027.90	6,074.57	5,944.03	29.01	36.59	61.25	-2,096.46	-6,046.27	5,911.40	5,850.85	60.54	97.639		
6,200.00	6,126.61	6,180.49	6,049.94	29.49	36.91	61.39	-2,097.35	-6,047.69	5,905.14	5,843.74	61.40	96.176		
6,300.00	6,225.32	6,293.46	6,162.90	29.97	37.25	61.53	-2,098.67	-6,048.87	5,898.68	5,836.41	62.28	94.719		
6,311.21	6,236.38	6,307.28	6,176.71	30.03	37.29	61.55	-2,098.85	-6,048.99	5,897.95	5,835.57	62.38	94.553		
6,350.00	6,274.70	6,359.44	6,228.86	30.21	37.45	83.64	-2,099.50	-6,049.38	5,896.50	5,833.76	62.74	93.986		
6,355.74	6,280.37	6,367.15	6,236.57	30.23	37.47	86.94	-2,099.59	-6,049.43	5,896.48	5,833.69	62.79	93.907		
6,400.00	6,324.03	6,416.46	6,285.88	30.43	37.62	109.34	-2,100.15	-6,049.68	5,897.95	5,834.78	63.17	93.367		
6,450.00	6,373.00	6,457.74	6,327.16	30.65	37.75	126.19	-2,100.59	-6,049.93	5,903.27	5,839.72	63.55	92.896		
6,500.00	6,421.31	6,498.42	6,367.84	30.84	37.87	136.31	-2,101.01	-6,050.22	5,912.47	5,848.56	63.91	92.513		
6,550.00	6,468.66	6,563.32	6,432.73	31.03	38.07	142.62	-2,101.70	-6,050.65	5,925.40	5,861.07	64.33	92.116		
6,600.00	6,514.76	6,622.21	6,491.61	31.20	38.25	146.71	-2,102.38	-6,050.85	5,941.88	5,877.17	64.71	91.820		
6,650.00	6,559.32	6,672.28	6,541.68	31.37	38.41	149.43	-2,103.15	-6,050.91	5,961.90	5,896.84	65.06	91.634		
6,700.00	6,602.08	6,712.23	6,581.62	31.52	38.53	151.23	-2,103.91	-6,050.91	5,985.36	5,919.99	65.37	91.558 SF		
6,750.00	6,642.77	6,739.59	6,608.98	31.65	38.61	152.34	-2,104.47	-6,050.95	6,012.23	5,946.59	65.63	91.601		
6,800.00	6,681.13	6,765.31	6,634.69	31.78	38.70	152.92	-2,105.02	-6,051.04	6,042.34	5,976.46	65.88	91.718		
6,850.00	6,716.93	6,789.22	6,658.60	31.89	38.77	153.04	-2,105.55	-6,051.17	6,075.49	6,009.38	66.11	91.906		
6,900.00	6,749.95	6,836.04	6,705.40	31.99	38.92	152.83	-2,106.63	-6,051.44	6,111.43	6,045.05	66.38	92.062		
6,950.00	6,779.98	6,901.11	6,770.45	32.08	39.12	152.29	-2,108.21	-6,051.49	6,149.77	6,083.06	66.70	92.198		
7,000.00	6,806.85	7,000.00	6,769.74	32.16	39.43	150.87	-2,108.19	-6,051.50	6,190.40	6,123.23	67.17	92.158		
7,050.00	6,830.38	6,900.00	6,769.34	32.24	39.12	148.71	-2,108.18	-6,051.50	6,233.20	6,166.27	66.93	93.132		
7,100.00	6,850.43	6,931.62	6,800.95	32.35	39.22	145.86	-2,108.94	-6,051.54	6,277.68	6,210.56	67.12	93.531		
7,150.00	6,866.88	6,938.79	6,808.12	32.59	39.24	141.31	-2,109.11	-6,051.57	6,323.80	6,256.57	67.23	94.068		
7,200.00	6,879.62	6,944.26	6,813.59	32.99	39.26	134.34	-2,109.24	-6,051.61	6,371.15	6,303.83	67.32	94.642		
7,250.00	6,888.58	6,948.02	6,817.35	33.48	39.27	123.28	-2,109.32	-6,051.64	6,419.44	6,352.04	67.40	95.249		
7,300.00	6,893.70	6,950.08	6,819.40	34.02	39.28	105.72	-2,109.37	-6,051.66	6,468.35	6,400.89	67.46	95.881		
7,339.40	6,895.01	6,950.50	6,819.83	34.48	39.28	86.70	-2,109.38	-6,051.66	6,507.14	6,439.64	67.51	96.394		
7,400.00	6,895.16	6,950.34	6,819.67	35.24	39.28	86.69	-2,109.37	-6,051.66	6,566.87	6,499.30	67.57	97.190		
7,500.00	6,895.43	6,950.09	6,819.41	36.64	39.28	86.68	-2,109.37	-6,051.66	6,665.48	6,597.80	67.67	98.497		
7,600.00	6,895.69	6,949.84	6,819.16	38.20	39.28	86.67	-2,109.36	-6,051.65	6,764.12	6,696.34	67.78	99.796		
7,700.00	6,895.95	6,949.59	6,818.92	39.91	39.28	86.65	-2,109.36	-6,051.65	6,862.81	6,794.92	67.89	101.086		
7,800.00	6,896.21	6,949.35	6,818.68	41.75	39.28	86.64	-2,109.35	-6,051.65	6,961.53	6,893.53	68.00	102.369		
7,900.00	6,896.47	6,949.11	6,818.44	43.69	39.27	86.63	-2,109.35	-6,051.65	7,060.29	6,992.17	68.12	103.644		
8,000.00	6,896.74	6,948.88	6,818.20	45.73	39.27	86.62	-2,109.34	-6,051.65	7,159.08	7,090.84	68.24	104.912		
8,100.00	6,897.00	6,948.65	6,817.98	47.85	39.27	86.61	-2,109.34	-6,051.64	7,257.91	7,189.55	68.36	106.174		
8,200.00	6,897.26	6,948.42	6,817.75	50.04	39.27	86.59	-2,109.33	-6,051.64	7,356.76	7,288.28	68.48	107.429		
8,300.00	6,897.52	6,948.20	6,817.53	52.30	39.27	86.58	-2,109.33	-6,051.64	7,455.65	7,387.05	68.60	108.677		
8,400.00	6,897.78	6,947.98	6,817.31	54.61	39.27	86.57	-2,109.32	-6,051.64	7,554.57	7,485.84	68.73	109.919		
8,500.00	6,898.05	6,947.77	6,817.10	56.98	39.27	86.56	-2,109.32	-6,051.64	7,653.52	7,584.66	68.85	111.156		
8,600.00	6,898.31	6,947.56	6,816.89	59.38	39.27	86.55	-2,109.31	-6,051.64	7,752.49	7,683.51	68.98	112.387		
8,700.00	6,898.57	6,947.35	6,816.68	61.82	39.27	86.54	-2,109.31	-6,051.63	7,851.49	7,782.38	69.11	113.612		
8,800.00	6,898.83	6,947.15	6,816.47	64.30	39.27	86.53	-2,109.30	-6,051.63	7,950.51	7,881.27	69.24	114.833		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,946.95	6,816.27	66.81	39.27	86.52	-2,109.30	-6,051.63	8,049.56	7,980.19	69.36	116.048		
9,000.00	6,899.36	6,946.75	6,816.08	69.34	39.27	86.51	-2,109.29	-6,051.63	8,148.63	8,079.14	69.49	117.258		
9,100.00	6,899.62	6,946.55	6,815.88	71.90	39.27	86.50	-2,109.29	-6,051.63	8,247.72	8,178.10	69.62	118.463		
9,200.00	6,899.88	6,946.36	6,815.69	74.48	39.27	86.49	-2,109.28	-6,051.63	8,346.84	8,277.08	69.75	119.664		
9,300.00	6,900.14	6,946.17	6,815.50	77.08	39.27	86.48	-2,109.28	-6,051.63	8,445.97	8,376.09	69.88	120.860		
9,400.00	6,900.41	6,945.99	6,815.32	79.70	39.26	86.47	-2,109.28	-6,051.62	8,545.13	8,475.12	70.01	122.051		
9,500.00	6,900.67	6,945.81	6,815.13	82.33	39.26	86.46	-2,109.27	-6,051.62	8,644.30	8,574.16	70.14	123.239		
9,600.00	6,900.93	6,945.63	6,814.95	84.97	39.26	86.45	-2,109.27	-6,051.62	8,743.50	8,673.23	70.27	124.422		
9,700.00	6,901.19	6,945.45	6,814.78	87.63	39.26	86.44	-2,109.26	-6,051.62	8,842.71	8,772.31	70.40	125.600		
9,800.00	6,901.45	6,945.27	6,814.60	90.31	39.26	86.43	-2,109.26	-6,051.62	8,941.94	8,871.41	70.53	126.775		
9,900.00	6,901.72	6,945.10	6,814.43	92.99	39.26	86.42	-2,109.26	-6,051.62	9,041.19	8,970.52	70.66	127.946		
10,000.00	6,901.98	6,944.93	6,814.26	95.68	39.26	86.41	-2,109.25	-6,051.62	9,140.45	9,069.66	70.79	129.113		
10,100.00	6,902.24	6,944.77	6,814.10	98.38	39.26	86.40	-2,109.25	-6,051.61	9,239.73	9,168.81	70.92	130.276		
10,200.00	6,902.50	6,944.60	6,813.93	101.09	39.26	86.39	-2,109.24	-6,051.61	9,339.02	9,267.97	71.05	131.436		
10,300.00	6,902.76	6,944.44	6,813.77	103.81	39.26	86.39	-2,109.24	-6,051.61	9,438.33	9,367.15	71.18	132.591		
10,400.00	6,903.03	6,944.28	6,813.61	106.53	39.26	86.38	-2,109.24	-6,051.61	9,537.66	9,466.34	71.31	133.743		
10,500.00	6,903.29	6,944.12	6,813.45	109.26	39.26	86.37	-2,109.23	-6,051.61	9,637.00	9,565.55	71.44	134.892		
10,600.00	6,903.55	6,943.97	6,813.30	112.00	39.26	86.36	-2,109.23	-6,051.61	9,736.35	9,664.77	71.57	136.036		
10,700.00	6,903.81	6,943.82	6,813.14	114.75	39.26	86.35	-2,109.23	-6,051.61	9,835.71	9,764.01	71.70	137.178		
10,800.00	6,904.08	6,943.66	6,812.99	117.49	39.26	86.35	-2,109.22	-6,051.61	9,935.09	9,863.26	71.83	138.315		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	10.24	10.24	3.28	3.28	-103.01	-1,256.96	-5,441.68	5,584.97					
100.00	100.00	154.26	154.26	3.28	3.31	-103.01	-1,256.87	-5,440.59	5,584.11	5,577.51	6.60	846.641		
200.00	200.00	242.57	242.56	3.34	3.38	-103.01	-1,256.84	-5,439.90	5,583.34	5,576.62	6.72	830.873		
300.00	299.98	331.73	331.72	3.44	3.50	60.08	-1,256.86	-5,439.33	5,581.84	5,574.91	6.94	804.812		
400.00	399.84	415.66	415.65	3.59	3.64	60.17	-1,256.87	-5,439.04	5,578.90	5,571.67	7.23	772.080		
500.00	499.45	515.21	515.20	3.79	3.84	60.32	-1,256.79	-5,438.86	5,574.37	5,566.74	7.63	730.779		
600.00	598.70	624.18	624.17	4.04	4.10	60.56	-1,256.61	-5,438.51	5,567.96	5,559.83	8.13	684.581		
660.50	658.52	675.35	675.34	4.20	4.24	60.71	-1,256.55	-5,438.36	5,563.30	5,554.86	8.44	659.484		
700.00	697.51	709.12	709.11	4.31	4.33	60.76	-1,256.54	-5,438.30	5,560.11	5,551.46	8.64	643.198		
800.00	796.22	797.50	797.49	4.63	4.59	60.88	-1,256.57	-5,438.25	5,552.18	5,542.97	9.21	602.669		
900.00	894.93	865.55	865.54	4.98	4.79	60.98	-1,256.90	-5,438.40	5,544.65	5,534.89	9.76	568.145		
1,000.00	993.64	900.00	899.98	5.34	4.90	61.02	-1,257.30	-5,438.58	5,537.85	5,527.62	10.23	541.340		
1,100.00	1,092.35	957.80	957.76	5.73	5.09	61.09	-1,258.78	-5,439.26	5,531.93	5,521.13	10.80	512.245		
1,200.00	1,191.06	1,000.00	999.90	6.13	5.24	61.14	-1,260.73	-5,440.18	5,527.20	5,515.86	11.34	487.598		
1,300.00	1,289.78	1,043.22	1,043.02	6.54	5.40	61.18	-1,263.45	-5,441.42	5,523.50	5,511.60	11.90	464.150		
1,400.00	1,388.49	1,100.00	1,099.57	6.95	5.62	61.22	-1,268.11	-5,443.40	5,520.78	5,508.26	12.53	440.739		
1,500.00	1,487.20	1,139.76	1,139.10	7.38	5.80	61.24	-1,272.12	-5,445.01	5,518.97	5,505.86	13.11	420.823		
1,600.00	1,585.91	1,200.00	1,198.83	7.81	6.07	61.26	-1,279.37	-5,447.76	5,518.11	5,504.31	13.80	399.967		
1,655.15	1,640.35	1,221.09	1,219.70	8.06	6.17	61.26	-1,282.22	-5,448.80	5,517.97	5,503.84	14.13	390.436 CC		
1,700.00	1,684.62	1,248.55	1,246.85	8.25	6.31	61.26	-1,286.10	-5,450.19	5,518.05	5,503.59	14.46	381.717 ES		
1,800.00	1,783.33	1,300.00	1,297.63	8.70	6.57	61.27	-1,293.93	-5,452.92	5,518.73	5,503.59	15.14	364.628		
1,900.00	1,882.04	1,353.11	1,349.91	9.15	6.87	61.26	-1,302.76	-5,456.05	5,520.27	5,504.42	15.84	348.404		
2,000.00	1,980.75	1,400.00	1,395.93	9.60	7.13	61.25	-1,311.19	-5,459.18	5,522.80	5,506.28	16.53	334.175		
2,100.00	2,079.46	1,492.39	1,486.32	10.05	7.69	61.21	-1,329.20	-5,465.57	5,525.90	5,508.42	17.48	316.163		
2,200.00	2,178.17	1,556.36	1,548.71	10.51	8.09	61.18	-1,342.62	-5,470.00	5,529.35	5,511.06	18.29	302.307		
2,300.00	2,276.88	1,630.28	1,620.56	10.97	8.57	61.13	-1,359.09	-5,475.44	5,533.46	5,514.28	19.18	288.545		
2,400.00	2,375.59	1,718.72	1,706.13	11.43	9.17	61.05	-1,380.55	-5,481.64	5,537.73	5,517.55	20.18	274.379		
2,500.00	2,474.31	1,773.96	1,759.27	11.89	9.58	60.99	-1,395.13	-5,485.58	5,542.62	5,521.62	21.00	263.930		
2,600.00	2,573.02	1,827.51	1,810.50	12.36	9.98	60.93	-1,410.18	-5,489.63	5,548.32	5,526.50	21.82	254.252		
2,700.00	2,671.73	1,879.53	1,860.02	12.82	10.40	60.85	-1,425.54	-5,493.83	5,554.89	5,532.24	22.65	245.283		
2,800.00	2,770.44	1,934.68	1,912.26	13.29	10.87	60.77	-1,442.59	-5,498.56	5,562.30	5,538.79	23.51	236.551		
2,900.00	2,869.15	2,000.00	1,973.72	13.76	11.44	60.66	-1,463.89	-5,504.41	5,570.51	5,546.03	24.48	227.593		
3,000.00	2,967.86	2,060.66	2,030.43	14.23	12.01	60.54	-1,484.69	-5,509.97	5,579.38	5,553.95	25.43	219.360		
3,100.00	3,066.57	2,124.80	2,090.03	14.70	12.63	60.41	-1,507.67	-5,515.90	5,588.83	5,562.40	26.44	211.410		
3,200.00	3,165.28	2,180.57	2,141.58	15.17	13.19	60.30	-1,528.25	-5,521.29	5,599.04	5,571.66	27.38	204.523		
3,300.00	3,263.99	2,233.46	2,190.24	15.64	13.74	60.18	-1,548.23	-5,526.68	5,610.06	5,581.76	28.30	198.228		
3,400.00	3,362.70	2,300.00	2,251.16	16.11	14.45	60.03	-1,574.01	-5,533.92	5,621.99	5,592.62	29.37	191.437		
3,500.00	3,461.41	2,337.84	2,285.65	16.59	14.88	59.94	-1,588.96	-5,538.26	5,634.69	5,604.53	30.16	186.812		
3,600.00	3,560.12	2,400.00	2,342.07	17.06	15.59	59.79	-1,613.98	-5,545.69	5,648.28	5,617.07	31.21	180.987		
3,700.00	3,658.84	2,460.97	2,397.12	17.53	16.33	59.64	-1,639.08	-5,553.19	5,662.54	5,630.27	32.27	175.483		
3,800.00	3,757.55	2,523.76	2,453.51	18.01	17.10	59.48	-1,665.58	-5,560.97	5,677.37	5,644.01	33.36	170.173		
3,900.00	3,856.26	2,575.44	2,499.56	18.48	17.77	59.34	-1,688.11	-5,567.52	5,693.00	5,658.65	34.35	165.740		
4,000.00	3,954.97	2,633.86	2,551.20	18.96	18.55	59.17	-1,714.34	-5,575.13	5,709.44	5,674.01	35.43	161.126		
4,100.00	4,053.68	2,700.00	2,609.37	19.44	19.47	58.98	-1,744.55	-5,583.94	5,726.55	5,689.91	36.63	156.332		
4,200.00	4,152.39	2,824.86	2,719.39	19.91	21.19	58.62	-1,801.15	-5,600.73	5,743.82	5,705.26	38.55	148.978		
4,300.00	4,251.10	2,928.02	2,811.23	20.39	22.55	58.35	-1,846.04	-5,614.62	5,760.62	5,720.47	40.15	143.471		
4,400.00	4,349.81	2,981.67	2,859.03	20.87	23.25	58.21	-1,869.19	-5,622.19	5,778.03	5,736.89	41.14	140.449		
4,500.00	4,448.52	3,000.00	3,013.14	21.34	24.69	57.80	-1,940.81	-5,647.20	5,795.68	5,738.51	57.17	101.378		
4,600.00	4,547.23	3,333.73	3,176.81	21.82	27.51	57.41	-2,012.42	-5,671.30	5,811.29	5,765.56	45.73	127.084		
4,700.00	4,645.94	3,675.58	3,491.69	22.30	30.92	56.73	-2,139.47	-5,710.42	5,824.24	5,774.94	49.30	118.142		
4,800.00	4,744.65	3,700.00	3,514.28	22.78	31.15	56.69	-2,148.45	-5,712.73	5,836.02	5,786.14	49.89	116.980		
4,900.00	4,843.37	3,762.69	3,571.87	23.26	31.78	56.56	-2,172.44	-5,718.94	5,848.52	5,797.66	50.86	114.991		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	3,800.00	3,605.76	23.74	32.16	56.47	-2,187.50	-5,722.95	5,862.31	5,810.73	51.58	113.656		
5,100.00	5,040.79	3,849.87	3,650.82	24.21	32.73	56.35	-2,208.13	-5,728.58	5,877.07	5,824.61	52.46	112.026		
5,200.00	5,139.50	3,905.69	3,701.09	24.69	33.38	56.22	-2,231.47	-5,735.19	5,892.60	5,839.20	53.40	110.342		
5,300.00	5,238.21	3,976.67	3,764.84	25.17	34.23	56.05	-2,261.44	-5,743.87	5,908.75	5,854.22	54.53	108.367		
5,400.00	5,336.92	4,134.85	3,907.04	25.65	36.09	55.67	-2,327.98	-5,763.14	5,925.03	5,868.45	56.58	104.713		
5,500.00	5,435.63	4,244.79	4,007.48	26.13	37.28	55.45	-2,370.63	-5,776.52	5,940.03	5,882.00	58.03	102.354		
5,600.00	5,534.34	4,300.00	4,058.00	26.61	37.87	55.34	-2,391.68	-5,783.77	5,955.77	5,896.86	58.91	101.098		
5,700.00	5,633.05	4,353.74	4,107.07	27.09	38.48	55.24	-2,412.28	-5,791.17	5,972.26	5,912.48	59.79	99.895		
5,800.00	5,731.76	4,425.85	4,172.74	27.57	39.30	55.10	-2,440.24	-5,801.45	5,989.43	5,928.58	60.85	98.427		
5,900.00	5,830.47	4,543.04	4,279.06	28.05	40.66	54.86	-2,486.88	-5,817.51	6,006.54	5,944.12	62.42	96.235		
6,000.00	5,929.18	4,632.23	4,359.55	28.53	41.72	54.66	-2,523.48	-5,829.16	6,023.62	5,959.92	63.70	94.566		
6,100.00	6,027.90	4,700.00	4,420.37	29.01	42.54	54.51	-2,552.06	-5,837.89	6,041.07	5,976.31	64.75	93.291		
6,200.00	6,126.61	4,774.63	4,487.23	29.49	43.46	54.33	-2,583.72	-5,847.75	6,058.99	5,993.09	65.90	91.943		
6,300.00	6,225.32	4,837.85	4,543.91	29.97	44.26	54.19	-2,610.34	-5,856.50	6,077.45	6,010.53	66.92	90.820		
6,311.21	6,236.38	4,844.55	4,549.90	30.03	44.35	54.18	-2,613.18	-5,857.44	6,079.56	6,012.53	67.03	90.702		
6,350.00	6,274.70	4,867.63	4,570.52	30.21	44.65	75.87	-2,623.00	-5,860.70	6,088.01	6,020.60	67.41	90.318		
6,400.00	6,324.03	4,900.00	4,599.41	30.43	45.06	101.00	-2,636.87	-5,865.32	6,102.23	6,034.31	67.92	89.843		
6,450.00	6,373.00	4,934.22	4,629.91	30.65	45.51	117.23	-2,651.57	-5,870.27	6,120.06	6,051.60	68.45	89.403		
6,500.00	6,421.31	4,971.51	4,663.16	30.84	46.01	126.63	-2,667.54	-5,875.74	6,141.33	6,072.32	69.02	88.985		
6,550.00	6,468.66	5,258.20	4,920.25	31.03	49.51	131.81	-2,788.77	-5,912.92	6,165.28	6,092.92	72.36	85.207		
6,600.00	6,514.76	5,331.67	4,988.86	31.20	50.32	134.98	-2,818.64	-5,921.19	6,191.17	6,117.95	73.23	84.547		
6,650.00	6,559.32	5,405.08	5,053.75	31.37	51.10	136.68	-2,847.76	-5,929.39	6,219.87	6,145.79	74.07	83.968		
6,700.00	6,602.08	5,400.00	5,049.11	31.52	51.05	137.29	-2,845.77	-5,928.82	6,251.45	6,177.32	74.13	84.328		
6,750.00	6,642.77	5,437.74	5,083.57	31.65	51.45	137.03	-2,860.53	-5,933.16	6,285.66	6,211.05	74.61	84.245		
6,800.00	6,681.13	5,453.90	5,098.33	31.78	51.62	135.93	-2,866.82	-5,935.11	6,322.46	6,247.59	74.87	84.442		
6,850.00	6,716.93	5,468.59	5,111.74	31.89	51.78	133.97	-2,872.52	-5,936.93	6,361.55	6,286.43	75.12	84.686		
6,900.00	6,749.95	5,500.00	5,140.43	31.99	52.11	131.13	-2,884.66	-5,940.97	6,402.71	6,327.17	75.53	84.765		
6,950.00	6,779.98	5,500.00	5,140.43	32.08	52.11	127.00	-2,884.66	-5,940.97	6,445.51	6,369.88	75.64	85.218		
7,000.00	6,806.85	5,500.00	5,140.43	32.16	52.11	121.39	-2,884.66	-5,940.97	6,489.84	6,414.10	75.74	85.687		
7,050.00	6,830.38	5,500.00	5,140.43	32.24	52.11	113.95	-2,884.66	-5,940.97	6,535.37	6,459.52	75.85	86.166		
7,100.00	6,850.43	5,521.89	5,160.42	32.35	52.36	104.81	-2,893.10	-5,943.88	6,581.75	6,505.56	76.19	86.389		
7,150.00	6,866.88	5,527.62	5,165.64	32.59	52.42	93.41	-2,895.31	-5,944.65	6,628.77	6,552.40	76.37	86.800		
7,200.00	6,879.62	5,531.08	5,168.80	32.99	52.46	80.57	-2,896.64	-5,945.12	6,676.10	6,599.56	76.53	87.233		
7,250.00	6,888.58	5,532.28	5,169.90	33.48	52.47	67.56	-2,897.11	-5,945.28	6,723.46	6,646.78	76.68	87.681		
7,300.00	6,893.70	5,531.24	5,168.95	34.02	52.46	55.72	-2,896.71	-5,945.14	6,770.56	6,693.74	76.82	88.140		
7,339.40	6,895.01	5,528.85	5,166.77	34.48	52.44	47.71	-2,895.78	-5,944.82	6,807.31	6,730.40	76.91	88.508		
7,400.00	6,895.16	5,524.14	5,162.47	35.24	52.38	47.61	-2,893.97	-5,944.18	6,863.53	6,786.47	77.06	89.071		
7,500.00	6,895.43	5,516.44	5,155.44	36.64	52.30	47.45	-2,891.00	-5,943.15	6,956.45	6,879.15	77.30	89.988		
7,600.00	6,895.69	5,500.00	5,140.43	38.20	52.11	47.10	-2,884.66	-5,940.97	7,049.57	6,972.11	77.47	91.003		
7,700.00	6,895.95	5,500.00	5,140.43	39.91	52.11	47.10	-2,884.66	-5,940.97	7,142.84	7,065.03	77.81	91.803		
7,800.00	6,896.21	5,500.00	5,140.43	41.75	52.11	47.10	-2,884.66	-5,940.97	7,236.29	7,158.14	78.15	92.594		
7,900.00	6,896.47	5,500.00	5,140.43	43.69	52.11	47.10	-2,884.66	-5,940.97	7,329.91	7,251.41	78.50	93.377		
8,000.00	6,896.74	5,500.00	5,140.43	45.73	52.11	47.10	-2,884.66	-5,940.97	7,423.70	7,344.85	78.85	94.152		
8,100.00	6,897.00	5,500.00	5,140.43	47.85	52.11	47.10	-2,884.66	-5,940.97	7,517.65	7,438.45	79.20	94.920		
8,200.00	6,897.26	5,473.39	5,116.13	50.04	51.83	46.55	-2,874.38	-5,937.53	7,611.64	7,532.37	79.27	96.021		
8,300.00	6,897.52	5,468.16	5,111.35	52.30	51.77	46.44	-2,872.36	-5,936.88	7,705.85	7,626.28	79.57	96.847		
8,400.00	6,897.78	5,463.02	5,106.66	54.61	51.72	46.34	-2,870.36	-5,936.23	7,800.19	7,720.32	79.86	97.668		
8,500.00	6,898.05	5,457.97	5,102.05	56.98	51.66	46.23	-2,868.40	-5,935.61	7,894.66	7,814.50	80.16	98.484		
8,600.00	6,898.31	5,453.01	5,097.51	59.38	51.61	46.13	-2,866.47	-5,935.00	7,989.26	7,908.80	80.46	99.297		
8,700.00	6,898.57	5,448.13	5,093.06	61.82	51.56	46.03	-2,864.58	-5,934.41	8,083.98	8,003.23	80.75	100.106		
8,800.00	6,898.83	5,443.33	5,088.68	64.30	51.51	45.93	-2,862.71	-5,933.83	8,178.82	8,097.77	81.05	100.912		
8,900.00	6,899.10	5,438.61	5,084.37	66.81	51.46	45.83	-2,860.87	-5,933.27	8,273.78	8,192.43	81.34	101.715		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	5,433.97	5,080.13	69.34	51.41	45.74	-2,859.06	-5,932.71	8,368.84	8,287.21	81.63	102.516		
9,100.00	6,899.62	5,429.41	5,075.97	71.90	51.36	45.64	-2,857.28	-5,932.18	8,464.02	8,382.09	81.92	103.315		
9,200.00	6,899.88	5,400.00	5,049.11	74.48	51.05	45.04	-2,845.77	-5,928.82	8,559.39	8,477.45	81.94	104.464		
9,300.00	6,900.14	5,400.00	5,049.11	77.08	51.05	45.04	-2,845.77	-5,928.82	8,654.73	8,572.46	82.27	105.199		
9,400.00	6,900.41	5,400.00	5,049.11	79.70	51.05	45.04	-2,845.77	-5,928.82	8,750.19	8,667.59	82.60	105.933		
9,500.00	6,900.67	9,500.00	5,054.40	82.33	94.74	45.16	-2,848.09	-5,929.47	8,845.74	8,723.35	122.39	72.276 SF		
9,600.00	6,900.93	9,600.00	5,044.38	84.97	95.81	44.93	-2,843.69	-5,928.24	8,941.39	8,817.68	123.71	72.280		
9,700.00	6,901.19	5,419.44	5,066.87	87.63	51.25	45.44	-2,853.37	-5,930.98	9,037.12	8,953.32	83.80	107.845		
9,800.00	6,901.45	5,397.01	5,046.38	90.31	51.01	44.98	-2,844.59	-5,928.49	9,132.97	9,049.11	83.86	108.906		
9,900.00	6,901.72	5,374.39	5,025.75	92.99	50.77	44.52	-2,835.67	-5,925.97	9,228.87	9,144.96	83.92	109.976		
10,000.00	6,901.98	5,351.60	5,004.99	95.68	50.53	44.06	-2,826.62	-5,923.43	9,324.84	9,240.87	83.97	111.055		
10,100.00	6,902.24	5,328.62	4,984.09	98.38	50.29	43.60	-2,817.42	-5,920.85	9,420.86	9,336.85	84.01	112.143		
10,200.00	6,902.50	4,932.30	4,628.20	101.09	45.49	36.05	-2,650.74	-5,870.00	9,516.37	9,437.17	79.21	120.146		
10,300.00	6,902.76	4,921.88	4,618.90	103.81	45.35	35.86	-2,646.27	-5,868.48	9,612.02	9,532.67	79.35	121.137		
10,400.00	6,903.03	4,911.52	4,609.68	106.53	45.21	35.68	-2,641.82	-5,866.99	9,707.74	9,628.25	79.49	122.129		
10,500.00	6,903.29	4,900.00	4,599.41	109.26	45.06	35.48	-2,636.87	-5,865.32	9,803.53	9,723.92	79.61	123.150		
10,600.00	6,903.55	4,900.00	4,599.41	112.00	45.06	35.48	-2,636.87	-5,865.32	9,899.39	9,819.51	79.88	123.926		
10,700.00	6,903.81	4,900.00	4,599.41	114.75	45.06	35.48	-2,636.87	-5,865.32	9,995.34	9,915.19	80.15	124.703		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	22.78	2,405.50	1,010.13	2,609.05					
100.00	100.00	79.27	79.27	3.28	3.28	22.78	2,405.52	1,010.20	2,609.03	2,602.46	6.57	397.167		
200.00	200.00	179.66	179.66	3.34	3.33	22.78	2,405.56	1,010.39	2,609.14	2,602.47	6.66	391.548		
300.00	299.98	278.47	278.47	3.44	3.42	-174.16	2,405.62	1,010.51	2,610.98	2,604.11	6.86	380.445		
400.00	399.84	376.68	376.68	3.59	3.57	-174.17	2,405.77	1,010.57	2,616.35	2,609.19	7.16	365.487		
500.00	499.45	474.97	474.97	3.79	3.75	-174.17	2,406.06	1,010.45	2,625.24	2,617.70	7.54	347.980		
600.00	598.70	570.96	570.96	4.04	3.97	-174.18	2,406.45	1,010.27	2,637.66	2,629.66	8.00	329.610		
660.50	658.52	630.57	630.57	4.20	4.12	-174.19	2,406.78	1,010.08	2,646.90	2,638.59	8.32	318.232		
700.00	697.51	670.89	670.88	4.31	4.22	-174.21	2,406.99	1,009.93	2,653.33	2,644.80	8.54	310.821		
800.00	796.22	773.86	773.85	4.63	4.51	-174.26	2,407.49	1,009.41	2,669.50	2,660.38	9.12	292.592		
900.00	894.93	872.62	872.61	4.98	4.81	-174.30	2,407.87	1,008.85	2,685.57	2,675.83	9.74	275.600		
1,000.00	993.64	969.34	969.33	5.34	5.12	-174.35	2,408.24	1,008.45	2,701.69	2,691.30	10.40	259.886		
1,100.00	1,092.35	1,358.86	1,358.08	5.73	6.58	-174.32	2,388.43	1,008.21	2,714.10	2,701.94	12.15	223.329		
1,200.00	1,191.06	1,200.00	1,659.72	6.13	5.91	-174.09	2,342.61	1,006.49	2,716.19	2,704.32	11.87	228.809		
1,300.00	1,289.78	1,895.24	1,884.63	6.54	9.52	-173.70	2,289.58	1,008.17	2,710.27	2,695.18	15.09	179.602		
1,400.00	1,388.49	2,053.06	2,036.94	6.95	10.57	-173.35	2,248.36	1,011.08	2,702.82	2,686.62	16.20	166.828		
1,500.00	1,487.20	2,239.52	2,215.35	7.38	11.87	-172.92	2,194.23	1,013.22	2,692.14	2,674.68	17.46	154.228		
1,600.00	1,585.91	2,495.00	2,455.42	7.81	13.91	-172.26	2,107.05	1,012.88	2,674.70	2,655.67	19.03	140.576		
1,700.00	1,684.62	2,806.93	2,739.22	8.25	16.94	-171.19	1,977.96	1,013.16	2,649.54	2,628.59	20.95	126.448		
1,800.00	1,783.33	2,840.31	2,769.41	8.70	17.24	-171.07	1,963.73	1,012.98	2,625.28	2,603.63	21.65	121.264		
1,900.00	1,882.04	2,900.00	2,824.11	9.15	17.80	-170.87	1,939.82	1,012.77	2,603.46	2,580.99	22.47	115.864		
2,000.00	1,980.75	3,041.01	2,952.81	9.60	19.09	-170.39	1,882.25	1,011.98	2,581.41	2,557.76	23.65	109.166		
2,100.00	2,079.46	3,100.00	3,006.40	10.05	19.65	-170.17	1,857.60	1,011.61	2,558.54	2,534.05	24.49	104.454		
2,200.00	2,178.17	3,170.63	3,071.01	10.51	20.26	-169.94	1,829.10	1,010.86	2,536.89	2,511.51	25.38	99.946		
2,300.00	2,276.88	3,268.53	3,161.35	10.97	21.09	-169.64	1,791.41	1,008.93	2,516.57	2,490.19	26.38	95.398		
2,400.00	2,375.59	3,376.89	3,261.06	11.43	22.00	-169.31	1,749.06	1,006.22	2,495.51	2,468.10	27.42	91.027		
2,500.00	2,474.31	3,441.51	3,320.67	11.89	22.52	-169.12	1,724.19	1,004.22	2,474.92	2,446.63	28.28	87.503		
2,600.00	2,573.02	3,500.00	3,375.00	12.36	22.99	-168.95	1,702.59	1,002.83	2,456.03	2,426.89	29.13	84.310		
2,700.00	2,671.73	3,588.12	3,457.08	12.82	23.66	-168.68	1,670.55	1,001.58	2,438.20	2,408.10	30.10	81.004		
2,800.00	2,770.44	3,681.97	3,544.42	13.29	24.37	-168.37	1,636.22	1,000.94	2,420.57	2,389.47	31.10	77.820		
2,900.00	2,869.15	3,798.36	3,652.48	13.76	25.27	-167.96	1,592.98	1,000.89	2,402.81	2,370.59	32.22	74.573		
3,000.00	2,967.86	3,929.08	3,773.04	14.23	26.34	-167.44	1,542.47	1,001.59	2,384.00	2,350.57	33.43	71.317		
3,100.00	3,066.57	4,067.66	3,899.78	14.70	27.52	-166.85	1,486.44	1,002.80	2,363.81	2,329.11	34.70	68.131		
3,200.00	3,165.28	4,157.32	3,981.62	15.17	28.29	-166.47	1,449.82	1,002.31	2,342.71	2,306.95	35.76	65.518		
3,300.00	3,263.99	4,253.43	4,069.92	15.64	29.10	-166.11	1,411.90	1,000.57	2,322.37	2,285.54	36.83	63.060		
3,400.00	3,362.70	4,355.23	4,163.25	16.11	29.95	-165.73	1,371.32	998.41	2,301.59	2,263.67	37.92	60.696		
3,500.00	3,461.41	4,452.77	4,252.79	16.59	30.76	-165.36	1,332.70	996.15	2,281.07	2,242.07	39.00	58.487		
3,600.00	3,560.12	4,626.82	4,411.38	17.06	32.28	-164.67	1,261.20	990.88	2,258.98	2,218.63	40.34	55.994		
3,700.00	3,658.84	4,709.47	4,486.19	17.53	33.03	-164.33	1,226.22	987.80	2,235.46	2,194.05	41.41	53.984		
3,800.00	3,757.55	4,775.52	4,546.37	18.01	33.60	-164.08	1,199.13	985.10	2,213.05	2,170.63	42.42	52.176		
3,900.00	3,856.26	4,836.46	4,602.33	18.48	34.10	-163.85	1,175.14	982.47	2,192.12	2,148.72	43.39	50.518		
4,000.00	3,954.97	4,900.00	4,661.11	18.96	34.61	-163.63	1,151.13	980.22	2,172.99	2,128.62	44.37	48.976		
4,100.00	4,053.68	4,963.71	4,720.38	19.44	35.08	-163.39	1,127.83	978.48	2,155.45	2,110.12	45.34	47.544		
4,200.00	4,152.39	5,034.16	4,786.19	19.91	35.58	-163.13	1,102.70	977.07	2,139.25	2,092.93	46.32	46.185		
4,300.00	4,251.10	5,100.00	4,847.98	20.39	36.04	-162.90	1,080.00	975.94	2,124.39	2,077.11	47.28	44.935		
4,400.00	4,349.81	5,155.07	4,899.99	20.87	36.38	-162.70	1,061.93	975.29	2,111.37	2,063.20	48.17	43.831		
4,500.00	4,448.52	5,200.00	4,942.72	21.34	36.66	-162.55	1,048.05	975.13	2,100.63	2,051.62	49.00	42.867		
4,600.00	4,547.23	5,250.88	4,991.51	21.82	36.92	-162.39	1,033.62	975.14	2,092.34	2,042.53	49.81	42.007		
4,700.00	4,645.94	5,300.00	5,039.06	22.30	37.17	-162.26	1,021.32	975.17	2,086.69	2,036.11	50.58	41.257		
4,800.00	4,744.65	5,353.57	5,091.28	22.78	37.40	-162.15	1,009.39	975.16	2,083.38	2,032.07	51.31	40.604		
4,900.00	4,843.37	5,413.41	5,149.92	23.26	37.64	-162.04	997.48	975.03	2,082.07	2,030.03	52.04	40.008		
4,921.14	4,864.23	5,426.91	5,163.20	23.36	37.69	-162.02	994.99	974.98	2,082.03	2,029.83	52.19	39.890		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	5,477.34	5,212.87	23.74	37.87	-161.96	986.25	974.70	2,082.57	2,029.81	52.76	39.476		
5,100.00	5,040.79	5,544.90	5,279.61	24.21	38.11	-161.90	975.88	974.17	2,084.75	2,031.29	53.46	38.998		
5,200.00	5,139.50	5,617.19	5,351.24	24.69	38.34	-161.86	966.09	973.54	2,088.39	2,034.22	54.16	38.558		
5,300.00	5,238.21	5,700.00	5,433.43	25.17	38.60	-161.84	956.03	972.62	2,093.04	2,038.14	54.91	38.121		
5,400.00	5,336.92	5,777.06	5,510.03	25.65	38.84	-161.84	947.74	971.48	2,098.65	2,043.05	55.60	37.745		
5,500.00	5,435.63	5,848.87	5,581.53	26.13	39.05	-161.86	941.17	970.23	2,105.43	2,049.18	56.25	37.432		
5,600.00	5,534.34	5,922.87	5,655.32	26.61	39.26	-161.91	935.74	968.86	2,113.59	2,056.70	56.89	37.153		
5,700.00	5,633.05	6,008.95	5,741.21	27.09	39.50	-161.98	930.43	967.04	2,122.60	2,065.01	57.59	36.856		
5,800.00	5,731.76	6,093.32	5,825.45	27.57	39.73	-162.07	926.04	965.10	2,132.28	2,074.01	58.28	36.590		
5,900.00	5,830.47	6,172.34	5,904.38	28.05	39.95	-162.16	922.76	963.20	2,142.79	2,083.88	58.92	36.370		
6,000.00	5,929.18	6,241.81	5,973.79	28.53	40.14	-162.26	920.84	961.45	2,154.41	2,094.93	59.48	36.220		
6,100.00	6,027.90	6,300.00	6,031.96	29.01	40.30	-162.37	920.43	959.80	2,167.61	2,107.66	59.95	36.159		
6,200.00	6,126.61	6,373.34	6,105.28	29.49	40.50	-162.51	921.08	958.01	2,182.30	2,121.80	60.50	36.070		
6,300.00	6,225.32	6,464.65	6,196.56	29.97	40.75	-162.69	922.70	956.54	2,198.13	2,136.94	61.19	35.925		
6,311.21	6,236.38	6,476.72	6,208.62	30.03	40.78	-162.71	922.90	956.34	2,199.89	2,138.62	61.28	35.901		
6,350.00	6,274.70	6,523.92	6,255.81	30.21	40.91	-140.42	923.60	955.55	2,205.29	2,143.67	61.63	35.785		
6,400.00	6,324.03	6,593.49	6,325.36	30.43	41.10	-114.71	924.15	954.21	2,209.95	2,147.83	62.12	35.575		
6,450.00	6,373.00	6,627.99	6,359.86	30.65	41.20	-97.84	924.33	953.53	2,212.32	2,149.99	62.33	35.492		
6,500.00	6,421.31	6,658.40	6,390.27	30.84	41.29	-87.80	924.72	953.05	2,212.92	2,150.44	62.48	35.416		
6,550.00	6,468.66	6,700.00	6,431.85	31.03	41.40	-81.84	925.59	952.57	2,211.84	2,149.15	62.70	35.279		
6,600.00	6,514.76	6,748.53	6,480.37	31.20	41.54	-78.30	926.61	952.08	2,208.79	2,145.85	62.95	35.090		
6,650.00	6,559.32	6,816.80	6,548.62	31.37	41.73	-76.51	927.22	951.22	2,203.27	2,139.93	63.34	34.785		
6,700.00	6,602.08	6,862.78	6,594.60	31.52	41.86	-75.51	927.28	950.76	2,195.75	2,132.19	63.55	34.550		
6,750.00	6,642.77	6,906.79	6,638.62	31.65	41.99	-75.23	927.15	950.51	2,186.50	2,122.75	63.75	34.298		
6,800.00	6,681.13	6,937.22	6,669.05	31.78	42.08	-75.32	927.11	950.32	2,175.82	2,111.97	63.85	34.079		
6,850.00	6,716.93	6,966.87	6,698.70	31.89	42.16	-75.83	927.20	950.07	2,163.91	2,099.97	63.95	33.839		
6,900.00	6,749.95	6,994.02	6,725.84	31.99	42.24	-76.66	927.40	949.79	2,150.95	2,086.90	64.05	33.583		
6,950.00	6,779.98	7,021.16	6,752.98	32.08	42.32	-77.80	927.69	949.44	2,137.10	2,072.92	64.18	33.297		
7,000.00	6,806.85	7,045.92	6,777.74	32.16	42.39	-79.13	928.01	949.06	2,122.52	2,058.17	64.34	32.988		
7,050.00	6,830.38	7,067.31	6,799.12	32.24	42.45	-80.59	928.32	948.68	2,107.39	2,042.86	64.53	32.660		
7,100.00	6,850.43	7,085.23	6,817.03	32.35	42.51	-82.12	928.61	948.33	2,091.91	2,027.17	64.74	32.312		
7,150.00	6,866.88	7,099.61	6,831.40	32.59	42.55	-83.68	928.85	948.02	2,076.26	2,011.26	65.00	31.944		
7,200.00	6,879.62	7,110.38	6,842.17	32.99	42.58	-85.23	929.05	947.78	2,060.62	1,995.32	65.29	31.559		
7,250.00	6,888.58	7,117.57	6,849.36	33.48	42.60	-86.74	929.19	947.62	2,045.13	1,979.50	65.64	31.159		
7,300.00	6,893.70	7,121.20	6,852.98	34.02	42.61	-88.18	929.26	947.53	2,029.95	1,963.93	66.02	30.747		
7,339.40	6,895.01	7,121.54	6,853.32	34.48	42.61	-89.25	929.26	947.52	2,018.28	1,951.93	66.35	30.417		
7,400.00	6,895.16	7,120.38	6,852.17	35.24	42.61	-89.22	929.24	947.55	2,001.41	1,934.48	66.93	29.904		
7,500.00	6,895.43	7,118.49	6,850.28	36.64	42.60	-89.16	929.21	947.59	1,977.31	1,909.23	68.07	29.047		
7,600.00	6,895.69	7,116.62	6,848.41	38.20	42.60	-89.11	929.17	947.64	1,958.02	1,888.57	69.45	28.195		
7,700.00	6,895.95	7,114.78	6,846.57	39.91	42.59	-89.05	929.13	947.68	1,943.69	1,872.66	71.02	27.368		
7,800.00	6,896.21	7,112.97	6,844.75	41.75	42.59	-89.00	929.10	947.72	1,934.42	1,861.65	72.77	26.582		
7,900.00	6,896.47	7,111.17	6,842.96	43.69	42.58	-88.94	929.07	947.76	1,930.30	1,855.64	74.66	25.853		
7,929.67	6,896.55	7,110.65	6,842.44	44.29	42.58	-88.93	929.06	947.77	1,930.07	1,854.82	75.26	25.646 CC		
8,000.00	6,896.74	7,109.40	6,841.20	45.73	42.58	-88.89	929.03	947.80	1,931.36	1,854.69	76.66	25.192 ES		
8,100.00	6,897.00	7,107.66	6,839.45	47.85	42.57	-88.84	929.00	947.84	1,937.57	1,858.84	78.74	24.608		
8,200.00	6,897.26	7,105.94	6,837.73	50.04	42.57	-88.79	928.97	947.88	1,948.91	1,868.06	80.85	24.105		
8,300.00	6,897.52	7,104.24	6,836.03	52.30	42.56	-88.74	928.94	947.92	1,965.27	1,882.30	82.97	23.688		
8,400.00	6,897.78	7,102.56	6,834.35	54.61	42.56	-88.69	928.91	947.96	1,986.54	1,901.48	85.06	23.355		
8,500.00	6,898.05	7,100.90	6,832.69	56.98	42.55	-88.64	928.88	947.99	2,012.55	1,925.45	87.10	23.106		
8,600.00	6,898.31	7,099.28	6,831.08	59.38	42.55	-88.59	928.85	948.03	2,043.13	1,954.06	89.07	22.938		
8,700.00	6,898.57	7,097.71	6,829.51	61.82	42.54	-88.54	928.82	948.06	2,078.08	1,987.12	90.95	22.848		
8,800.00	6,898.83	7,096.17	6,827.96	64.30	42.54	-88.50	928.79	948.10	2,117.17	2,024.44	92.73	22.832 SF		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	7,094.64	6,826.44	66.81	42.53	-88.45	928.77	948.13	2,160.19	2,065.79	94.40	22.884		
9,000.00	6,899.36	7,093.15	6,824.94	69.34	42.53	-88.41	928.74	948.16	2,206.90	2,110.95	95.95	23.000		
9,100.00	6,899.62	7,091.67	6,823.47	71.90	42.52	-88.36	928.72	948.19	2,257.08	2,159.69	97.39	23.176		
9,200.00	6,899.88	7,090.22	6,822.02	74.48	42.52	-88.32	928.69	948.22	2,310.50	2,211.79	98.71	23.407		
9,300.00	6,900.14	7,088.80	6,820.59	77.08	42.52	-88.28	928.67	948.25	2,366.94	2,267.02	99.92	23.688		
9,400.00	6,900.41	7,087.39	6,819.19	79.70	42.51	-88.24	928.64	948.28	2,426.18	2,325.16	101.02	24.016		
9,500.00	6,900.67	7,086.00	6,817.80	82.33	42.51	-88.20	928.62	948.31	2,488.04	2,386.02	102.02	24.387		
9,600.00	6,900.93	7,084.64	6,816.44	84.97	42.50	-88.16	928.60	948.34	2,552.32	2,449.39	102.93	24.797		
9,700.00	6,901.19	7,083.30	6,815.10	87.63	42.50	-88.12	928.57	948.37	2,618.83	2,515.09	103.75	25.243		
9,800.00	6,901.45	7,081.97	6,813.77	90.31	42.50	-88.08	928.55	948.39	2,687.42	2,582.94	104.48	25.722		
9,900.00	6,901.72	7,080.67	6,812.47	92.99	42.49	-88.04	928.53	948.42	2,757.93	2,652.79	105.14	26.230		
10,000.00	6,901.98	7,079.38	6,811.19	95.68	42.49	-88.00	928.51	948.45	2,830.22	2,724.48	105.74	26.767		
10,100.00	6,902.24	7,078.12	6,809.92	98.38	42.48	-87.96	928.49	948.47	2,904.15	2,797.88	106.27	27.329		
10,200.00	6,902.50	7,076.87	6,808.67	101.09	42.48	-87.93	928.47	948.50	2,979.60	2,872.86	106.74	27.914		
10,300.00	6,902.76	7,075.64	6,807.44	103.81	42.48	-87.89	928.45	948.52	3,056.46	2,949.30	107.17	28.520		
10,400.00	6,903.03	7,074.43	6,806.23	106.53	42.47	-87.85	928.43	948.54	3,134.63	3,027.08	107.55	29.147		
10,500.00	6,903.29	7,073.23	6,805.04	109.26	42.47	-87.82	928.41	948.57	3,214.01	3,106.12	107.88	29.791		
10,600.00	6,903.55	7,072.05	6,803.86	112.00	42.47	-87.78	928.39	948.59	3,294.50	3,186.32	108.19	30.452		
10,700.00	6,903.81	7,070.89	6,802.70	114.75	42.46	-87.75	928.37	948.61	3,376.05	3,267.59	108.45	31.129		
10,800.00	6,904.08	7,069.74	6,801.55	117.49	42.46	-87.71	928.36	948.63	3,458.56	3,349.86	108.69	31.820		
10,900.00	6,904.34	7,068.61	6,800.42	120.25	42.46	-87.68	928.34	948.65	3,541.97	3,433.06	108.90	32.524		
11,000.00	6,904.60	7,067.50	6,799.31	123.00	42.45	-87.65	928.32	948.68	3,626.21	3,517.12	109.09	33.240		
11,100.00	6,904.86	7,066.40	6,798.21	125.77	42.45	-87.61	928.30	948.70	3,711.24	3,601.99	109.26	33.968		
11,200.00	6,905.12	7,065.31	6,797.12	128.53	42.45	-87.58	928.29	948.72	3,797.00	3,687.60	109.41	34.706		
11,300.00	6,905.39	7,064.24	6,796.05	131.30	42.44	-87.55	928.27	948.74	3,883.44	3,773.91	109.54	35.453		
11,400.00	6,905.65	7,063.19	6,794.99	134.08	42.44	-87.52	928.25	948.76	3,970.52	3,860.87	109.65	36.210		
11,500.00	6,905.91	7,062.14	6,793.95	136.85	42.44	-87.49	928.24	948.77	4,058.19	3,948.44	109.75	36.975		
11,600.00	6,906.17	7,061.12	6,792.92	139.63	42.44	-87.46	928.22	948.79	4,146.42	4,036.58	109.84	37.748		
11,700.00	6,906.43	7,060.10	6,791.91	142.42	42.43	-87.43	928.21	948.81	4,235.18	4,125.25	109.92	38.529		
11,800.00	6,906.70	7,059.10	6,790.91	145.20	42.43	-87.40	928.19	948.83	4,324.42	4,214.43	109.99	39.316		
11,900.00	6,906.96	7,058.11	6,789.92	147.99	42.43	-87.37	928.18	948.85	4,414.12	4,304.07	110.05	40.109		
12,000.00	6,907.22	7,057.13	6,788.94	150.78	42.42	-87.34	928.17	948.86	4,504.26	4,394.15	110.11	40.908		
12,100.00	6,907.48	7,056.17	6,787.98	153.57	42.42	-87.31	928.15	948.88	4,594.80	4,484.65	110.15	41.713		
12,200.00	6,907.74	7,055.22	6,787.02	156.37	42.42	-87.28	928.14	948.90	4,685.73	4,575.54	110.19	42.523		
12,300.00	6,908.01	7,054.27	6,786.08	159.17	42.42	-87.26	928.12	948.92	4,777.03	4,666.80	110.23	43.338		
12,400.00	6,908.27	7,053.35	6,785.16	161.97	42.41	-87.23	928.11	948.93	4,868.66	4,758.40	110.26	44.157		
12,500.00	6,908.53	7,052.43	6,784.24	164.77	42.41	-87.20	928.10	948.95	4,960.62	4,850.33	110.28	44.980		
12,600.00	6,908.79	7,051.52	6,783.33	167.57	42.41	-87.17	928.08	948.96	5,052.88	4,942.57	110.31	45.807		
12,700.00	6,909.06	7,050.63	6,782.44	170.38	42.40	-87.15	928.07	948.98	5,145.43	5,035.10	110.33	46.638		
12,800.00	6,909.32	7,049.74	6,781.56	173.18	42.40	-87.12	928.06	948.99	5,238.25	5,127.91	110.34	47.472		
12,900.00	6,909.58	7,048.87	6,780.68	175.99	42.40	-87.10	928.05	949.01	5,331.33	5,220.98	110.36	48.309		
13,000.00	6,909.84	7,048.01	6,779.82	178.80	42.40	-87.07	928.04	949.02	5,424.66	5,314.29	110.37	49.150		
13,100.00	6,910.10	7,047.16	6,778.97	181.61	42.39	-87.04	928.02	949.04	5,518.23	5,407.85	110.38	49.993		
13,200.00	6,910.37	7,046.31	6,778.13	184.42	42.39	-87.02	928.01	949.05	5,612.01	5,501.62	110.39	50.838		
13,300.00	6,910.63	7,045.48	6,777.29	187.24	42.39	-86.99	928.00	949.06	5,706.01	5,595.61	110.40	51.686		
13,400.00	6,910.89	7,044.66	6,776.47	190.05	42.39	-86.97	927.99	949.08	5,800.20	5,689.80	110.40	52.536		
13,500.00	6,911.15	7,043.85	6,775.66	192.87	42.39	-86.95	927.98	949.09	5,894.59	5,784.18	110.41	53.389		
13,600.00	6,911.41	7,043.04	6,774.86	195.68	42.38	-86.92	927.97	949.10	5,989.16	5,878.75	110.41	54.243		
13,700.00	6,911.68	7,042.25	6,774.06	198.50	42.38	-86.90	927.96	949.12	6,083.90	5,973.48	110.42	55.099		
13,800.00	6,911.94	7,041.46	6,773.28	201.32	42.38	-86.88	927.95	949.13	6,178.81	6,068.39	110.42	55.956		
13,900.00	6,912.20	7,040.69	6,772.50	204.14	42.38	-86.85	927.94	949.14	6,273.88	6,163.45	110.43	56.815		
14,000.00	6,912.46	7,039.92	6,771.73	206.96	42.37	-86.83	927.93	949.16	6,369.09	6,258.67	110.43	57.676		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	7,039.16	6,770.97	209.78	42.37	-86.81	927.92	949.17	6,464.46	6,354.02	110.43	58.538		
14,200.00	6,912.99	7,038.41	6,770.22	212.61	42.37	-86.78	927.91	949.18	6,559.96	6,449.52	110.44	59.400		
14,300.00	6,913.25	7,037.67	6,769.48	215.43	42.37	-86.76	927.90	949.19	6,655.59	6,545.15	110.44	60.264		
14,400.00	6,913.51	7,036.93	6,768.75	218.26	42.37	-86.74	927.89	949.20	6,751.35	6,640.90	110.44	61.129		
14,500.00	6,913.77	7,036.21	6,768.02	221.08	42.36	-86.72	927.88	949.21	6,847.22	6,736.78	110.45	61.995		
14,600.00	6,914.04	7,035.49	6,767.31	223.91	42.36	-86.70	927.87	949.23	6,943.22	6,832.77	110.45	62.862		
14,700.00	6,914.30	7,034.78	6,766.60	226.73	42.36	-86.68	927.86	949.24	7,039.33	6,928.87	110.46	63.729		
14,800.00	6,914.56	7,034.08	6,765.89	229.56	42.36	-86.66	927.85	949.25	7,135.54	7,025.08	110.46	64.597		
14,900.00	6,914.82	7,033.38	6,765.20	232.39	42.35	-86.64	927.84	949.26	7,231.86	7,121.39	110.47	65.466		
15,000.00	6,915.08	7,032.70	6,764.51	235.22	42.35	-86.62	927.83	949.27	7,328.27	7,217.80	110.47	66.335		
15,100.00	6,915.35	7,032.02	6,763.83	238.05	42.35	-86.60	927.82	949.28	7,424.78	7,314.30	110.48	67.204		
15,200.00	6,915.61	7,031.34	6,763.16	240.88	42.35	-86.58	927.81	949.29	7,521.38	7,410.89	110.49	68.074		
15,300.00	6,915.87	7,030.68	6,762.49	243.71	42.35	-86.56	927.81	949.30	7,618.07	7,507.57	110.50	68.944		
15,400.00	6,916.13	7,030.02	6,761.84	246.54	42.35	-86.54	927.80	949.31	7,714.84	7,604.34	110.51	69.814		
15,500.00	6,916.39	7,029.37	6,761.18	249.37	42.34	-86.52	927.79	949.32	7,811.69	7,701.18	110.51	70.685		
15,600.00	6,916.66	7,028.72	6,760.54	252.20	42.34	-86.50	927.78	949.33	7,908.63	7,798.10	110.52	71.555		
15,700.00	6,916.92	7,028.09	6,759.90	255.03	42.34	-86.48	927.77	949.34	8,005.63	7,895.10	110.54	72.426		
15,800.00	6,917.18	7,027.45	6,759.27	257.87	42.34	-86.46	927.77	949.35	8,102.71	7,992.17	110.55	73.296		
15,900.00	6,917.44	7,026.83	6,758.64	260.70	42.34	-86.44	927.76	949.36	8,199.86	8,089.30	110.56	74.167		
16,000.00	6,917.70	7,026.21	6,758.03	263.53	42.33	-86.42	927.75	949.37	8,297.08	8,186.51	110.57	75.037		
16,100.00	6,917.97	7,025.60	6,757.41	266.37	42.33	-86.41	927.74	949.37	8,394.36	8,283.78	110.59	75.907		
16,200.00	6,918.23	7,024.99	6,756.81	269.20	42.33	-86.39	927.74	949.38	8,491.71	8,381.11	110.60	76.777		
16,300.00	6,918.49	7,024.39	6,756.21	272.04	42.33	-86.37	927.73	949.39	8,589.12	8,478.50	110.62	77.647		
16,400.00	6,918.75	7,023.80	6,755.61	274.87	42.33	-86.35	927.72	949.40	8,686.58	8,575.95	110.63	78.517		
16,500.00	6,919.02	7,023.21	6,755.02	277.71	42.33	-86.33	927.72	949.41	8,784.11	8,673.45	110.65	79.386		
16,600.00	6,919.28	7,022.62	6,754.44	280.55	42.32	-86.32	927.71	949.42	8,881.68	8,771.01	110.67	80.255		
16,700.00	6,919.54	7,022.05	6,753.86	283.38	42.32	-86.30	927.70	949.43	8,979.31	8,868.63	110.69	81.123		
16,800.00	6,919.80	7,021.48	6,753.29	286.22	42.32	-86.28	927.69	949.43	9,077.00	8,966.29	110.71	81.991		
16,900.00	6,920.06	7,020.91	6,752.73	289.06	42.32	-86.27	927.69	949.44	9,174.73	9,064.00	110.73	82.859		
17,000.00	6,920.33	7,000.00	6,731.82	291.90	42.26	-85.65	927.46	949.72	9,272.55	9,161.87	110.68	83.778		
17,100.00	6,920.59	7,000.00	6,731.82	294.73	42.26	-85.65	927.46	949.72	9,370.38	9,259.68	110.70	84.644		
17,200.00	6,920.85	7,000.00	6,731.82	297.57	42.26	-85.65	927.46	949.72	9,468.25	9,357.52	110.73	85.508		
17,300.00	6,921.11	7,000.00	6,731.82	300.41	42.26	-85.65	927.46	949.72	9,566.16	9,455.41	110.75	86.373		
17,400.00	6,921.37	7,000.00	6,731.82	303.25	42.26	-85.65	927.46	949.72	9,664.12	9,553.34	110.78	87.236		
17,500.00	6,921.64	7,000.00	6,731.82	306.09	42.26	-85.65	927.46	949.72	9,762.12	9,651.31	110.81	88.099		
17,600.00	6,921.90	7,000.00	6,731.82	308.93	42.26	-85.65	927.46	949.72	9,860.16	9,749.32	110.84	88.961		
17,638.91	6,922.00	7,000.00	6,731.82	310.03	42.26	-85.65	927.46	949.72	9,898.31	9,787.46	110.85	89.296		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	2,133.90	2,037.03	3.28	26.72	92.47	-223.64	5,175.80	5,585.21					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	92.29	-205.92	5,152.60	5,547.90	5,526.47	21.43	258.854		
200.00	200.00	2,252.23	2,143.12	3.34	29.41	92.13	-191.24	5,134.64	5,511.22	5,489.02	22.21	248.193		
300.00	299.98	2,300.00	2,185.87	3.44	30.49	-105.71	-176.87	5,118.87	5,475.98	5,453.01	22.97	238.368		
400.00	399.84	2,335.85	2,398.50	3.59	35.67	-107.24	-114.59	5,038.29	5,441.83	5,415.63	26.21	207.655		
500.00	499.45	2,634.61	2,487.01	3.79	38.00	-108.34	-88.82	5,002.84	5,406.60	5,378.84	27.75	194.802		
600.00	598.70	2,905.38	2,724.20	4.04	45.38	-110.35	-6.22	4,901.96	5,370.49	5,337.93	32.56	164.928		
660.50	658.52	2,900.00	2,719.57	4.20	45.22	-110.75	-8.04	4,904.02	5,349.05	5,316.35	32.70	163.565		
700.00	697.51	2,900.00	2,719.57	4.31	45.22	-110.75	-8.04	4,904.02	5,335.52	5,302.65	32.87	162.309		
800.00	796.22	2,956.55	2,768.64	4.63	46.77	-111.06	10.48	4,882.87	5,301.52	5,267.18	34.34	154.386		
900.00	894.93	3,000.00	2,806.89	4.98	47.96	-111.29	23.94	4,867.28	5,269.06	5,233.43	35.62	147.908		
1,000.00	993.64	3,000.00	2,806.89	5.34	47.96	-111.29	23.94	4,867.28	5,237.77	5,201.59	36.18	144.784		
1,100.00	1,092.35	3,056.20	2,856.90	5.73	49.26	-111.58	40.60	4,847.79	5,207.53	5,169.92	37.62	138.434		
1,200.00	1,191.06	3,100.00	2,896.20	6.13	50.28	-111.81	53.12	4,833.05	5,178.50	5,139.60	38.90	133.114		
1,300.00	1,289.78	3,249.91	3,030.43	6.54	53.70	-112.58	95.65	4,781.62	5,149.05	5,107.27	41.78	123.252		
1,400.00	1,388.49	3,300.00	3,075.50	6.95	54.84	-112.83	109.06	4,764.36	5,120.17	5,076.98	43.19	118.546		
1,500.00	1,487.20	3,333.65	3,106.00	7.38	55.50	-113.00	117.65	4,753.03	5,092.41	5,048.10	44.31	114.930		
1,600.00	1,585.91	3,363.10	3,132.90	7.81	56.08	-113.14	124.86	4,743.44	5,065.97	5,020.58	45.39	111.610		
1,700.00	1,684.62	3,400.00	3,166.86	8.25	56.80	-113.31	133.46	4,731.87	5,040.87	4,994.29	46.58	108.228		
1,800.00	1,783.33	3,510.87	3,268.96	8.70	58.78	-113.84	159.41	4,697.32	5,016.37	4,967.77	48.60	103.214		
1,900.00	1,882.04	3,572.44	3,325.46	9.15	59.91	-114.14	174.54	4,678.09	4,992.11	4,941.99	50.12	99.601		
2,000.00	1,980.75	3,635.06	3,382.96	9.60	61.02	-114.45	190.19	4,658.86	4,968.64	4,916.99	51.65	96.203		
2,100.00	2,079.46	3,700.00	3,443.03	10.05	62.14	-114.76	205.14	4,639.23	4,945.93	4,892.75	53.19	92.993		
2,200.00	2,178.17	3,741.05	3,481.25	10.51	62.75	-114.95	213.95	4,627.13	4,924.19	4,869.81	54.38	90.549		
2,300.00	2,276.88	4,255.28	3,949.44	10.97	73.32	-117.54	336.80	4,456.20	4,898.84	4,836.82	62.02	78.992		
2,400.00	2,375.59	4,300.00	3,988.41	11.43	74.57	-117.82	351.14	4,439.61	4,870.93	4,807.10	63.83	76.312		
2,500.00	2,474.31	4,300.00	3,988.41	11.89	74.57	-117.82	351.14	4,439.61	4,844.58	4,779.82	64.77	74.802		
2,600.00	2,573.02	4,356.48	4,037.99	12.36	75.97	-118.16	369.20	4,419.46	4,819.15	4,752.39	66.76	72.190		
2,700.00	2,671.73	4,400.00	4,076.71	12.82	77.06	-118.43	382.64	4,404.83	4,795.54	4,727.03	68.52	69.992		
2,800.00	2,770.44	4,400.00	4,076.71	13.29	77.06	-118.43	382.64	4,404.83	4,773.30	4,703.85	69.45	68.728		
2,900.00	2,869.15	4,457.95	4,128.89	13.76	78.23	-118.77	399.70	4,386.29	4,752.32	4,681.02	71.30	66.654		
3,000.00	2,967.86	4,500.00	4,167.15	14.23	79.08	-119.01	411.40	4,373.35	4,732.68	4,659.78	72.89	64.927		
3,100.00	3,066.57	4,631.35	4,286.73	14.70	81.58	-119.75	447.59	4,332.82	4,713.31	4,637.53	75.79	62.191		
3,200.00	3,165.28	3,200.00	4,405.42	15.17	53.24	-120.50	482.74	4,291.66	4,693.77	4,638.94	54.83	85.608		
3,300.00	3,263.99	4,864.14	4,498.35	15.64	86.21	-121.08	509.94	4,258.53	4,673.81	4,592.57	81.25	57.526		
3,400.00	3,362.70	5,171.62	4,773.43	16.11	93.41	-122.94	595.50	4,151.21	4,651.79	4,564.21	87.59	53.111		
3,500.00	3,461.41	5,319.40	4,903.45	16.59	97.40	-123.87	638.01	4,095.29	4,628.10	4,536.53	91.57	50.543		
3,600.00	3,560.12	5,396.55	4,971.62	17.06	99.47	-124.35	659.01	4,065.88	4,604.54	4,510.36	94.18	48.891		
3,700.00	3,658.84	3,700.00	5,115.94	17.53	54.81	-125.34	700.19	4,003.36	4,580.98	4,518.10	62.88	72.850		
3,800.00	3,757.55	5,678.76	5,222.57	18.01	106.82	-126.04	726.72	3,956.16	4,556.30	4,454.97	101.33	44.965		
3,900.00	3,856.26	5,726.84	5,266.00	18.48	107.94	-126.31	735.72	3,937.61	4,532.38	4,429.15	103.22	43.908		
4,000.00	3,954.97	5,766.86	5,302.45	18.96	108.80	-126.52	742.81	3,922.68	4,509.74	4,404.78	104.96	42.967		
4,100.00	4,053.68	6,000.00	5,513.32	19.44	114.29	-127.79	784.98	3,832.80	4,486.16	4,376.87	109.28	41.051		
4,200.00	4,152.39	6,054.42	5,562.13	19.91	115.57	-128.10	794.75	3,810.81	4,461.75	4,350.44	111.31	40.084		
4,300.00	4,251.10	6,100.00	5,603.82	20.39	116.64	-128.33	801.61	3,793.71	4,439.18	4,325.97	113.21	39.210		
4,400.00	4,349.81	6,100.00	5,603.82	20.87	116.64	-128.33	801.61	3,793.71	4,418.05	4,303.51	114.54	38.572		
4,500.00	4,448.52	6,135.88	5,637.11	21.34	117.19	-128.51	806.29	3,781.20	4,398.55	4,282.46	116.09	37.891		
4,600.00	4,547.23	6,160.62	5,660.32	21.82	117.58	-128.62	809.22	3,773.12	4,380.78	4,263.25	117.53	37.274		
4,700.00	4,645.94	6,200.00	5,697.61	22.30	118.19	-128.79	813.40	3,761.19	4,364.79	4,245.74	119.06	36.661		
4,800.00	4,744.65	6,200.00	5,697.61	22.78	118.19	-128.79	813.40	3,761.19	4,350.38	4,230.12	120.26	36.175		
4,900.00	4,843.37	6,254.97	5,750.34	23.26	118.69	-129.01	817.60	3,746.28	4,337.37	4,215.78	121.59	35.672		
5,000.00	4,942.08	6,300.00	5,794.01	23.74	119.10	-129.15	819.26	3,735.45	4,325.86	4,203.01	122.85	35.212		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	6,300.00	5,794.01	24.21	119.10	-129.15	819.26	3,735.45	4,316.06	4,192.11	123.95	34.821		
5,200.00	5,139.50	6,358.33	5,851.07	24.69	119.38	-129.32	819.82	3,723.33	4,307.34	4,182.33	125.00	34.457		
5,300.00	5,238.21	6,400.00	5,892.08	25.17	119.59	-129.42	819.55	3,715.98	4,300.50	4,174.47	126.03	34.123		
5,400.00	5,336.92	6,400.00	5,892.08	25.65	119.59	-129.42	819.55	3,715.98	4,295.35	4,168.34	127.01	33.819		
5,500.00	5,435.63	6,450.50	5,942.00	26.13	119.73	-129.53	818.99	3,708.41	4,291.55	4,163.63	127.92	33.549		
5,600.00	5,534.34	6,500.00	5,991.12	26.61	119.86	-129.64	818.69	3,702.33	4,289.70	4,160.90	128.81	33.303		
5,669.71	5,603.15	6,500.00	5,991.12	26.94	119.86	-129.64	818.69	3,702.33	4,289.14	4,159.73	129.41	33.145		
5,700.00	5,633.05	6,500.00	5,991.12	27.09	119.86	-129.64	818.69	3,702.33	4,289.24	4,159.59	129.66	33.082		
5,800.00	5,731.76	6,500.00	5,991.12	27.57	119.86	-129.64	818.69	3,702.33	4,291.11	4,160.68	130.44	32.898		
5,900.00	5,830.47	6,552.84	6,043.75	28.05	119.94	-129.76	818.80	3,697.58	4,293.89	4,162.68	131.21	32.725		
6,000.00	5,929.18	6,600.00	6,090.84	28.53	120.02	-129.85	819.46	3,695.12	4,299.25	4,167.29	131.96	32.579		
6,100.00	6,027.90	6,600.00	6,090.84	29.01	120.02	-129.85	819.46	3,695.12	4,305.80	4,173.20	132.60	32.472		
6,200.00	6,126.61	6,656.34	6,147.14	29.49	120.08	-129.97	820.41	3,693.47	4,314.07	4,180.78	133.30	32.365		
6,300.00	6,225.32	6,728.34	6,219.12	29.97	120.15	-130.10	821.23	3,692.16	4,323.19	4,189.19	134.00	32.262		
6,311.21	6,236.38	6,738.89	6,229.67	30.03	120.16	-130.12	821.34	3,692.00	4,324.24	4,190.16	134.08	32.250		
6,350.00	6,274.70	6,775.42	6,266.20	30.21	120.20	-130.10	821.71	3,691.45	4,326.82	4,192.44	134.38	32.199		
6,400.00	6,324.03	6,827.82	6,318.59	30.43	120.25	-82.58	822.23	3,690.67	4,326.95	4,192.18	134.77	32.105		
6,450.00	6,373.00	6,885.66	6,376.42	30.65	120.31	-65.98	822.73	3,689.74	4,323.42	4,188.23	135.19	31.980		
6,500.00	6,421.31	6,937.32	6,428.07	30.84	120.36	-56.20	823.15	3,688.82	4,316.26	4,180.66	135.60	31.831		
6,550.00	6,468.66	6,986.06	6,476.80	31.03	120.41	-50.36	823.62	3,687.90	4,305.60	4,169.59	136.01	31.656		
6,600.00	6,514.76	7,026.74	6,517.47	31.20	120.45	-46.81	824.09	3,687.11	4,291.53	4,155.12	136.41	31.460		
6,650.00	6,559.32	7,063.31	6,554.03	31.37	120.49	-44.70	824.61	3,686.41	4,274.22	4,137.41	136.81	31.242		
6,700.00	6,602.08	7,098.32	6,589.03	31.52	120.53	-43.60	825.20	3,685.77	4,253.80	4,116.59	137.21	31.001		
6,750.00	6,642.77	7,139.23	6,629.92	31.65	120.57	-43.32	826.00	3,685.01	4,230.36	4,092.72	137.64	30.735		
6,800.00	6,681.13	7,177.95	6,668.63	31.78	120.61	-43.70	826.87	3,684.22	4,204.01	4,065.94	138.07	30.449		
6,850.00	6,716.93	7,216.82	6,707.47	31.89	120.66	-44.70	827.84	3,683.37	4,174.93	4,036.42	138.51	30.142		
6,900.00	6,749.95	7,256.80	6,747.43	31.99	120.70	-46.33	828.79	3,682.44	4,143.28	4,004.31	138.96	29.816		
6,950.00	6,779.98	7,292.91	6,783.52	32.08	120.74	-48.58	829.58	3,681.56	4,109.26	3,969.84	139.42	29.474		
7,000.00	6,806.85	7,318.98	6,809.58	32.16	120.77	-51.40	830.11	3,680.92	4,073.13	3,933.27	139.87	29.122		
7,050.00	6,830.38	7,340.19	6,830.78	32.24	120.79	-54.91	830.54	3,680.40	4,035.17	3,894.85	140.32	28.757		
7,100.00	6,850.43	7,358.11	6,848.69	32.35	120.81	-59.20	830.90	3,679.97	3,995.60	3,854.82	140.78	28.382		
7,150.00	6,866.88	7,372.62	6,863.19	32.59	120.83	-64.33	831.19	3,679.63	3,954.68	3,813.43	141.25	27.998		
7,200.00	6,879.62	7,383.62	6,874.18	32.99	120.84	-70.34	831.40	3,679.37	3,912.66	3,770.93	141.73	27.607		
7,250.00	6,888.58	7,391.03	6,881.59	33.48	120.85	-77.19	831.55	3,679.20	3,869.80	3,727.58	142.22	27.211		
7,300.00	6,893.70	7,394.80	6,885.36	34.02	120.86	-84.73	831.62	3,679.11	3,826.36	3,683.65	142.71	26.811		
7,339.40	6,895.01	7,395.18	6,885.74	34.48	120.86	-91.00	831.63	3,679.10	3,791.90	3,648.79	143.11	26.496		
7,400.00	6,895.16	7,394.00	6,884.56	35.24	120.86	-90.97	831.60	3,679.13	3,738.93	3,595.19	143.74	26.012		
7,500.00	6,895.43	7,392.05	6,882.61	36.64	120.85	-90.91	831.57	3,679.17	3,652.04	3,507.18	144.86	25.210		
7,600.00	6,895.69	7,390.09	6,880.66	38.20	120.85	-90.84	831.53	3,679.22	3,565.84	3,419.74	146.09	24.408		
7,700.00	6,895.95	7,388.13	6,878.69	39.91	120.85	-90.78	831.49	3,679.26	3,480.37	3,332.93	147.43	23.606		
7,800.00	6,896.21	7,386.15	6,876.72	41.75	120.85	-90.72	831.45	3,679.31	3,395.69	3,246.79	148.90	22.806		
7,900.00	6,896.47	7,384.17	6,874.74	43.69	120.84	-90.66	831.41	3,679.36	3,311.87	3,161.38	150.49	22.008		
8,000.00	6,896.74	7,382.18	6,872.75	45.73	120.84	-90.60	831.37	3,679.40	3,228.96	3,076.76	152.20	21.215		
8,100.00	6,897.00	7,380.18	6,870.75	47.85	120.84	-90.53	831.33	3,679.45	3,147.05	2,992.99	154.06	20.427		
8,200.00	6,897.26	7,378.17	6,868.74	50.04	120.84	-90.47	831.29	3,679.50	3,066.21	2,910.16	156.05	19.649		
8,300.00	6,897.52	7,376.16	6,866.73	52.30	120.84	-90.41	831.26	3,679.54	2,986.53	2,828.34	158.19	18.880		
8,400.00	6,897.78	7,374.14	6,864.71	54.61	120.83	-90.34	831.22	3,679.59	2,908.10	2,747.64	160.47	18.123		
8,500.00	6,898.05	7,372.10	6,862.68	56.98	120.83	-90.28	831.18	3,679.64	2,831.04	2,668.15	162.89	17.381		
8,600.00	6,898.31	7,370.06	6,860.64	59.38	120.83	-90.22	831.14	3,679.69	2,755.44	2,590.00	165.45	16.655		
8,700.00	6,898.57	7,368.02	6,858.59	61.82	120.83	-90.15	831.09	3,679.73	2,681.44	2,513.30	168.14	15.947		
8,800.00	6,898.83	7,365.96	6,856.53	64.30	120.82	-90.09	831.05	3,679.78	2,609.18	2,438.21	170.97	15.261		
8,900.00	6,899.10	7,363.89	6,854.47	66.81	120.82	-90.02	831.01	3,679.83	2,538.79	2,364.87	173.92	14.597		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	7,361.82	6,852.40	69.34	120.82	-89.96	830.97	3,679.88	2,470.45	2,293.47	176.98	13.959		
9,100.00	6,899.62	7,359.74	6,850.31	71.90	120.82	-89.89	830.93	3,679.93	2,404.33	2,224.19	180.13	13.348		
9,200.00	6,899.88	7,357.64	6,848.22	74.48	120.81	-89.83	830.89	3,679.98	2,340.60	2,157.24	183.36	12.765		
9,300.00	6,900.14	7,355.54	6,846.12	77.08	120.81	-89.76	830.85	3,680.03	2,279.48	2,092.85	186.64	12.213		
9,400.00	6,900.41	7,353.43	6,844.02	79.70	120.81	-89.70	830.81	3,680.08	2,221.19	2,031.25	189.93	11.695		
9,500.00	6,900.67	7,351.32	6,841.90	82.33	120.81	-89.63	830.76	3,680.13	2,165.94	1,972.72	193.21	11.210		
9,600.00	6,900.93	7,349.19	6,839.77	84.97	120.80	-89.56	830.72	3,680.18	2,113.97	1,917.53	196.44	10.761		
9,700.00	6,901.19	7,347.05	6,837.64	87.63	120.80	-89.50	830.68	3,680.23	2,065.55	1,865.98	199.56	10.350		
9,800.00	6,901.45	7,344.91	6,835.49	90.31	120.80	-89.43	830.63	3,680.29	2,020.91	1,818.37	202.53	9.978		
9,900.00	6,901.72	7,342.75	6,833.34	92.99	120.80	-89.36	830.59	3,680.34	1,980.31	1,775.02	205.29	9.646		
10,000.00	6,901.98	7,340.59	6,831.18	95.68	120.80	-89.29	830.55	3,680.39	1,944.02	1,736.24	207.78	9.356		
10,100.00	6,902.24	7,338.42	6,829.01	98.38	120.79	-89.23	830.50	3,680.44	1,912.27	1,702.33	209.94	9.109		
10,200.00	6,902.50	7,336.24	6,826.83	101.09	120.79	-89.16	830.46	3,680.49	1,885.29	1,673.58	211.70	8.905		
10,300.00	6,902.76	7,334.04	6,824.63	103.81	120.79	-89.09	830.42	3,680.55	1,863.29	1,650.26	213.03	8.747		
10,400.00	6,903.03	7,331.84	6,822.44	106.53	120.79	-89.02	830.37	3,680.60	1,846.45	1,632.58	213.87	8.634		
10,500.00	6,903.29	7,329.63	6,820.23	109.26	120.78	-88.95	830.33	3,680.66	1,834.91	1,620.73	214.18	8.567		
10,600.00	6,903.55	7,327.41	6,818.01	112.00	120.78	-88.88	830.28	3,680.71	1,828.77	1,614.83	213.94	8.548 SF		
10,662.51	6,903.71	7,326.02	6,816.62	113.72	120.78	-88.84	830.25	3,680.74	1,827.70	1,614.19	213.51	8.560 CC, ES		
10,700.00	6,903.81	7,325.18	6,815.78	114.75	120.78	-88.81	830.24	3,680.76	1,828.09	1,614.94	213.14	8.577		
10,800.00	6,904.08	7,322.94	6,813.54	117.49	120.78	-88.74	830.19	3,680.82	1,832.86	1,621.06	211.80	8.654		
10,900.00	6,904.34	7,320.70	6,811.29	120.25	120.77	-88.67	830.15	3,680.87	1,843.06	1,633.12	209.94	8.779		
11,000.00	6,904.60	7,318.44	6,809.04	123.00	120.77	-88.60	830.10	3,680.93	1,858.58	1,650.99	207.60	8.953		
11,100.00	6,904.86	7,316.17	6,806.77	125.77	120.77	-88.53	830.05	3,680.99	1,879.31	1,674.48	204.83	9.175		
11,200.00	6,905.12	7,314.51	6,805.12	128.53	120.77	-88.48	830.02	3,681.02	1,905.06	1,703.37	201.69	9.446		
11,300.00	6,905.39	7,312.06	6,802.66	131.30	120.76	-88.40	829.97	3,681.08	1,935.63	1,737.39	198.25	9.764		
11,400.00	6,905.65	7,309.62	6,800.22	134.08	120.76	-88.32	829.92	3,681.15	1,970.81	1,776.23	194.58	10.129		
11,500.00	6,905.91	7,307.19	6,797.80	136.85	120.76	-88.25	829.87	3,681.21	2,010.36	1,819.60	190.76	10.539		
11,600.00	6,906.17	7,304.78	6,795.39	139.63	120.75	-88.17	829.82	3,681.27	2,054.01	1,867.17	186.84	10.993		
11,700.00	6,906.43	7,302.39	6,792.99	142.42	120.75	-88.10	829.77	3,681.33	2,101.51	1,918.61	182.90	11.490		
11,800.00	6,906.70	7,300.01	6,790.62	145.20	120.75	-88.02	829.72	3,681.39	2,152.61	1,973.62	178.99	12.027		
11,900.00	6,906.96	7,297.64	6,788.25	147.99	120.75	-87.95	829.67	3,681.45	2,207.06	2,031.90	175.16	12.600		
12,000.00	6,907.22	7,295.29	6,785.90	150.78	120.74	-87.87	829.63	3,681.50	2,264.61	2,093.15	171.46	13.208		
12,100.00	6,907.48	7,292.95	6,783.57	153.57	120.74	-87.80	829.58	3,681.56	2,325.04	2,157.11	167.93	13.845		
12,200.00	6,907.74	7,290.63	6,781.25	156.37	120.74	-87.73	829.53	3,681.62	2,388.13	2,223.54	164.59	14.509		
12,300.00	6,908.01	7,288.32	6,778.94	159.17	120.74	-87.66	829.48	3,681.68	2,453.67	2,292.20	161.47	15.196		
12,400.00	6,908.27	7,286.03	6,776.65	161.97	120.73	-87.58	829.43	3,681.73	2,521.48	2,362.89	158.59	15.899		
12,500.00	6,908.53	7,283.75	6,774.37	164.77	120.73	-87.51	829.38	3,681.79	2,591.36	2,435.41	155.95	16.617		
12,600.00	6,908.79	7,281.49	6,772.10	167.57	120.73	-87.44	829.33	3,681.85	2,663.17	2,509.61	153.56	17.343		
12,700.00	6,909.06	7,279.23	6,769.85	170.38	120.73	-87.37	829.29	3,681.90	2,736.74	2,585.33	151.41	18.075		
12,800.00	6,909.32	7,276.99	6,767.61	173.18	120.72	-87.30	829.24	3,681.96	2,811.95	2,662.44	149.50	18.808		
12,900.00	6,909.58	7,274.77	6,765.39	175.99	120.72	-87.23	829.19	3,682.01	2,888.65	2,740.83	147.82	19.541		
13,000.00	6,909.84	7,272.56	6,763.18	178.80	120.72	-87.16	829.14	3,682.06	2,966.75	2,820.39	146.35	20.271		
13,100.00	6,910.10	7,270.36	6,760.98	181.61	120.72	-87.09	829.09	3,682.12	3,046.12	2,901.04	145.08	20.997		
13,200.00	6,910.37	7,268.17	6,758.80	184.42	120.71	-87.02	829.04	3,682.17	3,126.67	2,982.70	143.97	21.717		
13,300.00	6,910.63	7,266.00	6,756.63	187.24	120.71	-86.96	828.99	3,682.22	3,208.32	3,065.30	143.03	22.432		
13,400.00	6,910.89	7,263.84	6,754.47	190.05	120.71	-86.89	828.95	3,682.27	3,290.98	3,148.77	142.22	23.141		
13,500.00	6,911.15	7,261.69	6,752.32	192.87	120.71	-86.82	828.90	3,682.32	3,374.58	3,233.05	141.53	23.844		
13,600.00	6,911.41	7,259.56	6,750.19	195.68	120.70	-86.75	828.85	3,682.38	3,459.05	3,318.11	140.94	24.543		
13,700.00	6,911.68	7,257.44	6,748.07	198.50	120.70	-86.69	828.80	3,682.43	3,544.32	3,403.88	140.44	25.237		
13,800.00	6,911.94	7,255.33	6,745.96	201.32	120.70	-86.62	828.75	3,682.48	3,630.34	3,490.32	140.02	25.927		
13,900.00	6,912.20	7,253.23	6,743.86	204.14	120.70	-86.56	828.71	3,682.53	3,717.07	3,577.40	139.67	26.614		
14,000.00	6,912.46	7,251.14	6,741.78	206.96	120.69	-86.49	828.66	3,682.57	3,804.44	3,665.07	139.37	27.298		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	7,249.07	6,739.71	209.78	120.69	-86.43	828.61	3,682.62	3,892.42	3,753.30	139.12	27.979		
14,200.00	6,912.99	7,247.01	6,737.65	212.61	120.69	-86.36	828.56	3,682.67	3,980.96	3,842.06	138.91	28.659		
14,300.00	6,913.25	7,244.96	6,735.60	215.43	120.69	-86.30	828.52	3,682.72	4,070.04	3,931.31	138.73	29.338		
14,400.00	6,913.51	7,242.92	6,733.56	218.26	120.69	-86.23	828.47	3,682.77	4,159.61	4,021.03	138.59	30.015		
14,500.00	6,913.77	7,240.90	6,731.54	221.08	120.68	-86.17	828.42	3,682.81	4,249.65	4,111.18	138.46	30.691		
14,600.00	6,914.04	7,238.88	6,729.53	223.91	120.68	-86.11	828.37	3,682.86	4,340.12	4,201.75	138.36	31.368		
14,700.00	6,914.30	5,212.86	4,809.77	226.73	94.50	-38.11	607.47	4,135.82	4,430.43	4,305.91	124.52	35.581		
14,800.00	6,914.56	5,187.03	4,787.02	229.56	93.82	-37.67	599.96	4,145.48	4,511.68	4,387.42	124.26	36.308		
14,900.00	6,914.82	5,163.26	4,766.05	232.39	93.20	-37.27	593.09	4,154.31	4,593.48	4,469.44	124.04	37.032		
15,000.00	6,915.08	5,139.78	4,745.31	235.22	92.58	-36.88	586.32	4,162.98	4,675.81	4,551.98	123.82	37.761		
15,100.00	6,915.35	5,116.57	4,724.77	238.05	91.98	-36.50	579.67	4,171.51	4,758.62	4,635.02	123.61	38.498		
15,200.00	6,915.61	5,100.00	4,710.09	240.88	91.55	-36.23	574.94	4,177.56	4,841.93	4,718.43	123.50	39.207		
15,300.00	6,915.87	5,077.20	4,689.85	243.71	90.99	-35.86	568.48	4,185.84	4,925.70	4,802.41	123.29	39.952		
15,400.00	6,916.13	5,059.64	4,674.23	246.54	90.57	-35.58	563.56	4,192.17	5,009.94	4,886.78	123.16	40.678		
15,500.00	6,916.39	5,042.32	4,658.78	249.37	90.15	-35.30	558.75	4,198.37	5,094.64	4,971.60	123.03	41.409		
15,600.00	6,916.66	5,025.22	4,643.51	252.20	89.73	-35.03	554.05	4,204.45	5,179.76	5,056.85	122.90	42.145		
15,700.00	6,916.92	5,000.00	4,620.93	255.03	89.12	-34.64	547.21	4,213.35	5,265.30	5,142.65	122.65	42.929		
15,800.00	6,917.18	5,000.00	4,620.93	257.87	89.12	-34.64	547.21	4,213.35	5,351.23	5,228.46	122.77	43.587		
15,900.00	6,917.44	5,000.00	4,620.93	260.70	89.12	-34.64	547.21	4,213.35	5,437.63	5,314.75	122.88	44.251		
16,000.00	6,917.70	4,965.02	4,589.51	263.53	88.36	-34.10	537.73	4,225.45	5,524.22	5,401.73	122.48	45.102		
16,100.00	6,917.97	4,951.62	4,577.44	266.37	88.07	-33.90	534.07	4,229.99	5,611.27	5,488.88	122.39	45.847		
16,200.00	6,918.23	4,938.53	4,565.64	269.20	87.78	-33.70	530.48	4,234.37	5,698.67	5,576.37	122.30	46.596		
16,300.00	6,918.49	4,900.00	4,530.83	272.04	86.94	-33.12	519.81	4,246.96	5,786.55	5,664.71	121.83	47.495		
16,400.00	6,918.75	4,900.00	4,530.83	274.87	86.94	-33.12	519.81	4,246.96	5,874.49	5,752.57	121.93	48.181		
16,500.00	6,919.02	4,902.93	4,533.48	277.71	87.00	-33.16	520.63	4,246.02	5,962.82	5,840.76	122.05	48.854		
16,600.00	6,919.28	4,869.26	4,502.98	280.55	86.31	-32.66	511.33	4,256.87	6,051.43	5,929.77	121.66	49.740		
16,700.00	6,919.54	4,835.04	4,471.97	283.38	85.61	-32.16	502.10	4,267.98	6,140.22	6,018.95	121.27	50.632		
16,800.00	6,919.80	4,800.28	4,440.42	286.22	84.90	-31.66	492.95	4,279.35	6,229.17	6,108.29	120.88	51.533		
16,900.00	6,920.06	4,800.00	4,440.17	289.06	84.90	-31.66	492.88	4,279.44	6,318.36	6,197.41	120.95	52.240		
17,000.00	6,920.33	4,766.23	4,409.49	291.90	84.23	-31.18	484.03	4,290.44	6,407.69	6,287.11	120.58	53.141		
17,100.00	6,920.59	4,749.73	4,394.48	294.73	83.90	-30.95	479.67	4,295.74	6,497.30	6,376.87	120.43	53.950		
17,200.00	6,920.85	4,733.53	4,379.74	297.57	83.58	-30.73	475.36	4,300.90	6,587.13	6,466.84	120.29	54.762		
17,300.00	6,921.11	4,700.00	4,349.21	300.41	82.92	-30.27	466.35	4,311.43	6,677.22	6,557.30	119.91	55.684		
17,400.00	6,921.37	4,705.47	4,354.20	303.25	83.02	-30.34	467.83	4,309.72	6,767.42	6,647.37	120.05	56.372		
17,500.00	6,921.64	4,662.37	4,314.95	306.09	82.19	-29.76	456.12	4,323.14	6,857.82	6,738.29	119.54	57.371		
17,600.00	6,921.90	4,160.04	3,866.07	308.93	70.74	-23.57	308.05	4,492.14	6,947.77	6,835.43	112.34	61.844		
17,638.91	6,922.00	4,155.94	3,862.44	310.03	70.63	-23.52	306.89	4,493.68	6,982.14	6,869.82	112.32	62.165		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.78	-567.30	5,600.49	5,629.37					
100.00	100.00	1,416.03	1,399.10	3.28	9.53	95.44	-516.99	5,428.93	5,617.88	5,607.26	10.62	529.165		
200.00	200.00	1,942.85	1,905.77	3.34	15.08	95.59	-517.50	5,285.51	5,593.49	5,580.47	13.02	429.545		
300.00	299.98	2,247.90	2,192.89	3.44	19.78	-101.93	-523.18	5,182.75	5,559.95	5,545.36	14.58	381.253		
400.00	399.84	2,300.00	2,241.76	3.59	20.66	-102.64	-522.76	5,164.71	5,526.39	5,511.48	14.91	370.644		
500.00	499.45	2,345.07	2,284.18	3.79	21.35	-103.34	-521.90	5,149.51	5,494.34	5,479.10	15.24	360.431		
600.00	598.70	2,955.88	2,850.26	4.04	33.33	-104.90	-503.82	4,922.74	5,462.45	5,444.01	18.44	296.253		
660.50	658.52	3,000.00	2,890.37	4.20	34.45	-105.46	-502.73	4,904.40	5,439.13	5,420.36	18.77	289.747		
700.00	697.51	700.00	2,939.54	4.31	23.76	-105.57	-500.82	4,881.55	5,423.77	5,414.44	9.33	581.232		
800.00	796.22	3,144.09	3,020.85	4.63	38.06	-105.74	-497.45	4,843.49	5,384.72	5,364.91	19.81	271.828		
900.00	894.93	3,200.00	3,071.71	4.98	39.46	-105.85	-495.43	4,820.37	5,346.57	5,326.21	20.36	262.642		
1,000.00	993.64	3,200.00	3,071.71	5.34	39.46	-105.85	-495.43	4,820.37	5,309.28	5,288.61	20.66	256.951		
1,100.00	1,092.35	3,249.66	3,117.21	5.73	40.54	-105.95	-493.63	4,800.55	5,272.99	5,251.75	21.24	248.293		
1,200.00	1,191.06	3,300.00	3,163.64	6.13	41.64	-106.05	-491.58	4,781.21	5,237.88	5,216.04	21.84	239.847		
1,300.00	1,289.78	3,328.76	3,190.28	6.54	42.20	-106.11	-490.54	4,770.42	5,203.67	5,181.31	22.36	232.743		
1,400.00	1,388.49	3,381.70	3,239.43	6.95	43.23	-106.21	-489.71	4,750.78	5,170.31	5,147.30	23.01	224.713		
1,500.00	1,487.20	3,400.00	3,256.45	7.38	43.58	-106.24	-489.74	4,744.06	5,137.93	5,114.42	23.51	218.503		
1,600.00	1,585.91	3,443.26	3,296.87	7.81	44.30	-106.30	-490.08	4,728.65	5,106.58	5,082.44	24.15	211.491		
1,700.00	1,684.62	3,500.00	3,350.37	8.25	45.24	-106.39	-490.76	4,709.78	5,076.95	5,052.11	24.85	204.316		
1,800.00	1,783.33	3,500.00	3,350.37	8.70	45.24	-106.39	-490.76	4,709.78	5,047.99	5,022.68	25.30	199.488		
1,900.00	1,882.04	3,500.00	3,350.37	9.15	45.24	-106.39	-490.76	4,709.78	5,020.84	4,995.08	25.77	194.848		
2,000.00	1,980.75	3,539.86	3,388.33	9.60	45.71	-106.46	-490.91	4,697.60	4,994.85	4,968.44	26.41	189.120		
2,100.00	2,079.46	3,561.39	3,408.97	10.05	45.96	-106.50	-490.64	4,691.48	4,970.47	4,943.49	26.98	184.230		
2,200.00	2,178.17	3,600.00	3,446.19	10.51	46.42	-106.58	-489.53	4,681.30	4,947.70	4,920.07	27.63	179.083		
2,300.00	2,276.88	4,200.00	4,015.19	10.97	54.98	-107.84	-473.53	4,494.32	4,921.79	4,891.09	30.70	160.293		
2,400.00	2,375.59	4,252.76	4,064.28	11.43	55.93	-107.94	-473.07	4,475.01	4,889.72	4,858.27	31.45	155.479		
2,500.00	2,474.31	4,300.00	4,108.60	11.89	56.77	-108.03	-472.62	4,458.67	4,859.17	4,826.99	32.18	151.014		
2,600.00	2,573.02	4,407.99	4,210.04	12.36	58.57	-108.25	-471.99	4,421.65	4,829.32	4,796.17	33.15	145.665		
2,700.00	2,671.73	4,714.24	4,494.65	12.82	64.42	-108.82	-473.21	4,308.62	4,797.07	4,762.16	34.91	137.416		
2,800.00	2,770.44	4,817.09	4,589.26	13.29	66.66	-109.02	-473.12	4,268.29	4,762.28	4,726.40	35.88	132.744		
2,900.00	2,869.15	4,871.94	4,639.80	13.76	67.83	-109.14	-472.75	4,246.97	4,727.87	4,691.21	36.66	128.951		
3,000.00	2,967.86	4,949.74	4,711.69	14.23	69.45	-109.30	-471.91	4,217.24	4,694.15	4,656.60	37.55	125.023		
3,100.00	3,066.57	5,090.22	4,841.30	14.70	72.40	-109.61	-470.71	4,163.09	4,660.23	4,621.56	38.67	120.523		
3,200.00	3,165.28	5,251.96	4,989.42	15.17	76.09	-109.95	-470.25	4,098.13	4,624.43	4,584.57	39.86	116.007		
3,300.00	3,263.99	5,300.00	5,033.36	15.64	77.21	-110.06	-470.24	4,078.71	4,588.83	4,548.18	40.66	112.870		
3,400.00	3,362.70	5,300.00	5,033.36	16.11	77.21	-110.06	-470.24	4,078.71	4,554.84	4,513.56	41.28	110.344		
3,500.00	3,461.41	5,351.68	5,081.02	16.59	78.22	-110.16	-470.45	4,058.75	4,521.56	4,479.48	42.08	107.444		
3,600.00	3,560.12	5,400.00	5,126.23	17.06	79.16	-110.26	-470.87	4,041.68	4,490.53	4,447.65	42.88	104.725		
3,700.00	3,658.84	5,400.00	5,126.23	17.53	79.16	-110.26	-470.87	4,041.68	4,460.42	4,416.91	43.50	102.533		
3,800.00	3,757.55	5,429.21	5,153.78	18.01	79.58	-110.32	-471.18	4,031.99	4,432.09	4,387.87	44.22	100.220		
3,900.00	3,856.26	5,463.79	5,186.54	18.48	80.08	-110.39	-471.53	4,020.94	4,405.12	4,360.16	44.96	97.970		
4,000.00	3,954.97	5,500.00	5,221.01	18.96	80.60	-110.47	-471.89	4,009.84	4,379.52	4,333.81	45.71	95.810		
4,100.00	4,053.68	5,551.71	5,270.41	19.44	81.22	-110.58	-472.38	3,994.58	4,355.10	4,308.59	46.51	93.637		
4,200.00	4,152.39	5,615.69	5,331.72	19.91	81.99	-110.71	-472.99	3,976.30	4,331.64	4,284.28	47.36	91.467		
4,300.00	4,251.10	5,746.26	5,456.74	20.39	83.53	-110.97	-475.55	3,938.70	4,308.00	4,259.56	48.44	88.928		
4,400.00	4,349.81	5,828.37	5,535.27	20.87	84.51	-111.13	-477.04	3,914.79	4,284.14	4,234.79	49.36	86.797		
4,500.00	4,448.52	5,884.84	5,589.42	21.34	85.16	-111.25	-477.98	3,898.78	4,261.08	4,210.90	50.18	84.908		
4,600.00	4,547.23	5,931.28	5,634.07	21.82	85.65	-111.34	-478.73	3,886.05	4,239.05	4,188.08	50.97	83.163		
4,700.00	4,645.94	5,974.18	5,675.47	22.30	86.08	-111.43	-479.33	3,874.83	4,218.29	4,166.54	51.75	81.518		
4,800.00	4,744.65	6,000.00	5,700.46	22.78	86.34	-111.49	-479.64	3,868.32	4,198.89	4,146.44	52.45	80.052		
4,900.00	4,843.37	6,047.91	5,746.99	23.26	86.71	-111.59	-480.12	3,856.92	4,180.84	4,127.61	53.23	78.537		
5,000.00	4,942.08	6,100.00	5,797.83	23.74	87.11	-111.71	-480.48	3,845.62	4,164.48	4,110.45	54.03	77.075		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	6,100.00	5,797.83	24.21	87.11	-111.71	-480.48	3,845.62	4,149.54	4,094.93	54.61	75.989		
5,200.00	5,139.50	6,137.19	5,834.33	24.69	87.30	-111.79	-480.68	3,838.44	4,136.31	4,080.99	55.32	74.770		
5,300.00	5,238.21	6,162.34	5,859.10	25.17	87.43	-111.84	-480.82	3,834.13	4,124.93	4,068.96	55.97	73.695		
5,400.00	5,336.92	6,200.00	5,896.34	25.65	87.62	-111.92	-481.04	3,828.50	4,115.43	4,058.76	56.67	72.619		
5,500.00	5,435.63	6,200.00	5,896.34	26.13	87.62	-111.92	-481.04	3,828.50	4,107.67	4,050.49	57.18	71.838		
5,600.00	5,534.34	6,249.51	5,945.46	26.61	87.76	-112.03	-481.26	3,822.34	4,101.43	4,043.53	57.90	70.836		
5,700.00	5,633.05	6,300.00	5,995.69	27.09	87.90	-112.14	-481.35	3,817.28	4,097.05	4,038.43	58.62	69.890		
5,800.00	5,731.76	6,300.00	5,995.69	27.57	87.90	-112.14	-481.35	3,817.28	4,094.17	4,035.09	59.08	69.303		
5,900.00	5,830.47	6,366.97	6,062.46	28.05	88.04	-112.28	-481.35	3,812.01	4,092.55	4,032.69	59.86	68.374		
5,966.62	5,896.24	6,400.00	6,095.42	28.37	88.10	-112.36	-481.33	3,809.88	4,092.29	4,031.98	60.31	67.852		
6,000.00	5,929.18	6,400.00	6,095.42	28.53	88.10	-112.36	-481.33	3,809.88	4,092.43	4,031.98	60.45	67.698		
6,100.00	6,027.90	6,462.42	6,157.75	29.01	88.20	-112.49	-481.20	3,806.62	4,093.50	4,032.31	61.19	66.898		
6,200.00	6,126.61	6,516.99	6,212.28	29.49	88.28	-112.61	-480.97	3,804.54	4,095.87	4,033.99	61.88	66.188		
6,300.00	6,225.32	6,590.85	6,286.10	29.97	88.39	-112.78	-480.30	3,802.24	4,099.07	4,036.40	62.68	65.402		
6,311.21	6,236.38	6,600.00	6,295.25	30.03	88.40	-112.80	-480.18	3,801.98	4,099.47	4,036.71	62.77	65.310		
6,350.00	6,274.70	6,622.79	6,318.03	30.21	88.43	-90.85	-479.89	3,801.39	4,099.77	4,036.73	63.04	65.032		
6,400.00	6,324.03	6,653.02	6,348.24	30.43	88.47	-65.31	-479.49	3,800.73	4,096.91	4,033.52	63.39	64.629		
6,450.00	6,373.00	6,683.00	6,378.22	30.65	88.51	-48.57	-479.09	3,800.21	4,090.40	4,026.67	63.73	64.185		
6,500.00	6,421.31	6,715.25	6,410.47	30.84	88.56	-38.55	-478.66	3,799.80	4,080.28	4,016.22	64.07	63.688		
6,550.00	6,468.66	6,750.40	6,445.61	31.03	88.60	-32.37	-478.23	3,799.46	4,066.55	4,002.14	64.41	63.134		
6,600.00	6,514.76	6,784.69	6,479.90	31.20	88.65	-28.39	-477.84	3,799.24	4,049.27	3,984.53	64.74	62.544		
6,650.00	6,559.32	6,824.41	6,519.62	31.37	88.70	-25.76	-477.46	3,799.08	4,028.52	3,963.42	65.10	61.883		
6,700.00	6,602.08	6,867.94	6,563.14	31.52	88.76	-24.04	-477.24	3,798.94	4,004.32	3,938.85	65.47	61.164		
6,750.00	6,642.77	6,915.74	6,610.95	31.65	88.82	-22.99	-477.25	3,798.79	3,976.80	3,910.94	65.86	60.386		
6,800.00	6,681.13	6,980.68	6,675.88	31.78	88.91	-22.54	-477.32	3,798.28	3,945.96	3,879.62	66.34	59.484		
6,850.00	6,716.93	7,023.78	6,718.98	31.89	88.97	-22.46	-477.37	3,797.72	3,912.01	3,845.32	66.69	58.660		
6,900.00	6,749.95	7,056.05	6,751.24	31.99	89.02	-22.76	-477.39	3,797.30	3,875.35	3,808.37	66.98	57.860		
6,950.00	6,779.98	7,085.32	6,780.51	32.08	89.06	-23.52	-477.40	3,796.91	3,836.20	3,768.95	67.25	57.046		
7,000.00	6,806.85	7,109.57	6,804.76	32.16	89.09	-24.79	-477.41	3,796.59	3,794.82	3,727.34	67.49	56.232		
7,050.00	6,830.38	7,128.71	6,823.90	32.24	89.12	-26.72	-477.43	3,796.36	3,751.47	3,683.78	67.69	55.418		
7,100.00	6,850.43	7,145.02	6,840.21	32.35	89.14	-29.62	-477.46	3,796.18	3,706.42	3,638.54	67.89	54.598		
7,150.00	6,866.88	7,158.38	6,853.57	32.59	89.16	-33.99	-477.50	3,796.04	3,659.93	3,591.87	68.06	53.775		
7,200.00	6,879.62	7,168.69	6,863.88	32.99	89.18	-40.84	-477.54	3,795.95	3,612.28	3,544.06	68.22	52.951		
7,250.00	6,888.58	7,175.86	6,871.05	33.48	89.19	-52.10	-477.56	3,795.88	3,563.75	3,495.39	68.36	52.130		
7,300.00	6,893.70	7,179.82	6,875.01	34.02	89.19	-71.01	-477.58	3,795.85	3,514.64	3,446.15	68.49	51.315		
7,339.40	6,895.01	7,180.65	6,875.83	34.48	89.19	-92.41	-477.58	3,795.84	3,475.72	3,407.14	68.58	50.679		
7,400.00	6,895.16	7,180.36	6,875.54	35.24	89.19	-92.37	-477.58	3,795.85	3,415.82	3,347.10	68.72	49.705		
7,500.00	6,895.43	7,179.87	6,875.05	36.64	89.19	-92.32	-477.58	3,795.85	3,317.02	3,248.05	68.97	48.095		
7,600.00	6,895.69	7,179.38	6,874.56	38.20	89.19	-92.27	-477.58	3,795.85	3,218.29	3,149.05	69.24	46.479		
7,700.00	6,895.95	7,178.88	6,874.07	39.91	89.19	-92.21	-477.58	3,795.86	3,119.65	3,050.10	69.55	44.856		
7,800.00	6,896.21	7,178.38	6,873.56	41.75	89.19	-92.16	-477.57	3,795.86	3,021.09	2,951.20	69.89	43.227		
7,900.00	6,896.47	7,177.87	6,873.05	43.69	89.19	-92.10	-477.57	3,795.87	2,922.63	2,852.36	70.27	41.591		
8,000.00	6,896.74	7,177.35	6,872.54	45.73	89.19	-92.04	-477.57	3,795.87	2,824.28	2,753.58	70.70	39.948		
8,100.00	6,897.00	7,176.84	6,872.02	47.85	89.19	-91.99	-477.57	3,795.88	2,726.05	2,654.87	71.18	38.299		
8,200.00	6,897.26	7,176.31	6,871.50	50.04	89.19	-91.93	-477.57	3,795.88	2,627.95	2,556.24	71.72	36.644		
8,300.00	6,897.52	7,175.78	6,870.97	52.30	89.19	-91.87	-477.56	3,795.88	2,530.00	2,457.68	72.32	34.982		
8,400.00	6,897.78	7,175.24	6,870.43	54.61	89.18	-91.81	-477.56	3,795.89	2,432.22	2,359.21	73.01	33.314		
8,500.00	6,898.05	7,174.70	6,869.89	56.98	89.18	-91.75	-477.56	3,795.89	2,334.63	2,260.84	73.79	31.640		
8,600.00	6,898.31	7,174.15	6,869.34	59.38	89.18	-91.69	-477.56	3,795.90	2,237.25	2,162.58	74.67	29.961		
8,700.00	6,898.57	7,173.60	6,868.79	61.82	89.18	-91.63	-477.55	3,795.90	2,140.11	2,064.43	75.68	28.279		
8,800.00	6,898.83	7,173.04	6,868.23	64.30	89.18	-91.57	-477.55	3,795.91	2,043.24	1,966.41	76.83	26.594		
8,900.00	6,899.10	7,172.47	6,867.66	66.81	89.18	-91.51	-477.55	3,795.91	1,946.70	1,868.54	78.15	24.909		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	7,171.90	6,867.09	69.34	89.18	-91.44	-477.55	3,795.92	1,850.52	1,770.84	79.68	23.225		
9,100.00	6,899.62	7,171.32	6,866.51	71.90	89.18	-91.38	-477.55	3,795.92	1,754.76	1,673.32	81.44	21.547		
9,200.00	6,899.88	7,170.73	6,865.92	74.48	89.18	-91.31	-477.54	3,795.93	1,659.51	1,576.03	83.49	19.878		
9,300.00	6,900.14	7,170.14	6,865.33	77.08	89.18	-91.25	-477.54	3,795.93	1,564.85	1,478.98	85.87	18.224		
9,400.00	6,900.41	7,169.54	6,864.73	79.70	89.18	-91.18	-477.54	3,795.94	1,470.90	1,382.24	88.66	16.590		
9,500.00	6,900.67	7,168.94	6,864.12	82.33	89.18	-91.12	-477.54	3,795.94	1,377.79	1,285.85	91.94	14.986		
9,600.00	6,900.93	7,168.32	6,863.51	84.97	89.17	-91.05	-477.53	3,795.95	1,285.73	1,189.92	95.81	13.420		
9,700.00	6,901.19	7,167.70	6,862.89	87.63	89.17	-90.98	-477.53	3,795.96	1,194.93	1,094.55	100.39	11.903		
9,800.00	6,901.45	7,167.07	6,862.26	90.31	89.17	-90.91	-477.53	3,795.96	1,105.73	999.91	105.83	10.448		
9,900.00	6,901.72	7,166.44	6,861.62	92.99	89.17	-90.84	-477.53	3,795.97	1,018.54	906.24	112.30	9.070		
10,000.00	6,901.98	7,165.79	6,860.98	95.68	89.17	-90.77	-477.52	3,795.97	933.91	813.91	120.01	7.782		
10,100.00	6,902.24	7,165.14	6,860.33	98.38	89.17	-90.70	-477.52	3,795.98	852.62	723.48	129.14	6.602		
10,200.00	6,902.50	7,164.48	6,859.67	101.09	89.17	-90.62	-477.52	3,795.99	775.72	635.84	139.88	5.546		
10,300.00	6,902.76	7,163.81	6,859.00	103.81	89.17	-90.55	-477.52	3,795.99	704.64	552.38	152.25	4.628		
10,400.00	6,903.03	7,163.14	6,858.33	106.53	89.17	-90.48	-477.52	3,796.00	641.32	475.33	165.99	3.864		
10,500.00	6,903.29	7,162.46	6,857.64	109.26	89.17	-90.40	-477.51	3,796.00	588.26	408.04	180.22	3.264		
10,600.00	6,903.55	7,161.76	6,856.95	112.00	89.17	-90.32	-477.51	3,796.01	548.47	355.22	193.26	2.838		
10,700.00	6,903.81	7,161.06	6,856.25	114.75	89.16	-90.25	-477.51	3,796.02	524.97	322.31	202.66	2.590		
10,776.16	6,904.01	7,160.52	6,855.71	116.84	89.16	-90.19	-477.51	3,796.02	519.42	313.48	205.94	2.522 CC, ES		
10,800.00	6,904.08	7,160.35	6,855.54	117.49	89.16	-90.17	-477.51	3,796.02	519.96	313.80	206.16	2.522 SF		
10,900.00	6,904.34	7,159.63	6,854.82	120.25	89.16	-90.09	-477.50	3,796.03	533.97	330.94	203.03	2.630		
11,000.00	6,904.60	7,158.91	6,854.09	123.00	89.16	-90.01	-477.50	3,796.04	565.59	371.05	194.54	2.907		
11,100.00	6,904.86	7,158.17	6,853.36	125.77	89.16	-89.93	-477.50	3,796.05	612.09	429.05	183.04	3.344		
11,200.00	6,905.12	7,157.42	6,852.61	128.53	89.16	-89.85	-477.50	3,796.05	670.39	499.71	170.68	3.928		
11,300.00	6,905.39	7,156.66	6,851.85	131.30	89.16	-89.76	-477.49	3,796.06	737.69	578.87	158.82	4.645		
11,400.00	6,905.65	7,155.90	6,851.09	134.08	89.16	-89.68	-477.49	3,796.07	811.75	663.64	148.12	5.480		
11,500.00	6,905.91	7,155.12	6,850.31	136.85	89.16	-89.59	-477.49	3,796.08	890.90	752.14	138.76	6.420		
11,600.00	6,906.17	7,154.34	6,849.52	139.63	89.15	-89.50	-477.49	3,796.08	973.89	843.18	130.72	7.450		
11,700.00	6,906.43	7,153.54	6,848.73	142.42	89.15	-89.42	-477.49	3,796.09	1,059.82	935.98	123.84	8.558		
11,800.00	6,906.70	7,152.73	6,847.92	145.20	89.15	-89.33	-477.48	3,796.10	1,148.03	1,030.05	117.98	9.731		
11,900.00	6,906.96	7,151.91	6,847.10	147.99	89.15	-89.24	-477.48	3,796.11	1,238.04	1,125.06	112.98	10.958		
12,000.00	6,907.22	7,151.08	6,846.27	150.78	89.15	-89.15	-477.48	3,796.12	1,329.47	1,220.78	108.69	12.232		
12,100.00	6,907.48	7,150.24	6,845.43	153.57	89.15	-89.05	-477.48	3,796.12	1,422.05	1,317.06	105.00	13.544		
12,200.00	6,907.74	7,149.39	6,844.57	156.37	89.15	-88.96	-477.47	3,796.13	1,515.58	1,413.77	101.81	14.887		
12,300.00	6,908.01	7,148.52	6,843.71	159.17	89.15	-88.86	-477.47	3,796.14	1,609.89	1,510.85	99.04	16.255		
12,400.00	6,908.27	7,147.64	6,842.83	161.97	89.15	-88.77	-477.47	3,796.15	1,704.84	1,608.22	96.63	17.644		
12,500.00	6,908.53	7,146.75	6,841.94	164.77	89.14	-88.67	-477.47	3,796.16	1,800.34	1,705.83	94.51	19.049		
12,600.00	6,908.79	7,145.85	6,841.04	167.57	89.14	-88.57	-477.46	3,796.17	1,896.31	1,803.66	92.65	20.468		
12,700.00	6,909.06	7,144.94	6,840.13	170.38	89.14	-88.47	-477.46	3,796.18	1,992.67	1,901.67	91.00	21.897		
12,800.00	6,909.32	7,144.01	6,839.20	173.18	89.14	-88.37	-477.46	3,796.19	2,089.37	1,999.83	89.54	23.334		
12,900.00	6,909.58	7,143.07	6,838.26	175.99	89.14	-88.26	-477.46	3,796.20	2,186.37	2,098.13	88.24	24.777		
13,000.00	6,909.84	7,142.11	6,837.30	178.80	89.14	-88.16	-477.46	3,796.21	2,283.63	2,196.55	87.08	26.224		
13,100.00	6,910.10	7,141.14	6,836.33	181.61	89.14	-88.05	-477.45	3,796.22	2,381.11	2,295.07	86.04	27.674		
13,200.00	6,910.37	7,140.16	6,835.35	184.42	89.13	-87.94	-477.45	3,796.23	2,478.80	2,393.69	85.10	29.126		
13,300.00	6,910.63	7,139.16	6,834.35	187.24	89.13	-87.83	-477.45	3,796.24	2,576.66	2,492.40	84.26	30.580		
13,400.00	6,910.89	7,138.15	6,833.34	190.05	89.13	-87.72	-477.45	3,796.25	2,674.68	2,591.18	83.50	32.033		
13,500.00	6,911.15	7,137.12	6,832.31	192.87	89.13	-87.61	-477.44	3,796.26	2,772.84	2,690.03	82.81	33.485		
13,600.00	6,911.41	7,136.07	6,831.26	195.68	89.13	-87.49	-477.44	3,796.27	2,871.13	2,788.94	82.18	34.937		
13,700.00	6,911.68	7,135.01	6,830.20	198.50	89.13	-87.38	-477.44	3,796.29	2,969.53	2,887.92	81.61	36.386		
13,800.00	6,911.94	7,133.94	6,829.12	201.32	89.13	-87.26	-477.44	3,796.30	3,068.03	2,986.94	81.09	37.834		
13,900.00	6,912.20	7,132.84	6,828.03	204.14	89.12	-87.14	-477.44	3,796.31	3,166.63	3,086.01	80.62	39.280		
14,000.00	6,912.46	7,131.73	6,826.92	206.96	89.12	-87.01	-477.43	3,796.32	3,265.31	3,185.13	80.18	40.723		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	7,130.60	6,825.79	209.78	89.12	-86.89	-477.43	3,796.34	3,364.07	3,284.28	79.79	42.162		
14,200.00	6,912.99	7,129.45	6,824.64	212.61	89.12	-86.76	-477.43	3,796.35	3,462.90	3,383.48	79.43	43.599		
14,300.00	6,913.25	7,128.29	6,823.48	215.43	89.12	-86.64	-477.43	3,796.36	3,561.80	3,482.71	79.09	45.033		
14,400.00	6,913.51	7,127.10	6,822.29	218.26	89.12	-86.51	-477.43	3,796.38	3,660.76	3,581.97	78.79	46.463		
14,500.00	6,913.77	7,125.90	6,821.09	221.08	89.11	-86.37	-477.42	3,796.39	3,759.77	3,681.26	78.51	47.890		
14,600.00	6,914.04	7,124.68	6,819.87	223.91	89.11	-86.24	-477.42	3,796.40	3,858.83	3,780.58	78.25	49.313		
14,700.00	6,914.30	7,123.43	6,818.62	226.73	89.11	-86.10	-477.42	3,796.42	3,957.94	3,879.92	78.02	50.732		
14,800.00	6,914.56	7,122.17	6,817.36	229.56	89.11	-85.96	-477.42	3,796.43	4,057.09	3,979.29	77.80	52.148		
14,900.00	6,914.82	7,120.88	6,816.07	232.39	89.11	-85.82	-477.42	3,796.45	4,156.28	4,078.68	77.60	53.560		
15,000.00	6,915.08	7,119.57	6,814.76	235.22	89.11	-85.68	-477.42	3,796.47	4,255.51	4,178.09	77.42	54.968		
15,100.00	6,915.35	7,118.24	6,813.43	238.05	89.10	-85.53	-477.42	3,796.48	4,354.78	4,277.53	77.25	56.371		
15,200.00	6,915.61	7,116.88	6,812.07	240.88	89.10	-85.38	-477.41	3,796.50	4,454.07	4,376.98	77.10	57.771		
15,300.00	6,915.87	7,115.51	6,810.70	243.71	89.10	-85.23	-477.41	3,796.51	4,553.40	4,476.44	76.96	59.167		
15,400.00	6,916.13	7,114.10	6,809.29	246.54	89.10	-85.08	-477.41	3,796.53	4,652.76	4,575.93	76.83	60.559		
15,500.00	6,916.39	7,112.67	6,807.87	249.37	89.10	-84.92	-477.41	3,796.55	4,752.14	4,675.43	76.71	61.947		
15,600.00	6,916.66	7,111.22	6,806.41	252.20	89.09	-84.76	-477.41	3,796.57	4,851.55	4,774.94	76.61	63.330		
15,700.00	6,916.92	7,109.74	6,804.93	255.03	89.09	-84.60	-477.41	3,796.59	4,950.98	4,874.47	76.51	64.709		
15,800.00	6,917.18	7,108.23	6,803.42	257.87	89.09	-84.44	-477.41	3,796.61	5,050.44	4,974.01	76.42	66.085		
15,900.00	6,917.44	7,106.70	6,801.89	260.70	89.09	-84.27	-477.41	3,796.63	5,149.91	5,073.57	76.35	67.456		
16,000.00	6,917.70	7,105.13	6,800.33	263.53	89.09	-84.10	-477.41	3,796.65	5,249.40	5,173.13	76.27	68.823		
16,100.00	6,917.97	7,103.54	6,798.73	266.37	89.08	-83.93	-477.41	3,796.67	5,348.92	5,272.71	76.21	70.185		
16,200.00	6,918.23	7,101.92	6,797.11	269.20	89.08	-83.75	-477.41	3,796.69	5,448.45	5,372.29	76.16	71.544		
16,300.00	6,918.49	7,100.26	6,795.45	272.04	89.08	-83.57	-477.40	3,796.71	5,548.00	5,471.89	76.11	72.898		
16,400.00	6,918.75	7,099.10	6,794.30	274.87	89.08	-83.44	-477.40	3,796.72	5,647.56	5,571.49	76.06	74.247		
16,500.00	6,919.02	7,098.04	6,793.23	277.71	89.08	-83.33	-477.40	3,796.74	5,747.14	5,671.11	76.03	75.591		
16,600.00	6,919.28	4,800.00	4,573.55	280.55	66.30	-12.91	-473.19	4,275.02	5,840.47	5,762.07	78.40	74.498		
16,700.00	6,919.54	4,771.26	4,547.13	283.38	65.67	-12.77	-473.26	4,286.34	5,932.12	5,853.72	78.41	75.658		
16,800.00	6,919.80	4,744.53	4,522.54	286.22	65.10	-12.64	-473.26	4,296.81	6,023.87	5,945.45	78.42	76.819		
16,900.00	6,920.06	4,718.04	4,498.15	289.06	64.52	-12.51	-473.21	4,307.15	6,115.70	6,037.27	78.43	77.977		
17,000.00	6,920.33	4,700.00	4,481.53	291.90	64.13	-12.43	-473.15	4,314.17	6,207.63	6,129.20	78.42	79.155		
17,100.00	6,920.59	4,676.31	4,459.69	294.73	63.65	-12.32	-473.04	4,323.32	6,299.67	6,221.23	78.44	80.314		
17,200.00	6,920.85	4,658.61	4,443.33	297.57	63.29	-12.24	-472.95	4,330.10	6,391.85	6,313.41	78.44	81.490		
17,300.00	6,921.11	4,641.18	4,427.21	300.41	62.94	-12.16	-472.86	4,336.72	6,484.15	6,405.71	78.44	82.665		
17,400.00	6,921.37	4,624.01	4,411.31	303.25	62.59	-12.09	-472.77	4,343.19	6,576.59	6,498.14	78.44	83.839		
17,500.00	6,921.64	4,600.00	4,389.03	306.09	62.10	-11.98	-472.64	4,352.16	6,669.15	6,590.68	78.47	84.989		
17,600.00	6,921.90	4,600.00	4,389.03	308.93	62.10	-11.98	-472.64	4,352.16	6,761.84	6,683.41	78.43	86.217		
17,638.91	6,922.00	4,578.25	4,368.84	310.03	61.69	-11.89	-472.52	4,360.22	6,797.89	6,719.41	78.48	86.620		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.46	-535.97	5,612.45	5,638.21					
100.00	100.00	39.57	39.57	3.28	3.28	95.45	-535.86	5,612.50	5,638.03	5,631.46	6.57	858.682		
200.00	200.00	467.72	466.83	3.34	3.93	95.24	-514.49	5,605.05	5,637.52	5,630.27	7.25	777.486		
300.00	299.98	695.43	692.03	3.44	4.91	-102.17	-483.77	5,591.78	5,630.42	5,622.15	8.27	680.932		
400.00	399.84	1,233.83	1,213.73	3.59	8.73	-103.83	-364.43	5,540.90	5,621.25	5,609.31	11.94	470.815		
500.00	499.45	1,358.98	1,331.54	3.79	9.97	-104.59	-325.46	5,524.64	5,607.73	5,594.48	13.26	423.049		
600.00	598.70	1,468.60	1,434.76	4.04	11.05	-105.30	-291.62	5,509.86	5,594.96	5,580.49	14.47	386.707		
660.50	658.52	1,522.00	1,485.10	4.20	11.55	-105.68	-275.40	5,502.54	5,587.71	5,572.62	15.09	370.180		
700.00	697.51	1,550.29	1,511.82	4.31	11.81	-105.81	-266.93	5,498.68	5,583.20	5,567.76	15.45	361.401		
800.00	796.22	1,626.48	1,583.92	4.63	12.51	-106.15	-244.59	5,488.40	5,572.21	5,555.81	16.40	339.722		
900.00	894.93	1,700.00	1,653.67	4.98	13.15	-106.48	-223.52	5,478.53	5,561.67	5,544.33	17.35	320.638		
1,000.00	993.64	1,766.29	1,716.71	5.34	13.70	-106.77	-204.96	5,469.84	5,551.79	5,533.56	18.23	304.551		
1,100.00	1,092.35	1,825.59	1,773.27	5.73	14.17	-107.02	-188.73	5,462.41	5,542.76	5,523.69	19.07	290.635		
1,200.00	1,191.06	1,886.50	1,831.47	6.13	14.64	-107.28	-172.34	5,455.08	5,534.53	5,514.60	19.93	277.733		
1,300.00	1,289.78	1,989.97	1,930.54	6.54	15.41	-107.72	-145.11	5,442.86	5,526.82	5,505.74	21.08	262.188		
1,400.00	1,388.49	2,095.94	2,032.10	6.95	16.19	-108.17	-117.73	5,429.98	5,519.09	5,496.84	22.25	248.054		
1,500.00	1,487.20	2,200.00	2,138.50	7.38	17.00	-108.64	-88.76	5,415.94	5,511.20	5,492.64	23.56	236.952		
1,600.00	1,585.91	2,265.25	2,194.16	7.81	17.45	-108.89	-73.61	5,408.67	5,503.80	5,479.46	24.34	226.111		
1,700.00	1,684.62	2,321.86	2,248.47	8.25	17.86	-109.12	-59.06	5,402.06	5,497.39	5,472.19	25.20	218.177		
1,800.00	1,783.33	2,391.12	2,314.92	8.70	18.34	-109.42	-41.13	5,394.29	5,491.71	5,465.58	26.14	210.124		
1,900.00	1,882.04	2,532.32	2,449.97	9.15	19.38	-110.03	-3.25	5,378.11	5,486.15	5,458.54	27.60	198.765		
2,000.00	1,980.75	2,655.36	2,567.25	9.60	20.34	-110.58	30.76	5,363.02	5,480.13	5,451.14	29.00	189.001		
2,100.00	2,079.46	2,760.00	2,688.26	10.05	21.46	-111.17	68.97	5,346.31	5,473.74	5,448.92	24.83	220.466		
2,200.00	2,178.17	2,861.87	2,762.24	10.51	22.12	-111.55	93.04	5,335.77	5,467.49	5,435.82	31.67	172.638		
2,300.00	2,276.88	2,938.27	2,834.49	10.97	22.77	-111.90	115.88	5,326.00	5,462.10	5,429.31	32.79	166.577		
2,400.00	2,375.59	3,055.35	2,945.56	11.43	23.75	-112.44	149.60	5,310.69	5,456.77	5,422.55	34.22	159.471		
2,500.00	2,474.31	3,128.60	3,014.78	11.89	24.35	-112.79	171.46	5,300.92	5,451.65	5,416.35	35.30	154.437		
2,600.00	2,573.02	3,179.11	3,062.82	12.36	24.75	-113.01	185.69	5,294.56	5,447.45	5,411.25	36.19	150.512		
2,700.00	2,671.73	3,247.46	3,128.26	12.82	25.26	-113.31	203.72	5,286.49	5,444.15	5,406.97	37.18	146.423		
2,800.00	2,770.44	3,355.31	3,231.62	13.29	26.02	-113.78	231.80	5,273.90	5,441.30	5,402.88	38.42	141.621		
2,900.00	2,869.15	3,439.98	3,312.79	13.76	26.61	-114.14	253.63	5,263.65	5,438.35	5,398.86	39.49	137.701		
3,000.00	2,967.86	3,500.00	3,370.58	14.23	27.02	-114.39	268.31	5,256.84	5,436.23	5,395.84	40.39	134.586		
3,100.00	3,066.57	3,631.17	3,497.26	14.70	27.85	-114.92	298.73	5,241.62	5,433.97	5,392.27	41.69	130.332		
3,200.00	3,165.28	3,684.08	3,548.42	15.17	28.18	-115.13	310.82	5,235.64	5,432.31	5,389.79	42.52	127.762		
3,300.00	3,263.99	3,785.91	3,646.74	15.64	28.83	-115.55	334.87	5,224.44	5,431.29	5,387.64	43.65	124.424		
3,400.00	3,362.70	3,983.93	3,835.14	16.11	30.40	-116.45	389.91	5,198.58	5,428.79	5,383.12	45.67	118.868		
3,500.00	3,461.41	4,061.51	3,907.92	16.59	31.11	-116.83	414.42	5,187.63	5,426.53	5,379.65	46.88	115.753		
3,600.00	3,560.12	4,129.73	3,971.83	17.06	31.74	-117.17	436.32	5,178.15	5,424.92	5,376.92	48.00	113.013		
3,700.00	3,658.84	4,192.43	4,030.92	17.53	32.29	-117.47	455.58	5,169.85	5,424.11	5,375.05	49.06	110.564		
3,747.29	3,705.51	4,217.28	4,054.45	17.76	32.50	-117.59	462.93	5,166.70	5,424.03	5,374.53	49.50	109.581		
3,800.00	3,757.55	4,243.16	4,078.99	18.01	32.70	-117.71	470.49	5,163.53	5,424.20	5,374.23	49.96	108.561		
3,900.00	3,856.26	4,300.00	4,133.07	18.48	33.14	-117.97	486.74	5,156.99	5,425.32	5,374.42	50.91	106.575		
4,000.00	3,954.97	4,383.35	4,212.26	18.96	33.78	-118.36	510.99	5,147.64	5,427.16	5,375.11	52.04	104.280		
4,100.00	4,053.68	4,540.90	4,361.28	19.44	35.06	-119.10	558.40	5,128.50	5,428.67	5,374.85	53.82	100.866		
4,200.00	4,152.39	4,630.27	4,445.62	19.91	35.83	-119.53	585.65	5,116.96	5,429.99	5,374.90	55.08	98.579		
4,300.00	4,251.10	4,700.00	4,510.95	20.39	36.45	-119.88	608.27	5,107.91	5,431.96	5,375.75	56.20	96.646		
4,400.00	4,349.81	4,897.85	4,696.82	20.87	38.25	-120.85	670.16	5,080.30	5,432.96	5,374.48	58.48	92.908		
4,500.00	4,448.52	4,953.41	4,749.29	21.34	38.73	-121.11	686.66	5,072.51	5,434.33	5,374.88	59.45	91.408		
4,600.00	4,547.23	5,000.00	4,793.39	21.82	39.12	-121.33	700.35	5,066.30	5,436.64	5,376.30	60.35	90.092		
4,700.00	4,645.94	5,068.40	4,858.23	22.30	39.67	-121.65	720.33	5,057.62	5,439.82	5,378.44	61.39	88.615		
4,800.00	4,744.65	5,144.28	4,930.34	22.78	40.25	-121.99	742.11	5,048.50	5,443.80	5,381.35	62.46	87.162		
4,900.00	4,843.37	5,223.23	5,005.99	23.26	40.79	-122.34	762.86	5,039.54	5,448.18	5,384.69	63.49	85.813		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	5,280.00	5,060.96	23.74	41.13	-122.56	775.83	5,033.93	5,453.32	5,389.02	64.30	84.804		
5,100.00	5,040.79	5,344.81	5,124.31	24.21	41.44	-122.79	788.38	5,028.57	5,459.28	5,394.18	65.09	83.866		
5,200.00	5,139.50	5,416.94	5,195.40	24.69	41.73	-123.02	799.56	5,023.74	5,465.86	5,400.00	65.87	82.983		
5,300.00	5,238.21	5,498.42	5,276.17	25.17	42.00	-123.24	809.36	5,019.37	5,472.91	5,406.29	66.62	82.153		
5,400.00	5,336.92	5,583.94	5,361.21	25.65	42.26	-123.45	817.57	5,015.60	5,480.30	5,412.95	67.35	81.373		
5,500.00	5,435.63	5,664.57	5,441.52	26.13	42.48	-123.64	824.12	5,012.61	5,488.02	5,419.98	68.05	80.650		
5,600.00	5,534.34	5,738.52	5,515.27	26.61	42.68	-123.80	829.06	5,010.46	5,496.17	5,427.46	68.71	79.986		
5,700.00	5,633.05	5,812.85	5,589.46	27.09	42.87	-123.95	833.28	5,008.93	5,504.87	5,435.50	69.37	79.351		
5,800.00	5,731.76	5,930.67	5,707.19	27.57	43.16	-124.16	837.73	5,007.22	5,513.66	5,443.51	70.15	78.595		
5,900.00	5,830.47	6,049.27	5,825.76	28.05	43.46	-124.35	839.58	5,005.74	5,522.02	5,451.09	70.93	77.854		
6,000.00	5,929.18	6,155.80	5,932.27	28.53	43.72	-124.51	840.60	5,004.46	5,530.29	5,458.62	71.67	77.163		
6,100.00	6,027.90	6,269.14	6,045.60	29.01	44.00	-124.68	841.63	5,002.82	5,538.36	5,465.92	72.43	76.460		
6,200.00	6,126.61	6,385.56	6,162.00	29.49	44.30	-124.85	842.63	5,000.82	5,546.18	5,472.97	73.21	75.756		
6,300.00	6,225.32	6,484.64	6,261.05	29.97	44.55	-125.00	843.63	4,998.86	5,553.86	5,479.91	73.94	75.111		
6,311.21	6,236.38	6,495.44	6,271.84	30.03	44.58	-125.02	843.78	4,998.63	5,554.72	5,480.70	74.02	75.040		
6,350.00	6,274.70	6,524.97	6,301.37	30.21	44.66	-103.02	844.24	4,998.02	5,556.62	5,482.34	74.28	74.806		
6,400.00	6,324.03	6,561.52	6,337.90	30.43	44.75	-77.47	844.87	4,997.33	5,555.88	5,481.28	74.60	74.475		
6,450.00	6,373.00	6,600.00	6,376.37	30.65	44.85	-60.79	845.63	4,996.66	5,551.54	5,476.62	74.91	74.106		
6,500.00	6,421.31	6,642.41	6,418.76	30.84	44.96	-50.92	846.56	4,995.95	5,543.59	5,468.36	75.23	73.692		
6,550.00	6,468.66	6,686.69	6,463.02	31.03	45.08	-44.97	847.64	4,995.19	5,532.05	5,456.52	75.53	73.240		
6,600.00	6,514.76	6,728.50	6,504.82	31.20	45.19	-41.29	848.75	4,994.48	5,517.00	5,441.18	75.82	72.764		
6,650.00	6,559.32	6,768.37	6,544.67	31.37	45.30	-39.04	849.80	4,993.82	5,498.55	5,422.45	76.09	72.262		
6,700.00	6,602.08	6,807.24	6,583.52	31.52	45.41	-37.77	850.83	4,993.21	5,476.80	5,400.45	76.35	71.733		
6,750.00	6,642.77	6,847.16	6,623.42	31.65	45.51	-37.27	851.90	4,992.60	5,451.89	5,375.29	76.60	71.172		
6,800.00	6,681.13	6,884.72	6,660.96	31.78	45.62	-37.38	852.91	4,992.02	5,423.96	5,347.12	76.84	70.589		
6,850.00	6,716.93	6,924.89	6,701.11	31.89	45.73	-38.10	854.01	4,991.38	5,393.17	5,316.10	77.08	69.971		
6,900.00	6,749.95	6,965.31	6,741.50	31.99	45.84	-39.42	855.24	4,990.63	5,359.70	5,282.39	77.31	69.325		
6,950.00	6,779.98	7,001.64	6,777.81	32.08	45.94	-41.36	856.45	4,989.86	5,323.76	5,246.23	77.53	68.665		
7,000.00	6,806.85	7,033.06	6,809.20	32.16	46.03	-43.99	857.58	4,989.13	5,285.59	5,207.85	77.74	67.993		
7,050.00	6,830.38	7,060.16	6,836.27	32.24	46.10	-47.44	858.63	4,988.44	5,245.45	5,167.52	77.93	67.311		
7,100.00	6,850.43	7,082.80	6,858.88	32.35	46.17	-51.87	859.56	4,987.82	5,203.58	5,125.48	78.11	66.620		
7,150.00	6,866.88	7,100.88	6,876.94	32.59	46.22	-57.49	860.33	4,987.31	5,160.27	5,081.99	78.28	65.923		
7,200.00	6,879.62	7,114.35	6,890.39	32.99	46.26	-64.48	860.92	4,986.91	5,115.78	5,037.35	78.44	65.222		
7,250.00	6,888.58	7,116.80	6,892.83	33.48	46.27	-72.81	861.03	4,986.84	5,070.41	4,991.84	78.57	64.534		
7,300.00	6,893.70	7,119.93	6,895.96	34.02	46.27	-82.68	861.18	4,986.75	5,024.41	4,945.70	78.71	63.834		
7,339.40	6,895.01	7,120.05	6,896.08	34.48	46.28	-91.20	861.18	4,986.75	4,987.90	4,909.08	78.82	63.283		
7,400.00	6,895.16	7,118.65	6,894.68	35.24	46.27	-91.16	861.12	4,986.79	4,931.71	4,852.71	78.99	62.433		
7,500.00	6,895.43	7,116.34	6,892.38	36.64	46.26	-91.09	861.01	4,986.85	4,839.21	4,759.89	79.32	61.010		
7,600.00	6,895.69	7,118.93	6,894.96	38.20	46.27	-91.17	861.12	4,986.77	4,747.01	4,667.30	79.71	59.551		
7,700.00	6,895.95	7,115.73	6,891.77	39.91	46.26	-91.07	860.98	4,986.87	4,655.14	4,574.99	80.15	58.080		
7,800.00	6,896.21	7,112.58	6,888.62	41.75	46.25	-90.97	860.84	4,986.96	4,563.61	4,482.96	80.65	56.587		
7,900.00	6,896.47	7,109.48	6,885.52	43.69	46.24	-90.88	860.70	4,987.05	4,472.45	4,391.23	81.21	55.071		
8,000.00	6,896.74	7,106.43	6,882.48	45.73	46.23	-90.78	860.57	4,987.14	4,381.66	4,299.81	81.85	53.534		
8,100.00	6,897.00	7,103.42	6,879.48	47.85	46.23	-90.69	860.44	4,987.23	4,291.28	4,208.73	82.56	51.980		
8,200.00	6,897.26	7,100.46	6,876.52	50.04	46.22	-90.60	860.31	4,987.32	4,201.34	4,118.00	83.34	50.409		
8,300.00	6,897.52	7,097.55	6,873.61	52.30	46.21	-90.51	860.18	4,987.40	4,111.86	4,027.65	84.22	48.826		
8,400.00	6,897.78	7,094.68	6,870.74	54.61	46.20	-90.42	860.06	4,987.49	4,022.88	3,937.70	85.17	47.232		
8,500.00	6,898.05	7,091.85	6,867.92	56.98	46.19	-90.33	859.94	4,987.57	3,934.42	3,848.19	86.22	45.631		
8,600.00	6,898.31	7,089.07	6,865.14	59.38	46.19	-90.25	859.82	4,987.65	3,846.52	3,759.15	87.37	44.027		
8,700.00	6,898.57	7,086.32	6,862.40	61.82	46.18	-90.16	859.70	4,987.72	3,759.23	3,670.62	88.61	42.423		
8,800.00	6,898.83	7,083.62	6,859.70	64.30	46.17	-90.08	859.59	4,987.80	3,672.58	3,582.62	89.96	40.823		
8,900.00	6,899.10	7,080.95	6,857.04	66.81	46.16	-90.00	859.48	4,987.88	3,586.63	3,495.21	91.42	39.231		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	7,078.33	6,854.42	69.34	46.16	-89.92	859.37	4,987.95	3,501.42	3,408.43	93.00	37.652		
9,100.00	6,899.62	7,075.74	6,851.83	71.90	46.15	-89.84	859.26	4,988.02	3,417.01	3,322.33	94.69	36.088		
9,200.00	6,899.88	7,073.19	6,849.28	74.48	46.14	-89.76	859.16	4,988.09	3,333.47	3,236.97	96.50	34.545		
9,300.00	6,900.14	7,070.67	6,846.77	77.08	46.13	-89.68	859.06	4,988.16	3,250.84	3,152.41	98.44	33.025		
9,400.00	6,900.41	7,068.19	6,844.29	79.70	46.13	-89.60	858.95	4,988.22	3,169.22	3,068.72	100.50	31.533		
9,500.00	6,900.67	7,065.75	6,841.85	82.33	46.12	-89.53	858.86	4,988.29	3,088.68	2,985.97	102.71	30.073		
9,600.00	6,900.93	7,063.34	6,839.44	84.97	46.11	-89.45	858.76	4,988.35	3,009.31	2,904.26	105.05	28.647		
9,700.00	6,901.19	7,060.96	6,837.07	87.63	46.11	-89.38	858.66	4,988.42	2,931.19	2,823.66	107.53	27.259		
9,800.00	6,901.45	7,058.61	6,834.72	90.31	46.10	-89.31	858.57	4,988.48	2,854.44	2,744.28	110.15	25.913		
9,900.00	6,901.72	7,056.30	6,832.41	92.99	46.09	-89.24	858.48	4,988.54	2,779.16	2,666.24	112.93	24.610		
10,000.00	6,901.98	7,054.02	6,830.13	95.68	46.09	-89.17	858.39	4,988.60	2,705.49	2,589.64	115.85	23.354		
10,100.00	6,902.24	7,051.76	6,827.88	98.38	46.08	-89.10	858.30	4,988.66	2,633.55	2,514.64	118.91	22.147		
10,200.00	6,902.50	7,049.54	6,825.66	101.09	46.07	-89.03	858.21	4,988.72	2,563.49	2,441.36	122.12	20.991		
10,300.00	6,902.76	7,047.35	6,823.47	103.81	46.07	-88.96	858.13	4,988.77	2,495.47	2,369.99	125.47	19.888		
10,400.00	6,903.03	7,045.18	6,821.31	106.53	46.06	-88.89	858.04	4,988.83	2,429.66	2,300.69	128.96	18.840		
10,500.00	6,903.29	7,043.05	6,819.18	109.26	46.05	-88.83	857.96	4,988.88	2,366.24	2,233.66	132.58	17.848		
10,600.00	6,903.55	7,040.94	6,817.07	112.00	46.05	-88.76	857.88	4,988.93	2,305.42	2,169.11	136.31	16.913		
10,700.00	6,903.81	7,038.86	6,814.99	114.75	46.04	-88.70	857.80	4,988.99	2,247.40	2,107.26	140.14	16.037		
10,800.00	6,904.08	7,036.80	6,812.94	117.49	46.04	-88.63	857.73	4,989.04	2,192.41	2,048.35	144.05	15.219		
10,900.00	6,904.34	7,034.77	6,810.91	120.25	46.03	-88.57	857.65	4,989.09	2,140.67	1,992.65	148.02	14.462		
11,000.00	6,904.60	7,032.77	6,808.91	123.00	46.03	-88.51	857.57	4,989.14	2,092.44	1,940.42	152.02	13.764		
11,100.00	6,904.86	7,030.79	6,806.93	125.77	46.02	-88.45	857.50	4,989.18	2,047.95	1,891.94	156.01	13.127		
11,200.00	6,905.12	7,028.84	6,804.98	128.53	46.01	-88.39	857.43	4,989.23	2,007.46	1,847.51	159.95	12.550		
11,300.00	6,905.39	7,026.91	6,803.06	131.30	46.01	-88.33	857.36	4,989.28	1,971.22	1,807.41	163.81	12.033		
11,400.00	6,905.65	7,025.01	6,801.15	134.08	46.00	-88.27	857.29	4,989.32	1,939.46	1,771.91	167.54	11.576		
11,500.00	6,905.91	7,023.12	6,799.27	136.85	46.00	-88.21	857.22	4,989.37	1,912.40	1,741.30	171.10	11.177		
11,600.00	6,906.17	7,021.26	6,797.41	139.63	45.99	-88.15	857.15	4,989.41	1,890.25	1,715.82	174.43	10.837		
11,700.00	6,906.43	7,019.43	6,795.58	142.42	45.99	-88.10	857.08	4,989.46	1,873.18	1,695.68	177.51	10.553		
11,800.00	6,906.70	7,017.61	6,793.77	145.20	45.98	-88.04	857.02	4,989.50	1,861.34	1,681.06	180.28	10.325		
11,900.00	6,906.96	7,015.82	6,791.98	147.99	45.98	-87.98	856.95	4,989.54	1,854.81	1,672.09	182.72	10.151		
11,971.30	6,907.15	7,014.56	6,790.71	149.98	45.97	-87.95	856.91	4,989.57	1,853.44	1,669.19	184.25	10.059 CC		
12,000.00	6,907.22	7,014.05	6,790.21	150.78	45.97	-87.93	856.89	4,989.58	1,853.66	1,668.84	184.82	10.030 ES		
12,100.00	6,907.48	7,012.30	6,788.46	153.57	45.97	-87.88	856.83	4,989.62	1,857.90	1,671.35	186.55	9.959		
12,200.00	6,907.74	7,010.57	6,786.73	156.37	45.96	-87.82	856.76	4,989.66	1,867.49	1,679.58	187.91	9.938 SF		
12,300.00	6,908.01	7,008.86	6,785.02	159.17	45.96	-87.77	856.70	4,989.70	1,882.35	1,693.43	188.92	9.964		
12,400.00	6,908.27	7,007.17	6,783.33	161.97	45.95	-87.72	856.64	4,989.74	1,902.36	1,712.78	189.58	10.035		
12,500.00	6,908.53	7,005.50	6,781.66	164.77	45.95	-87.67	856.59	4,989.78	1,927.35	1,737.43	189.91	10.149		
12,600.00	6,908.79	7,003.85	6,780.01	167.57	45.94	-87.61	856.53	4,989.82	1,957.13	1,767.18	189.95	10.303		
12,700.00	6,909.06	7,002.21	6,778.38	170.38	45.94	-87.56	856.47	4,989.85	1,991.50	1,801.78	189.71	10.497		
12,800.00	6,909.32	7,000.00	6,776.17	173.18	45.93	-87.50	856.40	4,989.90	2,030.21	1,840.97	189.24	10.728		
12,900.00	6,909.58	6,998.98	6,775.15	175.99	45.93	-87.46	856.36	4,989.92	2,073.02	1,884.47	188.55	10.994		
13,000.00	6,909.84	6,997.37	6,773.54	178.80	45.93	-87.41	856.30	4,989.96	2,119.69	1,932.00	187.69	11.294		
13,100.00	6,910.10	6,995.78	6,771.95	181.61	45.92	-87.37	856.25	4,989.99	2,169.97	1,983.29	186.68	11.624		
13,200.00	6,910.37	6,994.20	6,770.38	184.42	45.92	-87.32	856.20	4,990.03	2,223.61	2,038.07	185.54	11.985		
13,300.00	6,910.63	6,992.64	6,768.82	187.24	45.91	-87.27	856.14	4,990.06	2,280.37	2,096.08	184.29	12.373		
13,400.00	6,910.89	6,991.10	6,767.28	190.05	45.91	-87.22	856.09	4,990.10	2,340.03	2,157.05	182.98	12.789		
13,500.00	6,911.15	6,989.58	6,765.75	192.87	45.90	-87.17	856.04	4,990.13	2,402.37	2,220.77	181.60	13.229		
13,600.00	6,911.41	6,988.07	6,764.25	195.68	45.90	-87.13	855.99	4,990.16	2,467.19	2,287.01	180.18	13.693		
13,700.00	6,911.68	6,986.58	6,762.76	198.50	45.90	-87.08	855.94	4,990.19	2,534.30	2,355.56	178.73	14.179		
13,800.00	6,911.94	6,985.10	6,761.28	201.32	45.89	-87.04	855.89	4,990.22	2,603.51	2,426.24	177.27	14.687		
13,900.00	6,912.20	6,983.64	6,759.82	204.14	45.89	-86.99	855.84	4,990.26	2,674.68	2,498.87	175.81	15.214		
14,000.00	6,912.46	6,982.20	6,758.38	206.96	45.88	-86.95	855.79	4,990.29	2,747.64	2,573.29	174.35	15.760		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	6,980.77	6,756.95	209.78	45.88	-86.90	855.75	4,990.32	2,822.26	2,649.36	172.90	16.323		
14,200.00	6,912.99	6,979.35	6,755.54	212.61	45.88	-86.86	855.70	4,990.35	2,898.40	2,726.93	171.47	16.903		
14,300.00	6,913.25	6,977.95	6,754.14	215.43	45.87	-86.81	855.65	4,990.37	2,975.96	2,805.90	170.06	17.499		
14,400.00	6,913.51	6,976.57	6,752.75	218.26	45.87	-86.77	855.61	4,990.40	3,054.82	2,886.14	168.68	18.110		
14,500.00	6,913.77	6,975.20	6,751.38	221.08	45.86	-86.73	855.56	4,990.43	3,134.89	2,967.55	167.33	18.734		
14,600.00	6,914.04	6,973.84	6,750.03	223.91	45.86	-86.69	855.52	4,990.46	3,216.07	3,050.06	166.02	19.372		
14,700.00	6,914.30	6,972.50	6,748.69	226.73	45.86	-86.65	855.47	4,990.49	3,298.29	3,133.56	164.73	20.022		
14,800.00	6,914.56	6,971.17	6,747.36	229.56	45.85	-86.61	855.43	4,990.51	3,381.46	3,217.98	163.48	20.684		
14,900.00	6,914.82	6,969.85	6,746.04	232.39	45.85	-86.56	855.39	4,990.54	3,465.52	3,303.26	162.27	21.357		
15,000.00	6,915.08	6,968.55	6,744.74	235.22	45.85	-86.52	855.35	4,990.57	3,550.41	3,389.32	161.09	22.040		
15,100.00	6,915.35	6,967.26	6,743.45	238.05	45.84	-86.48	855.31	4,990.59	3,636.07	3,476.12	159.94	22.733		
15,200.00	6,915.61	6,965.98	6,742.18	240.88	45.84	-86.44	855.26	4,990.62	3,722.44	3,563.60	158.83	23.436		
15,300.00	6,915.87	6,964.72	6,740.91	243.71	45.84	-86.41	855.22	4,990.64	3,809.47	3,651.71	157.76	24.147		
15,400.00	6,916.13	6,963.47	6,739.66	246.54	45.83	-86.37	855.18	4,990.67	3,897.13	3,740.41	156.72	24.867		
15,500.00	6,916.39	6,962.23	6,738.42	249.37	45.83	-86.33	855.14	4,990.69	3,985.37	3,829.66	155.71	25.594		
15,600.00	6,916.66	6,961.00	6,737.20	252.20	45.83	-86.29	855.11	4,990.72	4,074.15	3,919.41	154.74	26.329		
15,700.00	6,916.92	6,959.78	6,735.98	255.03	45.82	-86.25	855.07	4,990.74	4,163.44	4,009.65	153.80	27.071		
15,800.00	6,917.18	6,958.58	6,734.78	257.87	45.82	-86.22	855.03	4,990.76	4,253.21	4,100.33	152.88	27.820		
15,900.00	6,917.44	6,957.39	6,733.59	260.70	45.82	-86.18	854.99	4,990.79	4,343.42	4,191.42	152.00	28.575		
16,000.00	6,917.70	6,956.21	6,732.41	263.53	45.81	-86.14	854.96	4,990.81	4,434.06	4,282.91	151.15	29.335		
16,100.00	6,917.97	6,955.04	6,731.24	266.37	45.81	-86.11	854.92	4,990.83	4,525.08	4,374.76	150.33	30.102		
16,200.00	6,918.23	6,953.88	6,730.08	269.20	45.81	-86.07	854.88	4,990.85	4,616.48	4,466.95	149.53	30.874		
16,300.00	6,918.49	6,952.73	6,728.94	272.04	45.80	-86.04	854.85	4,990.88	4,708.23	4,559.47	148.76	31.650		
16,400.00	6,918.75	6,951.59	6,727.80	274.87	45.80	-86.00	854.81	4,990.90	4,800.30	4,652.29	148.01	32.432		
16,500.00	6,919.02	6,950.47	6,726.67	277.71	45.80	-85.97	854.78	4,990.92	4,892.69	4,745.40	147.29	33.218		
16,600.00	6,919.28	6,949.35	6,725.56	280.55	45.79	-85.93	854.74	4,990.94	4,985.37	4,838.78	146.59	34.008		
16,700.00	6,919.54	6,948.25	6,724.45	283.38	45.79	-85.90	854.71	4,990.96	5,078.33	4,932.41	145.92	34.803		
16,800.00	6,919.80	6,947.15	6,723.36	286.22	45.79	-85.86	854.68	4,990.98	5,171.55	5,026.28	145.27	35.601		
16,900.00	6,920.06	6,946.07	6,722.28	289.06	45.78	-85.83	854.64	4,991.00	5,265.02	5,120.38	144.63	36.402		
17,000.00	6,920.33	6,944.99	6,721.20	291.90	45.78	-85.80	854.61	4,991.02	5,358.72	5,214.70	144.02	37.208		
17,100.00	6,920.59	6,943.93	6,720.14	294.73	45.78	-85.76	854.58	4,991.04	5,452.65	5,309.22	143.43	38.016		
17,200.00	6,920.85	6,942.87	6,719.08	297.57	45.78	-85.73	854.55	4,991.06	5,546.79	5,403.93	142.86	38.827		
17,300.00	6,921.11	6,941.83	6,718.04	300.41	45.77	-85.70	854.51	4,991.08	5,641.13	5,498.83	142.30	39.642		
17,400.00	6,921.37	6,940.79	6,717.00	303.25	45.77	-85.67	854.48	4,991.10	5,735.66	5,593.90	141.77	40.458		
17,500.00	6,921.64	6,939.76	6,715.97	306.09	45.77	-85.64	854.45	4,991.12	5,830.38	5,689.13	141.25	41.278		
17,600.00	6,921.90	6,938.74	6,714.96	308.93	45.76	-85.60	854.42	4,991.14	5,925.27	5,784.52	140.74	42.100		
17,638.91	6,922.00	6,938.35	6,714.56	310.03	45.76	-85.59	854.41	4,991.14	5,962.23	5,821.68	140.55	42.420		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	95.90	-577.51	5,588.80	5,618.78					
100.00	100.00	53.95	53.95	3.28	3.28	95.90	-577.49	5,588.78	5,618.54	5,611.97	6.57	855.593		
200.00	200.00	161.85	161.85	3.34	3.30	95.90	-577.34	5,588.64	5,618.40	5,611.76	6.64	846.626		
239.89	239.89	204.89	204.89	3.37	3.31	-101.06	-577.24	5,588.55	5,618.36	5,611.67	6.68	840.736		
300.00	299.98	269.73	269.73	3.44	3.33	-101.07	-577.04	5,588.37	5,618.45	5,611.68	6.77	829.608		
400.00	399.84	377.45	377.45	3.59	3.38	-101.12	-576.60	5,587.96	5,619.04	5,612.07	6.97	805.980		
500.00	499.45	484.88	484.88	3.79	3.45	-101.20	-576.00	5,587.41	5,620.17	5,612.93	7.23	776.804		
600.00	598.70	591.88	591.87	4.04	3.53	-101.30	-575.26	5,586.73	5,621.86	5,614.30	7.56	743.876		
660.50	658.52	656.35	656.33	4.20	3.58	-101.38	-574.75	5,586.26	5,623.16	5,615.38	7.78	722.849		
700.00	697.51	698.35	698.34	4.31	3.62	-101.45	-574.39	5,585.92	5,624.08	5,616.15	7.93	708.887		
800.00	796.22	804.68	804.66	4.63	3.73	-101.63	-573.36	5,584.98	5,626.34	5,617.98	8.36	673.328		
900.00	894.93	910.97	910.93	4.98	3.84	-101.81	-572.19	5,583.91	5,628.51	5,619.69	8.82	638.423		
1,000.00	993.64	1,017.22	1,017.17	5.34	3.97	-101.99	-570.88	5,582.70	5,630.60	5,621.29	9.31	604.903		
1,100.00	1,092.35	1,123.43	1,123.36	5.73	4.11	-102.17	-569.43	5,581.36	5,632.60	5,622.77	9.83	573.181		
1,200.00	1,191.06	1,229.60	1,229.51	6.13	4.25	-102.36	-567.83	5,579.89	5,634.52	5,624.15	10.37	543.450		
1,300.00	1,289.78	1,338.27	1,338.15	6.54	4.46	-102.54	-566.05	5,578.24	5,636.35	5,625.37	10.98	513.216		
1,400.00	1,388.49	1,438.73	1,438.58	6.95	4.77	-102.72	-564.41	5,576.53	5,638.05	5,626.34	11.71	481.501		
1,500.00	1,487.20	1,527.96	1,527.79	7.38	5.06	-102.87	-563.31	5,575.12	5,639.95	5,627.52	12.43	453.894		
1,600.00	1,585.91	1,659.65	1,659.46	7.81	5.51	-103.09	-561.85	5,572.90	5,641.86	5,628.55	13.31	423.891		
1,700.00	1,684.62	1,788.92	1,788.68	8.25	5.97	-103.30	-561.25	5,569.64	5,642.95	5,628.74	14.21	397.130		
1,800.00	1,783.33	1,800.00	3,221.56	8.70	5.89	-105.30	-580.42	5,357.20	5,633.91	5,619.59	14.32	393.438		
1,900.00	1,882.04	3,322.30	3,297.15	9.15	12.54	-105.41	-581.50	5,336.00	5,611.00	5,589.96	21.04	266.687		
2,000.00	1,980.75	3,365.00	3,338.45	9.60	12.75	-105.47	-581.89	5,325.17	5,589.40	5,567.70	21.70	257.615		
2,100.00	2,079.46	3,398.37	3,370.81	10.05	12.92	-105.51	-582.31	5,317.03	5,568.81	5,546.48	22.32	249.474		
2,200.00	2,178.17	3,687.04	3,649.89	10.51	14.37	-105.87	-590.63	5,243.82	5,548.74	5,524.79	23.95	231.652		
2,300.00	2,276.88	3,936.65	3,888.78	10.97	15.71	-106.15	-600.07	5,172.12	5,524.63	5,499.19	25.44	217.197		
2,400.00	2,375.59	4,026.44	3,974.30	11.43	16.20	-106.25	-603.34	5,144.96	5,498.57	5,472.26	26.31	209.022		
2,500.00	2,474.31	4,021.00	3,969.12	11.89	16.17	-106.25	-603.15	5,146.60	5,473.53	5,446.71	26.81	204.144		
2,600.00	2,573.02	4,078.77	4,024.37	12.36	16.48	-106.31	-605.31	5,129.86	5,449.15	5,421.59	27.56	197.686		
2,700.00	2,671.73	4,115.00	4,059.22	12.82	16.68	-106.36	-606.80	5,120.08	5,426.31	5,398.07	28.24	192.174		
2,800.00	2,770.44	4,143.34	4,086.57	13.29	16.83	-106.39	-607.98	5,112.76	5,404.61	5,375.74	28.88	187.158		
2,900.00	2,869.15	4,182.73	4,124.69	13.76	17.03	-106.43	-609.53	5,102.93	5,384.01	5,354.45	29.56	182.125		
3,000.00	2,967.86	4,208.00	4,149.19	14.23	17.17	-106.46	-610.48	5,096.85	5,364.52	5,334.33	30.19	177.682		
3,100.00	3,066.57	4,263.21	4,202.88	14.70	17.45	-106.53	-612.51	5,084.13	5,346.00	5,315.06	30.94	172.797		
3,200.00	3,165.28	4,302.00	4,240.71	15.17	17.65	-106.58	-613.93	5,075.66	5,328.59	5,296.97	31.62	168.520		
3,300.00	3,263.99	4,342.42	4,280.22	15.64	17.85	-106.63	-615.36	5,067.27	5,312.28	5,279.97	32.31	164.438		
3,400.00	3,362.70	4,396.00	4,332.75	16.11	18.11	-106.70	-617.12	5,056.87	5,297.15	5,264.10	33.04	160.307		
3,500.00	3,461.41	4,430.78	4,366.92	16.59	18.28	-106.74	-618.17	5,050.47	5,282.97	5,249.27	33.70	156.748		
3,600.00	3,560.12	4,490.00	4,425.18	17.06	18.57	-106.82	-619.80	5,039.95	5,269.68	5,235.22	34.46	152.917		
3,700.00	3,658.84	4,525.35	4,460.01	17.53	18.74	-106.87	-620.69	5,034.02	5,257.36	5,222.24	35.12	149.705		
3,800.00	3,757.55	4,583.00	4,516.97	18.01	19.01	-106.96	-622.02	5,025.17	5,246.33	5,210.47	35.86	146.280		
3,900.00	3,856.26	4,583.00	4,516.97	18.48	19.01	-106.96	-622.02	5,025.17	5,236.35	5,199.98	36.37	143.980		
4,000.00	3,954.97	4,626.24	4,559.80	18.96	19.21	-107.02	-622.90	5,019.33	5,227.66	5,190.62	37.05	141.115		
4,100.00	4,053.68	4,677.00	4,610.22	19.44	19.44	-107.09	-623.80	5,013.53	5,220.51	5,182.76	37.75	138.286		
4,200.00	4,152.39	4,677.00	4,610.22	19.91	19.44	-107.09	-623.80	5,013.53	5,214.45	5,176.21	38.23	136.383		
4,300.00	4,251.10	4,738.74	4,671.67	20.39	19.71	-107.19	-624.53	5,007.55	5,209.54	5,170.56	38.98	133.659		
4,400.00	4,349.81	4,771.00	4,703.80	20.87	19.85	-107.24	-624.69	5,004.74	5,205.73	5,166.14	39.59	131.503		
4,500.00	4,448.52	4,819.38	4,752.04	21.34	20.06	-107.33	-624.58	5,001.08	5,203.02	5,162.76	40.26	129.234		
4,600.00	4,547.23	4,864.00	4,796.57	21.82	20.25	-107.41	-624.06	4,998.37	5,201.60	5,160.68	40.91	127.136		
4,674.61	4,620.88	4,887.30	4,819.84	22.18	20.34	-107.45	-623.70	4,997.19	5,201.29	5,159.94	41.35	125.784		
4,700.00	4,645.94	4,898.53	4,831.06	22.30	20.39	-107.47	-623.53	4,996.66	5,201.32	5,159.81	41.51	125.291		
4,800.00	4,744.65	4,958.00	4,890.48	22.78	20.64	-107.58	-622.78	4,994.39	5,202.20	5,159.98	42.22	123.206		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,843.37	4,998.46	4,930.92	23.26	20.80	-107.65	-622.38	4,993.22	5,204.00	5,161.16	42.84	121.474		
5,000.00	4,942.08	5,063.43	4,995.87	23.74	21.07	-107.76	-621.96	4,991.73	5,206.60	5,163.04	43.57	119.504		
5,100.00	5,040.79	5,065.90	4,998.34	24.21	21.08	-107.77	-621.95	4,991.69	5,210.44	5,166.45	43.99	118.441		
5,200.00	5,139.50	5,065.90	4,998.34	24.69	21.08	-107.77	-621.95	4,991.69	5,216.20	5,171.81	44.39	117.516		
5,300.00	5,238.21	5,065.90	4,998.34	25.17	21.08	-107.77	-621.95	4,991.69	5,223.86	5,179.09	44.77	116.692		
5,400.00	5,336.92	5,065.90	4,998.34	25.65	21.08	-107.77	-621.95	4,991.69	5,233.42	5,188.29	45.13	115.968		
5,500.00	5,435.63	5,065.90	4,998.34	26.13	21.08	-107.77	-621.95	4,991.69	5,244.87	5,199.39	45.47	115.340		
5,600.00	5,534.34	5,065.90	4,998.34	26.61	21.08	-107.77	-621.95	4,991.69	5,258.19	5,212.39	45.80	114.805		
5,700.00	5,633.05	5,065.90	4,998.34	27.09	21.08	-107.77	-621.95	4,991.69	5,273.38	5,227.27	46.11	114.361		
5,800.00	5,731.76	5,065.90	4,998.34	27.57	21.08	-107.77	-621.95	4,991.69	5,290.42	5,244.02	46.41	114.005		
5,900.00	5,830.47	5,065.90	4,998.34	28.05	21.08	-107.77	-621.95	4,991.69	5,309.29	5,262.61	46.68	113.734		
6,000.00	5,929.18	5,065.90	4,998.34	28.53	21.08	-107.77	-621.95	4,991.69	5,329.96	5,283.02	46.94	113.546		
6,100.00	6,027.90	5,065.90	4,998.34	29.01	21.08	-107.77	-621.95	4,991.69	5,352.43	5,305.24	47.18	113.439		
6,200.00	6,126.61	5,065.90	4,998.34	29.49	21.08	-107.77	-621.95	4,991.69	5,376.66	5,329.25	47.41	113.410		
6,300.00	6,225.32	5,065.90	4,998.34	29.97	21.08	-107.77	-621.95	4,991.69	5,402.63	5,355.01	47.62	113.457		
6,311.21	6,236.38	5,065.90	4,998.34	30.03	21.08	-107.77	-621.95	4,991.69	5,405.65	5,358.01	47.64	113.467		
6,350.00	6,274.70	5,065.90	4,998.34	30.21	21.08	-85.76	-621.95	4,991.69	5,415.12	5,367.41	47.71	113.494		
6,400.00	6,324.03	5,065.90	4,998.34	30.43	21.08	-60.10	-621.95	4,991.69	5,424.32	5,376.52	47.79	113.495		
6,450.00	6,373.00	5,065.90	4,998.34	30.65	21.08	-43.21	-621.95	4,991.69	5,430.08	5,382.22	47.86	113.463		
6,500.00	6,421.31	5,065.90	4,998.34	30.84	21.08	-33.00	-621.95	4,991.69	5,432.39	5,384.48	47.91	113.396		
6,550.00	6,468.66	5,065.90	4,998.34	31.03	21.08	-26.58	-621.95	4,991.69	5,431.23	5,383.29	47.94	113.288		
6,600.00	6,514.76	5,065.90	4,998.34	31.20	21.08	-22.30	-621.95	4,991.69	5,426.62	5,378.65	47.96	113.137		
6,650.00	6,559.32	5,065.90	4,998.34	31.37	21.08	-19.29	-621.95	4,991.69	5,418.56	5,370.58	47.98	112.942		
6,700.00	6,602.08	5,065.90	4,998.34	31.52	21.08	-17.10	-621.95	4,991.69	5,407.10	5,359.12	47.98	112.701		
6,750.00	6,642.77	5,065.90	4,998.34	31.65	21.08	-15.46	-621.95	4,991.69	5,392.28	5,344.31	47.97	112.413		
6,800.00	6,681.13	5,065.90	4,998.34	31.78	21.08	-14.19	-621.95	4,991.69	5,374.17	5,326.22	47.95	112.078		
6,850.00	6,716.93	5,065.90	4,998.34	31.89	21.08	-13.22	-621.95	4,991.69	5,352.84	5,304.92	47.92	111.694		
6,900.00	6,749.95	5,065.90	4,998.34	31.99	21.08	-12.45	-621.95	4,991.69	5,328.40	5,280.51	47.89	111.262		
6,950.00	6,779.98	5,065.90	4,998.34	32.08	21.08	-11.86	-621.95	4,991.69	5,300.94	5,253.09	47.85	110.780		
7,000.00	6,806.85	5,065.90	4,998.34	32.16	21.08	-11.40	-621.95	4,991.69	5,270.60	5,222.79	47.81	110.250		
7,050.00	6,830.38	5,065.90	4,998.34	32.24	21.08	-11.07	-621.95	4,991.69	5,237.50	5,189.75	47.76	109.670		
7,100.00	6,850.43	5,065.90	4,998.34	32.35	21.08	-10.85	-621.95	4,991.69	5,201.82	5,154.11	47.70	109.042		
7,150.00	6,866.88	5,065.90	4,998.34	32.59	21.08	-10.73	-621.95	4,991.69	5,163.70	5,116.05	47.65	108.367		
7,200.00	6,879.62	5,065.90	4,998.34	32.99	21.08	-10.71	-621.95	4,991.69	5,123.34	5,075.75	47.59	107.645		
7,250.00	6,888.58	5,065.90	4,998.34	33.48	21.08	-10.81	-621.95	4,991.69	5,080.94	5,033.40	47.54	106.877		
7,300.00	6,893.70	5,065.90	4,998.34	34.02	21.08	-11.04	-621.95	4,991.69	5,036.70	4,989.22	47.49	106.065		
7,339.40	6,895.01	5,065.90	4,998.34	34.48	21.08	-11.36	-621.95	4,991.69	5,000.70	4,953.25	47.45	105.393		
7,400.00	6,895.16	5,065.90	4,998.34	35.24	21.08	-11.36	-621.95	4,991.69	4,944.68	4,897.30	47.38	104.356		
7,500.00	6,895.43	5,065.90	4,998.34	36.64	21.08	-11.36	-621.95	4,991.69	4,852.48	4,805.21	47.27	102.653		
7,600.00	6,895.69	5,065.90	4,998.34	38.20	21.08	-11.36	-621.95	4,991.69	4,760.59	4,713.42	47.16	100.944		
7,700.00	6,895.95	5,065.90	4,998.34	39.91	21.08	-11.36	-621.95	4,991.69	4,669.03	4,621.98	47.05	99.231		
7,800.00	6,896.21	5,065.90	4,998.34	41.75	21.08	-11.36	-621.95	4,991.69	4,577.82	4,530.88	46.95	97.513		
7,900.00	6,896.47	5,065.90	4,998.34	43.69	21.08	-11.36	-621.95	4,991.69	4,486.99	4,440.15	46.84	95.789		
8,000.00	6,896.74	5,065.90	4,998.34	45.73	21.08	-11.36	-621.95	4,991.69	4,396.56	4,349.82	46.74	94.059		
8,100.00	6,897.00	5,065.90	4,998.34	47.85	21.08	-11.36	-621.95	4,991.69	4,306.55	4,259.91	46.65	92.324		
8,200.00	6,897.26	5,065.90	4,998.34	50.04	21.08	-11.36	-621.95	4,991.69	4,217.00	4,170.44	46.55	90.581		
8,300.00	6,897.52	5,065.90	4,998.34	52.30	21.08	-11.36	-621.95	4,991.69	4,127.92	4,081.45	46.47	88.832		
8,400.00	6,897.78	5,065.90	4,998.34	54.61	21.08	-11.36	-621.95	4,991.69	4,039.35	3,992.96	46.39	87.075		
8,500.00	6,898.05	5,065.90	4,998.34	56.98	21.08	-11.36	-621.95	4,991.69	3,951.33	3,905.01	46.32	85.311		
8,600.00	6,898.31	5,065.90	4,998.34	59.38	21.08	-11.36	-621.95	4,991.69	3,863.89	3,817.64	46.25	83.538		
8,700.00	6,898.57	5,065.90	4,998.34	61.82	21.08	-11.36	-621.95	4,991.69	3,777.07	3,730.88	46.20	81.757		
8,800.00	6,898.83	5,065.90	4,998.34	64.30	21.08	-11.36	-621.95	4,991.69	3,690.93	3,644.77	46.16	79.967		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	5,065.90	4,998.34	66.81	21.08	-11.36	-621.95	4,991.69	3,605.49	3,559.37	46.13	78.168		
9,000.00	6,899.36	5,065.90	4,998.34	69.34	21.08	-11.36	-621.95	4,991.69	3,520.83	3,474.72	46.11	76.360		
9,100.00	6,899.62	5,065.90	4,998.34	71.90	21.08	-11.36	-621.95	4,991.69	3,436.99	3,390.88	46.11	74.543		
9,200.00	6,899.88	5,065.90	4,998.34	74.48	21.08	-11.36	-621.95	4,991.69	3,354.03	3,307.91	46.12	72.717		
9,300.00	6,900.14	5,065.90	4,998.34	77.08	21.08	-11.36	-621.95	4,991.69	3,272.03	3,225.87	46.16	70.882		
9,400.00	6,900.41	5,065.90	4,998.34	79.70	21.08	-11.36	-621.95	4,991.69	3,191.05	3,144.83	46.22	69.040		
9,500.00	6,900.67	5,065.90	4,998.34	82.33	21.08	-11.36	-621.95	4,991.69	3,111.19	3,064.88	46.30	67.192		
9,600.00	6,900.93	5,065.90	4,998.34	84.97	21.08	-11.36	-621.95	4,991.69	3,032.51	2,986.10	46.41	65.338		
9,700.00	6,901.19	5,065.90	4,998.34	87.63	21.08	-11.36	-621.95	4,991.69	2,955.13	2,908.57	46.55	63.481		
9,800.00	6,901.45	5,065.90	4,998.34	90.31	21.08	-11.36	-621.95	4,991.69	2,879.13	2,832.41	46.72	61.624		
9,900.00	6,901.72	5,065.90	4,998.34	92.99	21.08	-11.36	-621.95	4,991.69	2,804.65	2,757.73	46.92	59.770		
10,000.00	6,901.98	5,065.90	4,998.34	95.68	21.08	-11.36	-621.95	4,991.69	2,731.80	2,684.63	47.16	57.921		
10,100.00	6,902.24	5,065.90	4,998.34	98.38	21.08	-11.36	-621.95	4,991.69	2,660.71	2,613.26	47.44	56.084		
10,200.00	6,902.50	5,065.90	4,998.34	101.09	21.08	-11.36	-621.95	4,991.69	2,591.53	2,543.77	47.76	54.263		
10,300.00	6,902.76	5,065.90	4,998.34	103.81	21.08	-11.36	-621.95	4,991.69	2,524.41	2,476.29	48.12	52.463		
10,400.00	6,903.03	5,065.90	4,998.34	106.53	21.08	-11.36	-621.95	4,991.69	2,459.53	2,411.01	48.52	50.692		
10,500.00	6,903.29	5,065.90	4,998.34	109.26	21.08	-11.36	-621.95	4,991.69	2,397.07	2,348.11	48.96	48.957		
10,600.00	6,903.55	5,065.90	4,998.34	112.00	21.08	-11.36	-621.95	4,991.69	2,337.22	2,287.77	49.45	47.264		
10,700.00	6,903.81	5,065.90	4,998.34	114.75	21.08	-11.36	-621.95	4,991.69	2,280.18	2,230.21	49.98	45.623		
10,800.00	6,904.08	5,065.90	4,998.34	117.49	21.08	-11.36	-621.95	4,991.69	2,226.18	2,175.63	50.55	44.039		
10,900.00	6,904.34	5,065.90	4,998.34	120.25	21.08	-11.36	-621.95	4,991.69	2,175.44	2,124.28	51.16	42.520		
11,000.00	6,904.60	5,065.90	4,998.34	123.00	21.08	-11.36	-621.95	4,991.69	2,128.19	2,076.37	51.81	41.073		
11,100.00	6,904.86	5,065.90	4,998.34	125.77	21.08	-11.36	-621.95	4,991.69	2,084.67	2,032.16	52.51	39.702		
11,200.00	6,905.12	5,065.90	4,998.34	128.53	21.08	-11.36	-621.95	4,991.69	2,045.11	1,991.86	53.25	38.408		
11,300.00	6,905.39	5,065.90	4,998.34	131.30	21.08	-11.36	-621.95	4,991.69	2,009.76	1,955.72	54.04	37.190		
11,400.00	6,905.65	5,065.90	4,998.34	134.08	21.08	-11.36	-621.95	4,991.69	1,978.83	1,923.93	54.90	36.044		
11,500.00	6,905.91	5,065.90	4,998.34	136.85	21.08	-11.36	-621.95	4,991.69	1,952.54	1,896.69	55.85	34.958		
11,600.00	6,906.17	5,065.90	4,998.34	139.63	21.08	-11.36	-621.95	4,991.69	1,931.08	1,874.15	56.93	33.923		
11,700.00	6,906.43	5,065.90	4,998.34	142.42	21.08	-11.36	-621.95	4,991.69	1,914.61	1,856.47	58.14	32.931		
11,800.00	6,906.70	5,065.90	4,998.34	145.20	21.08	-11.36	-621.95	4,991.69	1,903.25	1,843.75	59.50	31.988		
11,900.00	6,906.96	5,065.90	4,998.34	147.99	21.08	-11.36	-621.95	4,991.69	1,897.11	1,836.13	60.98	31.112		
11,966.76	6,907.13	5,065.90	4,998.34	149.85	21.08	-11.36	-621.95	4,991.69	1,895.93	1,833.93	62.01	30.577 CC		
12,000.00	6,907.22	5,065.90	4,998.34	150.78	21.08	-11.36	-621.95	4,991.69	1,896.22	1,833.70	62.52	30.328 ES		
12,100.00	6,907.48	5,065.90	4,998.34	153.57	21.08	-11.36	-621.95	4,991.69	1,900.61	1,836.52	64.09	29.657		
12,200.00	6,907.74	5,065.90	4,998.34	156.37	21.08	-11.36	-621.95	4,991.69	1,910.22	1,844.61	65.61	29.113		
12,300.00	6,908.01	5,065.90	4,998.34	159.17	21.08	-11.36	-621.95	4,991.69	1,924.99	1,857.93	67.07	28.703		
12,400.00	6,908.27	5,065.90	4,998.34	161.97	21.08	-11.36	-621.95	4,991.69	1,944.80	1,876.38	68.42	28.425		
12,500.00	6,908.53	5,065.90	4,998.34	164.77	21.08	-11.36	-621.95	4,991.69	1,969.49	1,899.84	69.65	28.276		
12,600.00	6,908.79	5,065.90	4,998.34	167.57	21.08	-11.36	-621.95	4,991.69	1,998.89	1,928.13	70.76	28.249 SF		
12,700.00	6,909.06	5,065.90	4,998.34	170.38	21.08	-11.36	-621.95	4,991.69	2,032.78	1,961.05	71.73	28.338		
12,800.00	6,909.32	5,065.90	4,998.34	173.18	21.08	-11.36	-621.95	4,991.69	2,070.95	1,998.38	72.58	28.535		
12,900.00	6,909.58	5,065.90	4,998.34	175.99	21.08	-11.36	-621.95	4,991.69	2,113.17	2,039.88	73.29	28.832		
13,000.00	6,909.84	5,065.90	4,998.34	178.80	21.08	-11.36	-621.95	4,991.69	2,159.20	2,085.30	73.89	29.220		
13,100.00	6,910.10	5,065.90	4,998.34	181.61	21.08	-11.36	-621.95	4,991.69	2,208.80	2,134.41	74.39	29.694		
13,200.00	6,910.37	5,065.90	4,998.34	184.42	21.08	-11.36	-621.95	4,991.69	2,261.73	2,186.95	74.78	30.246		
13,300.00	6,910.63	5,065.90	4,998.34	187.24	21.08	-11.36	-621.95	4,991.69	2,317.77	2,242.69	75.08	30.870		
13,400.00	6,910.89	5,065.90	4,998.34	190.05	21.08	-11.36	-621.95	4,991.69	2,376.70	2,301.40	75.31	31.560		
13,500.00	6,911.15	5,065.90	4,998.34	192.87	21.08	-11.36	-621.95	4,991.69	2,438.31	2,362.85	75.47	32.310		
13,600.00	6,911.41	5,065.90	4,998.34	195.68	21.08	-11.36	-621.95	4,991.69	2,502.40	2,426.84	75.56	33.116		
13,700.00	6,911.68	5,065.90	4,998.34	198.50	21.08	-11.36	-621.95	4,991.69	2,568.79	2,493.18	75.61	33.974		
13,800.00	6,911.94	5,065.90	4,998.34	201.32	21.08	-11.36	-621.95	4,991.69	2,637.29	2,561.68	75.62	34.878		
13,900.00	6,912.20	5,065.90	4,998.34	204.14	21.08	-11.36	-621.95	4,991.69	2,707.76	2,632.18	75.58	35.825		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	6,912.46	5,065.90	4,998.34	206.96	21.08	-11.36	-621.95	4,991.69	2,780.04	2,704.52	75.52	36.812		
14,100.00	6,912.72	5,065.90	4,998.34	209.78	21.08	-11.36	-621.95	4,991.69	2,853.99	2,778.56	75.43	37.835		
14,200.00	6,912.99	5,065.90	4,998.34	212.61	21.08	-11.36	-621.95	4,991.69	2,929.49	2,854.16	75.33	38.891		
14,300.00	6,913.25	5,065.90	4,998.34	215.43	21.08	-11.36	-621.95	4,991.69	3,006.42	2,931.22	75.20	39.978		
14,400.00	6,913.51	5,065.90	4,998.34	218.26	21.08	-11.36	-621.95	4,991.69	3,084.67	3,009.61	75.07	41.093		
14,500.00	6,913.77	5,065.90	4,998.34	221.08	21.08	-11.36	-621.95	4,991.69	3,164.15	3,089.23	74.92	42.234		
14,600.00	6,914.04	5,065.90	4,998.34	223.91	21.08	-11.36	-621.95	4,991.69	3,244.76	3,170.00	74.77	43.399		
14,700.00	6,914.30	5,065.90	4,998.34	226.73	21.08	-11.36	-621.95	4,991.69	3,326.43	3,251.82	74.61	44.585		
14,800.00	6,914.56	5,065.90	4,998.34	229.56	21.08	-11.36	-621.95	4,991.69	3,409.07	3,334.63	74.45	45.792		
14,900.00	6,914.82	5,065.90	4,998.34	232.39	21.08	-11.36	-621.95	4,991.69	3,492.63	3,418.34	74.28	47.017		
15,000.00	6,915.08	5,065.90	4,998.34	235.22	21.08	-11.36	-621.95	4,991.69	3,577.02	3,502.90	74.12	48.258		
15,100.00	6,915.35	5,065.90	4,998.34	238.05	21.08	-11.36	-621.95	4,991.69	3,662.20	3,588.24	73.96	49.516		
15,200.00	6,915.61	5,065.90	4,998.34	240.88	21.08	-11.36	-621.95	4,991.69	3,748.12	3,674.32	73.80	50.787		
15,300.00	6,915.87	5,065.90	4,998.34	243.71	21.08	-11.36	-621.95	4,991.69	3,834.71	3,761.07	73.64	52.072		
15,400.00	6,916.13	5,065.90	4,998.34	246.54	21.08	-11.36	-621.95	4,991.69	3,921.95	3,848.46	73.49	53.368		
15,500.00	6,916.39	5,065.90	4,998.34	249.37	21.08	-11.36	-621.95	4,991.69	4,009.78	3,936.44	73.34	54.675		
15,600.00	6,916.66	5,065.90	4,998.34	252.20	21.08	-11.36	-621.95	4,991.69	4,098.17	4,024.97	73.19	55.992		
15,700.00	6,916.92	5,065.90	4,998.34	255.03	21.08	-11.36	-621.95	4,991.69	4,187.08	4,114.03	73.05	57.318		
15,800.00	6,917.18	5,065.90	4,998.34	257.87	21.08	-11.36	-621.95	4,991.69	4,276.48	4,203.57	72.91	58.652		
15,900.00	6,917.44	5,065.90	4,998.34	260.70	21.08	-11.36	-621.95	4,991.69	4,366.34	4,293.56	72.78	59.994		
16,000.00	6,917.70	5,065.90	4,998.34	263.53	21.08	-11.36	-621.95	4,991.69	4,456.63	4,383.98	72.65	61.343		
16,100.00	6,917.97	5,065.90	4,998.34	266.37	21.08	-11.36	-621.95	4,991.69	4,547.33	4,474.80	72.53	62.697		
16,200.00	6,918.23	5,065.90	4,998.34	269.20	21.08	-11.36	-621.95	4,991.69	4,638.41	4,566.00	72.41	64.057		
16,300.00	6,918.49	5,065.90	4,998.34	272.04	21.08	-11.36	-621.95	4,991.69	4,729.85	4,657.55	72.30	65.422		
16,400.00	6,918.75	5,065.90	4,998.34	274.87	21.08	-11.36	-621.95	4,991.69	4,821.63	4,749.44	72.19	66.791		
16,500.00	6,919.02	5,065.90	4,998.34	277.71	21.08	-11.36	-621.95	4,991.69	4,913.74	4,841.65	72.09	68.164		
16,600.00	6,919.28	5,065.90	4,998.34	280.55	21.08	-11.36	-621.95	4,991.69	5,006.14	4,934.15	71.99	69.540		
16,700.00	6,919.54	5,065.90	4,998.34	283.38	21.08	-11.36	-621.95	4,991.69	5,098.83	5,026.94	71.90	70.919		
16,800.00	6,919.80	5,065.90	4,998.34	286.22	21.08	-11.36	-621.95	4,991.69	5,191.80	5,119.99	71.81	72.301		
16,900.00	6,920.06	5,065.90	4,998.34	289.06	21.08	-11.36	-621.95	4,991.69	5,285.01	5,213.29	71.72	73.685		
17,000.00	6,920.33	5,065.90	4,998.34	291.90	21.08	-11.36	-621.95	4,991.69	5,378.48	5,306.83	71.65	75.070		
17,100.00	6,920.59	5,065.90	4,998.34	294.73	21.08	-11.36	-621.95	4,991.69	5,472.17	5,400.60	71.57	76.456		
17,200.00	6,920.85	5,065.90	4,998.34	297.57	21.08	-11.36	-621.95	4,991.69	5,566.09	5,494.58	71.50	77.844		
17,300.00	6,921.11	5,065.90	4,998.34	300.41	21.08	-11.36	-621.95	4,991.69	5,660.21	5,588.77	71.44	79.233		
17,400.00	6,921.37	5,065.90	4,998.34	303.25	21.08	-11.36	-621.95	4,991.69	5,754.53	5,683.15	71.38	80.621		
17,500.00	6,921.64	5,065.90	4,998.34	306.09	21.08	-11.36	-621.95	4,991.69	5,849.04	5,777.72	71.32	82.010		
17,600.00	6,921.90	5,065.90	4,998.34	308.93	21.08	-11.36	-621.95	4,991.69	5,943.73	5,872.46	71.27	83.399		
17,638.91	6,922.00	5,065.90	4,998.34	310.03	21.08	-11.36	-621.95	4,991.69	5,980.62	5,909.37	71.25	83.939		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.68	-557.47	5,600.48	5,628.38					
100.00	100.00	54.64	54.64	3.28	3.28	95.69	-557.57	5,600.45	5,628.14	5,621.57	6.57	857.057		
200.00	200.00	154.25	154.25	3.34	3.31	95.69	-558.18	5,600.28	5,628.03	5,621.38	6.65	846.628		
209.32	209.32	162.89	162.89	3.34	3.32	-101.26	-558.24	5,600.26	5,628.02	5,621.36	6.66	845.017		
300.00	299.98	262.21	262.20	3.44	3.40	-101.27	-558.93	5,600.11	5,628.29	5,621.44	6.84	822.415		
400.00	399.84	385.88	385.87	3.59	3.58	-101.31	-559.56	5,599.52	5,628.89	5,621.72	7.17	784.957		
500.00	499.45	486.61	486.60	3.79	3.78	-101.38	-559.74	5,598.82	5,629.93	5,622.37	7.56	744.427		
600.00	598.70	1,988.72	1,967.87	4.04	11.78	-104.14	-473.69	5,413.83	5,622.41	5,608.80	13.60	413.266		
660.50	658.52	660.50	2,139.64	4.20	5.63	-104.91	-449.39	5,368.47	5,608.21	5,599.90	8.30	675.355		
700.00	697.51	2,234.15	2,202.74	4.31	14.34	-105.10	-440.27	5,351.00	5,598.76	5,583.55	15.21	368.013		
800.00	796.22	2,310.99	2,276.03	4.63	15.20	-105.33	-429.27	5,330.70	5,574.94	5,558.99	15.95	349.486		
900.00	894.93	2,409.18	2,369.70	4.98	16.30	-105.62	-415.08	5,304.87	5,551.36	5,534.50	16.86	329.257		
1,000.00	993.64	2,531.18	2,485.86	5.34	17.71	-106.00	-396.88	5,272.36	5,527.51	5,509.55	17.96	307.739		
1,100.00	1,092.35	1,100.00	2,728.47	5.73	5.92	-106.85	-354.46	5,200.39	5,502.43	5,492.77	9.66	569.768		
1,200.00	1,191.06	2,842.73	2,780.12	6.13	21.76	-107.03	-345.05	5,184.17	5,476.10	5,455.25	20.84	262.745		
1,300.00	1,289.78	2,900.00	2,834.35	6.54	22.52	-107.22	-336.09	5,168.11	5,451.11	5,429.44	21.67	251.539		
1,400.00	1,388.49	2,922.99	2,856.21	6.95	22.80	-107.29	-332.71	5,161.86	5,426.94	5,404.67	22.28	243.626		
1,500.00	1,487.20	3,093.31	3,018.10	7.38	24.89	-107.83	-308.52	5,114.79	5,403.20	5,379.40	23.81	226.970		
1,600.00	1,585.91	3,132.07	3,054.87	7.81	25.36	-107.95	-303.03	5,103.84	5,378.86	5,354.32	24.54	219.187		
1,700.00	1,684.62	3,164.82	3,086.05	8.25	25.75	-108.06	-298.43	5,094.96	5,355.70	5,330.45	25.25	212.112		
1,800.00	1,783.33	3,200.00	3,119.67	8.70	26.17	-108.17	-293.52	5,085.81	5,333.75	5,307.76	25.98	205.269		
1,900.00	1,882.04	3,287.97	3,203.97	9.15	27.10	-108.44	-282.16	5,063.41	5,312.53	5,285.52	27.02	196.651		
2,000.00	1,980.75	3,349.55	3,263.13	9.60	27.73	-108.62	-275.09	5,047.83	5,291.70	5,263.82	27.88	189.785		
2,100.00	2,079.46	3,408.20	3,319.63	10.05	28.31	-108.79	-268.74	5,033.39	5,271.66	5,242.92	28.74	183.458		
2,200.00	2,178.17	3,479.33	3,388.26	10.51	28.98	-109.00	-261.46	5,016.25	5,252.26	5,222.62	29.64	177.182		
2,300.00	2,276.88	3,546.09	3,452.80	10.97	29.59	-109.18	-254.82	5,000.46	5,233.44	5,202.90	30.53	171.403		
2,400.00	2,375.59	4,042.66	3,927.03	11.43	35.31	-110.76	-192.77	4,868.26	5,213.45	5,179.44	34.01	153.309		
2,500.00	2,474.31	4,100.00	3,980.86	11.89	36.16	-110.97	-183.65	4,850.71	5,188.11	5,153.08	35.03	148.114		
2,600.00	2,573.02	4,148.94	4,026.96	12.36	36.83	-111.14	-176.19	4,836.07	5,163.67	5,127.70	35.97	143.555		
2,700.00	2,671.73	4,200.00	4,075.40	12.82	37.52	-111.32	-169.27	4,821.49	5,140.47	5,103.54	36.93	139.190		
2,800.00	2,770.44	4,231.98	4,105.86	13.29	37.90	-111.42	-165.14	4,812.66	5,118.30	5,080.55	37.75	135.579		
2,900.00	2,869.15	4,281.71	4,153.28	13.76	38.49	-111.59	-158.44	4,799.27	5,097.14	5,058.45	38.69	131.757		
3,000.00	2,967.86	4,718.89	4,565.25	14.23	44.67	-113.23	-90.40	4,670.24	5,074.59	5,032.11	42.48	119.448		
3,100.00	3,066.57	4,736.14	4,581.39	14.70	44.92	-113.29	-87.65	4,664.81	5,048.79	5,005.49	43.30	116.609		
3,200.00	3,165.28	4,769.59	4,612.74	15.17	45.44	-113.42	-82.37	4,654.42	5,024.22	4,979.98	44.24	113.558		
3,300.00	3,263.99	4,800.00	4,641.34	15.64	45.91	-113.54	-77.48	4,645.29	5,000.92	4,955.75	45.17	110.710		
3,400.00	3,362.70	4,856.49	4,694.58	16.11	46.68	-113.76	-68.20	4,628.84	4,978.70	4,932.40	46.30	107.541		
3,500.00	3,461.41	4,910.08	4,745.18	16.59	47.41	-113.98	-59.17	4,613.67	4,957.44	4,910.03	47.41	104.575		
3,600.00	3,560.12	4,974.17	4,805.80	17.06	48.24	-114.23	-48.37	4,595.93	4,937.00	4,888.40	48.60	101.595		
3,700.00	3,658.84	5,024.17	4,853.22	17.53	48.86	-114.43	-40.07	4,582.38	4,917.38	4,867.71	49.67	99.002		
3,800.00	3,757.55	5,064.83	4,891.91	18.01	49.34	-114.59	-33.46	4,571.80	4,898.93	4,848.27	50.66	96.694		
3,900.00	3,856.26	5,110.15	4,935.21	18.48	49.85	-114.77	-26.28	4,560.49	4,881.68	4,829.99	51.68	94.452		
4,000.00	3,954.97	5,183.07	5,005.22	18.96	50.59	-115.04	-16.07	4,548.82	4,865.25	4,812.40	52.84	92.068		
4,100.00	4,053.68	5,200.00	5,021.52	19.44	50.76	-115.10	-14.00	4,538.79	4,849.82	4,796.18	53.64	90.412		
4,200.00	4,152.39	5,244.87	5,064.94	19.91	51.11	-115.25	-8.92	4,528.71	4,835.60	4,781.05	54.55	88.643		
4,300.00	4,251.10	5,300.00	5,118.73	20.39	51.54	-115.43	-3.44	4,517.92	4,823.39	4,767.88	55.51	86.894		
4,400.00	4,349.81	5,300.00	5,118.73	20.87	51.54	-115.43	-3.44	4,517.92	4,812.05	4,755.88	56.17	85.669		
4,500.00	4,448.52	5,354.01	5,171.70	21.34	51.85	-115.59	1.20	4,508.42	4,802.30	4,745.25	57.05	84.173		
4,600.00	4,547.23	5,400.00	5,216.89	21.82	52.12	-115.73	4.67	4,500.64	4,793.41	4,735.52	57.89	82.797		
4,700.00	4,645.94	5,449.25	5,265.41	22.30	52.35	-115.86	7.94	4,492.87	4,785.62	4,726.91	58.71	81.510		
4,800.00	4,744.65	5,500.00	5,315.57	22.78	52.59	-116.00	10.87	4,485.71	4,779.18	4,719.65	59.53	80.283		
4,900.00	4,843.37	5,500.00	5,315.57	23.26	52.59	-116.00	10.87	4,485.71	4,774.16	4,714.03	60.13	79.394		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	5,556.19	5,371.27	23.74	52.79	-116.14	13.70	4,478.94	4,770.25	4,709.33	60.92	78.302		
5,100.00	5,040.79	5,600.00	5,414.83	24.21	52.94	-116.25	15.66	4,474.59	4,767.95	4,706.30	61.66	77.331		
5,200.00	5,139.50	5,640.44	5,455.07	24.69	53.05	-116.34	17.39	4,471.07	4,766.88	4,704.52	62.36	76.443		
5,265.47	5,204.12	5,679.31	5,493.78	25.01	53.16	-116.44	19.09	4,467.89	4,766.69	4,703.83	62.86	75.833		
5,300.00	5,238.21	5,700.00	5,514.38	25.17	53.22	-116.49	20.00	4,466.28	4,766.74	4,703.62	63.12	75.517		
5,400.00	5,336.92	5,761.90	5,576.06	25.65	53.38	-116.63	22.69	4,461.79	4,767.46	4,703.58	63.88	74.629		
5,500.00	5,435.63	5,824.71	5,638.68	26.13	53.54	-116.78	25.29	4,457.74	4,768.99	4,704.35	64.64	73.781		
5,600.00	5,534.34	5,888.74	5,702.58	26.61	53.69	-116.92	27.43	4,454.17	4,771.31	4,705.92	65.38	72.974		
5,700.00	5,633.05	5,960.27	5,774.01	27.09	53.85	-117.07	29.10	4,450.78	4,774.33	4,708.19	66.14	72.184		
5,800.00	5,731.76	6,035.16	5,848.83	27.57	54.02	-117.22	30.06	4,447.76	4,777.94	4,711.04	66.90	71.419		
5,900.00	5,830.47	6,113.74	5,927.36	28.05	54.18	-117.36	30.61	4,445.05	4,782.05	4,714.39	67.66	70.674		
6,000.00	5,929.18	6,201.92	6,015.50	28.53	54.37	-117.52	30.88	4,442.35	4,786.52	4,718.07	68.46	69.922		
6,100.00	6,027.90	6,296.22	6,109.77	29.01	54.57	-117.69	30.65	4,439.71	4,791.19	4,721.93	69.26	69.172		
6,200.00	6,126.61	6,379.18	6,192.69	29.49	54.74	-117.82	30.06	4,437.63	4,796.11	4,726.08	70.03	68.485		
6,300.00	6,225.32	6,493.88	6,307.36	29.97	54.98	-118.01	28.89	4,434.92	4,801.15	4,730.25	70.91	67.710		
6,311.21	6,236.38	6,507.97	6,321.44	30.03	55.01	-118.03	28.72	4,434.56	4,801.69	4,730.68	71.01	67.620		
6,350.00	6,274.70	6,554.31	6,367.76	30.21	55.11	-96.10	28.13	4,433.31	4,802.35	4,731.00	71.36	67.302		
6,400.00	6,324.03	6,614.27	6,427.69	30.43	55.24	-70.62	27.35	4,431.57	4,799.70	4,727.90	71.80	66.851		
6,450.00	6,373.00	6,659.82	6,473.22	30.65	55.34	-53.94	26.67	4,430.26	4,793.21	4,721.03	72.18	66.406		
6,500.00	6,421.31	6,708.43	6,521.81	30.84	55.45	-44.03	25.83	4,428.87	4,782.94	4,710.38	72.56	65.914		
6,550.00	6,468.66	6,761.80	6,575.14	31.03	55.56	-38.02	24.93	4,427.31	4,768.93	4,695.98	72.95	65.369		
6,600.00	6,514.76	6,814.67	6,627.98	31.20	55.68	-34.25	24.15	4,425.66	4,751.25	4,677.91	73.33	64.788		
6,650.00	6,559.32	6,868.65	6,681.92	31.37	55.80	-31.89	23.35	4,423.87	4,729.97	4,656.26	73.71	64.169		
6,700.00	6,602.08	6,920.14	6,733.38	31.52	55.92	-30.49	22.56	4,422.07	4,705.25	4,631.18	74.07	63.524		
6,750.00	6,642.77	6,941.39	6,754.61	31.65	55.97	-29.68	22.20	4,421.40	4,677.41	4,603.09	74.32	62.937		
6,800.00	6,681.13	6,969.04	6,782.24	31.78	56.03	-29.47	21.72	4,420.55	4,646.60	4,572.02	74.58	62.303		
6,850.00	6,716.93	7,000.00	6,813.19	31.89	56.10	-29.82	21.14	4,419.69	4,613.02	4,538.17	74.85	61.633		
6,900.00	6,749.95	7,038.72	6,851.89	31.99	56.19	-30.77	20.41	4,418.59	4,576.80	4,501.66	75.13	60.915		
6,950.00	6,779.98	7,083.02	6,896.15	32.08	56.29	-32.42	19.59	4,417.19	4,538.06	4,462.63	75.43	60.160		
7,000.00	6,806.85	7,188.40	7,001.42	32.16	56.54	-35.60	17.85	4,412.76	4,496.97	4,421.05	75.93	59.229		
7,050.00	6,830.38	7,050.00	6,990.87	32.24	56.21	-38.55	18.03	4,413.13	4,453.68	4,378.01	75.67	58.860		
7,100.00	6,850.43	7,100.00	7,008.88	32.35	56.33	-43.18	17.74	4,412.32	4,408.99	4,333.03	75.96	58.042		
7,150.00	6,866.88	7,224.74	7,037.71	32.59	56.63	-50.02	17.36	4,410.85	4,362.84	4,286.36	76.48	57.047		
7,200.00	6,879.62	7,229.82	7,042.78	32.99	56.64	-58.96	17.31	4,410.60	4,315.75	4,239.12	76.64	56.315		
7,250.00	6,888.58	7,233.06	7,046.02	33.48	56.65	-71.21	17.28	4,410.44	4,267.92	4,191.14	76.79	55.580		
7,300.00	6,893.70	7,234.42	7,047.38	34.02	56.65	-86.91	17.27	4,410.38	4,219.64	4,142.70	76.93	54.847		
7,339.40	6,895.01	7,234.14	7,047.11	34.48	56.65	-100.70	17.27	4,410.39	4,181.46	4,104.41	77.05	54.272		
7,400.00	6,895.16	7,232.78	7,045.75	35.24	56.65	-100.63	17.28	4,410.45	4,122.76	4,045.54	77.22	53.388		
7,500.00	6,895.43	7,230.50	7,043.46	36.64	56.64	-100.50	17.30	4,410.56	4,026.01	3,948.47	77.54	51.922		
7,600.00	6,895.69	7,228.17	7,041.13	38.20	56.64	-100.37	17.33	4,410.68	3,929.43	3,851.53	77.89	50.447		
7,700.00	6,895.95	7,225.78	7,038.75	39.91	56.63	-100.24	17.35	4,410.79	3,833.01	3,754.73	78.29	48.962		
7,800.00	6,896.21	7,223.34	7,036.32	41.75	56.63	-100.11	17.38	4,410.92	3,736.79	3,658.06	78.72	47.467		
7,900.00	6,896.47	7,220.85	7,033.83	43.69	56.62	-99.97	17.41	4,411.04	3,640.76	3,561.55	79.21	45.963		
8,000.00	6,896.74	7,218.30	7,031.28	45.73	56.61	-99.83	17.44	4,411.17	3,544.95	3,465.19	79.75	44.449		
8,100.00	6,897.00	8,100.00	7,010.97	47.85	58.75	-98.71	17.71	4,412.23	3,449.43	3,366.55	82.88	41.619		
8,200.00	6,897.26	8,200.00	7,006.76	50.04	59.00	-98.48	17.78	4,412.41	3,354.09	3,270.25	83.83	40.009		
8,300.00	6,897.52	8,300.00	7,002.54	52.30	59.24	-98.24	17.85	4,412.60	3,259.01	3,174.16	84.85	38.407		
8,400.00	6,897.78	8,400.00	6,998.33	54.61	59.49	-98.01	17.91	4,412.79	3,164.24	3,078.28	85.95	36.813		
8,500.00	6,898.05	7,217.74	7,030.72	56.98	56.61	-99.80	17.43	4,411.13	3,069.82	2,986.29	83.53	36.753		
8,600.00	6,898.31	7,206.12	7,019.12	59.38	56.58	-99.16	17.59	4,411.80	2,975.78	2,891.28	84.50	35.216		
8,700.00	6,898.57	7,195.43	7,008.44	61.82	56.56	-98.57	17.74	4,412.38	2,882.12	2,796.53	85.59	33.675		
8,800.00	6,898.83	7,185.55	6,998.58	64.30	56.54	-98.02	17.89	4,412.90	2,788.87	2,702.08	86.79	32.133		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	7,176.41	6,989.45	66.81	56.51	-97.52	18.03	4,413.37	2,696.10	2,607.97	88.13	30.593		
9,000.00	6,899.36	7,167.91	6,980.97	69.34	56.49	-97.04	18.16	4,413.79	2,603.85	2,514.24	89.61	29.058		
9,100.00	6,899.62	7,160.00	6,973.07	71.90	56.47	-96.60	18.28	4,414.16	2,512.17	2,420.92	91.25	27.531		
9,200.00	6,899.88	7,152.62	6,965.69	74.48	56.46	-96.19	18.40	4,414.50	2,421.14	2,328.08	93.06	26.016		
9,300.00	6,900.14	7,145.71	6,958.79	77.08	56.44	-95.81	18.51	4,414.81	2,330.83	2,235.76	95.07	24.517		
9,400.00	6,900.41	7,139.23	6,952.32	79.70	56.42	-95.44	18.61	4,415.09	2,241.33	2,144.05	97.29	23.039		
9,500.00	6,900.67	7,133.15	6,946.24	82.33	56.41	-95.10	18.72	4,415.35	2,152.75	2,053.02	99.73	21.586		
9,600.00	6,900.93	7,127.42	6,940.52	84.97	56.40	-94.78	18.81	4,415.58	2,065.19	1,962.77	102.42	20.163		
9,700.00	6,901.19	7,122.02	6,935.12	87.63	56.38	-94.48	18.90	4,415.80	1,978.81	1,873.41	105.39	18.776		
9,800.00	6,901.45	7,116.91	6,930.02	90.31	56.37	-94.19	18.99	4,415.99	1,893.75	1,785.10	108.66	17.429		
9,900.00	6,901.72	7,112.09	6,925.20	92.99	56.36	-93.92	19.08	4,416.18	1,810.22	1,697.98	112.24	16.128		
10,000.00	6,901.98	7,107.51	6,920.63	95.68	56.35	-93.66	19.16	4,416.34	1,728.42	1,612.26	116.16	14.880		
10,100.00	6,902.24	7,103.17	6,916.29	98.38	56.34	-93.42	19.23	4,416.50	1,648.62	1,528.18	120.44	13.688		
10,200.00	6,902.50	7,099.17	6,912.30	101.09	56.33	-93.19	19.30	4,416.64	1,571.13	1,446.03	125.10	12.559		
10,300.00	6,902.76	7,095.69	6,908.82	103.81	56.32	-93.00	19.37	4,416.76	1,496.31	1,366.16	130.15	11.497		
10,400.00	6,903.03	7,092.27	6,905.40	106.53	56.31	-92.81	19.43	4,416.88	1,424.56	1,289.00	135.57	10.508		
10,500.00	6,903.29	7,088.91	6,902.04	109.26	56.30	-92.62	19.49	4,416.99	1,356.40	1,215.06	141.33	9.597		
10,600.00	6,903.55	7,085.61	6,898.74	112.00	56.30	-92.43	19.55	4,417.10	1,292.37	1,144.97	147.39	8.768		
10,700.00	6,903.81	7,082.36	6,895.50	114.75	56.29	-92.25	19.61	4,417.21	1,233.13	1,079.47	153.66	8.025		
10,800.00	6,904.08	7,079.17	6,892.31	117.49	56.28	-92.07	19.66	4,417.32	1,179.39	1,019.41	159.99	7.372		
10,900.00	6,904.34	7,076.03	6,889.17	120.25	56.27	-91.89	19.72	4,417.42	1,131.95	965.77	166.18	6.811		
11,000.00	6,904.60	7,072.94	6,886.09	123.00	56.27	-91.72	19.78	4,417.52	1,091.63	919.62	172.01	6.346		
11,100.00	6,904.86	7,069.91	6,883.05	125.77	56.26	-91.55	19.83	4,417.62	1,059.23	882.05	177.18	5.978		
11,200.00	6,905.12	7,066.92	6,880.07	128.53	56.25	-91.38	19.89	4,417.72	1,035.50	854.11	181.38	5.709		
11,300.00	6,905.39	7,063.98	6,877.13	131.30	56.25	-91.21	19.94	4,417.81	1,021.04	836.68	184.37	5.538		
11,398.75	6,905.64	7,061.13	6,874.28	134.04	56.24	-91.05	19.99	4,417.90	1,016.26	830.34	185.92	5.466 CC		
11,400.00	6,905.65	7,061.09	6,874.25	134.08	56.24	-91.05	19.99	4,417.90	1,016.26	830.33	185.93	5.466 ES, SF		
11,500.00	6,905.91	7,058.25	6,871.40	136.85	56.23	-90.89	20.05	4,417.99	1,021.29	835.29	186.00	5.491		
11,600.00	6,906.17	7,055.45	6,868.60	139.63	56.23	-90.73	20.10	4,418.08	1,035.98	851.34	184.64	5.611		
11,700.00	6,906.43	7,052.69	6,865.85	142.42	56.22	-90.58	20.15	4,418.17	1,059.94	877.90	182.04	5.823		
11,800.00	6,906.70	7,049.98	6,863.14	145.20	56.21	-90.42	20.20	4,418.25	1,092.55	914.10	178.45	6.123		
11,900.00	6,906.96	7,047.31	6,860.47	147.99	56.21	-90.27	20.25	4,418.33	1,133.07	958.91	174.16	6.506		
12,000.00	6,907.22	7,044.68	6,857.84	150.78	56.20	-90.12	20.30	4,418.41	1,180.68	1,011.23	169.45	6.968		
12,100.00	6,907.48	7,042.09	6,855.25	153.57	56.20	-89.98	20.35	4,418.49	1,234.57	1,069.99	164.57	7.502		
12,200.00	6,907.74	7,039.54	6,852.70	156.37	56.19	-89.83	20.39	4,418.57	1,293.94	1,134.24	159.71	8.102		
12,300.00	6,908.01	7,037.03	6,850.19	159.17	56.19	-89.69	20.44	4,418.64	1,358.09	1,203.11	154.98	8.763		
12,400.00	6,908.27	7,034.55	6,847.72	161.97	56.18	-89.55	20.49	4,418.72	1,426.37	1,275.88	150.48	9.479		
12,500.00	6,908.53	7,032.11	6,845.28	164.77	56.17	-89.42	20.53	4,418.79	1,498.20	1,351.94	146.26	10.243		
12,600.00	6,908.79	7,029.71	6,842.88	167.57	56.17	-89.28	20.58	4,418.86	1,573.12	1,430.78	142.34	11.052		
12,700.00	6,909.06	7,027.34	6,840.51	170.38	56.16	-89.15	20.62	4,418.93	1,650.69	1,511.97	138.72	11.900		
12,800.00	6,909.32	7,025.01	6,838.18	173.18	56.16	-89.02	20.67	4,418.99	1,730.56	1,595.17	135.39	12.782		
12,900.00	6,909.58	7,022.71	6,835.88	175.99	56.15	-88.89	20.71	4,419.06	1,812.42	1,680.09	132.34	13.696		
13,000.00	6,909.84	7,020.44	6,833.61	178.80	56.15	-88.76	20.75	4,419.12	1,896.02	1,766.49	129.54	14.637		
13,100.00	6,910.10	7,018.20	6,831.38	181.61	56.14	-88.63	20.79	4,419.19	1,981.14	1,854.17	126.97	15.603		
13,200.00	6,910.37	7,016.00	6,829.18	184.42	56.14	-88.51	20.84	4,419.25	2,067.59	1,942.97	124.63	16.590		
13,300.00	6,910.63	7,020.22	6,833.40	187.24	56.15	-88.75	20.75	4,419.16	2,155.19	2,032.71	122.48	17.597		
13,400.00	6,910.89	7,017.39	6,830.57	190.05	56.14	-88.59	20.80	4,419.24	2,243.85	2,123.35	120.50	18.621		
13,500.00	6,911.15	7,014.50	6,827.68	192.87	56.13	-88.42	20.86	4,419.31	2,333.42	2,214.74	118.68	19.662		
13,600.00	6,911.41	7,011.55	6,824.73	195.68	56.13	-88.26	20.92	4,419.38	2,423.80	2,306.81	117.00	20.716		
13,700.00	6,911.68	7,008.52	6,821.71	198.50	56.12	-88.09	20.98	4,419.46	2,514.92	2,399.47	115.45	21.784		
13,800.00	6,911.94	7,005.43	6,818.62	201.32	56.11	-87.91	21.04	4,419.54	2,606.68	2,492.66	114.02	22.862		
13,900.00	6,912.20	7,002.27	6,815.45	204.14	56.11	-87.74	21.10	4,419.63	2,699.02	2,586.33	112.69	23.951		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	6,912.46	6,999.03	6,812.22	206.96	56.10	-87.56	21.16	4,419.71	2,791.89	2,680.43	111.46	25.048		
14,100.00	6,912.72	6,995.72	6,808.91	209.78	56.09	-87.37	21.22	4,419.80	2,885.23	2,774.91	110.32	26.154		
14,200.00	6,912.99	6,992.33	6,805.52	212.61	56.08	-87.18	21.29	4,419.89	2,979.00	2,869.75	109.25	27.267		
14,300.00	6,913.25	6,988.85	6,802.05	215.43	56.08	-86.98	21.35	4,419.99	3,073.16	2,964.90	108.26	28.387		
14,400.00	6,913.51	6,985.29	6,798.49	218.26	56.07	-86.78	21.42	4,420.09	3,167.68	3,060.34	107.33	29.512		
14,500.00	6,913.77	6,981.64	6,794.84	221.08	56.06	-86.58	21.49	4,420.19	3,262.52	3,156.05	106.47	30.643		
14,600.00	6,914.04	6,977.91	6,791.11	223.91	56.05	-86.37	21.56	4,420.30	3,357.66	3,252.00	105.66	31.778		
14,700.00	6,914.30	6,974.07	6,787.27	226.73	56.04	-86.16	21.63	4,420.41	3,453.06	3,348.17	104.90	32.918		
14,800.00	6,914.56	6,970.14	6,783.34	229.56	56.03	-85.94	21.70	4,420.52	3,548.72	3,444.54	104.19	34.061		
14,900.00	6,914.82	6,966.11	6,779.31	232.39	56.02	-85.71	21.77	4,420.64	3,644.61	3,541.10	103.52	35.208		
15,000.00	6,915.08	6,961.96	6,775.17	235.22	56.01	-85.48	21.84	4,420.76	3,740.71	3,637.83	102.89	36.357		
15,100.00	6,915.35	6,957.71	6,770.92	238.05	56.01	-85.24	21.92	4,420.89	3,837.01	3,734.72	102.30	37.509		
15,200.00	6,915.61	6,953.35	6,766.56	240.88	56.00	-85.00	21.99	4,421.03	3,933.49	3,831.75	101.74	38.663		
15,300.00	6,915.87	6,948.86	6,762.08	243.71	55.99	-84.75	22.07	4,421.16	4,030.14	3,928.93	101.21	39.819		
15,400.00	6,916.13	6,944.25	6,757.47	246.54	55.97	-84.49	22.15	4,421.31	4,126.94	4,026.23	100.71	40.977		
15,500.00	6,916.39	6,939.50	6,752.73	249.37	55.96	-84.23	22.23	4,421.46	4,223.89	4,123.65	100.25	42.136		
15,600.00	6,916.66	6,934.62	6,747.85	252.20	55.95	-83.96	22.31	4,421.62	4,320.98	4,221.18	99.80	43.296		
15,700.00	6,916.92	6,929.60	6,742.83	255.03	55.94	-83.68	22.40	4,421.78	4,418.19	4,318.81	99.38	44.457		
15,800.00	6,917.18	6,924.44	6,737.67	257.87	55.93	-83.39	22.48	4,421.95	4,515.52	4,416.54	98.98	45.619		
15,900.00	6,917.44	6,919.11	6,732.35	260.70	55.92	-83.10	22.57	4,422.13	4,612.97	4,514.36	98.61	46.781		
16,000.00	6,917.70	6,913.63	6,726.87	263.53	55.91	-82.80	22.66	4,422.31	4,710.51	4,612.26	98.25	47.944		
16,100.00	6,917.97	6,907.97	6,721.22	266.37	55.89	-82.48	22.75	4,422.51	4,808.15	4,710.24	97.91	49.107		
16,200.00	6,918.23	6,902.14	6,715.39	269.20	55.88	-82.16	22.84	4,422.71	4,905.89	4,808.30	97.59	50.271		
16,300.00	6,918.49	6,898.21	6,711.47	272.04	55.87	-81.95	22.90	4,422.85	5,003.71	4,906.42	97.29	51.432		
16,400.00	6,918.75	6,895.44	6,708.69	274.87	55.86	-81.79	22.94	4,422.95	5,101.61	5,004.61	97.01	52.591		
16,500.00	6,919.02	6,892.68	6,705.94	277.71	55.86	-81.64	22.98	4,423.04	5,199.59	5,102.85	96.74	53.750		
16,600.00	6,919.28	6,889.94	6,703.20	280.55	55.85	-81.49	23.03	4,423.14	5,297.65	5,201.16	96.48	54.908		
16,700.00	6,919.54	6,887.22	6,700.48	283.38	55.85	-81.34	23.07	4,423.23	5,395.77	5,299.53	96.24	56.065		
16,800.00	6,919.80	6,884.52	6,697.78	286.22	55.84	-81.19	23.11	4,423.33	5,493.96	5,397.95	96.01	57.221		
16,900.00	6,920.06	6,881.83	6,695.09	289.06	55.83	-81.05	23.15	4,423.42	5,592.21	5,496.42	95.80	58.376		
17,000.00	6,920.33	6,879.16	6,692.42	291.90	55.83	-80.90	23.19	4,423.51	5,690.53	5,594.93	95.59	59.530		
17,100.00	6,920.59	6,876.50	6,689.77	294.73	55.82	-80.76	23.23	4,423.60	5,788.89	5,693.50	95.40	60.683		
17,200.00	6,920.85	6,873.86	6,687.13	297.57	55.82	-80.61	23.27	4,423.70	5,887.32	5,792.10	95.21	61.834		
17,300.00	6,921.11	6,871.24	6,684.51	300.41	55.81	-80.47	23.31	4,423.79	5,985.79	5,890.75	95.04	62.984		
17,400.00	6,921.37	6,868.64	6,681.91	303.25	55.80	-80.33	23.35	4,423.87	6,084.31	5,989.44	94.87	64.132		
17,500.00	6,921.64	6,866.05	6,679.32	306.09	55.80	-80.19	23.39	4,423.96	6,182.88	6,088.16	94.72	65.279		
17,600.00	6,921.90	6,863.48	6,676.75	308.93	55.79	-80.05	23.43	4,424.05	6,281.49	6,186.92	94.57	66.424		
17,638.91	6,922.00	6,862.48	6,675.76	310.03	55.79	-79.99	23.44	4,424.08	6,319.87	6,225.36	94.51	66.869		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	1,291.48	1,269.20	3.28	10.14	97.06	-670.11	5,409.63	5,608.33					
100.00	100.00	1,444.24	1,414.49	3.28	11.98	97.38	-695.13	5,369.63	5,583.72	5,571.00	12.73	438.795		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	97.50	-704.87	5,355.14	5,559.68	5,546.47	13.21	420.911		
300.00	299.98	1,554.89	1,519.64	3.44	13.29	-99.81	-714.71	5,341.24	5,536.68	5,522.94	13.74	403.072		
400.00	399.84	1,621.54	1,583.18	3.59	14.05	-100.14	-726.35	5,324.83	5,514.94	5,500.53	14.41	382.802		
500.00	499.45	1,719.23	1,676.37	3.79	15.13	-100.43	-743.35	5,300.98	5,494.07	5,478.69	15.38	357.337		
600.00	598.70	1,938.95	1,885.70	4.04	17.66	-100.69	-779.50	5,244.90	5,472.54	5,455.15	17.39	314.774		
660.50	658.52	1,973.08	1,918.23	4.20	18.06	-100.94	-784.66	5,235.97	5,459.40	5,441.60	17.80	306.776		
700.00	697.51	2,000.00	1,943.92	4.31	18.37	-100.93	-788.73	5,229.02	5,451.05	5,432.94	18.11	301.003		
800.00	796.22	2,084.28	2,024.36	4.63	19.33	-100.90	-801.69	5,207.45	5,430.14	5,411.09	19.06	284.963		
900.00	894.93	2,158.22	2,094.90	4.98	20.16	-100.88	-813.39	5,188.67	5,409.49	5,389.53	19.96	271.059		
1,000.00	993.64	2,224.10	2,157.81	5.34	20.89	-100.86	-824.01	5,172.24	5,389.34	5,368.52	20.82	258.802		
1,100.00	1,092.35	2,283.52	2,214.57	5.73	21.53	-100.83	-834.05	5,157.78	5,369.86	5,348.20	21.67	247.843		
1,200.00	1,191.06	2,458.42	2,382.01	6.13	23.39	-100.78	-861.12	5,115.18	5,350.36	5,326.99	23.37	228.968		
1,300.00	1,289.78	2,542.34	2,462.45	6.54	24.27	-100.77	-872.31	5,094.04	5,329.71	5,305.34	24.37	218.716		
1,400.00	1,388.49	2,600.00	2,517.68	6.95	24.88	-100.76	-880.98	5,079.94	5,309.87	5,284.67	25.20	210.694		
1,500.00	1,487.20	2,941.79	2,843.07	7.38	28.99	-100.68	-930.78	4,988.12	5,286.46	5,258.20	28.27	187.016		
1,600.00	1,585.91	3,116.98	3,008.40	7.81	31.41	-100.62	-957.07	4,936.50	5,261.61	5,231.43	30.18	174.361		
1,700.00	1,684.62	3,222.03	3,107.40	8.25	32.91	-100.59	-971.95	4,904.65	5,235.84	5,204.34	31.50	166.208		
1,800.00	1,783.33	3,270.86	3,153.57	8.70	33.58	-100.58	-978.42	4,890.17	5,210.67	5,178.32	32.35	161.065		
1,900.00	1,882.04	1,900.00	3,254.02	9.15	14.99	-100.56	-993.00	4,859.05	5,185.89	5,164.63	21.26	243.942		
2,000.00	1,980.75	3,453.07	3,325.76	9.60	36.09	-100.54	-1,004.32	4,836.50	5,160.95	5,126.17	34.78	148.381		
2,100.00	2,079.46	3,500.00	3,370.18	10.05	36.73	-100.52	-1,011.23	4,823.04	5,136.92	5,101.25	35.66	144.037		
2,200.00	2,178.17	4,127.69	3,957.49	10.51	46.97	-100.44	-1,090.25	4,618.79	5,110.84	5,069.60	41.24	123.941		
2,300.00	2,276.88	4,200.00	4,023.33	10.97	48.59	-100.39	-1,101.98	4,591.27	5,077.52	5,034.94	42.58	119.233		
2,400.00	2,375.59	4,234.60	4,054.97	11.43	49.28	-100.36	-1,107.44	4,578.38	5,044.99	5,001.50	43.49	116.011		
2,500.00	2,474.31	4,268.36	4,086.04	11.89	49.96	-100.35	-1,112.56	4,566.22	5,013.60	4,969.22	44.38	112.961		
2,600.00	2,573.02	4,311.27	4,125.80	12.36	50.80	-100.33	-1,118.77	4,551.31	4,983.37	4,938.01	45.36	109.864		
2,700.00	2,671.73	4,441.35	4,246.38	12.82	53.21	-100.28	-1,136.93	4,506.05	4,953.07	4,905.97	47.10	105.157		
2,800.00	2,770.44	4,500.00	4,300.54	13.29	54.32	-100.25	-1,145.95	4,485.43	4,922.75	4,874.51	48.23	102.063		
2,900.00	2,869.15	4,558.93	4,354.98	13.76	55.41	-100.21	-1,155.71	4,465.07	4,893.13	4,843.73	49.40	99.047		
3,000.00	2,967.86	4,600.00	4,393.03	14.23	56.18	-100.18	-1,162.79	4,451.33	4,864.60	4,814.20	50.40	96.528		
3,100.00	3,066.57	4,651.31	4,440.69	14.70	57.05	-100.14	-1,171.90	4,434.64	4,837.05	4,785.56	51.49	93.948		
3,200.00	3,165.28	4,700.00	4,486.01	15.17	57.88	-100.10	-1,180.78	4,419.24	4,810.44	4,757.89	52.55	91.533		
3,300.00	3,263.99	4,743.82	4,526.99	15.64	58.53	-100.06	-1,188.60	4,405.85	4,784.85	4,731.32	53.52	89.396		
3,400.00	3,362.70	4,800.00	4,579.92	16.11	59.36	-100.03	-1,197.85	4,389.43	4,760.37	4,705.76	54.60	87.184		
3,500.00	3,461.41	4,839.30	4,617.18	16.59	59.85	-100.01	-1,203.74	4,378.41	4,736.84	4,681.39	55.45	85.429		
3,600.00	3,560.12	4,900.00	4,675.06	17.06	60.60	-100.01	-1,211.74	4,361.99	4,714.24	4,657.80	56.44	83.526		
3,700.00	3,658.84	4,900.00	4,675.06	17.53	60.60	-100.01	-1,211.74	4,361.99	4,692.97	4,635.98	56.98	82.357		
3,800.00	3,757.55	4,961.14	4,733.86	18.01	61.18	-100.02	-1,218.57	4,346.69	4,672.53	4,614.67	57.85	80.764		
3,900.00	3,856.26	5,000.00	4,771.52	18.48	61.55	-100.03	-1,222.30	4,337.86	4,653.74	4,595.15	58.59	79.427		
4,000.00	3,954.97	5,077.28	4,846.63	18.96	62.16	-100.07	-1,229.23	4,321.03	4,635.89	4,576.43	59.46	77.963		
4,100.00	4,053.68	5,133.27	4,901.10	19.44	62.57	-100.10	-1,234.12	4,309.02	4,618.45	4,558.24	60.22	76.695		
4,200.00	4,152.39	5,200.00	4,966.29	19.91	63.03	-100.14	-1,239.35	4,295.80	4,602.29	4,541.29	61.00	75.445		
4,300.00	4,251.10	5,200.00	4,966.29	20.39	63.03	-100.14	-1,239.35	4,295.80	4,587.15	4,525.66	61.49	74.602		
4,400.00	4,349.81	5,253.11	5,018.42	20.87	63.31	-100.19	-1,243.01	4,286.35	4,573.31	4,511.16	62.15	73.585		
4,500.00	4,448.52	5,300.00	5,064.64	21.34	63.56	-100.24	-1,245.86	4,278.95	4,560.95	4,498.18	62.78	72.651		
4,600.00	4,547.23	5,327.94	5,092.24	21.82	63.66	-100.27	-1,247.39	4,274.94	4,549.89	4,486.58	63.31	71.872		
4,700.00	4,645.94	5,367.79	5,131.69	22.30	63.81	-100.31	-1,249.40	4,269.68	4,540.17	4,476.31	63.86	71.100		
4,800.00	4,744.65	5,400.00	5,163.64	22.78	63.93	-100.35	-1,250.86	4,265.82	4,531.78	4,467.41	64.37	70.404		
4,900.00	4,843.37	5,458.17	5,221.43	23.26	64.10	-100.43	-1,253.17	4,259.60	4,524.54	4,459.61	64.93	69.681		
5,000.00	4,942.08	5,500.00	5,263.05	23.74	64.22	-100.49	-1,254.57	4,255.64	4,518.46	4,453.03	65.44	69.051		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	5,040.79	5,561.16	5,323.96	24.21	64.36	-100.58	-1,256.35	4,250.52	4,513.43	4,447.45	65.98	68.409		
5,200.00	5,139.50	5,600.00	5,362.69	24.69	64.45	-100.64	-1,257.38	4,247.66	4,509.49	4,443.05	66.44	67.872		
5,300.00	5,238.21	5,668.55	5,431.08	25.17	64.59	-100.75	-1,259.04	4,243.31	4,506.49	4,439.51	66.98	67.280		
5,400.00	5,336.92	5,700.00	5,462.47	25.65	64.65	-100.81	-1,259.75	4,241.61	4,504.68	4,437.28	67.40	66.839		
5,500.00	5,435.63	5,764.59	5,527.00	26.13	64.77	-100.92	-1,260.89	4,238.91	4,503.87	4,435.97	67.90	66.331		
5,508.95	5,444.46	5,768.67	5,531.08	26.17	64.77	-100.92	-1,260.94	4,238.77	4,503.87	4,435.93	67.94	66.293		
5,600.00	5,534.34	5,817.06	5,579.44	26.61	64.86	-101.01	-1,261.40	4,237.53	4,504.36	4,436.00	68.35	65.899		
5,700.00	5,633.05	5,893.66	5,656.02	27.09	64.98	-101.16	-1,261.86	4,236.04	4,505.58	4,436.71	68.87	65.417		
5,800.00	5,731.76	5,965.65	5,728.01	27.57	65.10	-101.30	-1,262.16	4,235.05	4,507.40	4,438.02	69.38	64.968		
5,900.00	5,830.47	6,048.69	5,811.05	28.05	65.23	-101.46	-1,262.46	4,234.37	4,509.79	4,439.87	69.92	64.500		
6,000.00	5,929.18	6,138.80	5,901.16	28.53	65.38	-101.63	-1,262.78	4,233.79	4,512.43	4,441.94	70.49	64.018		
6,100.00	6,027.90	6,224.83	5,987.18	29.01	65.52	-101.80	-1,263.12	4,233.47	4,515.37	4,444.33	71.04	63.560		
6,200.00	6,126.61	6,313.56	6,075.92	29.49	65.67	-101.97	-1,263.51	4,233.37	4,518.63	4,447.02	71.61	63.102		
6,300.00	6,225.32	6,415.30	6,177.65	29.97	65.84	-102.17	-1,263.97	4,233.29	4,521.98	4,449.76	72.23	62.609		
6,311.21	6,236.38	6,425.65	6,188.01	30.03	65.86	-102.19	-1,264.01	4,233.29	4,522.36	4,450.07	72.29	62.557		
6,350.00	6,274.70	6,461.53	6,223.88	30.21	65.92	-80.26	-1,264.14	4,233.27	4,522.51	4,449.99	72.52	62.365		
6,400.00	6,324.03	6,506.78	6,269.13	30.43	66.00	-54.68	-1,264.26	4,233.29	4,519.27	4,446.48	72.80	62.081		
6,450.00	6,373.00	6,547.18	6,309.53	30.65	66.07	-37.82	-1,264.34	4,233.36	4,512.23	4,439.18	73.05	61.772		
6,500.00	6,421.31	6,587.06	6,349.42	30.84	66.14	-27.60	-1,264.40	4,233.52	4,501.44	4,428.15	73.29	61.423		
6,550.00	6,468.66	6,632.75	6,395.10	31.03	66.21	-21.15	-1,264.47	4,233.75	4,486.93	4,413.39	73.54	61.015		
6,600.00	6,514.76	6,680.39	6,442.74	31.20	66.30	-16.80	-1,264.56	4,233.99	4,468.73	4,394.94	73.79	60.558		
6,650.00	6,559.32	6,728.10	6,490.45	31.37	66.38	-13.69	-1,264.66	4,234.21	4,446.93	4,372.89	74.04	60.061		
6,700.00	6,602.08	6,775.00	6,537.35	31.52	66.47	-11.34	-1,264.69	4,234.38	4,421.65	4,347.37	74.28	59.527		
6,750.00	6,642.77	6,814.41	6,576.76	31.65	66.54	-9.47	-1,264.67	4,234.51	4,393.05	4,318.57	74.48	58.980		
6,800.00	6,681.13	6,845.41	6,607.76	31.78	66.59	-7.89	-1,264.72	4,234.65	4,361.39	4,286.74	74.65	58.424		
6,850.00	6,716.93	6,874.46	6,636.81	31.89	66.64	-6.51	-1,264.82	4,234.82	4,326.87	4,252.07	74.80	57.843		
6,900.00	6,749.95	6,900.00	6,662.35	31.99	66.69	-5.22	-1,264.96	4,235.00	4,289.69	4,214.75	74.94	57.243		
6,950.00	6,779.98	6,900.00	6,662.35	32.08	66.69	-3.91	-1,264.96	4,235.00	4,250.15	4,175.19	74.96	56.696		
7,000.00	6,806.85	6,900.00	6,662.35	32.16	66.69	-2.53	-1,264.96	4,235.00	4,208.54	4,133.56	74.98	56.126		
7,050.00	6,830.38	6,900.00	6,662.35	32.24	66.69	-0.98	-1,264.96	4,235.00	4,165.06	4,090.06	75.00	55.535		
7,100.00	6,850.43	6,900.00	6,662.35	32.35	66.69	0.93	-1,264.96	4,235.00	4,119.91	4,044.90	75.01	54.925		
7,150.00	6,866.88	6,900.00	6,662.35	32.59	66.69	3.51	-1,264.96	4,235.00	4,073.33	3,998.31	75.02	54.297		
7,200.00	6,879.62	6,900.00	6,662.35	32.99	66.69	7.37	-1,264.96	4,235.00	4,025.55	3,950.52	75.03	53.654		
7,250.00	6,888.58	6,900.00	6,662.35	33.48	66.69	14.05	-1,264.96	4,235.00	3,976.84	3,901.80	75.04	52.996		
7,300.00	6,893.70	6,900.00	6,662.35	34.02	66.69	28.28	-1,264.96	4,235.00	3,927.47	3,852.41	75.06	52.325		
7,339.40	6,895.01	6,900.00	6,662.35	34.48	66.69	54.33	-1,264.96	4,235.00	3,888.28	3,813.20	75.08	51.790		
7,400.00	6,895.16	6,900.00	6,662.35	35.24	66.69	54.33	-1,264.96	4,235.00	3,827.91	3,752.79	75.11	50.964		
7,500.00	6,895.43	6,900.00	6,662.35	36.64	66.69	54.33	-1,264.96	4,235.00	3,728.29	3,653.12	75.17	49.599		
7,600.00	6,895.69	6,900.00	6,662.35	38.20	66.69	54.33	-1,264.96	4,235.00	3,628.69	3,553.46	75.23	48.234		
7,700.00	6,895.95	6,900.00	6,662.35	39.91	66.69	54.33	-1,264.96	4,235.00	3,529.12	3,453.82	75.30	46.867		
7,800.00	6,896.21	6,900.00	6,662.35	41.75	66.69	54.33	-1,264.96	4,235.00	3,429.57	3,354.20	75.38	45.498		
7,900.00	6,896.47	6,900.00	6,662.35	43.69	66.69	54.33	-1,264.96	4,235.00	3,330.05	3,254.59	75.46	44.128		
8,000.00	6,896.74	6,900.00	6,662.35	45.73	66.69	54.33	-1,264.96	4,235.00	3,230.56	3,155.01	75.56	42.756		
8,100.00	6,897.00	6,900.00	6,662.35	47.85	66.69	54.33	-1,264.96	4,235.00	3,131.11	3,055.44	75.66	41.383		
8,200.00	6,897.26	6,900.00	6,662.35	50.04	66.69	54.33	-1,264.96	4,235.00	3,031.68	2,955.91	75.78	40.009		
8,300.00	6,897.52	6,900.00	6,662.35	52.30	66.69	54.33	-1,264.96	4,235.00	2,932.30	2,856.40	75.90	38.632		
8,400.00	6,897.78	6,900.00	6,662.35	54.61	66.69	54.33	-1,264.96	4,235.00	2,832.96	2,756.92	76.04	37.254		
8,500.00	6,898.05	6,900.00	6,662.35	56.98	66.69	54.33	-1,264.96	4,235.00	2,733.67	2,657.47	76.20	35.875		
8,600.00	6,898.31	6,900.00	6,662.35	59.38	66.69	54.33	-1,264.96	4,235.00	2,634.43	2,558.05	76.38	34.493		
8,700.00	6,898.57	6,900.00	6,662.35	61.82	66.69	54.33	-1,264.96	4,235.00	2,535.25	2,458.68	76.57	33.109		
8,800.00	6,898.83	6,900.00	6,662.35	64.30	66.69	54.33	-1,264.96	4,235.00	2,436.14	2,359.35	76.79	31.723		
8,900.00	6,899.10	6,900.00	6,662.35	66.81	66.69	54.33	-1,264.96	4,235.00	2,337.11	2,260.06	77.04	30.335		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	6,900.00	6,662.35	69.34	66.69	54.33	-1,264.96	4,235.00	2,238.16	2,160.83	77.33	28.944		
9,100.00	6,899.62	6,900.00	6,662.35	71.90	66.69	54.33	-1,264.96	4,235.00	2,139.31	2,061.66	77.65	27.551		
9,200.00	6,899.88	6,900.00	6,662.35	74.48	66.69	54.33	-1,264.96	4,235.00	2,040.57	1,962.55	78.02	26.155		
9,300.00	6,900.14	6,900.00	6,662.35	77.08	66.69	54.33	-1,264.96	4,235.00	1,941.95	1,863.51	78.44	24.756		
9,400.00	6,900.41	6,900.00	6,662.35	79.70	66.69	54.33	-1,264.96	4,235.00	1,843.49	1,764.56	78.94	23.354		
9,500.00	6,900.67	6,900.00	6,662.35	82.33	66.69	54.33	-1,264.96	4,235.00	1,745.21	1,665.69	79.51	21.948		
9,600.00	6,900.93	6,900.00	6,662.35	84.97	66.69	54.33	-1,264.96	4,235.00	1,647.13	1,566.94	80.19	20.540		
9,700.00	6,901.19	6,900.00	6,662.35	87.63	66.69	54.33	-1,264.96	4,235.00	1,549.29	1,468.30	81.00	19.128		
9,800.00	6,901.45	6,900.00	6,662.35	90.31	66.69	54.33	-1,264.96	4,235.00	1,451.75	1,369.80	81.95	17.714		
9,900.00	6,901.72	6,900.00	6,662.35	92.99	66.69	54.33	-1,264.96	4,235.00	1,354.57	1,271.46	83.11	16.298		
10,000.00	6,901.98	6,900.00	6,662.35	95.68	66.69	54.33	-1,264.96	4,235.00	1,257.84	1,173.32	84.52	14.883		
10,100.00	6,902.24	6,900.00	6,662.35	98.38	66.69	54.33	-1,264.96	4,235.00	1,161.65	1,075.40	86.25	13.469		
10,200.00	6,902.50	6,900.00	6,662.35	101.09	66.69	54.33	-1,264.96	4,235.00	1,066.17	977.77	88.39	12.062		
10,300.00	6,902.76	6,900.00	6,662.35	103.81	66.69	54.33	-1,264.96	4,235.00	971.59	880.51	91.09	10.667		
10,400.00	6,903.03	6,900.00	6,662.35	106.53	66.69	54.33	-1,264.96	4,235.00	878.22	783.72	94.50	9.293		
10,500.00	6,903.29	6,900.00	6,662.35	109.26	66.69	54.33	-1,264.96	4,235.00	786.48	687.60	98.88	7.954		
10,600.00	6,903.55	6,900.00	6,662.35	112.00	66.69	54.33	-1,264.96	4,235.00	697.02	592.49	104.53	6.668		
10,700.00	6,903.81	6,900.00	6,662.35	114.75	66.69	54.33	-1,264.96	4,235.00	610.83	499.00	111.83	5.462		
10,800.00	6,904.08	6,900.00	6,662.35	117.49	66.69	54.33	-1,264.96	4,235.00	529.52	408.33	121.20	4.369		
10,900.00	6,904.34	6,900.00	6,662.35	120.25	66.69	54.33	-1,264.96	4,235.00	455.72	322.91	132.81	3.431		
11,000.00	6,904.60	6,900.00	6,662.35	123.00	66.69	54.33	-1,264.96	4,235.00	393.65	247.78	145.86	2.699		
11,100.00	6,904.86	6,900.00	6,662.35	125.77	66.69	54.33	-1,264.96	4,235.00	349.63	192.39	157.23	2.224		
11,200.00	6,905.12	6,900.00	6,662.35	128.53	66.69	54.33	-1,264.96	4,235.00	330.94	169.77	161.16	2.053 ES, SF		
11,213.60	6,905.16	6,900.00	6,662.35	128.91	66.69	54.33	-1,264.96	4,235.00	330.66	169.81	160.85	2.056 CC		
11,300.00	6,905.39	6,900.00	6,662.35	131.30	66.69	54.33	-1,264.96	4,235.00	341.76	187.50	154.26	2.216		
11,400.00	6,905.65	6,900.00	6,662.35	134.08	66.69	54.33	-1,264.96	4,235.00	379.58	239.03	140.55	2.701		
11,500.00	6,905.91	6,900.00	6,662.35	136.85	66.69	54.33	-1,264.96	4,235.00	437.45	310.93	126.52	3.458		
11,600.00	6,906.17	6,900.00	6,662.35	139.63	66.69	54.33	-1,264.96	4,235.00	508.57	393.34	115.23	4.414		
11,700.00	6,906.43	6,900.00	6,662.35	142.42	66.69	54.33	-1,264.96	4,235.00	588.15	481.27	106.88	5.503		
11,800.00	6,906.70	6,900.00	6,662.35	145.20	66.69	54.33	-1,264.96	4,235.00	673.20	572.40	100.81	6.678		
11,900.00	6,906.96	6,900.00	6,662.35	147.99	66.69	54.33	-1,264.96	4,235.00	761.89	665.57	96.32	7.910		
12,000.00	6,907.22	6,900.00	6,662.35	150.78	66.69	54.33	-1,264.96	4,235.00	853.09	760.14	92.95	9.178		
12,100.00	6,907.48	6,900.00	6,662.35	153.57	66.69	54.33	-1,264.96	4,235.00	946.07	855.70	90.36	10.469		
12,200.00	6,907.74	6,900.00	6,662.35	156.37	66.69	54.33	-1,264.96	4,235.00	1,040.35	952.00	88.34	11.776		
12,300.00	6,908.01	6,900.00	6,662.35	159.17	66.69	54.33	-1,264.96	4,235.00	1,135.61	1,048.87	86.74	13.092		
12,400.00	6,908.27	6,900.00	6,662.35	161.97	66.69	54.33	-1,264.96	4,235.00	1,231.62	1,146.17	85.45	14.414		
12,500.00	6,908.53	6,900.00	6,662.35	164.77	66.69	54.33	-1,264.96	4,235.00	1,328.22	1,243.82	84.40	15.738		
12,600.00	6,908.79	6,900.00	6,662.35	167.57	66.69	54.33	-1,264.96	4,235.00	1,425.29	1,341.76	83.53	17.063		
12,700.00	6,909.06	6,900.00	6,662.35	170.38	66.69	54.33	-1,264.96	4,235.00	1,522.74	1,439.92	82.81	18.388		
12,800.00	6,909.32	6,900.00	6,662.35	173.18	66.69	54.33	-1,264.96	4,235.00	1,620.50	1,538.28	82.21	19.711		
12,900.00	6,909.58	6,900.00	6,662.35	175.99	66.69	54.33	-1,264.96	4,235.00	1,718.51	1,636.80	81.71	21.032		
13,000.00	6,909.84	6,900.00	6,662.35	178.80	66.69	54.33	-1,264.96	4,235.00	1,816.75	1,735.46	81.28	22.351		
13,100.00	6,910.10	6,900.00	6,662.35	181.61	66.69	54.33	-1,264.96	4,235.00	1,915.16	1,834.24	80.92	23.667		
13,200.00	6,910.37	6,900.00	6,662.35	184.42	66.69	54.33	-1,264.96	4,235.00	2,013.74	1,933.12	80.61	24.980		
13,300.00	6,910.63	6,900.00	6,662.35	187.24	66.69	54.33	-1,264.96	4,235.00	2,112.44	2,032.09	80.35	26.290		
13,400.00	6,910.89	6,900.00	6,662.35	190.05	66.69	54.33	-1,264.96	4,235.00	2,211.26	2,131.14	80.13	27.597		
13,500.00	6,911.15	6,900.00	6,662.35	192.87	66.69	54.33	-1,264.96	4,235.00	2,310.19	2,230.25	79.94	28.901		
13,600.00	6,911.41	6,900.00	6,662.35	195.68	66.69	54.33	-1,264.96	4,235.00	2,409.20	2,329.43	79.77	30.201		
13,700.00	6,911.68	6,900.00	6,662.35	198.50	66.69	54.33	-1,264.96	4,235.00	2,508.29	2,428.66	79.63	31.498		
13,800.00	6,911.94	6,900.00	6,662.35	201.32	66.69	54.33	-1,264.96	4,235.00	2,607.45	2,527.94	79.52	32.791		
13,900.00	6,912.20	6,900.00	6,662.35	204.14	66.69	54.33	-1,264.96	4,235.00	2,706.68	2,627.26	79.42	34.082		
14,000.00	6,912.46	6,900.00	6,662.35	206.96	66.69	54.33	-1,264.96	4,235.00	2,805.95	2,726.62	79.34	35.368		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	6,900.00	6,662.35	209.78	66.69	54.33	-1,264.96	4,235.00	2,905.28	2,826.01	79.27	36.652		
14,200.00	6,912.99	6,900.00	6,662.35	212.61	66.69	54.33	-1,264.96	4,235.00	3,004.65	2,925.44	79.21	37.932		
14,300.00	6,913.25	6,900.00	6,662.35	215.43	66.69	54.33	-1,264.96	4,235.00	3,104.06	3,024.90	79.17	39.209		
14,400.00	6,913.51	6,900.00	6,662.35	218.26	66.69	54.33	-1,264.96	4,235.00	3,203.51	3,124.38	79.13	40.482		
14,500.00	6,913.77	6,900.00	6,662.35	221.08	66.69	54.33	-1,264.96	4,235.00	3,303.00	3,223.88	79.11	41.752		
14,600.00	6,914.04	6,900.00	6,662.35	223.91	66.69	54.33	-1,264.96	4,235.00	3,402.51	3,323.41	79.09	43.018		
14,700.00	6,914.30	6,900.00	6,662.35	226.73	66.69	54.33	-1,264.96	4,235.00	3,502.05	3,422.96	79.09	44.281		
14,800.00	6,914.56	6,900.00	6,662.35	229.56	66.69	54.33	-1,264.96	4,235.00	3,601.61	3,522.53	79.08	45.541		
14,900.00	6,914.82	6,900.00	6,662.35	232.39	66.69	54.33	-1,264.96	4,235.00	3,701.20	3,622.11	79.09	46.798		
15,000.00	6,915.08	6,900.00	6,662.35	235.22	66.69	54.33	-1,264.96	4,235.00	3,800.81	3,721.71	79.10	48.051		
15,100.00	6,915.35	6,900.00	6,662.35	238.05	66.69	54.33	-1,264.96	4,235.00	3,900.44	3,821.33	79.12	49.300		
15,200.00	6,915.61	6,900.00	6,662.35	240.88	66.69	54.33	-1,264.96	4,235.00	4,000.09	3,920.96	79.14	50.546		
15,300.00	6,915.87	6,900.00	6,662.35	243.71	66.69	54.33	-1,264.96	4,235.00	4,099.76	4,020.60	79.16	51.789		
15,400.00	6,916.13	6,900.00	6,662.35	246.54	66.69	54.33	-1,264.96	4,235.00	4,199.44	4,120.25	79.19	53.029		
15,500.00	6,916.39	6,900.00	6,662.35	249.37	66.69	54.33	-1,264.96	4,235.00	4,299.14	4,219.91	79.23	54.265		
15,600.00	6,916.66	6,900.00	6,662.35	252.20	66.69	54.33	-1,264.96	4,235.00	4,398.85	4,319.59	79.26	55.497		
15,700.00	6,916.92	6,900.00	6,662.35	255.03	66.69	54.33	-1,264.96	4,235.00	4,498.57	4,419.27	79.30	56.726		
15,800.00	6,917.18	6,900.00	6,662.35	257.87	66.69	54.33	-1,264.96	4,235.00	4,598.31	4,518.96	79.35	57.952		
15,900.00	6,917.44	6,900.00	6,662.35	260.70	66.69	54.33	-1,264.96	4,235.00	4,698.05	4,618.66	79.39	59.174		
16,000.00	6,917.70	6,900.00	6,662.35	263.53	66.69	54.33	-1,264.96	4,235.00	4,797.81	4,718.37	79.44	60.393		
16,100.00	6,917.97	6,900.00	6,662.35	266.37	66.69	54.33	-1,264.96	4,235.00	4,897.58	4,818.08	79.50	61.608		
16,200.00	6,918.23	6,900.00	6,662.35	269.20	66.69	54.33	-1,264.96	4,235.00	4,997.35	4,917.80	79.55	62.820		
16,300.00	6,918.49	6,900.00	6,662.35	272.04	66.69	54.33	-1,264.96	4,235.00	5,097.14	5,017.53	79.61	64.029		
16,400.00	6,918.75	6,900.00	6,662.35	274.87	66.69	54.33	-1,264.96	4,235.00	5,196.93	5,117.27	79.67	65.234		
16,500.00	6,919.02	6,900.00	6,662.35	277.71	66.69	54.33	-1,264.96	4,235.00	5,296.73	5,217.01	79.73	66.435		
16,600.00	6,919.28	6,900.00	6,662.35	280.55	66.69	54.33	-1,264.96	4,235.00	5,396.54	5,316.75	79.79	67.633		
16,700.00	6,919.54	6,900.00	6,662.35	283.38	66.69	54.33	-1,264.96	4,235.00	5,496.36	5,416.50	79.86	68.828		
16,800.00	6,919.80	6,900.00	6,662.35	286.22	66.69	54.33	-1,264.96	4,235.00	5,596.18	5,516.26	79.92	70.018		
16,900.00	6,920.06	6,900.00	6,662.35	289.06	66.69	54.33	-1,264.96	4,235.00	5,696.01	5,616.01	79.99	71.206		
17,000.00	6,920.33	6,900.00	6,662.35	291.90	66.69	54.33	-1,264.96	4,235.00	5,795.84	5,715.78	80.06	72.390		
17,100.00	6,920.59	6,900.00	6,662.35	294.73	66.69	54.33	-1,264.96	4,235.00	5,895.68	5,815.55	80.14	73.570		
17,200.00	6,920.85	6,900.00	6,662.35	297.57	66.69	54.33	-1,264.96	4,235.00	5,995.53	5,915.32	80.21	74.747		
17,300.00	6,921.11	6,900.00	6,662.35	300.41	66.69	54.33	-1,264.96	4,235.00	6,095.38	6,015.09	80.29	75.920		
17,400.00	6,921.37	6,900.00	6,662.35	303.25	66.69	54.33	-1,264.96	4,235.00	6,195.23	6,114.87	80.36	77.090		
17,500.00	6,921.64	6,900.00	6,662.35	306.09	66.69	54.33	-1,264.96	4,235.00	6,295.09	6,214.65	80.44	78.256		
17,600.00	6,921.90	6,900.00	6,662.35	308.93	66.69	54.33	-1,264.96	4,235.00	6,394.96	6,314.43	80.52	79.418		
17,638.91	6,922.00	6,900.00	6,662.35	310.03	66.69	54.33	-1,264.96	4,235.00	6,433.81	6,353.26	80.55	79.870		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	76.25	128.61	525.57	541.12					
100.00	100.00	100.82	100.82	3.28	3.29	76.26	128.36	524.88	540.40	533.83	6.57	82.214		
200.00	200.00	203.86	203.84	3.34	3.34	76.26	127.86	523.09	538.60	531.93	6.67	80.697		
300.00	299.98	302.92	302.88	3.44	3.44	-120.83	127.02	521.09	537.33	530.45	6.88	78.085		
301.80	301.78	304.61	304.57	3.44	3.44	-120.83	127.01	521.06	537.33	530.44	6.89	78.034 CC, ES		
400.00	399.84	400.77	400.72	3.59	3.60	-121.25	126.47	519.79	538.60	531.41	7.18	74.981		
500.00	499.45	504.09	504.02	3.79	3.81	-122.04	126.18	517.96	541.40	533.81	7.59	71.333		
600.00	598.70	607.36	607.25	4.04	4.06	-123.15	126.03	515.32	545.49	537.41	8.08	67.503		
660.50	658.52	667.55	667.41	4.20	4.22	-123.95	126.16	513.42	548.73	540.32	8.41	65.265		
700.00	697.51	705.67	705.52	4.31	4.32	-124.50	126.03	512.34	551.20	542.57	8.63	63.874		
800.00	796.22	808.82	808.62	4.63	4.64	-125.85	124.67	509.59	557.55	548.30	9.25	60.277		
900.00	894.93	902.95	902.69	4.98	4.94	-127.01	122.85	507.01	563.89	554.00	9.88	57.046		
1,000.00	993.64	998.09	997.81	5.34	5.26	-128.17	121.58	505.23	571.50	560.94	10.56	54.125		
1,100.00	1,092.35	1,100.38	1,100.07	5.73	5.62	-129.42	120.48	503.30	579.45	568.16	11.29	51.323		
1,200.00	1,191.06	1,209.53	1,209.16	6.13	6.02	-130.79	119.52	499.62	586.38	574.30	12.08	48.560		
1,300.00	1,289.78	1,290.24	1,289.81	6.54	6.32	-131.83	119.25	496.67	593.68	580.92	12.76	46.530		
1,400.00	1,388.49	1,378.04	1,377.59	6.95	6.64	-133.01	120.92	495.84	604.51	591.03	13.47	44.871		
1,500.00	1,487.20	1,465.51	1,465.00	7.38	6.95	-134.23	124.05	495.69	617.12	602.93	14.19	43.499		
1,600.00	1,585.91	1,564.37	1,563.69	7.81	7.32	-135.76	129.98	495.52	631.22	616.25	14.97	42.176		
1,700.00	1,684.62	1,654.78	1,653.87	8.25	7.66	-137.17	136.19	494.87	645.74	630.02	15.71	41.092		
1,800.00	1,783.33	1,735.69	1,734.37	8.70	7.97	-138.57	144.29	494.48	662.55	646.13	16.41	40.368		
1,900.00	1,882.04	1,826.28	1,824.30	9.15	8.32	-140.14	155.23	495.25	682.02	664.85	17.17	39.724		
2,000.00	1,980.75	1,921.51	1,918.74	9.60	8.70	-141.78	167.37	495.40	701.92	683.95	17.96	39.072		
2,100.00	2,079.46	2,017.26	2,013.39	10.05	9.10	-143.55	181.84	494.33	722.80	704.02	18.77	38.498		
2,200.00	2,178.17	2,115.55	2,110.52	10.51	9.53	-145.29	196.76	492.64	743.91	724.30	19.61	37.930		
2,300.00	2,276.88	2,217.08	2,210.90	10.97	9.98	-146.99	211.85	490.54	765.20	744.72	20.48	37.358		
2,400.00	2,375.59	2,319.53	2,312.26	11.43	10.44	-148.62	226.49	487.63	786.13	764.76	21.37	36.790		
2,500.00	2,474.31	2,421.75	2,413.41	11.89	10.91	-150.18	240.76	483.89	806.80	784.54	22.26	36.247		
2,600.00	2,573.02	2,519.61	2,510.23	12.36	11.37	-151.62	254.31	479.65	827.43	804.31	23.12	35.784		
2,700.00	2,671.73	2,623.41	2,612.93	12.82	11.85	-153.10	268.48	474.53	848.02	823.98	24.04	35.280		
2,800.00	2,770.44	2,723.02	2,711.49	13.29	12.32	-154.47	281.80	468.87	868.40	843.47	24.93	34.840		
2,900.00	2,869.15	2,823.48	2,810.87	13.76	12.80	-155.82	295.08	462.62	888.75	862.93	25.82	34.415		
3,000.00	2,967.86	2,923.14	2,909.46	14.23	13.28	-157.10	308.01	455.94	909.07	882.35	26.72	34.021		
3,100.00	3,066.57	3,022.03	3,007.30	14.70	13.76	-158.32	320.69	449.07	929.52	901.91	27.62	33.660		
3,200.00	3,165.28	3,115.07	3,099.41	15.17	14.21	-159.41	332.13	442.61	949.96	921.50	28.46	33.373		
3,300.00	3,263.99	3,187.95	3,171.53	15.64	14.57	-160.20	341.79	438.77	972.42	943.27	29.15	33.363		
3,400.00	3,362.70	3,290.74	3,273.22	16.11	15.08	-161.25	356.00	433.93	995.94	965.86	30.07	33.115		
3,500.00	3,461.41	3,391.29	3,372.75	16.59	15.57	-162.23	369.35	428.95	1,019.17	988.18	30.99	32.892		
3,600.00	3,560.12	3,491.26	3,471.74	17.06	16.06	-163.16	382.35	423.72	1,042.28	1,010.39	31.89	32.682		
3,700.00	3,658.84	3,593.45	3,572.98	17.53	16.57	-164.06	395.08	418.16	1,065.06	1,032.25	32.82	32.455		
3,800.00	3,757.55	3,689.68	3,668.37	18.01	17.04	-164.86	406.69	413.08	1,087.83	1,054.14	33.69	32.287		
3,900.00	3,856.26	3,791.36	3,769.11	18.48	17.54	-165.70	419.23	407.25	1,110.81	1,076.19	34.61	32.091		
4,000.00	3,954.97	3,933.54	3,910.30	18.96	18.22	-166.74	433.49	398.61	1,132.02	1,096.18	35.84	31.584		
4,100.00	4,053.68	4,062.90	4,039.25	19.44	18.80	-167.47	440.69	391.64	1,149.84	1,112.92	36.92	31.145		
4,200.00	4,152.39	4,197.22	4,173.45	19.91	19.35	-167.93	440.76	386.32	1,163.27	1,125.30	37.97	30.640		
4,300.00	4,251.10	4,295.99	4,272.15	20.39	19.74	-168.23	440.15	382.87	1,176.74	1,137.93	38.81	30.318		
4,400.00	4,349.81	4,399.21	4,375.34	20.87	20.14	-168.46	438.45	380.40	1,189.86	1,150.18	39.68	29.988		
4,500.00	4,448.52	4,494.45	4,470.53	21.34	20.51	-168.67	436.90	377.97	1,202.94	1,162.44	40.51	29.698		
4,600.00	4,547.23	4,598.89	4,574.96	21.82	20.80	-168.82	436.16	376.77	1,217.08	1,175.86	41.22	29.526		
4,700.00	4,645.94	4,648.04	4,624.09	22.30	21.11	-168.89	436.23	377.92	1,233.48	1,191.54	41.94	29.409		
4,800.00	4,744.65	4,743.54	4,719.58	22.78	21.48	-168.98	436.80	379.41	1,250.44	1,207.68	42.76	29.244		
4,900.00	4,843.37	4,837.08	4,813.11	23.26	21.85	-169.08	437.90	380.74	1,267.83	1,224.26	43.57	29.100		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,942.08	4,935.46	4,911.47	23.74	22.25	-169.20	439.37	381.88	1,285.40	1,240.98	44.41	28.941		
5,100.00	5,040.79	5,034.57	5,010.56	24.21	22.66	-169.33	440.89	382.77	1,302.88	1,257.61	45.27	28.780		
5,200.00	5,139.50	5,132.54	5,108.51	24.69	23.06	-169.47	442.69	383.18	1,320.41	1,274.29	46.12	28.628		
5,300.00	5,238.21	5,232.47	5,208.43	25.17	23.48	-169.63	444.59	383.36	1,337.91	1,290.92	46.99	28.471		
5,400.00	5,336.92	5,332.01	5,307.95	25.65	23.90	-169.80	446.52	383.18	1,355.29	1,307.42	47.86	28.316		
5,500.00	5,435.63	5,428.50	5,404.41	26.13	24.31	-169.98	448.61	382.61	1,372.69	1,323.97	48.72	28.178		
5,600.00	5,534.34	5,521.99	5,497.86	26.61	24.71	-170.18	451.23	381.37	1,390.36	1,340.80	49.55	28.059		
5,700.00	5,633.05	5,622.76	5,628.59	27.09	25.25	-170.40	453.65	380.69	1,407.68	1,357.06	50.62	27.810		
5,800.00	5,731.76	5,742.46	5,718.28	27.57	25.60	-170.46	453.31	381.49	1,423.54	1,372.13	51.41	27.691		
5,900.00	5,830.47	5,836.69	5,812.51	28.05	25.99	-170.56	453.80	381.86	1,439.95	1,387.72	52.24	27.566		
6,000.00	5,929.18	5,933.18	5,909.00	28.53	26.39	-170.68	454.80	381.66	1,456.58	1,403.49	53.09	27.437		
6,100.00	6,027.90	6,032.00	6,007.80	29.01	26.81	-170.84	456.18	380.87	1,473.27	1,419.31	53.96	27.303		
6,200.00	6,126.61	6,125.47	6,101.25	29.49	27.21	-171.00	457.86	379.64	1,490.12	1,435.32	54.80	27.192		
6,300.00	6,225.32	6,227.20	6,202.93	29.97	27.65	-171.21	460.10	377.68	1,507.07	1,451.37	55.70	27.059		
6,311.21	6,236.38	6,241.73	6,217.46	30.03	27.71	-171.24	460.40	377.36	1,508.94	1,453.13	55.81	27.035		
6,350.00	6,274.70	6,292.20	6,267.92	30.21	27.92	-148.90	460.96	376.64	1,514.73	1,458.50	56.22	26.941		
6,400.00	6,324.03	6,338.95	6,314.67	30.43	28.10	-122.98	460.82	376.70	1,520.38	1,463.76	56.62	26.852		
6,450.00	6,373.00	6,370.20	6,345.89	30.65	28.22	-105.91	460.47	377.99	1,524.81	1,467.91	56.90	26.797		
6,500.00	6,421.31	6,401.51	6,377.08	30.84	28.34	-95.64	459.94	380.54	1,528.12	1,470.95	57.17	26.731		
6,550.00	6,468.66	6,417.00	6,392.48	31.03	28.40	-89.14	459.61	382.27	1,530.44	1,473.14	57.30	26.710		
6,600.00	6,514.76	6,454.40	6,429.32	31.20	28.53	-85.06	458.47	388.52	1,531.62	1,474.06	57.56	26.609		
6,650.00	6,559.32	6,479.59	6,453.73	31.37	28.61	-82.22	457.39	394.63	1,531.99	1,474.27	57.72	26.540		
6,700.00	6,602.08	6,512.00	6,484.48	31.52	28.72	-80.34	455.62	404.69	1,531.49	1,473.56	57.94	26.433		
6,750.00	6,642.77	6,535.41	6,506.33	31.65	28.79	-79.02	454.24	412.97	1,529.99	1,471.91	58.08	26.343		
6,800.00	6,681.13	6,567.04	6,535.71	31.78	28.89	-78.30	452.51	424.57	1,527.46	1,469.16	58.30	26.200		
6,850.00	6,716.93	6,607.00	6,572.56	31.89	29.01	-78.13	450.54	439.90	1,523.99	1,465.37	58.62	25.999		
6,900.00	6,749.95	6,607.00	6,572.56	31.99	29.01	-77.66	450.54	439.90	1,519.77	1,461.16	58.61	25.930		
6,950.00	6,779.98	6,646.74	6,608.54	32.08	29.12	-78.10	448.78	456.66	1,514.61	1,455.60	59.01	25.666		
7,000.00	6,806.85	6,669.89	6,628.99	32.16	29.18	-78.47	447.81	467.46	1,509.09	1,449.78	59.31	25.443		
7,050.00	6,830.38	6,703.00	6,657.51	32.24	29.27	-79.22	446.50	484.21	1,503.16	1,443.40	59.77	25.151		
7,100.00	6,850.43	6,718.27	6,670.43	32.35	29.31	-79.77	445.95	492.34	1,496.70	1,436.58	60.13	24.892		
7,150.00	6,866.88	6,744.51	6,692.47	32.59	29.38	-80.71	445.10	506.57	1,489.93	1,429.25	60.67	24.557		
7,200.00	6,879.62	6,769.71	6,713.43	32.99	29.45	-81.78	444.42	520.53	1,482.90	1,421.61	61.29	24.196		
7,250.00	6,888.58	6,798.00	6,736.73	33.48	29.52	-83.05	443.80	536.56	1,475.77	1,413.77	62.00	23.802		
7,300.00	6,893.70	6,823.40	6,757.37	34.02	29.58	-84.35	443.28	551.36	1,468.62	1,405.84	62.78	23.395		
7,339.40	6,895.01	6,847.35	6,776.52	34.48	29.64	-85.56	442.70	565.72	1,463.00	1,399.54	63.46	23.054		
7,400.00	6,895.16	6,885.27	6,806.22	35.24	29.73	-86.73	441.65	589.28	1,455.17	1,390.59	64.57	22.535		
7,500.00	6,895.43	6,930.85	6,840.74	36.64	29.94	-88.09	440.42	619.00	1,445.81	1,379.39	66.41	21.770		
7,600.00	6,895.69	6,978.42	6,875.13	38.20	30.23	-89.46	439.70	651.84	1,441.22	1,372.83	68.39	21.073		
7,657.88	6,895.84	7,012.45	6,898.59	39.19	30.49	-90.39	439.51	676.50	1,440.58	1,370.90	69.68	20.674		
7,700.00	6,895.95	7,040.69	6,917.14	39.91	30.71	-91.12	439.45	697.79	1,440.89	1,370.25	70.64	20.397		
7,800.00	6,896.21	7,128.63	6,969.71	41.75	31.48	-93.20	439.60	768.24	1,443.64	1,370.39	73.25	19.708		
7,900.00	6,896.47	7,241.99	7,027.44	43.69	32.71	-95.48	438.89	865.67	1,447.25	1,370.92	76.33	18.960		
8,000.00	6,896.74	7,402.91	7,078.65	45.73	34.97	-97.49	436.89	1,017.72	1,449.83	1,369.39	80.44	18.023		
8,100.00	6,897.00	7,508.91	7,090.83	47.85	36.80	-97.97	434.29	1,122.94	1,448.73	1,364.44	84.30	17.186		
8,117.63	6,897.04	7,521.79	7,091.97	48.24	37.03	-98.01	434.13	1,135.77	1,448.70	1,363.80	84.90	17.063		
8,200.00	6,897.26	7,579.89	7,096.97	50.04	38.14	-98.20	433.98	1,193.65	1,449.37	1,361.63	87.75	16.517		
8,300.00	6,897.52	7,651.36	7,103.73	52.30	39.57	-98.45	435.14	1,264.79	1,452.15	1,360.82	91.33	15.900		
8,400.00	6,897.78	7,755.59	7,111.97	54.61	41.83	-98.75	437.69	1,368.66	1,455.59	1,359.79	95.80	15.194		
8,500.00	6,898.05	7,852.80	7,119.34	56.98	44.07	-99.01	440.37	1,465.55	1,459.32	1,359.03	100.29	14.551		
8,600.00	6,898.31	7,966.63	7,124.62	59.38	46.84	-99.19	442.71	1,579.22	1,461.84	1,356.47	105.37	13.873		
8,700.00	6,898.57	8,054.99	7,128.04	61.82	49.07	-99.30	445.30	1,667.48	1,465.15	1,355.20	109.95	13.326		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,898.83	8,161.79	7,132.12	64.30	51.86	-99.43	448.13	1,774.16	1,468.20	1,353.08	115.12	12.753		
8,900.00	6,899.10	8,264.45	7,135.67	66.81	54.63	-99.54	450.85	1,876.73	1,471.22	1,350.92	120.30	12.230		
9,000.00	6,899.36	8,365.05	7,139.87	69.34	57.41	-99.68	453.03	1,977.21	1,473.87	1,348.37	125.50	11.744		
9,100.00	6,899.62	8,473.33	7,146.62	71.90	60.46	-99.91	454.98	2,085.26	1,476.55	1,345.58	130.98	11.273		
9,200.00	6,899.88	8,567.97	7,153.73	74.48	63.19	-100.17	456.02	2,179.63	1,478.79	1,342.68	136.11	10.865		
9,300.00	6,900.14	8,670.10	7,160.95	77.08	66.16	-100.42	457.65	2,281.48	1,481.45	1,339.94	141.51	10.469		
9,400.00	6,900.41	8,797.11	7,165.71	79.70	69.91	-100.58	459.12	2,408.40	1,483.12	1,335.39	147.73	10.039		
9,500.00	6,900.67	8,880.41	7,167.71	82.33	72.40	-100.64	460.08	2,491.67	1,484.48	1,331.74	152.74	9.719		
9,600.00	6,900.93	8,960.93	7,169.71	84.97	74.82	-100.70	461.84	2,572.13	1,486.91	1,329.24	157.67	9.430		
9,700.00	6,901.19	9,113.59	7,171.87	87.63	79.45	-100.75	463.92	2,724.76	1,488.40	1,323.55	164.85	9.029		
9,800.00	6,901.45	9,238.75	7,170.53	90.31	83.29	-100.70	462.53	2,849.90	1,486.89	1,315.67	171.22	8.684		
9,900.00	6,901.72	9,343.10	7,167.91	92.99	86.50	-100.60	460.70	2,954.20	1,484.52	1,307.46	177.06	8.384		
10,000.00	6,901.98	9,418.80	7,167.82	95.68	88.86	-100.60	459.51	3,029.88	1,482.80	1,300.72	182.08	8.144		
10,042.09	6,902.09	9,449.00	7,168.43	96.82	89.79	-100.62	459.32	3,060.07	1,482.63	1,298.50	184.13	8.052		
10,100.00	6,902.24	9,486.72	7,169.59	98.38	90.97	-100.66	459.43	3,097.78	1,483.01	1,296.21	186.81	7.939		
10,200.00	6,902.50	9,554.13	7,172.49	101.09	93.08	-100.76	460.77	3,165.11	1,485.55	1,294.13	191.43	7.760		
10,300.00	6,902.76	9,644.40	7,177.45	103.81	95.91	-100.92	463.56	3,255.20	1,489.45	1,292.69	196.75	7.570		
10,400.00	6,903.03	9,746.20	7,181.73	106.53	99.11	-101.04	467.33	3,356.83	1,493.71	1,291.20	202.51	7.376		
10,500.00	6,903.29	9,885.04	7,187.42	109.26	103.50	-101.22	470.35	3,495.51	1,496.44	1,286.94	209.50	7.143		
10,600.00	6,903.55	9,992.65	7,191.18	112.00	106.92	-101.35	470.88	3,603.06	1,497.41	1,281.94	215.47	6.950		
10,700.00	6,903.81	10,091.17	7,194.83	114.75	110.05	-101.47	471.39	3,701.51	1,498.47	1,277.31	221.16	6.776		
10,800.00	6,904.08	10,182.23	7,198.48	117.49	112.96	-101.60	472.04	3,792.50	1,499.79	1,273.18	226.61	6.618		
10,900.00	6,904.34	10,282.69	7,202.52	120.25	116.17	-101.73	473.24	3,892.87	1,501.59	1,269.22	232.37	6.462		
11,000.00	6,904.60	10,407.99	7,204.40	123.00	120.19	-101.78	474.25	4,018.14	1,502.53	1,263.55	238.98	6.287		
11,005.41	6,904.61	10,415.02	7,204.37	123.15	120.41	-101.78	474.27	4,025.17	1,502.53	1,263.18	239.35	6.278		
11,100.00	6,904.86	10,505.07	7,204.41	125.77	123.31	-101.77	474.60	4,115.23	1,502.70	1,257.95	244.76	6.140		
11,200.00	6,905.12	10,601.01	7,204.09	128.53	126.39	-101.75	475.07	4,211.15	1,502.93	1,252.42	250.51	5.999		
11,300.00	6,905.39	10,685.34	7,203.93	131.30	129.11	-101.73	476.08	4,295.49	1,503.88	1,247.98	255.90	5.877		
11,400.00	6,905.65	10,766.76	7,204.38	134.08	131.73	-101.72	477.88	4,376.88	1,505.99	1,244.83	261.15	5.767		
11,500.00	6,905.91	10,922.38	7,204.64	136.85	136.76	-101.71	478.52	4,532.49	1,505.89	1,237.06	268.83	5.602		
11,600.00	6,906.17	11,042.91	7,204.95	139.63	140.67	-101.73	476.87	4,653.00	1,504.46	1,229.16	275.30	5.465		
11,700.00	6,906.43	11,124.43	7,205.63	142.42	143.31	-101.76	475.34	4,734.50	1,502.63	1,221.96	280.67	5.354		
11,800.00	6,906.70	11,208.19	7,206.63	145.20	146.03	-101.79	474.84	4,818.26	1,502.10	1,216.03	286.07	5.251		
11,803.17	6,906.70	11,210.90	7,206.65	145.29	146.12	-101.79	474.84	4,820.97	1,502.10	1,215.86	286.25	5.248		
11,900.00	6,906.96	11,290.60	7,207.08	147.99	148.71	-101.80	475.33	4,900.67	1,502.62	1,211.20	291.43	5.156		
12,000.00	6,907.22	11,394.59	7,206.27	150.78	152.09	-101.74	477.17	5,004.63	1,504.03	1,206.50	297.53	5.055		
12,100.00	6,907.48	11,498.64	7,203.66	153.57	155.47	-101.63	478.49	5,108.64	1,504.57	1,200.88	303.69	4.954		
12,200.00	6,907.74	11,579.49	7,202.42	156.37	158.10	-101.56	479.81	5,189.46	1,505.70	1,196.65	309.05	4.872		
12,300.00	6,908.01	11,648.42	7,201.97	159.17	160.34	-101.52	481.96	5,258.36	1,508.50	1,194.62	313.88	4.806		
12,400.00	6,908.27	11,716.30	7,202.25	161.97	162.54	-101.50	485.66	5,326.14	1,513.67	1,195.14	318.53	4.752		
12,500.00	6,908.53	11,912.82	7,201.43	164.77	168.95	-101.41	490.95	5,522.54	1,515.56	1,187.47	328.09	4.619		
12,512.03	6,908.56	11,920.10	7,201.41	165.11	169.18	-101.41	490.96	5,529.82	1,515.54	1,186.88	328.66	4.611		
12,600.00	6,908.79	11,973.36	7,201.59	167.57	170.92	-101.41	491.64	5,583.07	1,516.55	1,183.79	332.76	4.558		
12,700.00	6,909.06	12,141.93	7,203.25	170.38	176.44	-101.45	492.95	5,751.61	1,517.84	1,177.04	340.80	4.454		
12,800.00	6,909.32	12,259.97	7,200.71	173.18	180.30	-101.37	489.60	5,869.57	1,514.34	1,167.04	347.30	4.360		
12,900.00	6,909.58	12,337.68	7,199.17	175.99	182.85	-101.31	487.84	5,947.25	1,511.58	1,158.81	352.77	4.285		
13,000.00	6,909.84	12,477.15	7,196.76	178.80	187.42	-101.24	484.58	6,086.65	1,508.94	1,149.17	359.77	4.194		
13,100.00	6,910.10	12,578.82	7,194.33	181.61	190.76	-101.17	480.49	6,188.21	1,504.35	1,138.49	365.86	4.112		
13,200.00	6,910.37	12,671.45	7,191.91	184.42	193.80	-101.10	476.64	6,280.73	1,499.61	1,127.83	371.78	4.034		
13,300.00	6,910.63	12,745.00	7,189.04	187.24	196.21	-100.99	475.23	6,354.20	1,496.67	1,119.40	377.27	3.967		
13,375.15	6,910.82	12,783.87	7,187.37	189.35	197.49	-100.93	475.35	6,393.04	1,495.95	1,115.14	380.81	3.928		
13,400.00	6,910.89	12,799.97	7,186.76	190.05	198.01	-100.90	475.54	6,409.12	1,496.02	1,113.97	382.05	3.916		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,911.15	12,878.77	7,184.36	192.87	200.59	-100.79	477.48	6,487.86	1,497.61	1,110.17	387.44	3.865		
13,600.00	6,911.41	12,975.17	7,181.15	195.68	203.75	-100.64	480.25	6,584.17	1,499.64	1,106.18	393.46	3.811		
13,700.00	6,911.68	13,095.00	7,176.58	198.50	207.68	-100.43	483.83	6,703.86	1,501.81	1,101.41	400.39	3.751		
13,800.00	6,911.94	13,182.72	7,174.73	201.32	210.56	-100.35	485.13	6,791.54	1,502.75	1,096.68	406.07	3.701		
13,900.00	6,912.20	13,260.21	7,173.48	204.14	213.10	-100.28	487.52	6,868.98	1,505.31	1,094.00	411.31	3.660		
14,000.00	6,912.46	13,346.45	7,170.74	206.96	215.92	-100.14	491.53	6,955.09	1,509.13	1,092.22	416.90	3.620		
14,100.00	6,912.72	13,525.64	7,164.63	209.78	221.80	-99.86	496.44	7,134.06	1,511.37	1,085.35	426.02	3.548		
14,200.00	6,912.99	13,613.79	7,161.94	212.61	224.70	-99.75	496.58	7,222.17	1,510.82	1,078.99	431.83	3.499		
14,300.00	6,913.25	13,710.96	7,162.63	215.43	227.90	-99.77	496.21	7,319.32	1,510.39	1,072.64	437.76	3.450		
14,305.56	6,913.26	13,715.09	7,162.71	215.59	228.04	-99.78	496.20	7,323.46	1,510.39	1,072.35	438.05	3.448		
14,400.00	6,913.51	13,789.14	7,163.29	218.26	230.48	-99.79	496.86	7,397.50	1,511.14	1,068.09	443.06	3.411		
14,500.00	6,913.77	13,931.10	7,159.16	221.08	235.15	-99.62	496.95	7,539.38	1,510.30	1,059.71	450.59	3.352		
14,600.00	6,914.04	14,026.24	7,154.64	223.91	238.28	-99.44	496.64	7,634.41	1,509.02	1,052.32	456.71	3.304		
14,700.00	6,914.30	14,115.43	7,151.09	226.73	241.22	-99.30	496.65	7,723.53	1,508.22	1,045.62	462.60	3.260		
14,800.00	6,914.56	14,224.16	7,150.27	229.56	244.81	-99.26	496.69	7,832.26	1,508.00	1,039.04	468.95	3.216		
14,900.00	6,914.82	14,351.17	7,148.67	232.39	249.00	-99.20	494.69	7,959.24	1,506.05	1,030.28	475.78	3.165		
15,000.00	6,915.08	14,417.77	7,147.96	235.22	251.20	-99.17	493.78	8,025.82	1,504.37	1,023.39	480.99	3.128		
15,022.69	6,915.14	14,432.58	7,147.84	235.86	251.69	-99.17	493.78	8,040.63	1,504.32	1,022.19	482.13	3.120		
15,100.00	6,915.35	14,510.33	7,147.19	238.05	254.26	-99.13	494.24	8,118.38	1,504.53	1,017.67	486.86	3.090		
15,200.00	6,915.61	14,613.54	7,146.22	240.88	257.67	-99.09	494.30	8,221.58	1,504.26	1,011.18	493.08	3.051		
15,300.00	6,915.87	14,716.77	7,146.06	243.71	261.08	-99.07	494.19	8,324.82	1,503.96	1,004.70	499.26	3.012		
15,400.00	6,916.13	14,845.48	7,145.95	246.54	265.33	-99.07	492.72	8,453.51	1,502.68	996.57	506.10	2.969		
15,500.00	6,916.39	14,930.70	7,145.89	249.37	268.15	-99.06	491.49	8,538.72	1,501.03	989.23	511.80	2.933		
15,600.00	6,916.66	15,028.07	7,145.50	252.20	271.37	-99.05	490.31	8,636.09	1,499.60	981.79	517.82	2.896		
15,657.82	6,916.81	15,067.76	7,145.33	253.84	272.68	-99.04	490.17	8,675.77	1,499.25	978.45	520.80	2.879		
15,700.00	6,916.92	15,096.71	7,145.30	255.03	273.64	-99.03	490.35	8,704.72	1,499.44	976.51	522.93	2.867		
15,800.00	6,917.18	15,189.12	7,145.39	257.87	276.69	-99.02	491.76	8,797.13	1,500.77	972.03	528.74	2.838		
15,900.00	6,917.44	15,335.45	7,144.59	260.70	281.53	-98.98	491.28	8,943.43	1,499.99	963.69	536.30	2.797		
16,000.00	6,917.70	15,410.00	7,143.99	263.53	283.99	-98.95	490.85	9,017.98	1,499.13	957.45	541.68	2.768		
16,000.08	6,917.70	15,410.06	7,143.99	263.54	284.00	-98.95	490.85	9,018.04	1,499.13	957.45	541.68	2.768		
16,100.00	6,917.97	15,482.63	7,143.42	266.37	286.39	-98.92	491.73	9,090.60	1,500.04	953.20	546.84	2.743		
16,200.00	6,918.23	15,549.00	7,142.84	269.20	288.58	-98.88	493.92	9,156.93	1,502.99	951.44	551.54	2.725		
16,300.00	6,918.49	15,617.84	7,142.11	272.04	290.84	-98.82	497.74	9,225.66	1,508.12	952.00	556.12	2.712		
16,400.00	6,918.75	15,711.44	7,141.45	274.87	293.92	-98.75	504.28	9,319.03	1,514.74	952.81	561.92	2.696		
16,500.00	6,919.02	15,854.07	7,143.89	277.71	298.61	-98.78	511.95	9,461.42	1,520.26	950.19	570.07	2.667		
16,600.00	6,919.28	15,991.69	7,145.97	280.55	303.16	-98.84	514.53	9,599.00	1,521.96	944.38	577.59	2.635		
16,700.00	6,919.54	16,070.99	7,147.09	283.38	305.78	-98.86	515.81	9,678.28	1,523.66	940.83	582.83	2.614		
16,800.00	6,919.80	16,149.49	7,148.37	286.22	308.37	-98.89	518.60	9,756.72	1,527.19	939.26	587.93	2.598		
16,900.00	6,920.06	16,267.17	7,151.31	289.06	312.26	-98.96	522.76	9,874.28	1,530.95	936.29	594.67	2.574		
17,000.00	6,920.33	16,366.27	7,151.99	291.90	315.53	-98.96	525.26	9,973.35	1,533.38	932.68	600.70	2.553		
17,100.00	6,920.59	16,531.41	7,152.43	294.73	320.99	-98.95	527.12	10,138.45	1,534.49	925.50	608.99	2.520		
17,200.00	6,920.85	16,627.89	7,152.40	297.57	324.19	-98.95	526.42	10,234.93	1,533.59	918.60	614.99	2.494		
17,300.00	6,921.11	16,756.19	7,152.40	300.41	328.44	-98.95	523.85	10,363.20	1,531.41	909.69	621.72	2.463		
17,400.00	6,921.37	16,845.00	7,152.40	303.25	331.39	-98.96	521.11	10,451.97	1,528.26	900.69	627.57	2.435		
17,434.07	6,921.46	16,845.00	7,152.40	304.22	331.39	-98.96	521.11	10,451.97	1,527.88	899.14	628.73	2.430		
17,500.00	6,921.64	16,845.00	7,152.40	306.09	331.39	-98.96	521.11	10,451.97	1,529.30	899.18	630.12	2.427 SF		
17,600.00	6,921.90	16,845.00	7,152.40	308.93	331.39	-98.96	521.11	10,451.97	1,536.86	906.84	630.02	2.439		
17,638.91	6,922.00	16,845.00	7,152.40	310.03	331.39	-98.96	521.11	10,451.97	1,541.55	912.27	629.28	2.450		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	79.30	98.73	522.51	531.80					
100.00	100.00	100.25	100.24	3.28	3.30	79.33	98.20	521.40	530.62	524.03	6.59	80.578		
200.00	200.00	201.38	201.36	3.34	3.38	79.39	97.43	520.11	529.23	522.51	6.71	78.820		
300.00	299.98	303.67	303.63	3.44	3.51	-117.71	96.78	518.36	528.24	521.28	6.95	75.995		
327.79	327.75	332.07	332.03	3.48	3.56	-117.82	96.64	517.79	528.17	521.14	7.03	75.085 CC, ES		
400.00	399.84	403.94	403.88	3.59	3.69	-118.20	96.27	516.33	528.61	521.33	7.28	72.615		
500.00	499.45	510.96	510.86	3.79	3.93	-119.06	95.65	513.51	530.10	522.38	7.72	68.680		
600.00	598.70	615.40	615.22	4.04	4.21	-120.25	95.08	509.41	532.19	523.96	8.23	64.642		
660.50	658.52	671.16	670.93	4.20	4.36	-121.00	94.71	507.26	534.45	525.89	8.55	62.482		
700.00	697.51	708.75	708.50	4.31	4.48	-121.55	94.40	506.00	536.39	527.61	8.78	61.101		
800.00	796.22	808.87	808.56	4.63	4.79	-123.04	93.82	502.44	541.41	532.01	9.40	57.588		
900.00	894.93	901.21	900.86	4.98	5.10	-124.33	93.03	499.87	547.44	537.40	10.04	54.531		
1,000.00	993.64	999.61	999.23	5.34	5.44	-125.64	91.96	497.94	554.48	543.75	10.73	51.659		
1,100.00	1,092.35	1,106.39	1,105.96	5.73	5.82	-126.97	90.11	495.20	561.02	549.53	11.49	48.825		
1,200.00	1,191.06	1,209.91	1,209.38	6.13	6.21	-128.20	87.63	491.50	566.65	554.39	12.26	46.219		
1,300.00	1,289.78	1,309.61	1,308.98	6.54	6.59	-129.35	84.94	487.72	572.21	559.17	13.03	43.902		
1,400.00	1,388.49	1,406.88	1,406.15	6.95	6.97	-130.43	82.19	484.19	578.09	564.27	13.81	41.851		
1,500.00	1,487.20	1,500.79	1,499.98	7.38	7.35	-131.45	79.79	481.32	584.80	570.21	14.59	40.085		
1,600.00	1,585.91	1,596.06	1,595.21	7.81	7.73	-132.51	78.18	479.06	592.70	577.32	15.38	38.536		
1,700.00	1,684.62	1,710.68	1,709.72	8.25	8.19	-133.78	75.85	474.95	599.59	583.32	16.27	36.851		
1,800.00	1,783.33	1,825.50	1,824.26	8.70	8.68	-134.77	69.94	469.54	604.27	587.11	17.17	35.201		
1,900.00	1,882.04	1,925.40	1,923.68	9.15	9.10	-135.39	61.72	464.33	607.16	589.16	18.01	33.718		
2,000.00	1,980.75	2,016.22	2,014.13	9.60	9.49	-135.90	54.38	460.80	611.36	592.54	18.82	32.492		
2,100.00	2,079.46	2,133.25	2,130.68	10.05	10.00	-136.51	44.61	456.52	615.82	596.08	19.74	31.199		
2,200.00	2,178.17	2,229.24	2,226.09	10.51	10.43	-137.02	35.62	451.09	617.96	597.38	20.58	30.021		
2,300.00	2,276.88	2,318.92	2,315.33	10.97	10.83	-137.47	27.70	447.29	621.64	600.24	21.41	29.040		
2,400.00	2,375.59	2,409.23	2,405.28	11.43	11.22	-137.86	19.93	445.02	626.96	604.73	22.23	28.205		
2,500.00	2,474.31	2,528.74	2,524.31	11.89	11.76	-138.43	10.00	441.32	632.06	608.88	23.19	27.261		
2,600.00	2,573.02	2,625.32	2,620.42	12.36	12.20	-138.96	1.85	436.45	635.40	611.35	24.05	26.423		
2,700.00	2,671.73	2,724.17	2,718.80	12.82	12.65	-139.47	-6.59	431.78	639.01	614.09	24.92	25.641		
2,800.00	2,770.44	2,817.79	2,812.00	13.29	13.08	-139.94	-14.42	427.88	643.23	617.45	25.77	24.957		
2,900.00	2,869.15	2,907.81	2,901.71	13.76	13.48	-140.36	-21.59	425.28	648.79	622.18	26.61	24.385		
3,000.00	2,967.86	3,025.56	3,018.93	14.23	14.02	-140.90	-31.65	420.65	653.10	625.53	27.57	23.687		
3,100.00	3,066.57	3,118.09	3,111.06	14.70	14.45	-141.35	-39.32	416.77	657.47	629.04	28.43	23.129		
3,200.00	3,165.28	3,219.70	3,212.31	15.17	14.91	-142.09	-45.43	410.83	661.84	632.53	29.31	22.580		
3,300.00	3,263.99	3,311.61	3,303.94	15.64	15.33	-142.84	-49.71	405.32	666.99	636.84	30.15	22.123		
3,400.00	3,362.70	3,407.50	3,399.62	16.11	15.76	-143.62	-53.57	400.32	673.27	642.27	31.00	21.716		
3,500.00	3,461.41	3,508.02	3,499.91	16.59	16.22	-144.33	-58.58	395.44	679.40	647.52	31.89	21.308		
3,600.00	3,560.12	3,613.13	3,604.79	17.06	16.70	-145.13	-62.86	390.25	686.17	653.38	32.79	20.927		
3,700.00	3,658.84	3,728.75	3,719.92	17.53	17.23	-146.00	-69.67	381.96	690.04	656.31	33.74	20.453		
3,800.00	3,757.55	3,831.35	3,821.99	18.01	17.72	-146.72	-76.51	374.25	693.36	658.73	34.63	20.021		
3,900.00	3,856.26	3,930.01	3,920.13	18.48	18.19	-147.39	-83.39	366.72	696.50	660.99	35.51	19.614		
4,000.00	3,954.97	4,026.22	4,015.85	18.96	18.64	-148.04	-89.88	359.68	700.12	663.74	36.38	19.244		
4,100.00	4,053.68	4,129.96	4,119.08	19.44	19.13	-148.69	-97.32	352.58	703.92	666.63	37.28	18.880		
4,200.00	4,152.39	4,224.10	4,212.73	19.91	19.58	-149.16	-105.09	346.89	707.67	669.52	38.15	18.550		
4,300.00	4,251.10	4,311.93	4,300.22	20.39	19.99	-149.63	-111.26	342.13	712.75	673.77	38.98	18.284		
4,400.00	4,349.81	4,410.02	4,398.01	20.87	20.45	-150.17	-117.19	337.48	719.06	679.20	39.86	18.040		
4,500.00	4,448.52	4,505.64	4,493.35	21.34	20.89	-150.63	-123.40	333.51	725.55	684.83	40.72	17.817		
4,600.00	4,547.23	4,586.10	4,573.64	21.82	21.25	-150.99	-128.01	331.19	733.57	692.09	41.48	17.683		
4,700.00	4,645.94	4,661.76	4,649.21	22.30	21.57	-151.24	-131.52	331.42	744.63	702.47	42.16	17.660		
4,800.00	4,744.65	4,742.34	4,729.78	22.78	21.88	-151.64	-132.06	332.19	758.86	716.02	42.84	17.715		
4,900.00	4,843.37	4,838.93	4,826.36	23.26	22.24	-152.19	-131.26	333.11	774.27	730.62	43.65	17.740		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	4,940.57	4,928.00	23.74	22.62	-152.80	-129.93	333.36	789.61	745.10	44.51	17.741		
5,100.00	5,040.79	5,043.28	5,030.69	24.21	23.01	-153.46	-128.35	332.65	804.56	759.17	45.39	17.727		
5,200.00	5,139.50	5,145.51	5,132.90	24.69	23.42	-154.12	-126.79	331.20	819.11	772.84	46.27	17.704		
5,300.00	5,238.21	5,245.46	5,232.83	25.17	23.82	-154.73	-125.75	329.80	833.41	786.28	47.13	17.683		
5,400.00	5,336.92	5,343.75	5,331.11	25.65	24.22	-155.13	-126.44	330.31	847.76	799.78	47.98	17.667		
5,500.00	5,435.63	5,439.95	5,427.32	26.13	24.61	-155.57	-126.44	330.27	862.32	813.50	48.82	17.663		
5,600.00	5,534.34	5,554.63	5,541.99	26.61	25.08	-156.13	-126.19	329.23	876.58	826.76	49.82	17.593		
5,700.00	5,633.05	5,649.53	5,636.87	27.09	25.48	-156.59	-126.76	327.50	889.66	839.00	50.66	17.561		
5,800.00	5,731.76	5,742.73	5,730.04	27.57	25.87	-157.09	-126.20	325.55	903.52	852.05	51.48	17.553		
5,900.00	5,830.47	5,852.39	5,839.67	28.05	26.33	-157.66	-125.67	323.10	917.31	864.87	52.44	17.493		
6,000.00	5,929.18	5,927.17	5,914.45	28.53	26.64	-157.99	-125.48	322.30	931.68	878.61	53.08	17.553		
6,100.00	6,027.90	6,020.91	6,008.17	29.01	27.01	-158.41	-123.70	322.16	947.93	894.05	53.88	17.594		
6,200.00	6,126.61	6,133.10	6,120.34	29.49	27.46	-158.92	-121.88	321.18	963.62	908.75	54.87	17.563		
6,300.00	6,225.32	6,225.09	6,212.32	29.97	27.84	-159.32	-120.82	320.12	978.81	923.14	55.67	17.583		
6,311.21	6,236.38	6,235.51	6,222.73	30.03	27.88	-159.37	-120.58	319.91	980.56	924.81	55.76	17.587		
6,350.00	6,274.70	6,274.71	6,261.92	30.21	28.04	-137.23	-119.79	319.29	985.92	929.82	56.09	17.576		
6,400.00	6,324.03	6,325.30	6,312.50	30.43	28.25	-111.68	-119.19	318.93	990.69	934.16	56.52	17.527		
6,450.00	6,373.00	6,370.86	6,358.05	30.65	28.43	-95.17	-118.69	318.71	993.19	936.29	56.90	17.456		
6,500.00	6,421.31	6,415.25	6,402.43	30.84	28.61	-85.63	-117.78	318.20	993.65	936.40	57.24	17.358		
6,550.00	6,468.66	6,456.16	6,443.33	31.03	28.77	-80.10	-116.85	317.94	992.24	934.69	57.55	17.242		
6,600.00	6,514.76	6,496.40	6,483.55	31.20	28.93	-76.89	-116.43	318.88	989.17	931.33	57.84	17.102		
6,650.00	6,559.32	6,518.00	6,505.13	31.37	29.01	-74.71	-116.41	319.87	984.71	926.80	57.91	17.004		
6,700.00	6,602.08	6,558.25	6,545.21	31.52	29.16	-73.90	-116.81	323.55	979.00	920.80	58.20	16.822		
6,750.00	6,642.77	6,586.29	6,572.90	31.65	29.26	-73.45	-117.45	327.87	972.58	914.24	58.34	16.671		
6,800.00	6,681.13	6,613.00	6,599.02	31.78	29.36	-73.44	-118.34	333.33	965.38	906.90	58.48	16.508		
6,850.00	6,716.93	6,645.03	6,629.93	31.89	29.46	-73.95	-119.81	341.61	957.45	898.74	58.72	16.306		
6,900.00	6,749.95	6,675.95	6,659.20	31.99	29.57	-74.73	-121.68	351.39	948.84	889.86	58.98	16.088		
6,950.00	6,779.98	6,708.00	6,688.82	32.08	29.67	-75.81	-124.09	363.35	939.63	880.31	59.31	15.842		
7,000.00	6,806.85	6,738.12	6,716.27	32.16	29.76	-77.08	-126.42	375.54	929.93	870.25	59.69	15.580		
7,050.00	6,830.38	6,767.14	6,742.65	32.24	29.85	-78.58	-128.36	387.46	920.01	859.88	60.14	15.299		
7,100.00	6,850.43	6,794.61	6,767.57	32.35	29.93	-80.24	-129.94	398.91	910.12	849.47	60.66	15.005		
7,150.00	6,866.88	6,818.82	6,789.48	32.59	30.00	-81.91	-131.11	409.17	900.57	839.33	61.24	14.707		
7,200.00	6,879.62	6,840.88	6,809.30	32.99	30.07	-83.57	-131.99	418.81	891.69	829.80	61.89	14.408		
7,250.00	6,888.58	6,861.63	6,827.81	33.48	30.13	-85.22	-132.64	428.15	883.74	821.13	62.62	14.114		
7,300.00	6,893.70	6,880.93	6,844.92	34.02	30.18	-86.80	-133.10	437.06	876.99	813.58	63.41	13.831		
7,339.40	6,895.01	6,899.00	6,860.84	34.48	30.23	-88.19	-133.41	445.61	872.69	808.58	64.11	13.612		
7,400.00	6,895.16	6,916.28	6,875.82	35.24	30.28	-89.18	-133.59	454.22	868.53	803.41	65.11	13.339		
7,444.67	6,895.28	6,934.61	6,891.27	35.86	30.33	-90.20	-133.68	464.08	867.64	801.70	65.94	13.157		
7,500.00	6,895.43	6,961.56	6,913.09	36.64	30.40	-91.64	-133.63	479.89	868.92	801.98	66.95	12.979		
7,600.00	6,895.69	7,021.34	6,957.79	38.20	30.57	-94.57	-132.73	519.54	876.97	808.15	68.82	12.743		
7,700.00	6,895.95	7,083.29	7,002.56	39.91	30.79	-97.47	-131.03	562.32	891.49	820.92	70.57	12.632		
7,800.00	6,896.21	7,250.39	7,106.56	41.75	31.89	-104.01	-128.84	692.41	907.78	834.99	72.79	12.472		
7,900.00	6,896.47	7,415.34	7,170.30	43.69	33.65	-107.87	-128.98	844.12	919.04	843.47	75.57	12.161		
8,000.00	6,896.74	7,548.77	7,198.56	45.73	35.55	-109.54	-130.16	974.36	924.74	845.90	78.85	11.728		
8,100.00	6,897.00	7,649.88	7,206.89	47.85	37.24	-109.98	-128.65	1,075.09	928.73	846.46	82.27	11.289		
8,200.00	6,897.26	7,784.42	7,214.63	50.04	39.82	-110.37	-126.70	1,209.38	931.96	845.25	86.71	10.748		
8,300.00	6,897.52	7,934.69	7,223.15	52.30	43.09	-110.99	-133.57	1,359.22	929.06	837.37	91.70	10.132		
8,400.00	6,897.78	7,980.00	7,226.52	54.61	44.13	-111.26	-136.91	1,404.28	926.29	831.68	94.60	9.791		
8,413.39	6,897.82	8,007.84	7,229.30	54.93	44.79	-111.45	-138.59	1,431.93	925.56	830.09	95.47	9.695		
8,500.00	6,898.05	8,042.53	7,234.29	56.98	45.62	-111.75	-139.45	1,466.24	928.00	830.24	97.76	9.493		
8,600.00	6,898.31	8,090.22	7,243.65	59.38	46.77	-112.26	-138.46	1,512.98	936.81	836.46	100.35	9.336		
8,700.00	6,898.57	8,180.32	7,259.53	61.82	48.99	-113.02	-133.28	1,601.50	948.78	844.68	104.10	9.114		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,898.83	8,334.56	7,276.03	64.30	52.97	-113.68	-123.15	1,754.45	959.18	849.02	110.16	8.708		
8,900.00	6,899.10	8,457.16	7,276.92	66.81	56.25	-113.56	-116.48	1,876.85	964.12	848.40	115.72	8.331		
9,000.00	6,899.36	8,536.96	7,275.94	69.34	58.44	-113.37	-111.18	1,956.46	969.50	849.44	120.06	8.075		
9,100.00	6,899.62	8,611.74	7,275.02	71.90	61.92	-113.12	-103.40	2,080.99	974.75	848.75	126.00	7.736		
9,200.00	6,899.88	8,767.66	7,274.15	74.48	64.95	-112.95	-98.46	2,186.79	978.51	847.16	131.35	7.450		
9,300.00	6,900.14	8,893.33	7,274.40	77.08	68.61	-112.89	-95.71	2,312.42	980.37	843.06	137.31	7.140		
9,400.00	6,900.41	9,001.55	7,276.01	79.70	71.82	-112.97	-96.16	2,420.62	980.32	837.67	142.65	6.872		
9,433.84	6,900.49	9,035.94	7,276.29	80.59	72.84	-112.99	-96.29	2,455.01	980.23	835.83	144.41	6.788		
9,500.00	6,900.67	9,088.16	7,277.19	82.33	74.41	-113.03	-96.22	2,507.22	980.59	833.19	147.40	6.653		
9,600.00	6,900.93	9,175.06	7,279.76	84.97	77.03	-113.13	-95.29	2,594.08	982.50	830.39	152.11	6.459		
9,700.00	6,901.19	9,267.34	7,282.16	87.63	79.83	-113.20	-93.18	2,686.31	985.40	828.36	157.04	6.275		
9,800.00	6,901.45	9,366.18	7,285.55	90.31	82.86	-113.32	-90.70	2,785.06	988.83	826.65	162.18	6.097		
9,900.00	6,901.72	9,476.33	7,287.59	92.99	86.24	-113.35	-87.75	2,895.14	991.81	823.99	167.82	5.910		
10,000.00	6,901.98	9,591.09	7,287.89	95.68	89.79	-113.30	-85.60	3,009.88	993.41	819.70	173.71	5.719		
10,100.00	6,902.24	9,725.18	7,289.01	98.38	93.98	-113.37	-86.60	3,143.95	992.93	812.90	180.03	5.515		
10,200.00	6,902.50	9,837.01	7,288.39	101.09	97.49	-113.43	-91.12	3,255.69	988.66	802.98	185.68	5.325		
10,300.00	6,902.76	9,920.10	7,288.61	103.81	100.11	-113.48	-93.50	3,338.74	985.88	795.30	190.57	5.173		
10,400.00	6,903.03	10,008.01	7,287.73	106.53	102.88	-113.45	-94.37	3,426.65	984.36	788.66	195.69	5.030		
10,453.80	6,903.17	10,053.50	7,287.10	108.00	104.32	-113.41	-94.19	3,472.13	984.13	785.72	198.41	4.960		
10,500.00	6,903.29	10,089.75	7,286.60	109.26	105.47	-113.36	-93.72	3,508.37	984.33	783.68	200.65	4.906		
10,600.00	6,903.55	10,167.00	7,285.76	112.00	107.91	-113.25	-91.10	3,585.57	986.73	781.30	205.43	4.803		
10,700.00	6,903.81	10,246.15	7,284.96	114.75	110.41	-113.09	-86.54	3,664.59	991.34	781.09	210.25	4.715		
10,800.00	6,904.08	10,343.02	7,284.20	117.49	113.47	-112.90	-79.99	3,761.22	997.04	781.18	215.86	4.619		
10,900.00	6,904.34	10,462.32	7,284.18	120.25	117.26	-112.74	-73.38	3,880.34	1,001.94	779.57	222.37	4.506		
11,000.00	6,904.60	10,579.64	7,283.35	123.00	121.01	-112.59	-69.19	3,997.58	1,004.72	775.96	228.76	4.392		
11,100.00	6,904.86	10,695.89	7,282.06	125.77	124.73	-112.45	-66.51	4,113.79	1,006.24	771.17	235.07	4.281		
11,200.00	6,905.12	10,828.84	7,279.26	128.53	129.01	-112.29	-66.68	4,246.70	1,005.12	763.28	241.83	4.156		
11,300.00	6,905.39	10,904.79	7,277.03	131.30	131.46	-112.17	-67.01	4,322.62	1,003.40	756.50	246.90	4.064		
11,316.57	6,905.43	10,917.07	7,276.73	131.76	131.86	-112.15	-66.89	4,334.90	1,003.36	755.64	247.72	4.050		
11,400.00	6,905.65	10,981.03	7,275.48	134.08	133.92	-112.05	-65.54	4,398.83	1,004.19	752.32	251.87	3.987		
11,500.00	6,905.91	11,071.39	7,274.64	136.85	136.83	-111.92	-62.25	4,489.12	1,006.97	749.68	257.29	3.914		
11,600.00	6,906.17	11,195.36	7,274.35	139.63	140.83	-111.83	-59.13	4,613.05	1,009.07	745.15	263.91	3.823		
11,700.00	6,906.43	11,341.93	7,271.49	142.42	145.59	-111.70	-60.90	4,759.56	1,006.88	735.83	271.05	3.715		
11,800.00	6,906.70	11,438.97	7,267.76	145.20	148.74	-111.55	-63.76	4,856.49	1,002.51	725.65	276.86	3.621		
11,900.00	6,906.96	11,521.50	7,264.81	147.99	151.42	-111.41	-64.85	4,938.96	999.72	717.41	282.31	3.541		
12,000.00	6,907.22	11,616.45	7,264.49	150.78	154.52	-111.41	-66.32	5,033.88	997.94	710.12	287.82	3.467		
12,100.00	6,907.48	11,711.88	7,264.39	153.57	157.63	-111.42	-67.46	5,129.31	996.57	703.22	293.34	3.397		
12,122.07	6,907.54	11,723.00	7,264.30	154.19	157.99	-111.41	-67.53	5,140.43	996.39	702.13	294.26	3.386		
12,200.00	6,907.74	11,723.00	7,264.30	156.37	157.99	-111.41	-67.53	5,140.43	999.43	704.18	295.26	3.385 SF		
12,300.00	6,908.01	11,723.00	7,264.30	159.17	157.99	-111.41	-67.53	5,140.43	1,012.15	718.08	294.07	3.442		
12,400.00	6,908.27	11,723.00	7,264.30	161.97	157.99	-111.41	-67.53	5,140.43	1,034.43	744.08	290.35	3.563		
12,500.00	6,908.53	11,723.00	7,264.30	164.77	157.99	-111.41	-67.53	5,140.43	1,065.66	781.15	284.51	3.746		
12,600.00	6,908.79	11,723.00	7,264.30	167.57	157.99	-111.41	-67.53	5,140.43	1,105.09	828.03	277.05	3.989		
12,700.00	6,909.06	11,723.00	7,264.30	170.38	157.99	-111.41	-67.53	5,140.43	1,151.87	883.36	268.51	4.290		
12,800.00	6,909.32	11,723.00	7,264.30	173.18	157.99	-111.41	-67.53	5,140.43	1,205.15	945.82	259.33	4.647		
12,900.00	6,909.58	11,723.00	7,264.30	175.99	157.99	-111.41	-67.53	5,140.43	1,264.11	1,014.21	249.90	5.058		
13,000.00	6,909.84	11,723.00	7,264.30	178.80	157.99	-111.41	-67.53	5,140.43	1,327.99	1,087.47	240.52	5.521		
13,100.00	6,910.10	11,723.00	7,264.30	181.61	157.99	-111.41	-67.53	5,140.43	1,396.12	1,164.74	231.38	6.034		
13,200.00	6,910.37	11,723.00	7,264.30	184.42	157.99	-111.41	-67.53	5,140.43	1,467.90	1,245.29	222.62	6.594		
13,300.00	6,910.63	11,723.00	7,264.30	187.24	157.99	-111.41	-67.53	5,140.43	1,542.83	1,328.52	214.31	7.199		
13,400.00	6,910.89	11,723.00	7,264.30	190.05	157.99	-111.41	-67.53	5,140.43	1,620.47	1,413.97	206.49	7.847		
13,500.00	6,911.15	11,723.00	7,264.30	192.87	157.99	-111.41	-67.53	5,140.43	1,700.44	1,501.25	199.19	8.537		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,600.00	6,911.41	11,723.00	7,264.30	195.68	157.99	-111.41	-67.53	5,140.43	1,782.44	1,590.06	192.38	9.265		
13,700.00	6,911.68	11,723.00	7,264.30	198.50	157.99	-111.41	-67.53	5,140.43	1,866.19	1,680.14	186.05	10.030		
13,800.00	6,911.94	11,723.00	7,264.30	201.32	157.99	-111.41	-67.53	5,140.43	1,951.48	1,771.29	180.18	10.831		
13,900.00	6,912.20	11,723.00	7,264.30	204.14	157.99	-111.41	-67.53	5,140.43	2,038.10	1,863.36	174.74	11.664		
14,000.00	6,912.46	11,723.00	7,264.30	206.96	157.99	-111.41	-67.53	5,140.43	2,125.90	1,956.21	169.69	12.528		
14,100.00	6,912.72	11,723.00	7,264.30	209.78	157.99	-111.41	-67.53	5,140.43	2,214.73	2,049.72	165.01	13.422		
14,200.00	6,912.99	11,723.00	7,264.30	212.61	157.99	-111.41	-67.53	5,140.43	2,304.48	2,143.81	160.67	14.343		
14,300.00	6,913.25	11,723.00	7,264.30	215.43	157.99	-111.41	-67.53	5,140.43	2,395.04	2,238.40	156.63	15.291		
14,400.00	6,913.51	11,723.00	7,264.30	218.26	157.99	-111.41	-67.53	5,140.43	2,486.32	2,333.43	152.89	16.262		
14,500.00	6,913.77	11,723.00	7,264.30	221.08	157.99	-111.41	-67.53	5,140.43	2,578.25	2,428.85	149.40	17.257		
14,600.00	6,914.04	11,723.00	7,264.30	223.91	157.99	-111.41	-67.53	5,140.43	2,670.76	2,524.60	146.16	18.273		
14,700.00	6,914.30	11,723.00	7,264.30	226.73	157.99	-111.41	-67.53	5,140.43	2,763.79	2,620.66	143.13	19.309		
14,800.00	6,914.56	11,723.00	7,264.30	229.56	157.99	-111.41	-67.53	5,140.43	2,857.29	2,716.98	140.31	20.364		
14,900.00	6,914.82	11,723.00	7,264.30	232.39	157.99	-111.41	-67.53	5,140.43	2,951.22	2,813.55	137.68	21.436		
15,000.00	6,915.08	11,723.00	7,264.30	235.22	157.99	-111.41	-67.53	5,140.43	3,045.54	2,910.33	135.21	22.524		
15,100.00	6,915.35	11,723.00	7,264.30	238.05	157.99	-111.41	-67.53	5,140.43	3,140.21	3,007.30	132.90	23.628		
15,200.00	6,915.61	11,723.00	7,264.30	240.88	157.99	-111.41	-67.53	5,140.43	3,235.19	3,104.45	130.74	24.745		
15,300.00	6,915.87	11,723.00	7,264.30	243.71	157.99	-111.41	-67.53	5,140.43	3,330.48	3,201.77	128.71	25.876		
15,400.00	6,916.13	11,723.00	7,264.30	246.54	157.99	-111.41	-67.53	5,140.43	3,426.03	3,299.22	126.80	27.019		
15,500.00	6,916.39	11,723.00	7,264.30	249.37	157.99	-111.41	-67.53	5,140.43	3,521.82	3,396.81	125.01	28.172		
15,600.00	6,916.66	11,723.00	7,264.30	252.20	157.99	-111.41	-67.53	5,140.43	3,617.85	3,494.52	123.32	29.336		
15,700.00	6,916.92	11,723.00	7,264.30	255.03	157.99	-111.41	-67.53	5,140.43	3,714.08	3,592.35	121.74	30.509		
15,800.00	6,917.18	11,723.00	7,264.30	257.87	157.99	-111.41	-67.53	5,140.43	3,810.51	3,690.27	120.24	31.691		
15,900.00	6,917.44	11,723.00	7,264.30	260.70	157.99	-111.41	-67.53	5,140.43	3,907.12	3,788.29	118.83	32.881		
16,000.00	6,917.70	11,723.00	7,264.30	263.53	157.99	-111.41	-67.53	5,140.43	4,003.89	3,886.40	117.49	34.078		
16,100.00	6,917.97	11,723.00	7,264.30	266.37	157.99	-111.41	-67.53	5,140.43	4,100.82	3,984.60	116.23	35.282		
16,200.00	6,918.23	11,723.00	7,264.30	269.20	157.99	-111.41	-67.53	5,140.43	4,197.90	4,082.86	115.04	36.492		
16,300.00	6,918.49	11,723.00	7,264.30	272.04	157.99	-111.41	-67.53	5,140.43	4,295.11	4,181.20	113.91	37.707		
16,400.00	6,918.75	11,723.00	7,264.30	274.87	157.99	-111.41	-67.53	5,140.43	4,392.44	4,279.60	112.84	38.927		
16,500.00	6,919.02	11,723.00	7,264.30	277.71	157.99	-111.41	-67.53	5,140.43	4,489.89	4,378.07	111.82	40.152		
16,600.00	6,919.28	11,723.00	7,264.30	280.55	157.99	-111.41	-67.53	5,140.43	4,587.45	4,476.59	110.86	41.380		
16,700.00	6,919.54	11,723.00	7,264.30	283.38	157.99	-111.41	-67.53	5,140.43	4,685.11	4,575.16	109.95	42.612		
16,800.00	6,919.80	11,723.00	7,264.30	286.22	157.99	-111.41	-67.53	5,140.43	4,782.87	4,673.79	109.08	43.847		
16,900.00	6,920.06	11,723.00	7,264.30	289.06	157.99	-111.41	-67.53	5,140.43	4,880.72	4,772.46	108.26	45.084		
17,000.00	6,920.33	11,723.00	7,264.30	291.90	157.99	-111.41	-67.53	5,140.43	4,978.66	4,871.18	107.48	46.324		
17,100.00	6,920.59	11,723.00	7,264.30	294.73	157.99	-111.41	-67.53	5,140.43	5,076.68	4,969.94	106.73	47.565		
17,200.00	6,920.85	11,723.00	7,264.30	297.57	157.99	-111.41	-67.53	5,140.43	5,174.77	5,068.75	106.02	48.808		
17,300.00	6,921.11	11,723.00	7,264.30	300.41	157.99	-111.41	-67.53	5,140.43	5,272.93	5,167.58	105.35	50.053		
17,400.00	6,921.37	11,723.00	7,264.30	303.25	157.99	-111.41	-67.53	5,140.43	5,371.16	5,266.46	104.70	51.298		
17,500.00	6,921.64	11,723.00	7,264.30	306.09	157.99	-111.41	-67.53	5,140.43	5,469.46	5,365.37	104.09	52.544		
17,600.00	6,921.90	11,723.00	7,264.30	308.93	157.99	-111.41	-67.53	5,140.43	5,567.82	5,464.31	103.51	53.791		
17,638.91	6,922.00	11,723.00	7,264.30	310.03	157.99	-111.41	-67.53	5,140.43	5,606.10	5,502.81	103.29	54.276		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	80.86	83.80	521.12	527.86					
100.00	100.00	97.52	97.52	3.28	3.30	80.90	83.40	520.60	527.26	520.68	6.58	80.093		
200.00	200.00	200.37	200.36	3.34	3.37	81.00	82.30	519.65	526.17	519.46	6.71	78.378		
300.00	299.98	304.57	304.53	3.44	3.51	-116.03	80.97	517.98	525.16	518.21	6.95	75.520		
366.87	366.78	373.37	373.31	3.54	3.63	-116.28	80.08	516.44	524.91	517.74	7.17	73.223 CC		
400.00	399.84	407.12	407.05	3.59	3.70	-116.47	79.74	515.59	524.98	517.69	7.29	72.023		
500.00	499.45	511.47	511.35	3.79	3.93	-117.32	78.98	512.43	525.82	518.09	7.72	68.100		
600.00	598.70	605.89	605.72	4.04	4.18	-118.36	78.21	509.50	528.34	520.13	8.20	64.413		
660.50	658.52	663.84	663.65	4.20	4.34	-119.08	77.51	508.20	531.23	522.70	8.53	62.276		
700.00	697.51	701.81	701.60	4.31	4.45	-119.61	76.92	507.49	533.50	524.74	8.76	60.928		
800.00	796.22	797.00	796.78	4.63	4.75	-120.86	75.10	506.22	539.88	530.52	9.36	57.682		
900.00	894.93	889.97	889.71	4.98	5.04	-121.96	72.63	506.03	547.43	537.43	9.99	54.774		
1,000.00	993.64	988.19	987.86	5.34	5.37	-122.99	69.28	506.75	555.87	545.19	10.68	52.047		
1,100.00	1,092.35	1,092.92	1,092.52	5.73	5.74	-124.02	65.30	507.21	564.11	552.68	11.42	49.377		
1,200.00	1,191.06	1,198.75	1,198.26	6.13	6.13	-125.07	61.00	505.77	570.67	558.47	12.20	46.768		
1,300.00	1,289.78	1,273.84	1,273.29	6.54	6.40	-125.80	58.52	506.28	579.61	566.75	12.86	45.063		
1,400.00	1,388.49	1,404.13	1,403.48	6.95	6.89	-127.02	54.55	508.06	589.84	576.06	13.78	42.817		
1,500.00	1,487.20	1,525.27	1,524.38	7.38	7.38	-128.21	49.22	502.89	594.12	579.45	14.67	40.497		
1,600.00	1,585.91	1,644.47	1,643.07	7.81	7.87	-129.45	43.35	493.59	595.11	579.55	15.56	38.251		
1,700.00	1,684.62	1,748.93	1,746.78	8.25	8.32	-130.39	35.79	483.67	593.79	577.39	16.40	36.200		
1,800.00	1,783.33	1,850.60	1,847.59	8.70	8.77	-131.05	25.94	474.90	592.44	575.19	17.25	34.337		
1,900.00	1,882.04	1,944.17	1,940.16	9.15	9.20	-131.36	14.07	468.28	591.34	573.25	18.09	32.682		
1,927.80	1,909.48	1,969.36	1,965.03	9.27	9.31	-131.38	10.35	466.97	591.27	572.95	18.33	32.263		
2,000.00	1,980.75	2,033.09	2,028.03	9.60	9.61	-131.41	1.10	464.27	591.79	572.86	18.93	31.264		
2,100.00	2,079.46	2,121.03	2,115.12	10.05	10.02	-131.48	-10.86	461.82	594.23	574.47	19.76	30.071		
2,200.00	2,178.17	2,219.11	2,212.45	10.51	10.47	-131.64	-22.77	460.00	598.12	577.48	20.64	28.981		
2,300.00	2,276.88	2,320.87	2,313.58	10.97	10.93	-131.97	-33.72	457.12	601.73	580.20	21.53	27.943		
2,400.00	2,375.59	2,443.07	2,434.90	11.43	11.51	-132.43	-47.20	451.44	603.65	581.13	22.51	26.813		
2,500.00	2,474.31	2,547.85	2,538.78	11.89	12.01	-132.92	-58.69	444.05	603.42	580.00	23.42	25.765		
2,600.00	2,573.02	2,659.31	2,649.00	12.36	12.57	-133.42	-72.15	434.34	601.18	576.83	24.35	24.692		
2,700.00	2,671.73	2,755.66	2,744.17	12.82	13.05	-133.81	-84.40	425.62	598.44	573.20	25.24	23.711		
2,800.00	2,770.44	2,845.45	2,833.03	13.29	13.50	-134.22	-94.97	418.38	597.02	570.91	26.11	22.866		
2,825.50	2,795.61	2,867.98	2,855.37	13.41	13.61	-134.32	-97.49	416.78	596.96	570.63	26.33	22.673		
2,900.00	2,869.15	2,935.00	2,921.86	13.76	13.94	-134.63	-104.71	412.58	597.47	570.50	26.97	22.151		
3,000.00	2,967.86	3,030.53	3,016.76	14.23	14.40	-135.08	-114.39	407.48	599.32	571.47	27.85	21.517		
3,100.00	3,066.57	3,136.44	3,121.96	14.70	14.91	-135.59	-125.06	401.47	600.97	572.19	28.78	20.884		
3,200.00	3,165.28	3,245.09	3,229.66	15.17	15.46	-136.03	-137.53	394.50	601.30	571.59	29.71	20.238		
3,300.00	3,263.99	3,344.35	3,327.94	15.64	15.96	-136.41	-149.59	387.45	600.73	570.11	30.62	19.620		
3,321.04	3,284.76	3,364.08	3,347.49	15.74	16.06	-136.49	-151.86	386.07	600.71	569.90	30.81	19.500		
3,400.00	3,362.70	3,431.59	3,414.47	16.11	16.39	-136.81	-159.03	381.73	601.37	569.89	31.48	19.105		
3,500.00	3,461.41	3,522.70	3,505.11	16.59	16.83	-137.30	-167.18	377.30	604.40	572.06	32.33	18.692		
3,600.00	3,560.12	3,628.38	3,610.21	17.06	17.34	-137.80	-177.13	372.50	607.55	574.29	33.26	18.266		
3,700.00	3,658.84	3,749.57	3,730.25	17.53	17.95	-138.08	-192.52	366.33	608.60	574.34	34.26	17.766		
3,800.00	3,757.55	3,854.04	3,833.15	18.01	18.51	-138.07	-209.46	360.18	607.06	571.86	35.21	17.242		
3,900.00	3,856.26	3,953.83	3,931.33	18.48	19.05	-137.98	-226.39	354.55	605.35	569.19	36.16	16.742		
3,986.22	3,941.36	4,029.81	4,006.22	18.90	19.46	-137.95	-238.66	350.66	604.64	567.69	36.94	16.366		
4,000.00	3,954.97	4,042.00	4,018.25	18.96	19.52	-137.95	-240.52	350.11	604.66	567.59	37.07	16.311		
4,100.00	4,053.68	4,129.52	4,104.85	19.44	19.97	-138.02	-252.65	346.57	605.95	567.99	37.95	15.965		
4,200.00	4,152.39	4,221.92	4,196.54	19.91	20.43	-138.21	-263.67	343.59	608.95	570.11	38.84	15.678		
4,300.00	4,251.10	4,323.26	4,297.18	20.39	20.93	-138.45	-275.20	340.62	612.52	572.75	39.77	15.402		
4,400.00	4,349.81	4,442.46	4,415.41	20.87	21.54	-138.77	-289.34	335.13	614.42	573.65	40.77	15.071		
4,500.00	4,448.52	4,534.09	4,506.31	21.34	22.00	-139.11	-299.62	330.00	615.78	574.13	41.65	14.784		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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		
4,600.00	4,547.23	4,639.65	4,611.00	21.82	22.54	-139.54	-311.40	323.41	616.69	574.11	42.58	14.483		
4,700.00	4,645.94	4,732.14	4,702.76	22.30	23.00	-139.89	-321.75	318.04	617.99	574.52	43.46	14.219		
4,800.00	4,744.65	4,822.86	4,792.78	22.78	23.46	-140.11	-332.44	314.59	620.66	576.32	44.34	13.998		
4,900.00	4,843.37	4,912.83	4,882.18	23.26	23.90	-140.31	-342.29	312.36	624.92	579.72	45.20	13.826		
5,000.00	4,942.08	5,005.27	4,974.22	23.74	24.34	-140.65	-350.56	310.32	630.53	584.48	46.05	13.691		
5,100.00	5,040.79	5,094.27	5,063.01	24.21	24.75	-141.12	-356.35	308.43	637.61	590.75	46.85	13.608		
5,200.00	5,139.50	5,172.20	5,140.87	24.69	25.08	-141.64	-359.35	307.73	647.25	599.74	47.51	13.622		
5,300.00	5,238.21	5,267.10	5,235.76	25.17	25.46	-142.35	-360.75	307.90	659.20	610.89	48.31	13.645		
5,400.00	5,336.92	5,361.78	5,330.43	25.65	25.82	-143.21	-360.41	307.13	671.56	622.49	49.08	13.684		
5,500.00	5,435.63	5,457.52	5,426.14	26.13	26.17	-144.20	-358.34	305.76	684.69	634.86	49.83	13.741		
5,600.00	5,534.34	5,558.88	5,527.43	26.61	26.53	-145.29	-355.20	303.59	698.05	647.41	50.64	13.785		
5,700.00	5,633.05	5,654.25	5,622.73	27.09	26.88	-146.28	-352.39	301.53	711.53	660.14	51.39	13.847		
5,800.00	5,731.76	5,743.03	5,711.50	27.57	27.20	-146.98	-351.07	301.72	726.06	673.98	52.07	13.943		
5,900.00	5,830.47	5,842.66	5,811.11	28.05	27.55	-147.63	-350.14	303.38	741.44	688.54	52.90	14.016		
6,000.00	5,929.18	5,961.92	5,930.36	28.53	28.01	-148.45	-349.76	303.21	755.14	701.19	53.96	13.996		
6,100.00	6,027.90	6,048.35	6,016.79	29.01	28.35	-149.06	-349.25	302.50	768.65	714.00	54.65	14.064		
6,200.00	6,126.61	6,150.48	6,118.91	29.49	28.74	-149.74	-348.50	302.14	782.71	727.20	55.52	14.099		
6,300.00	6,225.32	6,243.66	6,212.07	29.97	29.09	-150.39	-347.10	301.38	797.06	740.78	56.28	14.163		
6,311.21	6,236.38	6,254.13	6,222.54	30.03	29.13	-150.47	-346.85	301.26	798.72	742.35	56.36	14.171		
6,350.00	6,274.70	6,290.41	6,258.81	30.21	29.27	-128.48	-346.05	300.97	803.67	747.02	56.65	14.186		
6,400.00	6,324.03	6,336.28	6,304.67	30.43	29.43	-103.12	-345.12	300.89	807.75	750.75	57.00	14.171		
6,450.00	6,373.00	6,378.30	6,346.68	30.65	29.59	-86.75	-344.23	301.16	809.44	752.16	57.29	14.130		
6,500.00	6,421.31	6,419.87	6,388.23	30.84	29.74	-77.34	-343.23	301.80	808.91	751.36	57.55	14.056		
6,550.00	6,468.66	6,450.91	6,419.25	31.03	29.84	-71.74	-342.36	302.76	806.52	748.87	57.65	13.991		
6,600.00	6,514.76	6,480.54	6,448.81	31.20	29.95	-68.43	-341.36	304.44	802.75	745.06	57.69	13.914		
6,650.00	6,559.32	6,519.00	6,487.09	31.37	30.08	-66.84	-339.80	307.74	797.79	739.92	57.87	13.785		
6,700.00	6,602.08	6,539.54	6,507.47	31.52	30.15	-65.70	-338.99	310.17	791.49	733.76	57.73	13.711		
6,750.00	6,642.77	6,569.90	6,537.44	31.65	30.25	-65.52	-338.13	314.94	784.14	726.38	57.76	13.575		
6,800.00	6,681.13	6,600.67	6,567.55	31.78	30.35	-65.88	-337.70	321.20	775.74	717.91	57.83	13.415		
6,850.00	6,716.93	6,629.00	6,595.00	31.89	30.44	-66.56	-337.64	328.23	766.43	708.55	57.88	13.242		
6,900.00	6,749.95	6,655.30	6,620.19	31.99	30.52	-67.52	-337.63	335.80	756.51	698.58	57.93	13.059		
6,950.00	6,779.98	6,685.79	6,648.93	32.08	30.61	-68.93	-337.84	345.96	746.09	687.93	58.16	12.828		
7,000.00	6,806.85	6,720.09	6,680.38	32.16	30.71	-70.72	-338.98	359.59	735.02	676.45	58.58	12.548		
7,050.00	6,830.38	6,755.88	6,712.44	32.24	30.81	-72.84	-340.79	375.39	723.32	664.19	59.13	12.232		
7,100.00	6,850.43	6,791.84	6,743.93	32.35	30.91	-75.23	-343.08	392.57	711.16	651.35	59.81	11.890		
7,150.00	6,866.88	6,819.39	6,767.56	32.59	30.97	-77.43	-345.05	406.60	698.91	638.48	60.43	11.565		
7,200.00	6,879.62	6,842.07	6,786.73	32.99	31.03	-79.52	-346.40	418.65	687.35	626.25	61.10	11.250		
7,250.00	6,888.58	6,864.01	6,805.02	33.48	31.08	-81.64	-347.42	430.73	676.82	614.93	61.89	10.936		
7,300.00	6,893.70	6,885.13	6,822.37	34.02	31.13	-83.75	-348.14	442.75	667.62	604.82	62.79	10.632		
7,339.40	6,895.01	6,901.58	6,835.71	34.48	31.17	-85.40	-348.51	452.36	661.52	597.94	63.58	10.405		
7,400.00	6,895.16	6,932.64	6,860.31	35.24	31.22	-87.54	-349.06	471.31	654.89	589.95	64.94	10.085		
7,484.41	6,895.39	6,982.60	6,897.99	36.42	31.32	-90.84	-349.69	504.09	651.65	584.80	66.84	9.749		
7,500.00	6,895.43	6,992.78	6,905.37	36.64	31.34	-91.49	-349.79	511.11	651.75	584.58	67.17	9.703		
7,600.00	6,895.69	7,059.81	6,951.57	38.20	31.44	-95.53	-349.85	559.65	657.12	587.86	69.26	9.488		
7,700.00	6,895.95	7,149.35	7,006.78	39.91	31.55	-100.26	-348.86	630.07	668.84	597.61	71.23	9.390		
7,800.00	6,896.21	7,283.29	7,074.69	41.75	32.48	-105.90	-349.19	745.34	681.71	608.41	73.30	9.301		
7,900.00	6,896.47	7,419.32	7,125.73	43.69	34.19	-110.07	-353.82	871.22	690.45	614.75	75.71	9.120		
8,000.00	6,896.74	7,578.35	7,152.89	45.73	36.70	-112.30	-359.11	1,027.23	693.38	614.06	79.32	8.741		
8,100.00	6,897.00	7,674.97	7,157.18	47.85	38.47	-112.70	-361.63	1,123.72	692.45	609.70	82.76	8.367		
8,147.02	6,897.12	7,717.32	7,158.66	48.88	39.29	-112.83	-362.36	1,166.03	692.25	607.85	84.39	8.202		
8,200.00	6,897.26	7,762.05	7,159.51	50.04	40.20	-112.88	-362.32	1,210.76	692.56	606.32	86.25	8.030		
8,300.00	6,897.52	7,855.76	7,159.17	52.30	42.19	-112.77	-360.03	1,304.44	694.44	604.24	90.19	7.699		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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		
8,400.00	6,897.78	7,958.78	7,156.97	54.61	44.51	-112.48	-356.65	1,407.38	696.42	601.77	94.65	7.358		
8,500.00	6,898.05	8,048.50	7,154.41	56.98	46.65	-112.16	-353.31	1,496.99	698.59	599.68	98.91	7.063		
8,600.00	6,898.31	8,138.24	7,153.49	59.38	48.86	-111.94	-348.85	1,586.62	702.58	599.35	103.23	6.806		
8,700.00	6,898.57	8,233.40	7,153.78	61.82	51.29	-111.79	-343.58	1,681.63	707.61	599.81	107.80	6.564		
8,800.00	6,898.83	8,329.39	7,154.97	64.30	53.81	-111.70	-338.11	1,777.46	713.14	600.67	112.47	6.341		
8,900.00	6,899.10	8,433.85	7,156.35	66.81	56.63	-111.61	-332.00	1,881.73	718.86	601.31	117.54	6.116		
9,000.00	6,899.36	8,570.01	7,156.86	69.34	60.41	-111.49	-327.54	2,017.80	721.93	598.10	123.82	5.830		
9,100.00	6,899.62	8,665.05	7,157.20	71.90	63.13	-111.47	-326.53	2,112.83	722.81	594.08	128.73	5.615		
9,200.00	6,899.88	8,762.16	7,157.14	74.48	65.95	-111.42	-325.21	2,209.93	723.84	590.05	133.79	5.410		
9,300.00	6,900.14	8,859.94	7,157.04	77.08	68.81	-111.34	-323.34	2,307.69	725.36	586.43	138.93	5.221		
9,400.00	6,900.41	8,963.31	7,157.17	79.70	71.88	-111.29	-321.81	2,411.06	726.56	582.25	144.31	5.035		
9,500.00	6,900.67	9,065.31	7,157.09	82.33	74.94	-111.22	-320.29	2,513.04	727.71	578.02	149.70	4.861		
9,600.00	6,900.93	9,167.61	7,154.35	84.97	78.03	-110.96	-318.59	2,615.29	728.07	572.77	155.30	4.688		
9,700.00	6,901.19	9,262.35	7,151.82	87.63	80.91	-110.70	-316.46	2,709.97	729.00	568.33	160.68	4.537		
9,800.00	6,901.45	9,357.29	7,151.65	90.31	83.82	-110.62	-314.63	2,804.89	730.53	564.59	165.94	4.402		
9,900.00	6,901.72	9,446.12	7,152.58	92.99	86.56	-110.61	-312.40	2,893.69	733.06	562.15	170.91	4.289		
10,000.00	6,901.98	9,542.65	7,154.64	95.68	89.54	-110.64	-308.52	2,990.11	737.33	561.16	176.18	4.185		
10,100.00	6,902.24	9,667.89	7,154.85	98.38	93.44	-110.55	-305.32	3,115.31	739.57	556.84	182.73	4.047		
10,200.00	6,902.50	9,757.51	7,153.95	101.09	96.25	-110.44	-304.16	3,204.91	740.28	552.34	187.94	3.939		
10,300.00	6,902.76	9,857.41	7,153.49	103.81	99.39	-110.31	-301.20	3,304.76	742.68	549.10	193.58	3.837		
10,400.00	6,903.03	9,946.96	7,152.87	106.53	102.21	-110.19	-298.65	3,394.27	744.94	546.13	198.80	3.747		
10,500.00	6,903.29	10,068.87	7,154.22	109.26	106.06	-110.18	-295.38	3,516.13	747.80	542.56	205.24	3.644		
10,600.00	6,903.55	10,162.89	7,154.22	112.00	109.05	-110.14	-294.55	3,610.14	748.43	537.80	210.63	3.553		
10,700.00	6,903.81	10,259.00	7,153.78	114.75	112.11	-110.05	-292.68	3,706.23	749.89	533.72	216.17	3.469		
10,800.00	6,904.08	10,360.31	7,154.06	117.49	115.34	-110.00	-290.79	3,807.52	751.52	529.64	221.88	3.387		
10,900.00	6,904.34	10,468.80	7,153.54	120.25	119.46	-109.97	-291.69	3,935.99	750.33	521.79	228.53	3.283		
11,000.00	6,904.60	10,581.67	7,151.42	123.00	122.45	-109.82	-292.54	4,028.83	748.48	514.35	234.12	3.197		
11,100.00	6,904.86	10,673.95	7,150.33	125.77	125.42	-109.73	-292.65	4,121.11	747.75	508.13	239.62	3.121		
11,154.23	6,905.00	10,726.04	7,149.71	127.27	127.09	-109.67	-292.39	4,173.19	747.67	504.98	242.69	3.081		
11,200.00	6,905.12	10,770.43	7,149.13	128.53	128.52	-109.62	-292.04	4,217.57	747.72	502.41	245.31	3.048		
11,300.00	6,905.39	10,862.58	7,149.45	131.30	131.50	-109.61	-291.50	4,309.72	748.19	497.51	250.68	2.985		
11,400.00	6,905.65	10,954.85	7,151.51	134.08	134.48	-109.70	-289.65	4,401.94	750.57	494.65	255.92	2.933		
11,500.00	6,905.91	11,082.21	7,153.45	136.85	138.60	-109.83	-290.27	4,529.28	750.24	487.79	262.46	2.859		
11,600.00	6,906.17	11,184.01	7,154.15	139.63	141.91	-109.91	-292.02	4,631.06	748.65	480.56	268.09	2.792		
11,700.00	6,906.43	11,281.83	7,153.60	142.42	145.09	-109.89	-293.17	4,728.87	747.14	473.38	273.76	2.729		
11,800.00	6,906.70	11,376.27	7,152.94	145.20	148.16	-109.84	-293.73	4,823.30	746.13	466.79	279.34	2.671		
11,881.98	6,906.91	11,453.90	7,151.94	147.49	150.68	-109.75	-293.41	4,900.94	745.92	461.91	284.00	2.626		
11,900.00	6,906.96	11,471.13	7,151.66	147.99	151.24	-109.72	-293.26	4,918.16	745.93	460.88	285.04	2.617		
12,000.00	6,907.22	11,564.78	7,149.78	150.78	154.29	-109.53	-291.89	5,011.78	746.42	455.63	290.79	2.567		
12,100.00	6,907.48	11,650.00	7,147.72	153.57	157.06	-109.32	-289.87	5,096.95	747.75	451.56	296.19	2.525 ES, SF		
12,200.00	6,907.74	11,650.00	7,147.72	156.37	157.06	-109.32	-289.87	5,096.95	757.32	462.65	294.67	2.570		
12,300.00	6,908.01	11,650.00	7,147.72	159.17	157.06	-109.32	-289.87	5,096.95	779.71	491.09	288.62	2.702		
12,400.00	6,908.27	11,650.00	7,147.72	161.97	157.06	-109.32	-289.87	5,096.95	813.84	534.80	279.05	2.916		
12,500.00	6,908.53	11,650.00	7,147.72	164.77	157.06	-109.32	-289.87	5,096.95	858.34	591.13	267.21	3.212		
12,600.00	6,908.79	11,650.00	7,147.72	167.57	157.06	-109.32	-289.87	5,096.95	911.67	657.42	254.26	3.586		
12,700.00	6,909.06	11,650.00	7,147.72	170.38	157.06	-109.32	-289.87	5,096.95	972.39	731.32	241.07	4.034		
12,800.00	6,909.32	11,650.00	7,147.72	173.18	157.06	-109.32	-289.87	5,096.95	1,039.21	810.95	228.26	4.553		
12,900.00	6,909.58	11,650.00	7,147.72	175.99	157.06	-109.32	-289.87	5,096.95	1,111.02	894.84	216.18	5.139		
13,000.00	6,909.84	11,650.00	7,147.72	178.80	157.06	-109.32	-289.87	5,096.95	1,186.91	981.92	204.99	5.790		
13,100.00	6,910.10	11,650.00	7,147.72	181.61	157.06	-109.32	-289.87	5,096.95	1,266.16	1,071.40	194.76	6.501		
13,200.00	6,910.37	11,650.00	7,147.72	184.42	157.06	-109.32	-289.87	5,096.95	1,348.17	1,162.69	185.48	7.269		
13,300.00	6,910.63	11,650.00	7,147.72	187.24	157.06	-109.32	-289.87	5,096.95	1,432.47	1,255.39	177.08	8.090		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	6,910.89	11,650.00	7,147.72	190.05	157.06	-109.32	-289.87	5,096.95	1,518.67	1,349.18	169.50	8.960		
13,500.00	6,911.15	11,650.00	7,147.72	192.87	157.06	-109.32	-289.87	5,096.95	1,606.48	1,443.82	162.66	9.877		
13,600.00	6,911.41	11,650.00	7,147.72	195.68	157.06	-109.32	-289.87	5,096.95	1,695.63	1,539.15	156.48	10.836		
13,700.00	6,911.68	11,650.00	7,147.72	198.50	157.06	-109.32	-289.87	5,096.95	1,785.94	1,635.04	150.90	11.835		
13,800.00	6,911.94	11,650.00	7,147.72	201.32	157.06	-109.32	-289.87	5,096.95	1,877.23	1,731.37	145.85	12.871		
13,900.00	6,912.20	11,650.00	7,147.72	204.14	157.06	-109.32	-289.87	5,096.95	1,969.36	1,828.09	141.28	13.940		
14,000.00	6,912.46	11,650.00	7,147.72	206.96	157.06	-109.32	-289.87	5,096.95	2,062.23	1,925.11	137.12	15.040		
14,100.00	6,912.72	11,650.00	7,147.72	209.78	157.06	-109.32	-289.87	5,096.95	2,155.73	2,022.40	133.33	16.168		
14,200.00	6,912.99	11,650.00	7,147.72	212.61	157.06	-109.32	-289.87	5,096.95	2,249.80	2,119.92	129.88	17.322		
14,300.00	6,913.25	11,650.00	7,147.72	215.43	157.06	-109.32	-289.87	5,096.95	2,344.35	2,217.63	126.72	18.500		
14,400.00	6,913.51	11,650.00	7,147.72	218.26	157.06	-109.32	-289.87	5,096.95	2,439.34	2,315.51	123.83	19.698		
14,500.00	6,913.77	11,650.00	7,147.72	221.08	157.06	-109.32	-289.87	5,096.95	2,534.72	2,413.54	121.18	20.916		
14,600.00	6,914.04	11,650.00	7,147.72	223.91	157.06	-109.32	-289.87	5,096.95	2,630.44	2,511.69	118.75	22.152		
14,700.00	6,914.30	11,650.00	7,147.72	226.73	157.06	-109.32	-289.87	5,096.95	2,726.46	2,609.96	116.50	23.403		
14,800.00	6,914.56	11,650.00	7,147.72	229.56	157.06	-109.32	-289.87	5,096.95	2,822.77	2,708.33	114.43	24.668		
14,900.00	6,914.82	11,650.00	7,147.72	232.39	157.06	-109.32	-289.87	5,096.95	2,919.32	2,806.80	112.52	25.945		
15,000.00	6,915.08	11,650.00	7,147.72	235.22	157.06	-109.32	-289.87	5,096.95	3,016.09	2,905.34	110.75	27.234		
15,100.00	6,915.35	11,650.00	7,147.72	238.05	157.06	-109.32	-289.87	5,096.95	3,113.07	3,003.96	109.11	28.532		
15,200.00	6,915.61	11,650.00	7,147.72	240.88	157.06	-109.32	-289.87	5,096.95	3,210.24	3,102.65	107.58	29.839		
15,300.00	6,915.87	11,650.00	7,147.72	243.71	157.06	-109.32	-289.87	5,096.95	3,307.57	3,201.40	106.17	31.154		
15,400.00	6,916.13	11,650.00	7,147.72	246.54	157.06	-109.32	-289.87	5,096.95	3,405.06	3,300.21	104.85	32.475		
15,500.00	6,916.39	11,650.00	7,147.72	249.37	157.06	-109.32	-289.87	5,096.95	3,502.69	3,399.06	103.62	33.802		
15,600.00	6,916.66	11,650.00	7,147.72	252.20	157.06	-109.32	-289.87	5,096.95	3,600.45	3,497.97	102.48	35.134		
15,700.00	6,916.92	11,650.00	7,147.72	255.03	157.06	-109.32	-289.87	5,096.95	3,698.33	3,596.92	101.41	36.469		
15,800.00	6,917.18	11,650.00	7,147.72	257.87	157.06	-109.32	-289.87	5,096.95	3,796.32	3,695.91	100.41	37.808		
15,900.00	6,917.44	11,650.00	7,147.72	260.70	157.06	-109.32	-289.87	5,096.95	3,894.41	3,794.94	99.47	39.150		
16,000.00	6,917.70	11,650.00	7,147.72	263.53	157.06	-109.32	-289.87	5,096.95	3,992.60	3,894.00	98.60	40.494		
16,100.00	6,917.97	11,650.00	7,147.72	266.37	157.06	-109.32	-289.87	5,096.95	4,090.87	3,993.10	97.78	41.839		
16,200.00	6,918.23	11,650.00	7,147.72	269.20	157.06	-109.32	-289.87	5,096.95	4,189.23	4,092.22	97.01	43.186		
16,300.00	6,918.49	11,650.00	7,147.72	272.04	157.06	-109.32	-289.87	5,096.95	4,287.66	4,191.38	96.28	44.532		
16,400.00	6,918.75	11,650.00	7,147.72	274.87	157.06	-109.32	-289.87	5,096.95	4,386.17	4,290.56	95.60	45.879		
16,500.00	6,919.02	11,650.00	7,147.72	277.71	157.06	-109.32	-289.87	5,096.95	4,484.74	4,389.77	94.96	47.226		
16,600.00	6,919.28	11,650.00	7,147.72	280.55	157.06	-109.32	-289.87	5,096.95	4,583.37	4,489.01	94.36	48.573		
16,700.00	6,919.54	11,650.00	7,147.72	283.38	157.06	-109.32	-289.87	5,096.95	4,682.06	4,588.26	93.80	49.918		
16,800.00	6,919.80	11,650.00	7,147.72	286.22	157.06	-109.32	-289.87	5,096.95	4,780.80	4,687.54	93.26	51.262		
16,900.00	6,920.06	11,650.00	7,147.72	289.06	157.06	-109.32	-289.87	5,096.95	4,879.60	4,786.84	92.76	52.604		
17,000.00	6,920.33	11,650.00	7,147.72	291.90	157.06	-109.32	-289.87	5,096.95	4,978.44	4,886.15	92.29	53.945		
17,100.00	6,920.59	11,650.00	7,147.72	294.73	157.06	-109.32	-289.87	5,096.95	5,077.33	4,985.49	91.84	55.284		
17,200.00	6,920.85	11,650.00	7,147.72	297.57	157.06	-109.32	-289.87	5,096.95	5,176.26	5,084.84	91.42	56.621		
17,300.00	6,921.11	11,650.00	7,147.72	300.41	157.06	-109.32	-289.87	5,096.95	5,275.23	5,184.21	91.02	57.955		
17,400.00	6,921.37	11,650.00	7,147.72	303.25	157.06	-109.32	-289.87	5,096.95	5,374.24	5,283.59	90.65	59.287		
17,500.00	6,921.64	11,650.00	7,147.72	306.09	157.06	-109.32	-289.87	5,096.95	5,473.29	5,382.99	90.29	60.616		
17,600.00	6,921.90	11,650.00	7,147.72	308.93	157.06	-109.32	-289.87	5,096.95	5,572.37	5,482.41	89.96	61.942		
17,638.91	6,922.00	11,650.00	7,147.72	310.03	157.06	-109.32	-289.87	5,096.95	5,610.92	5,521.09	89.84	62.457		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	73.31	158.48	528.63	551.92					
100.00	100.00	99.83	99.83	3.28	3.29	73.32	158.25	528.06	551.30	544.73	6.57	83.878		
200.00	200.00	202.96	202.94	3.34	3.32	73.33	157.62	526.35	549.53	542.87	6.66	82.513		
267.01	267.00	267.16	267.13	3.40	3.38	-123.73	157.66	525.30	548.93	542.15	6.78	80.991 CC, ES		
300.00	299.98	297.99	297.96	3.44	3.41	-123.84	157.88	524.88	549.10	542.25	6.85	80.154		
400.00	399.84	392.00	391.96	3.59	3.55	-124.40	159.44	524.05	551.69	544.56	7.13	77.332		
500.00	499.45	484.08	483.96	3.79	3.71	-125.35	162.95	523.59	557.41	549.90	7.51	74.268		
600.00	598.70	574.26	573.90	4.04	3.92	-126.73	169.54	523.66	567.11	559.15	7.96	71.280		
660.50	658.52	632.16	631.58	4.20	4.06	-127.77	174.53	523.80	574.63	566.36	8.27	69.479		
700.00	697.51	669.73	669.00	4.31	4.16	-128.54	177.85	523.92	579.98	571.50	8.49	68.331		
800.00	796.22	764.94	763.85	4.63	4.44	-130.42	186.13	524.50	594.24	585.17	9.07	65.490		
900.00	894.93	857.68	856.10	4.98	4.75	-132.30	195.61	524.75	609.51	599.80	9.70	62.812		
1,000.00	993.64	946.73	944.31	5.34	5.07	-134.30	207.79	524.56	626.63	616.26	10.37	60.445		
1,100.00	1,092.35	1,039.32	1,035.58	5.73	5.43	-136.52	223.28	523.40	645.25	634.16	11.08	58.228		
1,200.00	1,191.06	1,130.72	1,125.38	6.13	5.83	-138.75	240.22	521.82	665.44	653.62	11.82	56.282		
1,300.00	1,289.78	1,225.88	1,218.89	6.54	6.26	-140.93	257.83	520.16	686.64	674.04	12.60	54.475		
1,400.00	1,388.49	1,318.32	1,309.70	6.95	6.69	-142.93	274.99	518.80	709.02	695.64	13.39	52.959		
1,500.00	1,487.20	1,421.94	1,411.60	7.38	7.19	-145.01	293.76	517.02	731.82	717.57	14.24	51.375		
1,600.00	1,585.91	1,524.34	1,512.54	7.81	7.68	-146.90	310.74	514.31	753.71	738.60	15.11	49.896		
1,700.00	1,684.62	1,620.21	1,607.01	8.25	8.15	-148.57	326.90	511.88	776.55	760.61	15.94	48.725		
1,800.00	1,783.33	1,718.91	1,704.40	8.70	8.64	-150.19	342.53	508.57	798.74	781.95	16.79	47.564		
1,900.00	1,882.04	1,801.04	1,785.35	9.15	9.05	-151.47	356.26	506.52	822.67	805.12	17.55	46.884		
2,000.00	1,980.75	1,887.71	1,870.79	9.60	9.50	-152.68	370.81	505.75	848.21	829.88	18.33	46.282		
2,100.00	2,079.46	1,973.60	1,955.39	10.05	9.94	-153.81	385.65	505.73	875.05	855.95	19.10	45.817		
2,200.00	2,178.17	2,055.17	2,035.52	10.51	10.37	-154.86	400.91	505.89	903.45	883.61	19.84	45.537		
2,300.00	2,276.88	2,177.75	2,155.89	10.97	11.03	-156.43	423.99	504.48	931.52	910.62	20.90	44.576		
2,400.00	2,375.59	2,280.22	2,256.74	11.43	11.58	-157.72	441.74	500.75	957.29	935.48	21.81	43.891		
2,500.00	2,474.31	2,357.36	2,332.38	11.89	12.00	-158.70	456.61	497.80	984.84	962.30	22.54	43.700		
2,600.00	2,573.02	2,455.04	2,428.22	12.36	12.54	-159.83	475.19	494.97	1,013.15	989.73	23.42	43.258		
2,700.00	2,671.73	2,541.77	2,513.46	12.82	13.02	-160.73	491.16	493.27	1,041.83	1,017.62	24.21	43.027		
2,800.00	2,770.44	2,610.55	2,580.91	13.29	13.40	-161.39	504.55	492.99	1,072.42	1,047.56	24.85	43.154		
2,900.00	2,869.15	2,704.36	2,672.74	13.76	13.94	-162.24	523.79	493.32	1,104.46	1,078.76	25.70	42.976		
3,000.00	2,967.86	2,804.25	2,770.50	14.23	14.51	-163.13	544.29	492.85	1,136.31	1,109.71	26.61	42.709		
3,100.00	3,066.57	2,909.61	2,873.63	14.70	15.11	-164.07	565.75	491.05	1,167.63	1,140.07	27.56	42.362		
3,200.00	3,165.28	3,003.98	2,966.10	15.17	15.65	-164.85	584.54	489.43	1,198.81	1,170.38	28.43	42.173		
3,300.00	3,263.99	3,107.93	3,068.03	15.64	16.24	-165.68	604.79	487.12	1,229.56	1,200.19	29.37	41.864		
3,400.00	3,362.70	3,207.04	3,165.39	16.11	16.80	-166.39	623.24	485.40	1,260.02	1,229.75	30.27	41.624		
3,500.00	3,461.41	3,304.22	3,260.92	16.59	17.34	-167.05	640.96	483.46	1,290.19	1,259.03	31.15	41.414		
3,600.00	3,560.12	3,394.21	3,349.49	17.06	17.84	-167.57	656.90	483.00	1,320.72	1,288.75	31.97	41.308		
3,700.00	3,658.84	3,491.27	3,445.04	17.53	18.37	-168.09	673.90	482.90	1,351.39	1,318.54	32.85	41.141		
3,800.00	3,757.55	3,595.14	3,547.36	18.01	18.94	-168.62	691.78	482.61	1,381.82	1,348.04	33.78	40.905		
3,900.00	3,856.26	3,696.23	3,637.18	18.48	19.43	-169.08	706.95	481.92	1,411.66	1,377.05	34.61	40.789		
4,000.00	3,954.97	3,794.19	3,703.99	18.96	19.81	-169.42	719.34	481.56	1,443.00	1,407.76	35.24	40.953		
4,100.00	4,053.68	3,841.91	3,790.05	19.44	20.31	-169.86	736.38	481.08	1,475.46	1,439.42	36.04	40.941		
4,200.00	4,152.39	3,937.18	3,883.42	19.91	20.86	-170.34	755.26	480.13	1,508.17	1,471.26	36.91	40.857		
4,300.00	4,251.10	4,032.94	3,996.98	20.39	21.53	-170.93	777.67	478.10	1,540.27	1,502.29	37.97	40.560		
4,400.00	4,349.81	4,131.51	4,093.76	20.87	22.09	-171.40	796.24	476.05	1,571.88	1,533.00	38.88	40.429		
4,500.00	4,448.52	4,232.53	4,193.06	21.34	22.66	-171.89	814.49	473.02	1,602.52	1,562.71	39.81	40.259		
4,600.00	4,547.23	4,330.00	4,259.34	21.82	23.04	-172.17	827.11	472.20	1,634.45	1,594.02	40.43	40.425		
4,700.00	4,645.94	4,427.62	4,365.05	22.30	23.65	-172.57	847.30	471.84	1,666.92	1,625.50	41.42	40.248		
4,800.00	4,744.65	4,530.02	4,465.72	22.78	24.23	-172.95	865.98	470.76	1,698.70	1,656.35	42.35	40.109		
4,900.00	4,843.37	4,629.00	4,563.11	23.26	24.78	-173.32	883.59	468.96	1,729.84	1,686.58	43.26	39.988		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,942.08	4,700.67	4,633.58	23.74	25.18	-173.57	896.64	468.40	1,761.78	1,717.86	43.92	40.112		
5,100.00	5,040.79	4,813.87	4,744.91	24.21	25.82	-173.92	917.08	468.02	1,793.79	1,748.84	44.95	39.903		
5,200.00	5,139.50	4,916.58	4,846.01	24.69	26.39	-174.24	935.21	467.06	1,825.30	1,779.41	45.89	39.774		
5,300.00	5,238.21	5,028.22	4,956.00	25.17	27.00	-174.58	954.20	465.30	1,856.02	1,809.11	46.91	39.570		
5,400.00	5,336.92	5,116.04	5,042.65	25.65	27.48	-174.82	968.50	464.55	1,886.42	1,838.70	47.71	39.537		
5,500.00	5,435.63	5,197.61	5,122.95	26.13	27.93	-175.06	982.78	463.51	1,917.75	1,869.29	48.47	39.569		
5,600.00	5,534.34	5,303.05	5,226.79	26.61	28.52	-175.37	1,000.99	461.45	1,948.69	1,899.26	49.43	39.421		
5,700.00	5,633.05	5,380.25	5,302.68	27.09	28.95	-175.62	1,014.93	459.31	1,980.13	1,929.98	50.15	39.483		
5,800.00	5,731.76	5,460.01	5,381.06	27.57	29.41	-175.84	1,029.63	458.10	2,012.36	1,961.47	50.89	39.543		
5,900.00	5,830.47	5,600.44	5,519.35	28.05	30.18	-176.18	1,054.03	456.85	2,043.89	1,991.72	52.16	39.182		
6,000.00	5,929.18	5,795.12	5,712.04	28.53	31.19	-176.60	1,081.48	453.86	2,072.47	2,018.65	53.81	38.514		
6,100.00	6,027.90	6,130.20	6,046.39	29.01	32.54	-176.95	1,098.17	449.91	2,092.23	2,036.29	55.94	37.400		
6,200.00	6,126.61	6,214.85	6,131.03	29.49	32.81	-176.95	1,097.40	450.11	2,107.44	2,050.74	56.70	37.170		
6,300.00	6,225.32	6,310.37	6,226.54	29.97	33.12	-176.96	1,096.73	450.69	2,122.97	2,065.48	57.49	36.925		
6,311.21	6,236.38	6,321.11	6,237.28	30.03	33.15	-176.95	1,096.62	450.87	2,124.72	2,067.14	57.58	36.897		
6,350.00	6,274.70	6,349.05	6,265.22	30.21	33.24	-154.48	1,096.41	451.39	2,130.49	2,072.63	57.86	36.822		
6,400.00	6,324.03	6,386.71	6,302.87	30.43	33.37	-128.37	1,096.27	452.21	2,136.96	2,078.75	58.20	36.715		
6,450.00	6,373.00	6,410.00	6,326.15	30.65	33.45	-111.12	1,096.26	452.79	2,142.39	2,083.92	58.47	36.641		
6,500.00	6,421.31	6,438.38	6,354.50	30.84	33.54	-100.67	1,096.38	454.09	2,146.95	2,088.22	58.73	36.554		
6,550.00	6,468.66	6,458.84	6,374.90	31.03	33.61	-94.06	1,096.55	455.72	2,150.81	2,091.87	58.94	36.492		
6,600.00	6,514.76	6,479.18	6,395.12	31.20	33.68	-89.67	1,096.80	457.90	2,153.93	2,094.80	59.13	36.429		
6,650.00	6,559.32	6,505.00	6,420.68	31.37	33.77	-86.69	1,097.23	461.50	2,156.32	2,096.99	59.33	36.344		
6,700.00	6,602.08	6,505.00	6,420.68	31.52	33.77	-84.34	1,097.23	461.50	2,158.06	2,098.70	59.37	36.350		
6,750.00	6,642.77	6,505.00	6,420.68	31.65	33.77	-82.55	1,097.23	461.50	2,159.50	2,100.12	59.39	36.363		
6,800.00	6,681.13	6,505.00	6,420.68	31.78	33.77	-81.16	1,097.23	461.50	2,160.63	2,101.23	59.40	36.376		
6,850.00	6,716.93	6,546.41	6,461.11	31.89	33.92	-80.70	1,098.55	470.26	2,159.90	2,100.19	59.71	36.175		
6,900.00	6,749.95	6,557.25	6,471.50	31.99	33.96	-80.08	1,099.07	473.29	2,159.51	2,099.68	59.83	36.094		
6,931.13	6,769.01	6,563.91	6,477.84	32.04	33.98	-79.80	1,099.43	475.31	2,159.04	2,099.11	59.93	36.028		
6,950.00	6,779.98	6,600.00	6,511.46	32.08	34.11	-80.16	1,101.82	488.16	2,159.55	2,099.33	60.22	35.859		
7,000.00	6,806.85	6,600.00	6,511.46	32.16	34.11	-79.79	1,101.82	488.16	2,157.75	2,097.40	60.35	35.754		
7,050.00	6,830.38	6,600.00	6,511.46	32.24	34.11	-79.54	1,101.82	488.16	2,155.73	2,095.21	60.52	35.619		
7,100.00	6,850.43	6,600.00	6,511.46	32.35	34.11	-79.40	1,101.82	488.16	2,153.52	2,092.77	60.75	35.449		
7,150.00	6,866.88	7,150.00	6,572.54	32.59	36.09	-80.71	1,105.95	514.18	2,150.08	2,086.64	63.45	33.887		
7,200.00	6,879.62	7,739.31	6,639.77	32.99	34.59	-82.42	1,109.82	541.78	2,145.95	2,083.45	62.50	34.337		
7,250.00	6,888.58	6,904.39	6,782.30	33.48	35.04	-86.16	1,107.07	623.30	2,139.26	2,075.25	64.00	33.425		
7,300.00	6,893.70	6,923.74	6,797.31	34.02	35.08	-87.06	1,105.82	635.45	2,132.41	2,067.77	64.64	32.987		
7,339.40	6,895.01	6,932.00	6,803.62	34.48	35.09	-87.69	1,105.31	640.75	2,127.07	2,061.93	65.15	32.651		
7,400.00	6,895.16	6,959.62	6,824.33	35.24	35.15	-88.25	1,103.73	658.94	2,119.52	2,053.45	66.07	32.078		
7,500.00	6,895.43	7,005.88	6,857.50	36.64	35.25	-89.14	1,101.44	691.10	2,109.82	2,042.04	67.78	31.130		
7,600.00	6,895.69	7,061.64	6,894.38	38.20	35.37	-90.15	1,098.85	732.81	2,102.97	2,033.23	69.74	30.156		
7,700.00	6,895.95	7,100.32	6,917.65	39.91	35.47	-90.78	1,097.44	763.68	2,099.06	2,027.30	71.76	29.249		
7,767.07	6,896.13	7,125.67	6,931.72	41.14	35.54	-91.16	1,097.03	784.75	2,098.36	2,025.14	73.21	28.660		
7,800.00	6,896.21	7,148.36	6,943.86	41.75	35.61	-91.49	1,096.84	803.92	2,098.46	2,024.44	74.02	28.349		
7,900.00	6,896.47	7,267.61	7,001.86	43.69	36.10	-93.07	1,095.54	907.99	2,099.30	2,022.18	77.12	27.222		
8,000.00	6,896.74	7,312.00	7,018.22	45.73	36.37	-93.51	1,095.82	949.24	2,101.55	2,021.84	79.71	26.365		
8,100.00	6,897.00	7,492.00	7,053.97	47.85	38.29	-94.47	1,097.59	1,125.11	2,104.45	2,020.10	84.35	24.948		
8,129.81	6,897.08	7,514.14	7,055.90	48.50	38.62	-94.52	1,097.40	1,147.17	2,104.36	2,018.96	85.40	24.640		
8,200.00	6,897.26	7,556.75	7,059.54	50.04	39.28	-94.62	1,097.45	1,189.61	2,104.82	2,017.10	87.72	23.994		
8,300.00	6,897.52	7,685.09	7,069.41	52.30	41.56	-94.87	1,098.33	1,317.56	2,106.14	2,013.77	92.36	22.803		
8,301.52	6,897.53	7,686.37	7,069.46	52.34	41.58	-94.87	1,098.33	1,318.84	2,106.14	2,013.71	92.42	22.788		
8,400.00	6,897.78	7,759.59	7,069.25	54.61	43.05	-94.86	1,098.76	1,392.04	2,106.58	2,010.31	96.28	21.881		
8,500.00	6,898.05	7,815.97	7,068.87	56.98	44.25	-94.84	1,100.14	1,448.41	2,108.82	2,008.89	99.93	21.103		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,898.31	7,897.96	7,069.64	59.38	46.08	-94.85	1,103.45	1,530.32	2,112.71	2,008.49	104.22	20.272		
8,700.00	6,898.57	7,996.23	7,069.71	61.82	48.39	-94.84	1,107.72	1,628.50	2,116.90	2,007.89	109.01	19.420		
8,800.00	6,898.83	8,177.40	7,068.96	64.30	52.90	-94.80	1,110.99	1,809.62	2,117.97	2,002.05	115.92	18.271		
8,900.00	6,899.10	8,260.85	7,068.65	66.81	55.08	-94.78	1,111.89	1,893.06	2,118.83	1,998.16	120.67	17.559		
9,000.00	6,899.36	9,000.00	7,071.06	69.34	75.22	-94.84	1,112.37	2,020.93	2,119.18	1,975.79	143.39	14.779		
9,100.00	6,899.62	8,501.00	7,072.45	71.90	61.60	-94.87	1,111.18	2,133.16	2,118.00	1,985.77	132.23	16.017		
9,185.96	6,899.84	8,571.10	7,073.51	74.12	63.58	-94.89	1,110.89	2,203.25	2,117.63	1,981.14	136.48	15.516		
9,200.00	6,899.88	8,582.18	7,073.67	74.48	63.89	-94.90	1,110.90	2,214.33	2,117.64	1,980.47	137.17	15.438		
9,300.00	6,900.14	8,698.87	7,074.03	77.08	67.23	-94.90	1,110.91	2,331.01	2,117.54	1,974.47	143.07	14.801		
9,400.00	6,900.41	8,792.27	7,073.79	79.70	69.94	-94.89	1,110.77	2,424.41	2,117.20	1,968.77	148.43	14.264		
9,500.00	6,900.67	8,953.29	7,072.94	82.33	74.68	-94.86	1,107.22	2,585.38	2,114.44	1,958.84	155.59	13.589		
9,600.00	6,900.93	9,042.10	7,071.38	84.97	77.32	-94.82	1,104.79	2,674.14	2,111.41	1,950.45	160.96	13.117		
9,700.00	6,901.19	9,112.71	7,069.57	87.63	79.45	-94.77	1,103.51	2,744.72	2,109.30	1,943.41	165.89	12.715		
9,781.66	6,901.41	9,167.00	7,067.71	89.82	81.09	-94.71	1,103.46	2,798.98	2,108.83	1,939.01	169.82	12.418		
9,800.00	6,901.45	9,180.77	7,067.17	90.31	81.50	-94.70	1,103.56	2,812.73	2,108.86	1,938.12	170.74	12.351		
9,900.00	6,901.72	9,274.54	7,063.02	92.99	84.36	-94.58	1,104.23	2,906.41	2,109.08	1,932.76	176.32	11.961		
10,000.00	6,901.98	9,336.71	7,062.32	95.68	86.26	-94.55	1,105.26	2,968.56	2,110.50	1,929.49	181.00	11.660		
10,100.00	6,902.24	9,417.38	7,064.38	98.38	88.75	-94.60	1,107.61	3,049.17	2,113.41	1,927.22	186.19	11.351		
10,200.00	6,902.50	9,581.41	7,064.90	101.09	93.83	-94.59	1,110.61	3,213.15	2,115.09	1,921.24	193.86	10.911		
10,300.00	6,902.76	9,672.07	7,065.23	103.81	96.66	-94.60	1,111.15	3,303.81	2,115.56	1,916.14	199.42	10.608		
10,400.00	6,903.03	9,767.52	7,065.43	106.53	99.64	-94.59	1,111.96	3,399.26	2,116.28	1,911.13	205.14	10.316		
10,500.00	6,903.29	9,881.98	7,066.08	109.26	103.24	-94.60	1,113.06	3,513.71	2,117.17	1,905.75	211.43	10.014		
10,600.00	6,903.55	9,987.55	7,066.04	112.00	106.57	-94.59	1,112.86	3,619.28	2,116.81	1,899.34	217.47	9.734		
10,611.12	6,903.58	9,996.72	7,066.07	112.31	106.86	-94.59	1,112.87	3,628.45	2,116.80	1,898.73	218.07	9.707		
10,700.00	6,903.81	10,076.28	7,066.21	114.75	109.38	-94.59	1,113.20	3,708.01	2,117.04	1,893.99	223.05	9.491		
10,800.00	6,904.08	10,161.06	7,064.98	117.49	112.07	-94.55	1,114.02	3,792.78	2,117.76	1,889.22	228.53	9.267		
10,900.00	6,904.34	10,264.49	7,063.31	120.25	115.36	-94.49	1,115.82	3,896.18	2,119.22	1,884.65	234.58	9.034		
11,000.00	6,904.60	10,411.23	7,060.70	123.00	120.04	-94.41	1,115.87	4,042.88	2,118.90	1,877.03	241.87	8.761		
11,082.76	6,904.82	10,468.44	7,060.50	125.29	121.86	-94.40	1,115.63	4,100.09	2,118.40	1,872.32	246.08	8.608		
11,100.00	6,904.86	10,480.36	7,060.50	125.77	122.25	-94.40	1,115.66	4,112.01	2,118.42	1,871.47	246.96	8.578		
11,200.00	6,905.12	10,561.34	7,060.55	128.53	124.84	-94.40	1,116.41	4,192.99	2,119.18	1,866.82	252.36	8.397		
11,300.00	6,905.39	10,670.24	7,060.74	131.30	128.34	-94.39	1,117.79	4,301.87	2,120.32	1,861.72	258.60	8.199		
11,400.00	6,905.65	10,800.75	7,062.52	134.08	132.54	-94.43	1,117.64	4,432.37	2,120.11	1,854.66	265.45	7.987		
11,500.00	6,905.91	10,887.68	7,062.62	136.85	135.34	-94.43	1,117.41	4,519.30	2,119.71	1,848.64	271.07	7.820		
11,515.58	6,905.95	10,901.24	7,062.51	137.29	135.77	-94.43	1,117.44	4,532.86	2,119.70	1,847.75	271.95	7.794		
11,600.00	6,906.17	10,978.55	7,061.80	139.63	138.27	-94.40	1,117.81	4,610.17	2,119.91	1,843.10	276.81	7.658		
11,700.00	6,906.43	11,090.35	7,062.30	142.42	141.88	-94.41	1,117.73	4,721.96	2,119.69	1,836.53	283.16	7.486		
11,722.47	6,906.49	11,108.19	7,062.46	143.04	142.46	-94.41	1,117.72	4,739.80	2,119.67	1,835.29	284.38	7.454		
11,800.00	6,906.70	11,170.57	7,062.77	145.20	144.48	-94.41	1,118.03	4,802.18	2,119.95	1,831.36	288.59	7.346		
11,900.00	6,906.96	11,253.94	7,062.89	147.99	147.18	-94.41	1,119.06	4,885.54	2,121.05	1,826.95	294.10	7.212		
12,000.00	6,907.22	11,331.25	7,063.27	150.78	149.68	-94.41	1,120.72	4,962.84	2,123.08	1,823.68	299.41	7.091		
12,100.00	6,907.48	11,497.22	7,065.49	153.57	155.07	-94.45	1,123.69	5,128.75	2,125.29	1,817.87	307.41	6.913		
12,200.00	6,907.74	11,604.01	7,064.33	156.37	158.54	-94.42	1,122.57	5,235.53	2,123.97	1,810.31	313.65	6.772		
12,275.05	6,907.94	11,660.87	7,063.31	158.47	160.39	-94.39	1,122.48	5,292.38	2,123.63	1,805.95	317.68	6.685		
12,300.00	6,908.01	11,679.41	7,062.94	159.17	161.00	-94.37	1,122.56	5,310.92	2,123.67	1,804.66	319.01	6.657		
12,400.00	6,908.27	11,782.73	7,061.17	161.97	164.36	-94.32	1,123.42	5,414.21	2,124.23	1,799.06	325.17	6.533		
12,500.00	6,908.53	11,868.09	7,061.09	164.77	167.14	-94.31	1,123.76	5,499.58	2,124.50	1,793.72	330.79	6.423		
12,600.00	6,908.79	12,029.53	7,061.08	167.57	172.41	-94.30	1,123.29	5,661.00	2,124.17	1,785.60	338.57	6.274		
12,700.00	6,909.06	12,115.78	7,060.93	170.38	175.22	-94.29	1,121.88	5,747.23	2,122.38	1,778.11	344.28	6.165		
12,800.00	6,909.32	12,195.84	7,060.32	173.18	177.84	-94.27	1,121.32	5,827.29	2,121.46	1,771.67	349.80	6.065		
12,866.94	6,909.49	12,252.82	7,059.98	175.06	179.70	-94.26	1,121.29	5,884.27	2,121.31	1,767.73	353.58	6.000		
12,900.00	6,909.58	12,277.00	7,059.95	175.99	180.49	-94.25	1,121.36	5,908.45	2,121.35	1,766.03	355.32	5.970		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,000.00	6,909.84	12,351.75	7,060.00	178.80	182.94	-94.25	1,122.14	5,983.20	2,122.28	1,761.67	360.61	5.885		
13,100.00	6,910.10	12,459.71	7,060.86	181.61	186.47	-94.26	1,124.00	6,091.13	2,123.92	1,756.99	366.93	5.788		
13,200.00	6,910.37	12,530.75	7,062.26	184.42	188.80	-94.29	1,125.33	6,162.14	2,125.79	1,753.75	372.05	5.714		
13,300.00	6,910.63	12,701.75	7,066.24	187.24	194.40	-94.38	1,126.79	6,333.07	2,126.64	1,746.37	380.27	5.593		
13,400.00	6,910.89	12,787.85	7,066.41	190.05	197.22	-94.38	1,126.43	6,419.17	2,126.11	1,740.15	385.95	5.509		
13,408.13	6,910.91	12,794.12	7,066.38	190.28	197.43	-94.38	1,126.44	6,425.44	2,126.10	1,739.71	386.39	5.502		
13,500.00	6,911.15	12,868.07	7,065.72	192.87	199.85	-94.36	1,126.96	6,499.39	2,126.53	1,735.08	391.46	5.432		
13,600.00	6,911.41	12,958.59	7,064.59	195.68	202.82	-94.32	1,128.22	6,589.90	2,127.67	1,730.41	397.26	5.356		
13,700.00	6,911.68	13,065.35	7,061.88	198.50	206.32	-94.24	1,129.85	6,696.60	2,128.85	1,725.26	403.60	5.275		
13,800.00	6,911.94	13,156.75	7,060.34	201.32	209.32	-94.19	1,130.90	6,787.99	2,129.75	1,720.32	409.44	5.202		
13,900.00	6,912.20	13,233.46	7,058.63	204.14	211.84	-94.13	1,132.83	6,864.65	2,131.88	1,717.09	414.79	5.140		
14,000.00	6,912.46	13,396.18	7,057.05	206.96	217.19	-94.08	1,134.53	7,027.34	2,132.59	1,709.74	422.85	5.043		
14,100.00	6,912.72	13,500.44	7,057.25	209.78	220.62	-94.07	1,134.00	7,131.60	2,131.95	1,702.87	429.08	4.969		
14,200.00	6,912.99	13,636.72	7,060.24	212.61	225.10	-94.15	1,131.65	7,267.81	2,130.17	1,694.07	436.10	4.885		
14,300.00	6,913.25	13,735.98	7,062.32	215.43	228.37	-94.20	1,129.26	7,367.03	2,127.77	1,685.61	442.16	4.812		
14,400.00	6,913.51	13,829.26	7,062.90	218.26	231.44	-94.22	1,127.30	7,460.29	2,125.57	1,677.47	448.10	4.744		
14,500.00	6,913.77	13,925.29	7,062.12	221.08	234.61	-94.19	1,125.71	7,556.29	2,123.71	1,669.59	454.12	4.677		
14,600.00	6,914.04	14,009.32	7,060.28	223.91	237.38	-94.14	1,124.51	7,640.30	2,122.02	1,662.18	459.83	4.615		
14,662.84	6,914.20	14,049.21	7,059.64	225.68	238.69	-94.12	1,124.40	7,680.18	2,121.68	1,658.64	463.04	4.582		
14,700.00	6,914.30	14,074.00	7,059.41	226.73	239.51	-94.11	1,124.54	7,704.97	2,121.79	1,656.86	464.94	4.564		
14,800.00	6,914.56	14,168.17	7,057.69	229.56	242.61	-94.06	1,125.53	7,799.11	2,122.56	1,651.66	470.90	4.507		
14,900.00	6,914.82	14,274.28	7,056.85	232.39	246.11	-94.03	1,126.52	7,905.21	2,123.29	1,646.07	477.21	4.449		
15,000.00	6,915.08	14,382.15	7,056.72	235.22	249.66	-94.01	1,127.04	8,013.07	2,123.60	1,640.03	483.57	4.392		
15,100.00	6,915.35	14,478.88	7,054.85	238.05	252.85	-93.96	1,127.61	8,109.78	2,123.91	1,634.29	489.62	4.338		
15,200.00	6,915.61	14,581.63	7,055.40	240.88	256.24	-93.96	1,128.06	8,212.52	2,124.23	1,628.41	495.81	4.284		
15,300.00	6,915.87	14,675.61	7,055.95	243.71	259.34	-93.97	1,128.33	8,306.50	2,124.42	1,622.67	501.75	4.234		
15,400.00	6,916.13	14,757.79	7,056.69	246.54	262.05	-93.98	1,129.31	8,388.68	2,125.49	1,618.19	507.29	4.190		
15,500.00	6,916.39	14,866.03	7,056.67	249.37	265.63	-93.97	1,130.51	8,496.90	2,126.42	1,612.74	513.68	4.140		
15,600.00	6,916.66	14,958.41	7,057.83	252.20	268.68	-94.00	1,131.78	8,589.27	2,127.72	1,608.18	519.55	4.095		
15,700.00	6,916.92	15,078.35	7,058.59	255.03	272.64	-94.01	1,132.91	8,709.20	2,128.56	1,602.27	526.29	4.044		
15,800.00	6,917.18	15,172.79	7,057.47	257.87	275.75	-93.97	1,133.42	8,803.63	2,128.87	1,596.61	532.26	4.000		
15,900.00	6,917.44	15,264.44	7,057.38	260.70	278.78	-93.96	1,134.46	8,895.28	2,129.84	1,591.71	538.13	3.958		
16,000.00	6,917.70	15,360.91	7,055.95	263.53	281.97	-93.91	1,135.73	8,991.72	2,130.90	1,586.73	544.17	3.916		
16,100.00	6,917.97	15,492.06	7,052.52	266.37	286.30	-93.81	1,136.37	9,122.83	2,130.97	1,579.67	551.30	3.865		
16,123.58	6,918.03	15,510.17	7,052.18	267.04	286.90	-93.80	1,136.40	9,140.93	2,130.94	1,578.34	552.59	3.856		
16,200.00	6,918.23	15,573.82	7,051.52	269.20	289.00	-93.78	1,136.80	9,204.58	2,131.24	1,574.33	556.91	3.827		
16,300.00	6,918.49	15,689.74	7,051.22	272.04	292.83	-93.76	1,137.33	9,320.50	2,131.53	1,568.01	563.52	3.783		
16,400.00	6,918.75	15,797.84	7,050.18	274.87	296.41	-93.72	1,136.99	9,428.59	2,131.00	1,561.09	569.90	3.739		
16,500.00	6,919.02	15,905.87	7,047.21	277.71	299.98	-93.64	1,136.76	9,536.58	2,130.47	1,554.16	576.31	3.697		
16,600.00	6,919.28	15,998.73	7,044.88	280.55	303.05	-93.57	1,136.16	9,629.41	2,129.54	1,547.25	582.29	3.657		
16,700.00	6,919.54	16,091.56	7,043.90	283.38	306.12	-93.54	1,136.11	9,722.23	2,129.26	1,541.02	588.24	3.620		
16,773.79	6,919.73	16,160.51	7,042.83	285.48	308.40	-93.50	1,136.15	9,791.17	2,129.12	1,536.48	592.64	3.593		
16,800.00	6,919.80	16,182.90	7,042.54	286.22	309.14	-93.49	1,136.22	9,813.55	2,129.15	1,535.00	594.14	3.584		
16,900.00	6,920.06	16,287.26	7,041.35	289.06	312.59	-93.45	1,136.74	9,917.90	2,129.44	1,529.01	600.43	3.547		
17,000.00	6,920.33	16,388.02	7,038.85	291.90	315.92	-93.38	1,136.87	10,018.63	2,129.27	1,522.63	606.63	3.510		
17,022.37	6,920.38	16,419.48	7,038.26	292.53	316.96	-93.36	1,136.93	10,039.13	2,129.26	1,520.94	608.32	3.500		
17,100.00	6,920.59	16,474.00	7,036.32	294.73	318.77	-93.31	1,137.16	10,104.58	2,129.32	1,516.93	612.39	3.477		
17,200.00	6,920.85	16,474.00	7,036.32	297.57	318.77	-93.31	1,137.16	10,104.58	2,132.27	1,517.52	614.75	3.468 SF		
17,300.00	6,921.11	16,474.00	7,036.32	300.41	318.77	-93.31	1,137.16	10,104.58	2,139.89	1,524.11	615.78	3.475		
17,400.00	6,921.37	16,474.00	7,036.32	303.25	318.77	-93.31	1,137.16	10,104.58	2,152.14	1,536.64	615.50	3.497		
17,500.00	6,921.64	16,474.00	7,036.32	306.09	318.77	-93.31	1,137.16	10,104.58	2,168.93	1,554.98	613.95	3.533		
17,600.00	6,921.90	16,474.00	7,036.32	308.93	318.77	-93.31	1,137.16	10,104.58	2,190.16	1,578.97	611.20	3.583		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Boomerang 21-5 - SRC Wiedeman #21-5-3CHZ - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 168-MWD												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
17,638.91	6,922.00	16,474.00	7,036.32	310.03	318.77	-93.31	1,137.16	10,104.58	2,199.60	1,589.78	609.82	3.607	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	74.76	143.54	526.96	546.21					
100.00	100.00	93.77	93.77	3.28	3.29	74.78	143.41	526.93	546.10	539.53	6.57	83.105		
200.00	200.00	195.65	195.65	3.34	3.32	74.82	142.94	526.80	545.85	539.20	6.65	82.026		
246.27	246.27	243.96	243.96	3.38	3.36	-122.14	142.57	526.56	545.74	539.00	6.73	81.036 CC, ES		
300.00	299.98	299.63	299.62	3.44	3.42	-122.22	142.07	526.09	545.91	539.05	6.86	79.625		
400.00	399.84	398.79	398.77	3.59	3.56	-122.62	141.42	525.00	547.48	540.33	7.15	76.567		
500.00	499.45	502.44	502.41	3.79	3.76	-123.33	140.78	523.73	550.89	543.34	7.55	72.973		
600.00	598.70	602.41	602.37	4.04	3.99	-124.28	140.06	521.96	555.80	547.77	8.02	69.268		
660.50	658.52	658.54	658.48	4.20	4.14	-124.93	139.90	521.07	560.00	551.67	8.33	67.204		
700.00	697.51	694.90	694.84	4.31	4.23	-125.44	139.99	520.65	563.28	554.73	8.55	65.917		
800.00	796.22	796.02	795.96	4.63	4.52	-126.87	140.65	519.43	571.87	562.73	9.14	62.550		
900.00	894.93	889.65	889.56	4.98	4.81	-128.25	142.27	518.07	580.97	571.21	9.76	59.523		
1,000.00	993.64	982.81	982.65	5.34	5.10	-129.73	145.54	516.91	591.31	580.90	10.41	56.808		
1,100.00	1,092.35	1,074.27	1,074.01	5.73	5.40	-131.22	149.98	516.21	603.05	591.97	11.08	54.429		
1,200.00	1,191.06	1,164.49	1,164.07	6.13	5.71	-132.68	155.25	516.24	616.39	604.62	11.77	52.381		
1,300.00	1,289.78	1,264.45	1,263.82	6.54	6.07	-134.29	161.79	516.48	630.67	618.15	12.52	50.388		
1,400.00	1,388.49	1,357.42	1,356.52	6.95	6.41	-135.81	168.82	516.02	645.28	632.03	13.25	48.683		
1,500.00	1,487.20	1,445.77	1,444.31	7.38	6.76	-137.46	178.61	515.02	661.63	647.64	13.99	47.300		
1,600.00	1,585.91	1,540.41	1,537.99	7.81	7.15	-139.39	191.94	513.23	679.59	664.82	14.77	46.017		
1,700.00	1,684.62	1,643.22	1,639.63	8.25	7.58	-141.47	207.03	510.11	697.75	682.14	15.61	44.695		
1,800.00	1,783.33	1,747.83	1,743.10	8.70	8.04	-143.49	221.82	505.77	715.51	699.03	16.48	43.414		
1,900.00	1,882.04	1,848.50	1,842.75	9.15	8.49	-145.32	235.25	500.94	733.04	715.70	17.34	42.277		
2,000.00	1,980.75	1,929.41	1,922.89	9.60	8.85	-146.69	245.91	497.74	751.76	733.68	18.08	41.579		
2,100.00	2,079.46	2,026.76	2,019.26	10.05	9.30	-148.24	259.48	495.12	772.43	753.51	18.93	40.811		
2,200.00	2,178.17	2,129.09	2,120.70	10.51	9.77	-149.74	272.58	492.15	792.71	772.90	19.81	40.014		
2,300.00	2,276.88	2,231.12	2,221.99	10.97	10.24	-151.10	284.57	489.21	812.75	792.05	20.69	39.273		
2,400.00	2,375.59	2,319.63	2,309.77	11.43	10.65	-152.26	295.46	486.24	833.24	811.74	21.49	38.768		
2,500.00	2,474.31	2,398.64	2,387.87	11.89	11.03	-153.36	306.97	483.34	855.53	833.30	22.22	38.495		
2,600.00	2,573.02	2,505.59	2,493.50	12.36	11.55	-154.79	323.42	479.81	879.11	855.94	23.17	37.945		
2,700.00	2,671.73	2,580.11	2,567.11	12.82	11.92	-155.74	334.68	477.22	902.81	878.95	23.86	37.836		
2,800.00	2,770.44	2,663.91	2,649.62	13.29	12.35	-156.78	349.20	475.39	929.20	904.57	24.62	37.737		
2,900.00	2,869.15	2,767.16	2,751.18	13.76	12.88	-158.06	367.57	472.24	955.85	930.29	25.56	37.403		
3,000.00	2,967.86	2,853.21	2,835.87	14.23	13.32	-159.07	382.47	469.43	982.40	956.06	26.34	37.301		
3,100.00	3,066.57	2,941.14	2,922.47	14.70	13.78	-159.94	397.71	468.71	1,010.59	983.46	27.13	37.247		
3,200.00	3,165.28	3,047.12	3,026.89	15.17	14.32	-160.95	415.78	467.48	1,038.65	1,010.56	28.09	36.978		
3,300.00	3,263.99	3,155.86	3,134.16	15.64	14.89	-161.94	433.39	464.99	1,065.66	1,036.59	29.07	36.661		
3,400.00	3,362.70	3,264.56	3,241.52	16.11	15.44	-162.91	450.09	461.48	1,091.72	1,061.68	30.05	36.334		
3,500.00	3,461.41	3,350.45	3,326.39	16.59	15.88	-163.62	463.00	458.67	1,117.73	1,086.90	30.83	36.253		
3,600.00	3,560.12	3,457.28	3,431.98	17.06	16.43	-164.45	478.94	455.84	1,144.16	1,112.36	31.79	35.986		
3,700.00	3,658.84	3,529.69	3,503.53	17.53	16.80	-164.98	489.87	453.91	1,170.91	1,138.45	32.46	36.074		
3,800.00	3,757.55	3,623.87	3,596.49	18.01	17.29	-165.62	504.98	452.85	1,199.31	1,165.99	33.31	36.002		
3,900.00	3,856.26	3,724.78	3,696.13	18.48	17.82	-166.29	520.76	450.88	1,227.11	1,192.88	34.23	35.851		
4,000.00	3,954.97	3,819.32	3,789.42	18.96	18.31	-166.93	535.86	448.27	1,254.96	1,219.87	35.09	35.764		
4,100.00	4,053.68	3,918.13	3,886.82	19.44	18.84	-167.61	552.11	444.57	1,282.91	1,246.91	36.00	35.641		
4,200.00	4,152.39	4,020.51	3,987.73	19.91	19.38	-168.32	568.80	439.99	1,310.57	1,273.63	36.94	35.483		
4,300.00	4,251.10	4,132.72	4,098.48	20.39	19.97	-169.05	586.06	434.81	1,337.54	1,299.58	37.96	35.237		
4,400.00	4,349.81	4,248.57	4,213.07	20.87	20.57	-169.74	602.09	429.26	1,363.24	1,324.24	39.00	34.952		
4,500.00	4,448.52	4,346.22	4,309.78	21.34	21.06	-170.29	614.62	424.18	1,388.02	1,348.12	39.89	34.793		
4,600.00	4,547.23	4,424.94	4,387.81	21.82	21.46	-170.66	624.81	421.94	1,413.94	1,373.32	40.62	34.808		
4,700.00	4,645.94	4,567.96	4,529.98	22.30	22.14	-171.19	639.98	419.07	1,438.06	1,396.20	41.86	34.357		
4,800.00	4,744.65	4,704.39	4,665.99	22.78	22.76	-171.55	650.46	417.63	1,460.37	1,417.37	42.99	33.967		
4,900.00	4,843.37	4,877.45	4,838.91	23.26	23.48	-171.91	656.39	415.00	1,478.71	1,434.43	44.28	33.394		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,942.08	4,974.08	4,935.54	23.74	23.85	-172.04	656.66	413.70	1,494.26	1,449.15	45.11	33.121		
5,100.00	5,040.79	5,071.45	5,032.89	24.21	24.22	-172.18	657.30	412.42	1,510.16	1,464.21	45.96	32.861		
5,200.00	5,139.50	5,180.06	5,141.48	24.69	24.65	-172.34	657.83	410.64	1,525.79	1,478.94	46.86	32.564		
5,300.00	5,238.21	5,276.63	5,238.03	25.17	25.02	-172.49	658.20	408.73	1,541.19	1,493.50	47.69	32.314		
5,400.00	5,336.92	5,381.91	5,343.30	25.65	25.43	-172.64	658.30	406.66	1,556.35	1,507.78	48.58	32.040		
5,500.00	5,435.63	5,472.82	5,434.18	26.13	25.78	-172.77	658.42	404.93	1,571.59	1,522.20	49.39	31.822		
5,600.00	5,534.34	5,554.42	5,515.77	26.61	26.11	-172.89	659.27	403.41	1,587.66	1,537.50	50.15	31.656		
5,700.00	5,633.05	5,644.22	5,605.55	27.09	26.46	-172.98	660.39	403.11	1,604.54	1,553.58	50.96	31.489		
5,800.00	5,731.76	5,716.82	5,678.14	27.57	26.75	-173.00	661.39	404.51	1,622.44	1,570.80	51.65	31.414		
5,900.00	5,830.47	5,800.50	5,761.75	28.05	27.08	-173.01	663.50	406.96	1,641.75	1,589.35	52.40	31.330		
6,000.00	5,929.18	5,967.54	5,928.74	28.53	27.74	-173.12	666.01	408.38	1,659.36	1,605.72	53.65	30.931		
6,100.00	6,027.90	6,056.89	6,018.08	29.01	28.10	-173.21	666.34	407.43	1,675.16	1,620.71	54.45	30.764		
6,200.00	6,126.61	6,181.17	6,142.35	29.49	28.59	-173.35	667.02	405.82	1,691.19	1,635.75	55.44	30.505		
6,300.00	6,225.32	6,265.72	6,226.87	29.97	28.91	-173.37	665.24	406.22	1,705.49	1,649.28	56.21	30.342		
6,311.21	6,236.38	6,271.94	6,233.09	30.03	28.93	-173.37	665.17	406.33	1,707.23	1,650.95	56.28	30.336		
6,350.00	6,274.70	6,293.45	6,254.60	30.21	29.01	-150.90	665.03	406.79	1,713.03	1,656.53	56.51	30.315		
6,400.00	6,324.03	6,315.00	6,276.14	30.43	29.09	-124.77	665.07	407.39	1,719.70	1,662.94	56.75	30.302		
6,450.00	6,373.00	6,350.06	6,311.15	30.65	29.22	-107.58	665.27	409.11	1,725.32	1,668.27	57.05	30.240		
6,500.00	6,421.31	6,378.71	6,339.70	30.84	29.33	-97.16	665.43	411.48	1,729.95	1,672.65	57.30	30.191		
6,550.00	6,468.66	6,410.00	6,370.79	31.03	29.45	-90.67	665.61	415.05	1,733.57	1,676.02	57.55	30.174		
6,600.00	6,514.76	6,410.00	6,370.79	31.20	29.45	-86.15	665.61	415.05	1,736.48	1,678.93	57.55	30.175		
6,650.00	6,559.32	6,450.48	6,410.71	31.37	29.59	-83.38	665.91	421.71	1,738.09	1,680.27	57.83	30.057		
6,700.00	6,602.08	6,471.68	6,431.40	31.52	29.67	-81.32	666.13	426.30	1,739.15	1,681.20	57.96	30.007		
6,750.00	6,642.77	6,505.00	6,463.56	31.65	29.78	-80.03	666.55	435.00	1,739.52	1,681.33	58.19	29.894		
6,800.00	6,681.13	6,522.32	6,480.09	31.78	29.84	-79.03	666.75	440.15	1,738.90	1,680.61	58.30	29.829		
6,850.00	6,716.93	6,563.36	6,518.88	31.89	29.97	-78.74	666.85	453.55	1,737.22	1,678.60	58.62	29.634		
6,900.00	6,749.95	6,604.72	6,557.35	31.99	30.11	-78.79	666.42	468.72	1,734.36	1,675.37	58.98	29.404		
6,950.00	6,779.98	6,624.28	6,575.28	32.08	30.16	-78.77	666.18	476.53	1,730.67	1,671.47	59.20	29.232		
7,000.00	6,806.85	6,645.75	6,594.74	32.16	30.22	-78.98	666.00	485.60	1,726.42	1,666.93	59.49	29.019		
7,050.00	6,830.38	6,666.87	6,613.63	32.24	30.29	-79.37	665.91	495.03	1,721.68	1,661.84	59.84	28.773		
7,100.00	6,850.43	6,695.00	6,638.41	32.35	30.37	-80.07	665.93	508.37	1,716.55	1,656.24	60.31	28.463		
7,150.00	6,866.88	6,712.82	6,653.83	32.59	30.42	-80.68	665.96	517.29	1,711.01	1,650.24	60.76	28.158		
7,200.00	6,879.62	6,740.98	6,677.69	32.99	30.49	-81.65	665.91	532.24	1,705.10	1,643.72	61.39	27.777		
7,250.00	6,888.58	6,769.36	6,701.08	33.48	30.57	-82.74	665.71	548.30	1,698.88	1,636.80	62.08	27.366		
7,300.00	6,893.70	6,790.00	6,717.65	34.02	30.63	-83.74	665.49	560.61	1,692.46	1,629.69	62.77	26.962		
7,339.40	6,895.01	6,814.29	6,736.69	34.48	30.69	-84.79	665.19	575.69	1,687.35	1,623.91	63.44	26.597		
7,400.00	6,895.16	6,842.77	6,758.39	35.24	30.76	-85.53	664.87	594.13	1,680.29	1,615.84	64.45	26.071		
7,500.00	6,895.43	6,885.00	6,789.30	36.64	30.87	-86.58	664.47	622.89	1,671.80	1,605.61	66.19	25.256		
7,600.00	6,895.69	6,944.54	6,830.28	38.20	31.03	-87.99	664.30	666.07	1,667.06	1,598.77	68.29	24.412		
7,697.09	6,895.94	7,008.31	6,870.53	39.86	31.27	-89.37	664.76	715.50	1,665.85	1,595.33	70.51	23.624		
7,700.00	6,895.95	7,010.90	6,872.06	39.91	31.28	-89.42	664.78	717.59	1,665.85	1,595.26	70.59	23.599		
7,800.00	6,896.21	7,116.54	6,926.60	41.75	32.03	-91.29	665.11	807.91	1,666.43	1,592.96	73.47	22.683		
7,900.00	6,896.47	7,228.62	6,968.73	43.69	33.30	-92.73	664.11	911.65	1,666.74	1,590.01	76.73	21.723		
8,000.00	6,896.74	7,334.49	6,993.45	45.73	34.80	-93.57	663.29	1,014.48	1,667.12	1,586.87	80.25	20.774		
8,100.00	6,897.00	7,431.42	7,004.79	47.85	36.42	-93.95	662.95	1,110.73	1,667.39	1,583.42	83.98	19.855		
8,200.00	6,897.26	7,525.07	7,013.81	50.04	38.17	-94.25	663.04	1,203.95	1,668.03	1,580.13	87.90	18.977		
8,300.00	6,897.52	7,614.97	7,022.19	52.30	40.01	-94.53	663.55	1,293.46	1,669.16	1,577.19	91.97	18.150		
8,400.00	6,897.78	7,715.95	7,028.81	54.61	42.21	-94.74	664.75	1,394.20	1,670.72	1,574.27	96.46	17.321		
8,500.00	6,898.05	7,809.98	7,031.66	56.98	44.39	-94.83	666.09	1,488.18	1,672.25	1,571.27	100.98	16.561		
8,600.00	6,898.31	7,894.17	7,033.39	59.38	46.43	-94.87	667.93	1,572.33	1,674.45	1,569.05	105.41	15.885		
8,700.00	6,898.57	7,977.12	7,035.09	61.82	48.51	-94.92	670.61	1,655.22	1,677.70	1,567.79	109.91	15.264		
8,800.00	6,898.83	8,089.34	7,036.57	64.30	51.43	-94.94	674.94	1,767.34	1,681.55	1,566.27	115.28	14.587		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	8,223.07	7,040.56	66.81	55.02	-95.06	677.40	1,900.98	1,683.47	1,562.14	121.34	13.874		
9,000.00	6,899.36	8,310.80	7,044.25	69.34	57.46	-95.18	678.52	1,988.63	1,684.95	1,558.66	126.29	13.342		
9,100.00	6,899.62	8,420.11	7,048.01	71.90	60.55	-95.29	679.71	2,097.86	1,686.17	1,554.28	131.90	12.784		
9,200.00	6,899.88	8,492.74	7,050.43	74.48	62.63	-95.36	681.06	2,170.44	1,688.17	1,551.63	136.54	12.364		
9,300.00	6,900.14	8,652.94	7,053.69	77.08	67.30	-95.46	681.69	2,330.59	1,688.24	1,544.53	143.71	11.747		
9,400.00	6,900.41	8,763.74	7,054.21	79.70	70.58	-95.47	680.78	2,441.39	1,687.33	1,537.76	149.57	11.282		
9,500.00	6,900.67	8,858.41	7,056.41	82.33	73.42	-95.54	679.42	2,536.01	1,685.97	1,530.95	155.02	10.876		
9,600.00	6,900.93	8,942.14	7,060.18	84.97	75.95	-95.66	678.65	2,619.65	1,685.34	1,525.15	160.19	10.521		
9,609.65	6,900.96	8,950.05	7,060.55	85.23	76.19	-95.67	678.62	2,627.55	1,685.34	1,524.65	160.69	10.488		
9,700.00	6,901.19	9,037.23	7,064.25	87.63	78.84	-95.79	678.59	2,714.65	1,685.54	1,519.83	165.71	10.172		
9,800.00	6,901.45	9,130.82	7,066.97	90.31	81.71	-95.87	678.73	2,808.20	1,685.83	1,514.62	171.21	9.846		
9,900.00	6,901.72	9,219.75	7,069.73	92.99	84.46	-95.96	679.39	2,897.09	1,686.73	1,510.13	176.60	9.551		
10,000.00	6,901.98	9,301.31	7,073.20	95.68	86.98	-96.06	680.51	2,978.57	1,688.41	1,506.65	181.77	9.289		
10,100.00	6,902.24	9,379.00	7,076.11	98.38	89.40	-96.15	682.70	3,056.17	1,691.45	1,504.64	186.81	9.054		
10,200.00	6,902.50	9,468.51	7,077.99	101.09	92.19	-96.19	686.37	3,145.59	1,695.57	1,503.32	192.24	8.820		
10,300.00	6,902.76	9,588.47	7,080.85	103.81	95.95	-96.26	690.54	3,265.44	1,699.09	1,500.40	198.70	8.551		
10,400.00	6,903.03	9,700.96	7,084.20	106.53	99.49	-96.35	693.49	3,377.84	1,701.88	1,496.97	204.91	8.305		
10,500.00	6,903.29	9,800.55	7,089.72	109.26	102.64	-96.52	695.24	3,477.25	1,704.10	1,493.40	210.70	8.088		
10,600.00	6,903.55	9,910.26	7,095.55	112.00	106.12	-96.70	697.22	3,586.79	1,706.35	1,489.54	216.82	7.870		
10,700.00	6,903.81	10,082.35	7,105.76	114.75	111.60	-97.03	695.84	3,758.56	1,706.13	1,481.44	224.69	7.593		
10,800.00	6,904.08	10,184.25	7,110.50	117.49	114.86	-97.20	692.54	3,860.29	1,703.32	1,472.73	230.59	7.387		
10,900.00	6,904.34	10,305.96	7,111.32	120.25	118.75	-97.23	689.11	3,981.93	1,700.50	1,463.44	237.05	7.173		
11,000.00	6,904.60	10,373.87	7,109.22	123.00	120.93	-97.16	687.56	4,049.79	1,697.68	1,455.51	242.17	7.010		
11,100.00	6,904.86	10,451.54	7,106.34	125.77	123.42	-97.06	687.19	4,127.41	1,696.55	1,449.04	247.51	6.854		
11,151.07	6,905.00	10,493.00	7,105.28	127.18	124.75	-97.02	687.26	4,168.85	1,696.39	1,446.12	250.28	6.778		
11,200.00	6,905.12	10,521.03	7,104.78	128.53	125.66	-97.00	687.53	4,196.87	1,696.69	1,444.14	252.55	6.718		
11,300.00	6,905.39	10,588.00	7,104.28	131.30	127.81	-96.97	689.58	4,263.81	1,699.28	1,441.87	257.41	6.601		
11,400.00	6,905.65	10,698.48	7,105.01	134.08	131.37	-96.97	693.28	4,374.22	1,702.57	1,438.85	263.72	6.456		
11,500.00	6,905.91	10,786.76	7,104.36	136.85	134.21	-96.93	696.13	4,462.45	1,705.50	1,436.21	269.30	6.333		
11,600.00	6,906.17	10,906.36	7,106.52	139.63	138.08	-96.98	699.01	4,581.97	1,707.92	1,432.01	275.91	6.190		
11,700.00	6,906.43	11,006.07	7,109.59	142.42	141.31	-97.07	700.52	4,681.63	1,709.63	1,427.80	281.83	6.066		
11,800.00	6,906.70	11,100.32	7,113.03	145.20	144.36	-97.16	702.41	4,775.79	1,711.91	1,424.34	287.57	5.953		
11,900.00	6,906.96	11,257.51	7,116.31	147.99	149.47	-97.25	704.16	4,932.87	1,713.36	1,418.05	295.30	5.802		
12,000.00	6,907.22	11,366.00	7,114.73	150.78	152.99	-97.20	703.30	5,041.34	1,712.22	1,410.64	301.57	5.678		
12,100.00	6,907.48	11,445.64	7,115.26	153.57	155.59	-97.21	702.76	5,120.97	1,711.46	1,404.47	306.99	5.575		
12,113.67	6,907.52	11,456.09	7,115.40	153.96	155.93	-97.21	702.75	5,131.42	1,711.45	1,403.74	307.71	5.562		
12,200.00	6,907.74	11,517.47	7,116.28	156.37	157.93	-97.24	703.14	5,192.79	1,712.03	1,399.93	312.10	5.486		
12,300.00	6,908.01	11,621.00	7,114.32	159.17	161.30	-97.16	704.42	5,296.29	1,712.83	1,394.56	318.27	5.382		
12,400.00	6,908.27	11,763.25	7,116.66	161.97	165.94	-97.22	705.08	5,438.49	1,713.54	1,388.01	325.53	5.264		
12,500.00	6,908.53	11,877.58	7,115.82	164.77	169.68	-97.19	702.86	5,552.78	1,711.28	1,379.32	331.96	5.155		
12,600.00	6,908.79	11,969.81	7,112.38	167.57	172.69	-97.07	701.79	5,644.94	1,709.50	1,371.64	337.86	5.060		
12,700.00	6,909.06	12,051.78	7,108.99	170.38	175.37	-96.96	701.38	5,726.84	1,708.35	1,364.89	343.45	4.974		
12,740.69	6,909.16	12,083.43	7,107.43	171.52	176.40	-96.90	701.54	5,758.45	1,708.24	1,362.56	345.68	4.942		
12,800.00	6,909.32	12,129.69	7,105.25	173.18	177.91	-96.82	702.05	5,804.65	1,708.47	1,359.57	348.90	4.897		
12,900.00	6,909.58	12,216.93	7,102.75	175.99	180.76	-96.73	703.67	5,891.85	1,709.79	1,355.21	354.58	4.822		
13,000.00	6,909.84	12,315.16	7,101.81	178.80	183.98	-96.68	705.39	5,990.05	1,711.25	1,350.66	360.59	4.746		
13,100.00	6,910.10	12,403.61	7,099.83	181.61	186.87	-96.60	707.48	6,078.45	1,713.18	1,346.89	366.29	4.677		
13,200.00	6,910.37	12,499.80	7,097.59	184.42	190.02	-96.51	710.42	6,174.58	1,715.78	1,343.52	372.26	4.609		
13,300.00	6,910.63	12,603.91	7,098.20	187.24	193.43	-96.51	712.85	6,278.64	1,718.00	1,339.54	378.46	4.539		
13,400.00	6,910.89	12,713.60	7,100.45	190.05	197.03	-96.56	715.23	6,388.29	1,720.25	1,335.44	384.81	4.470		
13,500.00	6,911.15	12,851.73	7,101.38	192.87	201.56	-96.58	716.03	6,526.40	1,720.70	1,328.64	392.07	4.389		
13,546.02	6,911.27	12,889.12	7,100.85	194.16	202.79	-96.56	716.06	6,563.78	1,720.59	1,325.97	394.62	4.360		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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		
13,600.00	6,911.41	12,933.00	7,100.34	195.68	204.23	-96.54	716.32	6,607.66	1,720.75	1,323.15	397.60	4.328		
13,700.00	6,911.68	13,033.20	7,097.28	198.50	207.52	-96.43	717.05	6,707.80	1,720.97	1,317.23	403.74	4.263		
13,800.00	6,911.94	13,129.05	7,095.30	201.32	210.67	-96.35	718.22	6,803.62	1,721.78	1,312.05	409.73	4.202		
13,900.00	6,912.20	13,271.30	7,093.56	204.14	215.35	-96.28	717.23	6,945.85	1,720.55	1,303.46	417.10	4.125		
14,000.00	6,912.46	13,390.15	7,089.09	206.96	219.26	-96.13	715.63	7,064.60	1,718.70	1,294.94	423.76	4.056		
14,100.00	6,912.72	14,100.00	7,084.11	209.78	242.62	-95.97	712.23	7,180.37	1,715.11	1,265.32	449.79	3.813		
14,200.00	6,912.99	13,577.04	7,081.19	212.61	225.41	-95.87	710.43	7,251.25	1,712.09	1,276.31	435.78	3.929		
14,300.00	6,913.25	13,675.63	7,078.34	215.43	228.66	-95.77	709.29	7,349.79	1,710.48	1,268.58	441.91	3.871		
14,400.00	6,913.51	13,767.93	7,076.99	218.26	231.70	-95.72	707.96	7,442.07	1,708.75	1,260.92	447.83	3.816		
14,500.00	6,913.77	13,880.72	7,076.19	221.08	235.42	-95.69	706.33	7,554.83	1,707.10	1,252.82	454.28	3.758		
14,600.00	6,914.04	13,973.99	7,073.03	223.91	238.49	-95.58	704.94	7,648.04	1,705.13	1,244.85	460.28	3.705		
14,691.42	6,914.27	14,035.28	7,070.63	226.49	240.51	-95.50	704.71	7,709.28	1,704.31	1,239.25	465.06	3.665		
14,700.00	6,914.30	14,040.98	7,070.41	226.73	240.70	-95.49	704.75	7,714.98	1,704.31	1,238.82	465.50	3.661		
14,800.00	6,914.56	14,122.77	7,067.11	229.56	243.39	-95.37	705.97	7,796.69	1,705.22	1,234.14	471.08	3.620		
14,900.00	6,914.82	14,203.90	7,062.79	232.39	246.06	-95.21	707.78	7,877.69	1,706.84	1,230.23	476.61	3.581		
15,000.00	6,915.08	14,285.54	7,059.39	235.22	248.74	-95.08	710.88	7,959.19	1,710.03	1,227.95	482.08	3.547		
15,100.00	6,915.35	14,419.70	7,057.14	238.05	253.16	-94.99	714.42	8,093.27	1,712.33	1,222.81	489.51	3.498		
15,200.00	6,915.61	14,510.64	7,056.85	240.88	256.16	-94.97	715.89	8,184.20	1,713.77	1,218.46	495.31	3.460		
15,300.00	6,915.87	14,618.21	7,055.24	243.71	259.70	-94.90	718.46	8,291.73	1,715.90	1,214.17	501.73	3.420		
15,400.00	6,916.13	14,701.47	7,053.11	246.54	262.45	-94.81	720.19	8,374.94	1,717.66	1,210.37	507.28	3.386		
15,500.00	6,916.39	14,831.77	7,051.02	249.37	266.74	-94.72	723.51	8,505.18	1,720.10	1,205.58	514.51	3.343		
15,600.00	6,916.66	14,913.13	7,051.40	252.20	269.43	-94.73	724.65	8,586.53	1,721.38	1,201.39	519.99	3.310		
15,700.00	6,916.92	15,064.48	7,049.75	255.03	274.43	-94.66	724.66	8,737.84	1,720.85	1,193.09	527.76	3.261		
15,781.88	6,917.13	15,126.42	7,049.04	257.35	276.48	-94.63	724.44	8,799.78	1,720.37	1,188.15	532.22	3.232		
15,800.00	6,917.18	15,139.57	7,048.95	257.87	276.91	-94.63	724.49	8,812.93	1,720.39	1,187.21	533.18	3.227		
15,900.00	6,917.44	15,212.17	7,048.44	260.70	279.31	-94.60	725.43	8,885.52	1,721.48	1,183.09	538.39	3.197		
16,000.00	6,917.70	15,316.22	7,047.42	263.53	282.75	-94.55	727.51	8,989.54	1,723.24	1,178.56	544.68	3.164		
16,100.00	6,917.97	15,412.58	7,045.65	266.37	285.93	-94.48	729.66	9,085.86	1,725.16	1,174.44	550.72	3.133		
16,200.00	6,918.23	15,545.03	7,044.65	269.20	290.31	-94.43	730.62	9,218.30	1,725.54	1,167.59	557.95	3.093		
16,209.07	6,918.25	15,553.70	7,044.59	269.46	290.59	-94.43	730.63	9,226.98	1,725.54	1,167.04	558.50	3.090		
16,300.00	6,918.49	15,637.53	7,043.85	272.04	293.36	-94.40	730.95	9,310.79	1,725.69	1,161.82	563.87	3.060		
16,400.00	6,918.75	15,721.30	7,043.88	274.87	296.13	-94.39	731.73	9,394.57	1,726.48	1,157.02	569.46	3.032		
16,500.00	6,919.02	15,803.68	7,042.46	277.71	298.86	-94.33	733.64	9,476.91	1,728.48	1,153.50	574.98	3.006		
16,600.00	6,919.28	15,906.68	7,039.81	280.55	302.26	-94.23	736.27	9,579.84	1,730.68	1,149.40	581.28	2.977		
16,700.00	6,919.54	16,006.67	7,037.20	283.38	305.56	-94.13	738.94	9,679.76	1,733.01	1,145.54	587.47	2.950		
16,800.00	6,919.80	16,104.08	7,034.65	286.22	308.77	-94.03	741.23	9,777.11	1,735.02	1,141.46	593.56	2.923		
16,900.00	6,920.06	16,194.21	7,032.27	289.06	311.75	-93.94	744.18	9,867.16	1,737.93	1,138.57	599.35	2.900		
17,000.00	6,920.33	16,320.30	7,029.17	291.90	315.91	-93.82	747.28	9,993.17	1,740.05	1,133.52	606.54	2.869		
17,100.00	6,920.59	16,461.13	7,029.07	294.73	320.57	-93.80	747.83	10,134.00	1,740.29	1,126.34	613.95	2.835		
17,200.00	6,920.85	16,555.13	7,029.70	297.57	323.69	-93.82	747.31	10,227.99	1,739.62	1,119.71	619.91	2.806		
17,300.00	6,921.11	16,664.62	7,030.79	300.41	327.32	-93.85	746.11	10,337.47	1,738.41	1,112.12	626.29	2.776		
17,374.96	6,921.31	16,720.04	7,031.43	302.54	329.15	-93.86	745.84	10,392.88	1,737.99	1,107.66	630.33	2.757		
17,400.00	6,921.37	16,740.16	7,031.67	303.25	329.82	-93.87	745.89	10,413.00	1,738.04	1,106.32	631.72	2.751		
17,500.00	6,921.64	16,792.00	7,032.30	306.09	331.54	-93.89	746.07	10,464.84	1,738.99	1,102.89	636.10	2.734 SF		
17,600.00	6,921.90	16,792.00	7,032.30	308.93	331.54	-93.89	746.07	10,464.84	1,744.91	1,107.83	637.07	2.739		
17,638.91	6,922.00	16,792.00	7,032.30	310.03	331.54	-93.89	746.07	10,464.84	1,748.75	1,111.85	636.90	2.746		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 39-MWVD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	84.06	53.93	518.33	521.18				
100.00	100.00	101.73	101.73	3.28	3.30	84.10	53.47	517.34	520.17	513.58	6.59	78.970	
200.00	200.00	206.78	206.74	3.34	3.38	84.20	52.30	515.14	517.97	511.25	6.72	77.027	
300.00	299.98	306.54	306.45	3.44	3.52	-112.79	50.52	512.55	515.89	508.93	6.96	74.132	
351.61	351.54	355.26	355.15	3.51	3.60	-112.89	49.22	511.50	515.52	508.41	7.11	72.495	
400.00	399.84	399.46	399.32	3.59	3.69	-113.01	47.79	510.92	515.87	508.60	7.27	70.949	
500.00	499.45	494.14	493.92	3.79	3.89	-113.39	44.03	510.69	518.64	510.97	7.67	67.577	
600.00	598.70	594.02	593.67	4.04	4.15	-113.96	38.82	511.09	523.34	515.17	8.17	64.041	
660.50	658.52	663.90	663.36	4.20	4.35	-114.41	33.83	510.98	526.44	517.90	8.54	61.638	
700.00	697.51	712.37	711.66	4.31	4.50	-114.78	29.95	509.98	527.86	519.05	8.81	59.923	
800.00	796.22	829.87	828.34	4.63	4.90	-115.36	17.32	504.51	528.45	518.92	9.53	55.434	
900.00	894.93	929.33	926.69	4.98	5.29	-115.51	3.43	499.23	528.03	517.78	10.25	51.529	
1,000.00	993.64	1,032.79	1,028.61	5.34	5.73	-115.41	-13.44	493.83	527.32	516.29	11.03	47.791	
1,100.00	1,092.35	1,131.93	1,126.14	5.73	6.18	-115.24	-30.33	488.13	525.99	514.15	11.85	44.400	
1,167.93	1,159.41	1,194.92	1,188.08	6.00	6.47	-115.09	-41.38	485.11	525.68	513.28	12.40	42.401	
1,200.00	1,191.06	1,225.36	1,218.01	6.13	6.62	-115.00	-46.79	483.86	525.74	513.07	12.67	41.504	
1,300.00	1,289.78	1,322.06	1,312.93	6.54	7.10	-114.63	-64.88	480.28	526.22	512.68	13.54	38.865	
1,400.00	1,388.49	1,413.04	1,402.34	6.95	7.55	-114.30	-81.52	478.16	528.12	513.72	14.40	36.673	
1,500.00	1,487.20	1,511.45	1,499.61	7.38	8.03	-114.28	-96.38	476.51	531.11	515.82	15.30	34.721	
1,600.00	1,585.91	1,615.35	1,602.56	7.81	8.53	-114.48	-110.14	473.86	533.48	517.26	16.22	32.897	
1,700.00	1,684.62	1,725.77	1,712.00	8.25	9.06	-114.74	-124.44	470.58	535.56	518.38	17.18	31.179	
1,798.49	1,781.84	1,825.78	1,810.82	8.69	9.57	-114.86	-138.71	464.86	534.67	516.57	18.10	29.548	
1,800.00	1,783.33	1,827.06	1,812.08	8.70	9.57	-114.87	-138.89	464.80	534.67	516.56	18.11	29.526	
1,900.00	1,882.04	1,933.24	1,917.02	9.15	10.12	-114.94	-154.39	460.12	535.08	516.00	19.08	28.048	
2,000.00	1,980.75	2,033.94	2,016.18	9.60	10.65	-114.86	-170.78	453.88	533.42	513.38	20.04	26.614	
2,075.08	2,054.86	2,102.41	2,083.52	9.94	11.02	-114.71	-182.65	450.41	532.91	512.17	20.74	25.689	
2,100.00	2,079.46	2,124.86	2,105.63	10.05	11.14	-114.67	-186.45	449.47	532.97	511.99	20.98	25.408	
2,200.00	2,178.17	2,223.90	2,203.14	10.51	11.68	-114.47	-203.37	445.87	533.75	511.79	21.96	24.305	
2,300.00	2,276.88	2,328.58	2,305.71	10.97	12.28	-113.97	-223.89	441.86	534.01	511.00	23.01	23.209	
2,318.33	2,294.98	2,347.83	2,324.48	11.05	12.39	-113.84	-228.09	441.07	533.95	510.75	23.20	23.012	
2,400.00	2,375.59	2,416.98	2,392.08	11.43	12.79	-113.41	-242.48	439.04	534.78	510.79	23.98	22.298	
2,500.00	2,474.31	2,525.12	2,497.89	11.89	13.43	-112.78	-264.59	436.32	536.36	511.28	25.08	21.386	
2,600.00	2,573.02	2,648.55	2,618.31	12.36	14.17	-112.04	-290.50	428.48	533.95	507.70	26.26	20.337	
2,700.00	2,671.73	2,746.80	2,713.88	12.82	14.77	-111.36	-312.05	421.01	530.42	503.10	27.32	19.415	
2,800.00	2,770.44	2,843.96	2,808.79	13.29	15.36	-110.89	-331.36	413.37	526.87	498.50	28.37	18.574	
2,900.00	2,869.15	2,934.22	2,897.41	13.76	15.88	-110.65	-347.45	407.66	525.01	495.66	29.36	17.883	
3,000.00	2,967.86	3,028.92	2,990.62	14.23	16.41	-110.49	-363.42	402.72	524.36	494.01	30.35	17.276	
3,004.91	2,972.71	3,033.44	2,995.08	14.25	16.43	-110.49	-364.16	402.51	524.36	493.96	30.40	17.248	
3,100.00	3,066.57	3,120.68	3,081.21	14.70	16.91	-110.48	-377.55	399.07	525.05	493.74	31.31	16.769	
3,200.00	3,165.28	3,217.25	3,176.90	15.17	17.41	-110.68	-390.37	396.62	527.30	495.03	32.27	16.342	
3,300.00	3,263.99	3,330.60	3,289.06	15.64	18.01	-110.86	-406.05	392.03	527.99	494.67	33.32	15.845	
3,400.00	3,362.70	3,430.55	3,387.56	16.11	18.56	-110.78	-422.14	386.67	527.24	492.91	34.34	15.356	
3,426.11	3,388.48	3,454.72	3,411.36	16.24	18.70	-110.75	-426.15	385.52	527.20	492.60	34.59	15.240	
3,500.00	3,461.41	3,525.55	3,481.16	16.59	19.09	-110.65	-437.84	382.54	527.46	492.13	35.33	14.928	
3,600.00	3,560.12	3,630.11	3,584.30	17.06	19.67	-110.58	-454.43	378.17	527.93	491.56	36.37	14.514	
3,700.00	3,658.84	3,733.20	3,685.93	17.53	20.25	-110.52	-470.82	372.57	527.12	489.71	37.41	14.091	
3,800.00	3,757.55	3,834.21	3,785.17	18.01	20.83	-110.25	-488.79	367.09	526.20	487.74	38.46	13.681	
3,900.00	3,856.26	3,934.04	3,883.06	18.48	21.42	-109.86	-507.64	361.58	525.13	485.60	39.53	13.285	
4,000.00	3,954.97	4,032.40	3,979.40	18.96	22.01	-109.42	-526.69	356.35	524.26	483.67	40.60	12.914	
4,100.00	4,053.68	4,134.36	4,079.30	19.44	22.62	-108.97	-546.39	350.95	523.46	481.77	41.69	12.557	
4,200.00	4,152.39	4,229.31	4,172.37	19.91	23.18	-108.57	-564.54	346.07	522.85	480.11	42.74	12.234	
4,300.00	4,251.10	4,341.90	4,282.50	20.39	23.87	-107.99	-587.02	339.69	521.73	477.84	43.89	11.887	

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,400.00	4,349.81	4,434.46	4,372.94	20.87	24.44	-107.46	-605.91	334.16	520.30	475.34	44.96	11.572		
4,500.00	4,448.52	4,541.38	4,477.37	21.34	25.10	-106.85	-627.75	327.18	518.37	472.27	46.10	11.245		
4,600.00	4,547.23	4,637.43	4,571.46	21.82	25.68	-106.44	-646.05	321.07	516.66	469.50	47.17	10.954		
4,700.00	4,645.94	4,742.60	4,674.47	22.30	26.31	-106.01	-665.97	313.84	514.47	466.20	48.27	10.659		
4,800.00	4,744.65	4,840.62	4,770.83	22.78	26.88	-105.83	-682.51	306.85	512.02	462.70	49.32	10.381		
4,900.00	4,843.37	4,935.72	4,864.01	23.26	27.45	-105.43	-700.49	300.80	510.39	460.01	50.38	10.131		
5,000.00	4,942.08	5,031.41	4,957.88	23.74	28.02	-105.07	-718.29	295.53	509.63	458.19	51.44	9.907		
5,034.47	4,976.11	5,064.28	4,990.17	23.90	28.21	-104.97	-724.23	293.92	509.58	457.78	51.80	9.837		
5,100.00	5,040.79	5,128.51	5,053.30	24.21	28.58	-104.78	-735.72	291.00	509.71	457.22	52.50	9.710		
5,200.00	5,139.50	5,228.37	5,151.44	24.69	29.17	-104.48	-753.66	286.50	509.97	456.41	53.56	9.521		
5,300.00	5,238.21	5,327.44	5,248.79	25.17	29.75	-104.18	-771.45	282.13	510.34	455.71	54.63	9.341		
5,400.00	5,336.92	5,420.16	5,339.86	25.65	30.29	-103.86	-788.53	278.48	511.24	455.58	55.66	9.186		
5,500.00	5,435.63	5,512.51	5,430.75	26.13	30.81	-103.64	-804.77	276.87	514.25	457.60	56.65	9.078		
5,600.00	5,534.34	5,614.30	5,531.54	26.61	31.34	-103.82	-818.90	275.50	517.49	459.83	57.66	8.975		
5,700.00	5,633.05	5,715.42	5,632.08	27.09	31.83	-104.38	-829.50	273.95	520.39	461.79	58.60	8.880		
5,800.00	5,731.76	5,816.11	5,732.54	27.57	32.27	-105.36	-836.16	272.41	523.23	463.76	59.47	8.798		
5,900.00	5,830.47	5,916.66	5,833.01	28.05	32.66	-106.69	-839.47	270.68	526.02	465.74	60.28	8.727		
6,000.00	5,929.18	6,019.44	5,935.77	28.53	33.03	-108.31	-840.30	268.51	528.75	467.72	61.03	8.663		
6,100.00	6,027.90	6,118.46	6,034.75	29.01	33.38	-109.92	-840.49	265.85	531.33	469.59	61.75	8.605		
6,200.00	6,126.61	6,215.01	6,131.27	29.49	33.71	-111.48	-840.57	263.51	534.61	472.17	62.43	8.563		
6,300.00	6,225.32	6,301.17	6,217.41	29.97	33.99	-112.93	-839.87	262.41	539.54	476.53	63.01	8.563		
6,311.21	6,236.38	6,310.57	6,226.81	30.03	34.02	-113.08	-839.83	262.43	540.29	477.22	63.07	8.567		
6,350.00	6,274.70	6,346.45	6,262.70	30.21	34.13	-91.65	-839.70	262.73	541.94	478.64	63.30	8.562		
6,400.00	6,324.03	6,397.43	6,313.67	30.43	34.29	-66.94	-839.06	263.04	540.67	477.05	63.62	8.499		
6,450.00	6,373.00	6,443.61	6,359.84	30.65	34.43	-51.07	-838.00	263.20	535.61	471.74	63.86	8.387		
6,500.00	6,421.31	6,485.00	6,401.21	30.84	34.55	-41.92	-836.92	263.78	527.42	463.39	64.03	8.237		
6,550.00	6,468.66	6,524.56	6,440.74	31.03	34.66	-36.68	-835.81	264.83	516.27	452.13	64.14	8.049		
6,600.00	6,514.76	6,558.20	6,474.32	31.20	34.75	-33.62	-834.61	266.42	502.64	438.54	64.10	7.841		
6,650.00	6,559.32	6,591.36	6,507.36	31.37	34.84	-32.05	-833.10	268.77	486.82	422.84	63.99	7.608		
6,700.00	6,602.08	6,624.43	6,540.23	31.52	34.93	-31.55	-831.30	271.89	468.91	405.11	63.80	7.350		
6,750.00	6,642.77	6,658.02	6,573.55	31.65	35.02	-31.89	-829.72	275.90	448.92	385.34	63.57	7.061		
6,800.00	6,681.13	6,691.28	6,606.43	31.78	35.11	-32.93	-828.53	280.72	426.92	363.62	63.30	6.744		
6,850.00	6,716.93	6,708.00	6,622.92	31.89	35.15	-33.67	-828.08	283.46	403.43	341.18	62.25	6.480		
6,900.00	6,749.95	6,744.66	6,658.78	31.99	35.25	-36.17	-827.45	290.96	378.33	316.27	62.06	6.096		
6,950.00	6,779.98	6,769.70	6,682.95	32.08	35.31	-38.54	-827.32	297.52	352.77	291.55	61.22	5.763		
7,000.00	6,806.85	6,803.00	6,714.55	32.16	35.40	-42.26	-827.52	308.01	326.78	265.86	60.93	5.364		
7,050.00	6,830.38	6,823.84	6,734.01	32.24	35.45	-45.56	-827.90	315.45	300.09	240.34	59.75	5.023		
7,100.00	6,850.43	6,853.74	6,761.56	32.35	35.53	-50.62	-828.82	327.03	273.14	213.70	59.44	4.595		
7,150.00	6,866.88	6,883.62	6,788.61	32.59	35.60	-56.76	-830.21	339.63	246.31	186.85	59.46	4.142		
7,200.00	6,879.62	6,912.86	6,814.61	32.99	35.67	-63.94	-831.92	352.89	220.44	160.50	59.94	3.678		
7,250.00	6,888.58	6,940.41	6,838.86	33.48	35.74	-71.92	-833.39	365.90	197.03	136.03	61.00	3.230		
7,300.00	6,893.70	6,966.43	6,861.54	34.02	35.80	-80.26	-834.57	378.60	178.34	115.52	62.82	2.839		
7,339.40	6,895.01	6,985.73	6,878.23	34.48	35.84	-86.61	-835.31	388.26	168.82	104.16	64.67	2.611		
7,377.38	6,895.10	7,004.09	6,893.96	34.95	35.88	-92.03	-835.91	397.71	165.60	99.21	66.39	2.494 CC, ES		
7,400.00	6,895.16	7,015.86	6,903.88	35.24	35.90	-95.45	-836.23	404.02	166.72	99.52	67.20	2.481		
7,500.00	6,895.43	7,079.39	6,954.86	36.64	36.01	-112.08	-837.06	441.87	193.81	126.35	67.45	2.873		
7,600.00	6,895.69	7,187.35	7,028.71	38.20	36.15	-130.63	-837.73	520.26	237.40	175.52	61.88	3.836		
7,700.00	6,895.95	7,278.01	7,081.32	39.91	36.24	-139.98	-839.35	594.08	281.30	223.11	58.18	4.835		
7,800.00	6,896.21	7,390.68	7,139.21	41.75	36.37	-147.34	-840.52	690.65	324.16	270.19	53.97	6.006		
7,900.00	6,896.47	7,555.08	7,199.10	43.69	36.78	-152.77	-841.39	843.35	356.67	307.77	48.90	7.294		
8,000.00	6,896.74	7,699.08	7,222.06	45.73	38.15	-154.45	-841.72	985.36	370.02	321.40	48.62	7.610		
8,100.00	6,897.00	7,824.66	7,230.04	47.85	40.19	-155.12	-842.74	1,110.64	374.97	324.81	50.16	7.476		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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		
8,200.00	6,897.26	7,924.00	7,232.61	50.04	42.08	-155.16	-841.86	1,209.94	377.39	325.09	52.30	7.216		
8,300.00	6,897.52	8,027.50	7,234.84	52.30	44.24	-155.06	-840.10	1,313.39	379.78	325.01	54.77	6.934		
8,400.00	6,897.78	8,132.11	7,235.20	54.61	46.58	-154.85	-838.35	1,417.99	380.50	322.98	57.52	6.615		
8,500.00	6,898.05	8,232.51	7,234.82	56.98	48.95	-154.52	-836.14	1,518.36	380.80	320.38	60.42	6.303		
8,600.00	6,898.31	8,332.05	7,234.22	59.38	51.40	-154.13	-833.48	1,617.87	381.13	317.63	63.50	6.002		
8,700.00	6,898.57	8,429.89	7,233.91	61.82	53.90	-153.74	-830.76	1,715.66	381.77	315.16	66.62	5.731		
8,800.00	6,898.83	8,540.26	7,232.79	64.30	56.81	-153.25	-827.68	1,825.98	381.86	311.54	70.31	5.431		
8,900.00	6,899.10	8,636.80	7,230.82	66.81	59.43	-152.94	-826.34	1,922.49	380.37	306.90	73.48	5.177		
8,943.06	6,899.21	8,676.82	7,230.39	67.90	60.54	-152.81	-825.63	1,962.50	380.19	305.39	74.80	5.083		
9,000.00	6,899.36	8,729.44	7,230.19	69.34	62.00	-152.61	-824.25	2,015.10	380.52	303.91	76.61	4.967		
9,100.00	6,899.62	8,819.75	7,231.08	71.90	64.53	-152.21	-820.75	2,105.34	382.89	303.03	79.86	4.795		
9,200.00	6,899.88	8,924.37	7,233.10	74.48	67.51	-151.77	-816.31	2,209.84	386.32	302.62	83.70	4.616		
9,300.00	6,900.14	9,020.36	7,234.94	77.08	70.29	-151.50	-813.27	2,305.77	389.22	302.18	87.04	4.472		
9,400.00	6,900.41	9,122.04	7,237.86	79.70	73.28	-151.40	-810.92	2,407.38	392.55	302.23	90.32	4.346		
9,500.00	6,900.67	9,226.85	7,240.56	82.33	76.40	-151.45	-809.88	2,512.15	395.00	301.54	93.46	4.226		
9,600.00	6,900.93	9,323.54	7,242.96	84.97	79.31	-151.46	-808.66	2,608.80	397.48	301.06	96.42	4.122		
9,700.00	6,901.19	9,428.26	7,245.47	87.63	82.49	-151.61	-808.47	2,713.49	399.38	299.97	99.41	4.018		
9,800.00	6,901.45	9,528.08	7,247.83	90.31	85.55	-151.79	-808.69	2,813.28	401.05	298.92	102.13	3.927		
9,900.00	6,901.72	9,625.58	7,249.65	92.99	88.55	-151.97	-809.11	2,910.76	402.22	297.43	104.79	3.838		
10,000.00	6,901.98	9,713.80	7,253.98	95.68	91.28	-152.18	-808.54	2,998.87	406.48	299.48	106.99	3.799		
10,100.00	6,902.24	9,826.94	7,258.58	98.38	94.80	-152.53	-808.93	3,111.91	409.59	299.77	109.82	3.730		
10,200.00	6,902.50	9,928.50	7,260.86	101.09	97.97	-152.78	-809.76	3,213.44	410.91	298.51	112.41	3.656		
10,300.00	6,902.76	10,029.28	7,263.08	103.81	101.14	-152.94	-809.90	3,314.19	412.53	297.37	115.16	3.582		
10,400.00	6,903.03	10,133.66	7,263.46	106.53	104.42	-152.78	-808.40	3,418.55	413.20	294.38	118.82	3.478		
10,500.00	6,903.29	10,223.24	7,263.57	109.26	107.23	-152.55	-806.46	3,508.12	414.08	291.91	122.18	3.389		
10,600.00	6,903.55	10,315.37	7,266.31	112.00	110.13	-152.25	-802.65	3,600.12	418.30	292.52	125.77	3.326		
10,700.00	6,903.81	10,427.80	7,268.71	114.75	113.68	-151.82	-797.81	3,712.42	421.97	291.36	130.62	3.231		
10,800.00	6,904.08	10,528.14	7,269.18	117.49	116.87	-151.61	-795.74	3,812.74	423.06	288.61	134.45	3.146		
10,900.00	6,904.34	10,625.23	7,270.94	120.25	119.96	-151.56	-794.42	3,909.79	425.01	287.30	137.71	3.086		
11,000.00	6,904.60	10,722.14	7,274.67	123.00	123.07	-151.92	-795.47	4,006.62	427.60	287.81	139.79	3.059		
11,100.00	6,904.86	10,838.46	7,277.30	125.77	126.80	-152.18	-796.26	4,122.90	429.03	286.20	142.84	3.004		
11,200.00	6,905.12	10,944.33	7,276.29	128.53	130.21	-152.31	-797.88	4,228.75	427.16	281.33	145.84	2.929		
11,279.64	6,905.33	11,014.52	7,275.79	130.74	132.47	-152.31	-798.17	4,298.93	426.28	278.18	148.10	2.878		
11,300.00	6,905.39	11,032.75	7,275.83	131.30	133.06	-152.29	-798.01	4,317.17	426.34	277.60	148.74	2.866		
11,400.00	6,905.65	11,124.05	7,277.10	134.08	136.00	-152.22	-796.75	4,408.44	427.91	276.05	151.86	2.818		
11,500.00	6,905.91	11,223.83	7,278.95	136.85	139.21	-152.02	-794.09	4,508.17	430.51	274.77	155.73	2.764		
11,600.00	6,906.17	11,326.94	7,280.09	139.63	142.53	-151.69	-790.68	4,611.22	432.75	272.55	160.21	2.701		
11,700.00	6,906.43	11,430.82	7,280.34	142.42	145.88	-151.34	-787.50	4,715.04	434.13	269.28	164.85	2.633		
11,800.00	6,906.70	11,534.02	7,279.83	145.20	149.21	-150.96	-784.53	4,818.20	434.79	265.21	169.58	2.564		
11,900.00	6,906.96	11,637.74	7,277.99	147.99	152.56	-150.45	-781.12	4,921.85	434.56	259.68	174.88	2.485		
12,000.00	6,907.22	11,737.78	7,275.16	150.78	155.79	-149.79	-777.04	5,021.77	433.85	253.21	180.64	2.402		
12,051.72	6,907.36	11,789.42	7,273.63	152.23	157.45	-149.42	-774.69	5,073.33	433.56	249.80	183.76	2.359 SF		
12,100.00	6,907.48	11,784.00	7,273.79	153.57	157.28	-149.46	-774.94	5,067.92	436.61	254.26	182.35	2.394		
12,200.00	6,907.74	11,784.00	7,273.79	156.37	157.28	-149.46	-774.94	5,067.92	459.24	284.50	174.74	2.628		
12,300.00	6,908.01	11,784.00	7,273.79	159.17	157.28	-149.46	-774.94	5,067.92	501.17	338.57	162.60	3.082		
12,400.00	6,908.27	11,784.00	7,273.79	161.97	157.28	-149.46	-774.94	5,067.92	558.07	408.75	149.32	3.737		
12,500.00	6,908.53	11,784.00	7,273.79	164.77	157.28	-149.46	-774.94	5,067.92	625.87	488.89	136.98	4.569		
12,600.00	6,908.79	11,784.00	7,273.79	167.57	157.28	-149.46	-774.94	5,067.92	701.42	575.02	126.39	5.550		
12,700.00	6,909.06	11,784.00	7,273.79	170.38	157.28	-149.46	-774.94	5,067.92	782.47	664.83	117.64	6.651		
12,800.00	6,909.32	11,784.00	7,273.79	173.18	157.28	-149.46	-774.94	5,067.92	867.48	756.96	110.52	7.849		
12,900.00	6,909.58	11,784.00	7,273.79	175.99	157.28	-149.46	-774.94	5,067.92	955.40	850.65	104.76	9.120		
13,000.00	6,909.84	11,784.00	7,273.79	178.80	157.28	-149.46	-774.94	5,067.92	1,045.50	945.42	100.08	10.447		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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		
13,100.00	6,910.10	11,784.00	7,273.79	181.61	157.28	-149.46	-774.94	5,067.92	1,137.25	1,040.98	96.27	11.813		
13,200.00	6,910.37	11,784.00	7,273.79	184.42	157.28	-149.46	-774.94	5,067.92	1,230.29	1,137.15	93.14	13.209		
13,300.00	6,910.63	11,784.00	7,273.79	187.24	157.28	-149.46	-774.94	5,067.92	1,324.34	1,233.78	90.56	14.623		
13,400.00	6,910.89	11,784.00	7,273.79	190.05	157.28	-149.46	-774.94	5,067.92	1,419.21	1,330.79	88.42	16.051		
13,500.00	6,911.15	11,784.00	7,273.79	192.87	157.28	-149.46	-774.94	5,067.92	1,514.74	1,428.11	86.63	17.486		
13,600.00	6,911.41	11,784.00	7,273.79	195.68	157.28	-149.46	-774.94	5,067.92	1,610.81	1,525.69	85.12	18.925		
13,700.00	6,911.68	11,784.00	7,273.79	198.50	157.28	-149.46	-774.94	5,067.92	1,707.33	1,623.49	83.84	20.364		
13,800.00	6,911.94	11,784.00	7,273.79	201.32	157.28	-149.46	-774.94	5,067.92	1,804.23	1,721.48	82.75	21.803		
13,900.00	6,912.20	11,784.00	7,273.79	204.14	157.28	-149.46	-774.94	5,067.92	1,901.45	1,819.63	81.82	23.239		
14,000.00	6,912.46	11,784.00	7,273.79	206.96	157.28	-149.46	-774.94	5,067.92	1,998.94	1,917.92	81.02	24.671		
14,100.00	6,912.72	11,784.00	7,273.79	209.78	157.28	-149.46	-774.94	5,067.92	2,096.68	2,016.34	80.34	26.099		
14,200.00	6,912.99	11,784.00	7,273.79	212.61	157.28	-149.46	-774.94	5,067.92	2,194.61	2,114.87	79.74	27.522		
14,300.00	6,913.25	11,784.00	7,273.79	215.43	157.28	-149.46	-774.94	5,067.92	2,292.73	2,213.50	79.22	28.940		
14,400.00	6,913.51	11,784.00	7,273.79	218.26	157.28	-149.46	-774.94	5,067.92	2,391.00	2,312.22	78.78	30.352		
14,500.00	6,913.77	11,784.00	7,273.79	221.08	157.28	-149.46	-774.94	5,067.92	2,489.40	2,411.02	78.39	31.759		
14,600.00	6,914.04	11,784.00	7,273.79	223.91	157.28	-149.46	-774.94	5,067.92	2,587.93	2,509.89	78.04	33.160		
14,700.00	6,914.30	11,784.00	7,273.79	226.73	157.28	-149.46	-774.94	5,067.92	2,686.57	2,608.83	77.75	34.555		
14,800.00	6,914.56	11,784.00	7,273.79	229.56	157.28	-149.46	-774.94	5,067.92	2,785.31	2,707.82	77.49	35.945		
14,900.00	6,914.82	11,784.00	7,273.79	232.39	157.28	-149.46	-774.94	5,067.92	2,884.13	2,806.87	77.26	37.329		
15,000.00	6,915.08	11,784.00	7,273.79	235.22	157.28	-149.46	-774.94	5,067.92	2,983.03	2,905.97	77.07	38.707		
15,100.00	6,915.35	11,784.00	7,273.79	238.05	157.28	-149.46	-774.94	5,067.92	3,082.01	3,005.11	76.90	40.080		
15,200.00	6,915.61	11,784.00	7,273.79	240.88	157.28	-149.46	-774.94	5,067.92	3,181.04	3,104.29	76.75	41.447		
15,300.00	6,915.87	11,784.00	7,273.79	243.71	157.28	-149.46	-774.94	5,067.92	3,280.14	3,203.52	76.62	42.809		
15,400.00	6,916.13	11,784.00	7,273.79	246.54	157.28	-149.46	-774.94	5,067.92	3,379.29	3,302.77	76.51	44.166		
15,500.00	6,916.39	11,784.00	7,273.79	249.37	157.28	-149.46	-774.94	5,067.92	3,478.48	3,402.06	76.42	45.517		
15,600.00	6,916.66	11,784.00	7,273.79	252.20	157.28	-149.46	-774.94	5,067.92	3,577.73	3,501.38	76.34	46.863		
15,700.00	6,916.92	11,784.00	7,273.79	255.03	157.28	-149.46	-774.94	5,067.92	3,677.01	3,600.73	76.28	48.204		
15,800.00	6,917.18	11,784.00	7,273.79	257.87	157.28	-149.46	-774.94	5,067.92	3,776.33	3,700.10	76.23	49.540		
15,900.00	6,917.44	11,784.00	7,273.79	260.70	157.28	-149.46	-774.94	5,067.92	3,875.68	3,799.50	76.19	50.871		
16,000.00	6,917.70	11,784.00	7,273.79	263.53	157.28	-149.46	-774.94	5,067.92	3,975.07	3,898.92	76.16	52.197		
16,100.00	6,917.97	11,784.00	7,273.79	266.37	157.28	-149.46	-774.94	5,067.92	4,074.49	3,998.36	76.13	53.518		
16,200.00	6,918.23	11,784.00	7,273.79	269.20	157.28	-149.46	-774.94	5,067.92	4,173.94	4,097.82	76.12	54.834		
16,300.00	6,918.49	11,784.00	7,273.79	272.04	157.28	-149.46	-774.94	5,067.92	4,273.41	4,197.29	76.11	56.145		
16,400.00	6,918.75	11,784.00	7,273.79	274.87	157.28	-149.46	-774.94	5,067.92	4,372.90	4,296.79	76.12	57.451		
16,500.00	6,919.02	11,784.00	7,273.79	277.71	157.28	-149.46	-774.94	5,067.92	4,472.42	4,396.30	76.12	58.753		
16,600.00	6,919.28	11,784.00	7,273.79	280.55	157.28	-149.46	-774.94	5,067.92	4,571.96	4,495.82	76.14	60.049		
16,700.00	6,919.54	11,784.00	7,273.79	283.38	157.28	-149.46	-774.94	5,067.92	4,671.52	4,595.36	76.16	61.342		
16,800.00	6,919.80	11,784.00	7,273.79	286.22	157.28	-149.46	-774.94	5,067.92	4,771.10	4,694.92	76.18	62.629		
16,900.00	6,920.06	11,784.00	7,273.79	289.06	157.28	-149.46	-774.94	5,067.92	4,870.69	4,794.48	76.21	63.912		
17,000.00	6,920.33	11,784.00	7,273.79	291.90	157.28	-149.46	-774.94	5,067.92	4,970.30	4,894.06	76.24	65.190		
17,100.00	6,920.59	11,784.00	7,273.79	294.73	157.28	-149.46	-774.94	5,067.92	5,069.93	4,993.65	76.28	66.463		
17,200.00	6,920.85	11,784.00	7,273.79	297.57	157.28	-149.46	-774.94	5,067.92	5,169.57	5,093.25	76.32	67.732		
17,300.00	6,921.11	11,784.00	7,273.79	300.41	157.28	-149.46	-774.94	5,067.92	5,269.22	5,192.86	76.37	68.997		
17,400.00	6,921.37	11,784.00	7,273.79	303.25	157.28	-149.46	-774.94	5,067.92	5,368.89	5,292.47	76.42	70.256		
17,500.00	6,921.64	11,784.00	7,273.79	306.09	157.28	-149.46	-774.94	5,067.92	5,468.57	5,392.10	76.47	71.512		
17,600.00	6,921.90	11,784.00	7,273.79	308.93	157.28	-149.46	-774.94	5,067.92	5,568.26	5,491.74	76.53	72.763		
17,638.91	6,922.00	11,784.00	7,273.79	310.03	157.28	-149.46	-774.94	5,067.92	5,607.05	5,530.50	76.55	73.248		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	77.76	113.67	524.18	536.41					
100.00	100.00	97.61	97.61	3.28	3.30	77.77	113.50	523.44	535.62	529.04	6.58	81.364		
200.00	200.00	197.45	197.44	3.34	3.37	77.80	113.05	522.72	534.83	528.12	6.71	79.722		
268.11	268.10	267.32	267.31	3.40	3.46	-119.24	112.94	522.07	534.58	527.72	6.86	77.961 CC		
300.00	299.98	300.53	300.51	3.44	3.50	-119.33	112.88	521.65	534.63	527.68	6.94	76.994 ES		
400.00	399.84	405.21	405.18	3.59	3.69	-119.87	112.86	519.67	535.37	528.09	7.28	73.529		
500.00	499.45	501.38	501.33	3.79	3.90	-120.68	113.06	517.58	537.71	530.02	7.69	69.935		
600.00	598.70	596.17	596.11	4.04	4.14	-121.64	112.72	516.47	542.82	534.65	8.17	66.443		
660.50	658.52	657.31	657.24	4.20	4.31	-122.33	112.15	516.07	547.12	538.62	8.50	64.341		
700.00	697.51	697.78	697.70	4.31	4.43	-122.85	111.50	515.76	550.09	541.36	8.73	62.977		
800.00	796.22	804.63	804.51	4.63	4.75	-124.13	108.99	514.27	556.98	547.61	9.37	59.425		
900.00	894.93	892.94	892.80	4.98	5.04	-125.18	107.30	513.30	564.50	554.51	9.99	56.490		
1,000.00	993.64	984.60	984.46	5.34	5.34	-126.31	106.53	513.34	573.69	563.04	10.65	53.875		
1,100.00	1,092.35	1,078.55	1,078.41	5.73	5.65	-127.47	106.42	514.16	584.16	572.83	11.33	51.568		
1,200.00	1,191.06	1,173.97	1,173.81	6.13	5.97	-128.60	106.47	515.64	595.56	583.53	12.03	49.490		
1,300.00	1,289.78	1,273.34	1,273.17	6.54	6.31	-129.75	106.76	517.31	607.42	594.64	12.78	47.541		
1,400.00	1,388.49	1,373.57	1,373.39	6.95	6.67	-130.93	107.69	518.50	619.32	605.78	13.54	45.739		
1,500.00	1,487.20	1,473.87	1,473.68	7.38	7.04	-132.12	108.99	519.18	631.18	616.86	14.32	44.076		
1,600.00	1,585.91	1,572.45	1,572.25	7.81	7.41	-133.30	110.68	519.46	643.12	628.02	15.11	42.575		
1,700.00	1,684.62	1,671.69	1,671.46	8.25	7.79	-134.45	112.47	519.65	655.29	639.38	15.91	41.198		
1,800.00	1,783.33	1,772.20	1,771.96	8.70	8.18	-135.59	114.39	519.52	667.48	650.76	16.72	39.917		
1,900.00	1,882.04	1,868.96	1,868.69	9.15	8.56	-136.66	116.24	519.37	679.90	662.37	17.53	38.791		
2,000.00	1,980.75	1,968.70	1,968.42	9.60	8.96	-137.74	118.44	519.08	692.58	674.23	18.35	37.734		
2,100.00	2,079.46	2,076.07	2,075.58	10.05	9.39	-139.20	124.02	516.05	705.00	685.77	19.23	36.665		
2,200.00	2,178.17	2,207.45	2,206.26	10.51	9.93	-141.33	132.99	506.13	714.89	694.67	20.22	35.359		
2,300.00	2,276.88	2,313.90	2,311.99	10.97	10.38	-143.01	138.02	494.91	721.66	700.56	21.10	34.205		
2,400.00	2,375.59	2,405.89	2,403.49	11.43	10.77	-144.34	141.63	486.07	729.25	707.33	21.92	33.267		
2,500.00	2,474.31	2,497.53	2,494.73	11.89	11.16	-145.60	145.27	478.30	738.18	715.44	22.74	32.457		
2,600.00	2,573.02	2,596.66	2,593.48	12.36	11.59	-146.89	149.19	470.54	748.00	724.40	23.61	31.688		
2,700.00	2,671.73	2,697.82	2,694.21	12.82	12.03	-148.19	153.03	462.17	757.77	733.29	24.48	30.953		
2,800.00	2,770.44	2,795.76	2,791.66	13.29	12.46	-149.48	157.23	453.35	767.70	742.35	25.35	30.288		
2,900.00	2,869.15	2,896.40	2,891.62	13.76	12.91	-150.90	162.78	443.03	777.96	751.72	26.23	29.656		
3,000.00	2,967.86	2,980.31	2,974.98	14.23	13.29	-152.05	167.59	434.84	789.18	762.15	27.03	29.198		
3,100.00	3,066.57	3,076.88	3,070.92	14.70	13.73	-153.35	174.28	426.05	802.08	774.19	27.90	28.751		
3,200.00	3,165.28	3,179.32	3,172.79	15.17	14.19	-154.62	180.32	417.12	814.92	786.12	28.80	28.291		
3,300.00	3,263.99	3,264.04	3,257.07	15.64	14.58	-155.62	185.35	410.13	828.47	798.87	29.60	27.990		
3,400.00	3,362.70	3,356.59	3,349.17	16.11	15.00	-156.67	191.72	403.47	843.68	813.24	30.44	27.715		
3,500.00	3,461.41	3,454.95	3,447.07	16.59	15.44	-157.72	198.28	396.81	859.30	827.98	31.33	27.432		
3,600.00	3,560.12	3,553.16	3,544.88	17.06	15.89	-158.70	204.48	390.40	875.07	842.86	32.21	27.169		
3,700.00	3,658.84	3,650.26	3,641.61	17.53	16.33	-159.62	210.39	384.34	891.08	858.00	33.08	26.935		
3,800.00	3,757.55	3,773.83	3,764.81	18.01	16.88	-160.65	216.37	377.18	906.74	872.60	34.14	26.561		
3,900.00	3,856.26	3,871.12	3,861.97	18.48	17.31	-161.28	218.09	372.34	920.43	885.42	35.01	26.293		
4,000.00	3,954.97	3,965.24	3,955.94	18.96	17.72	-161.89	220.05	367.46	934.37	898.51	35.85	26.060		
4,100.00	4,053.68	4,041.57	4,032.22	19.44	18.05	-162.27	221.60	365.68	949.95	913.39	36.57	25.979		
4,200.00	4,152.39	4,163.75	4,154.39	19.91	18.54	-162.59	221.43	366.37	965.42	927.84	37.57	25.696		
4,300.00	4,251.10	4,265.49	4,256.12	20.39	18.94	-162.80	219.91	366.82	979.73	941.30	38.43	25.496		
4,400.00	4,349.81	4,360.08	4,350.69	20.87	19.32	-162.99	218.08	367.08	993.62	954.38	39.24	25.321		
4,500.00	4,448.52	4,434.44	4,425.03	21.34	19.61	-163.11	217.66	368.43	1,009.46	969.54	39.92	25.290		
4,600.00	4,547.23	4,531.66	4,522.23	21.82	20.00	-163.27	218.07	370.73	1,026.44	985.69	40.75	25.189		
4,700.00	4,645.94	4,622.83	4,613.38	22.30	20.37	-163.47	219.34	372.32	1,043.88	1,002.34	41.54	25.127		
4,800.00	4,744.65	4,719.85	4,710.36	22.78	20.78	-163.73	221.52	373.44	1,061.73	1,019.34	42.39	25.047		
4,900.00	4,843.37	4,818.76	4,809.23	23.26	21.19	-164.01	224.09	374.18	1,079.68	1,036.43	43.26	24.961		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	4,936.89	4,927.34	23.74	21.69	-164.32	226.25	374.87	1,096.97	1,052.71	44.27	24.781		
5,100.00	5,040.79	5,053.77	5,044.21	24.21	22.18	-164.62	226.08	373.87	1,111.75	1,066.50	45.25	24.567		
5,200.00	5,139.50	5,149.42	5,139.85	24.69	22.58	-164.90	226.20	372.24	1,126.41	1,080.31	46.10	24.433		
5,300.00	5,238.21	5,247.43	5,237.85	25.17	23.00	-165.21	226.69	370.37	1,141.33	1,094.36	46.97	24.300		
5,400.00	5,336.92	5,342.35	5,332.74	25.65	23.41	-165.50	227.37	368.36	1,156.34	1,108.53	47.82	24.183		
5,500.00	5,435.63	5,456.99	5,447.35	26.13	23.90	-165.82	227.74	366.44	1,171.32	1,122.53	48.79	24.007		
5,600.00	5,534.34	5,552.63	5,542.99	26.61	24.29	-166.01	226.43	365.56	1,185.23	1,135.60	49.63	23.881		
5,700.00	5,633.05	5,644.10	5,634.45	27.09	24.67	-166.19	225.80	364.82	1,199.79	1,149.34	50.45	23.783		
5,800.00	5,731.76	5,736.57	5,726.91	27.57	25.07	-166.40	225.89	363.88	1,214.93	1,163.65	51.27	23.695		
5,900.00	5,830.47	5,832.13	5,822.47	28.05	25.47	-166.61	226.30	363.14	1,230.48	1,178.37	52.12	23.611		
6,000.00	5,929.18	5,922.17	5,912.50	28.53	25.84	-166.75	226.41	363.62	1,246.43	1,193.52	52.91	23.557		
6,100.00	6,027.90	6,013.54	6,003.87	29.01	26.23	-166.92	227.46	363.83	1,263.12	1,209.40	53.72	23.512		
6,200.00	6,126.61	6,119.15	6,109.47	29.49	26.67	-167.13	228.95	363.81	1,279.95	1,225.30	54.64	23.424		
6,300.00	6,225.32	6,212.47	6,202.79	29.97	27.07	-167.29	229.74	364.04	1,296.42	1,240.95	55.47	23.372		
6,311.21	6,236.38	6,222.46	6,212.77	30.03	27.11	-167.31	229.90	364.01	1,298.31	1,242.75	55.56	23.369		
6,350.00	6,274.70	6,250.03	6,240.34	30.21	27.22	-144.91	230.39	364.02	1,304.40	1,248.60	55.80	23.374		
6,400.00	6,324.03	6,281.07	6,271.36	30.43	27.35	-118.88	230.88	364.92	1,311.14	1,255.07	56.07	23.383		
6,450.00	6,373.00	6,312.12	6,302.35	30.65	27.48	-101.77	231.29	366.86	1,316.63	1,260.31	56.32	23.377		
6,500.00	6,421.31	6,329.00	6,319.16	30.84	27.55	-91.34	231.47	368.34	1,320.97	1,264.56	56.41	23.418		
6,550.00	6,468.66	6,361.28	6,351.14	31.03	27.67	-84.95	231.72	372.62	1,324.15	1,267.54	56.62	23.389		
6,600.00	6,514.76	6,383.56	6,373.01	31.20	27.75	-80.70	231.80	376.89	1,326.49	1,269.78	56.70	23.394		
6,650.00	6,559.32	6,424.00	6,412.05	31.37	27.90	-78.00	231.73	387.38	1,328.14	1,271.16	56.98	23.308		
6,700.00	6,602.08	6,431.19	6,418.90	31.52	27.93	-75.86	231.70	389.57	1,328.33	1,271.45	56.87	23.356		
6,750.00	6,642.77	6,466.87	6,452.76	31.65	28.05	-74.73	231.55	400.81	1,327.54	1,270.44	57.10	23.249		
6,800.00	6,681.13	6,502.09	6,485.98	31.78	28.18	-74.14	231.42	412.54	1,325.42	1,268.08	57.35	23.113		
6,850.00	6,716.93	6,519.00	6,501.84	31.89	28.24	-73.67	231.36	418.39	1,322.22	1,264.84	57.39	23.040		
6,900.00	6,749.95	6,550.00	6,530.62	31.99	28.35	-73.77	231.44	429.88	1,318.10	1,260.45	57.65	22.863		
6,950.00	6,779.98	6,570.18	6,549.08	32.08	28.42	-73.92	231.67	438.04	1,313.46	1,255.64	57.83	22.714		
7,000.00	6,806.85	6,590.09	6,567.05	32.16	28.49	-74.28	232.04	446.60	1,308.29	1,250.24	58.05	22.536		
7,050.00	6,830.38	6,614.00	6,588.29	32.24	28.58	-74.93	232.67	457.55	1,302.69	1,244.28	58.41	22.302		
7,100.00	6,850.43	6,694.02	6,658.01	32.35	28.90	-77.30	232.97	496.81	1,295.95	1,236.34	59.61	21.741		
7,150.00	6,866.88	6,731.71	6,690.12	32.59	29.06	-78.81	231.76	516.48	1,287.40	1,227.08	60.32	21.343		
7,200.00	6,879.62	6,758.38	6,712.16	32.99	29.19	-80.15	230.74	531.48	1,278.57	1,217.59	60.98	20.966		
7,250.00	6,888.58	6,785.23	6,733.67	33.48	29.31	-81.63	229.63	547.51	1,269.61	1,207.88	61.73	20.567		
7,300.00	6,893.70	6,812.16	6,754.54	34.02	29.45	-83.20	228.42	564.47	1,260.64	1,198.09	62.56	20.152		
7,339.40	6,895.01	6,832.89	6,770.24	34.48	29.56	-84.50	227.49	577.97	1,253.67	1,190.41	63.26	19.817		
7,400.00	6,895.16	6,865.56	6,794.42	35.24	29.75	-85.61	226.03	599.89	1,243.98	1,179.57	64.41	19.314		
7,500.00	6,895.43	6,917.10	6,831.01	36.64	30.07	-87.30	223.85	636.12	1,231.87	1,165.47	66.40	18.551		
7,600.00	6,895.69	6,964.14	6,862.04	38.20	30.41	-88.75	222.56	671.44	1,225.02	1,156.53	68.50	17.885		
7,700.00	6,895.95	7,028.24	6,900.07	39.91	30.94	-90.52	221.95	723.00	1,222.98	1,152.10	70.88	17.255		
7,714.05	6,895.99	7,040.12	6,906.55	40.17	31.05	-90.82	221.87	732.95	1,222.96	1,151.70	71.26	17.162		
7,800.00	6,896.21	7,115.61	6,943.47	41.75	31.80	-92.54	221.43	798.75	1,223.68	1,150.03	73.65	16.615		
7,900.00	6,896.47	7,213.17	6,980.28	43.69	32.99	-94.25	221.47	889.03	1,225.96	1,149.19	76.77	15.970		
8,000.00	6,896.74	7,313.96	7,009.10	45.73	34.46	-95.58	221.20	985.59	1,228.10	1,147.89	80.21	15.311		
8,100.00	6,897.00	7,401.87	7,028.57	47.85	35.92	-96.47	222.45	1,071.28	1,231.72	1,148.03	83.69	14.718		
8,200.00	6,897.26	7,484.67	7,039.95	50.04	37.43	-96.98	224.16	1,153.25	1,235.43	1,148.16	87.27	14.156		
8,300.00	6,897.52	7,567.41	7,051.76	52.30	40.98	-97.49	226.73	1,325.45	1,237.48	1,144.40	93.08	13.295		
8,349.93	6,897.65	7,700.41	7,052.35	53.46	41.93	-97.51	226.55	1,368.45	1,237.28	1,142.13	95.16	13.002		
8,400.00	6,897.78	7,732.03	7,052.55	54.61	42.65	-97.51	226.81	1,400.07	1,237.66	1,140.66	97.00	12.760		
8,500.00	6,898.05	7,812.39	7,052.20	56.98	44.52	-97.48	228.94	1,480.39	1,240.03	1,138.87	101.16	12.258		
8,600.00	6,898.31	7,904.12	7,052.19	59.38	46.76	-97.44	232.35	1,572.06	1,243.54	1,137.80	105.75	11.760		
8,700.00	6,898.57	8,004.55	7,052.70	61.82	49.31	-97.43	236.27	1,672.41	1,247.32	1,136.63	110.69	11.269		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,898.83	8,126.68	7,055.47	64.30	52.53	-97.52	239.75	1,794.45	1,250.31	1,133.94	116.37	10.744		
8,900.00	6,899.10	8,245.66	7,059.82	66.81	55.79	-97.71	240.29	1,913.35	1,251.00	1,128.92	122.08	10.248		
9,000.00	6,899.36	8,338.46	7,064.32	69.34	58.39	-97.90	240.76	2,006.04	1,251.97	1,124.86	127.12	9.849		
9,100.00	6,899.62	8,447.07	7,070.01	71.90	61.49	-98.14	240.49	2,114.50	1,252.27	1,119.59	132.68	9.438		
9,200.00	6,899.88	8,539.43	7,073.73	74.48	64.17	-98.30	240.79	2,206.78	1,252.98	1,115.15	137.84	9.090		
9,300.00	6,900.14	8,635.53	7,077.87	77.08	67.00	-98.47	241.34	2,302.79	1,254.02	1,110.87	143.15	8.760		
9,400.00	6,900.41	8,732.11	7,081.47	79.70	69.86	-98.62	242.41	2,399.30	1,255.49	1,106.97	148.52	8.453		
9,500.00	6,900.67	8,827.96	7,084.00	82.33	72.74	-98.71	243.69	2,495.11	1,257.05	1,103.12	153.93	8.167		
9,600.00	6,900.93	8,930.04	7,085.42	84.97	75.82	-98.75	245.81	2,597.15	1,259.15	1,099.56	159.58	7.890		
9,700.00	6,901.19	9,040.72	7,087.85	87.63	79.19	-98.84	246.85	2,707.80	1,260.22	1,094.68	165.54	7.613		
9,800.00	6,901.45	9,152.26	7,092.43	90.31	82.62	-99.03	246.86	2,819.24	1,260.71	1,089.20	171.51	7.351		
9,900.00	6,901.72	9,261.68	7,097.23	92.99	86.01	-99.25	245.77	2,928.55	1,260.24	1,082.82	177.43	7.103		
10,000.00	6,901.98	9,369.82	7,100.16	95.68	89.38	-99.38	244.24	3,036.64	1,259.12	1,075.77	183.35	6.867		
10,100.00	6,902.24	9,453.00	7,100.92	98.38	91.99	-99.41	243.10	3,119.81	1,257.84	1,069.26	188.58	6.670		
10,130.83	6,902.32	9,482.39	7,100.91	99.22	92.91	-99.41	242.95	3,149.20	1,257.64	1,067.33	190.31	6.608		
10,200.00	6,902.50	9,525.92	7,100.87	101.09	94.27	-99.40	243.48	3,192.73	1,258.35	1,064.88	193.46	6.504		
10,300.00	6,902.76	9,596.18	7,101.03	103.81	96.47	-99.38	245.97	3,262.94	1,261.67	1,063.49	198.18	6.366		
10,400.00	6,903.03	9,680.83	7,102.77	106.53	99.13	-99.42	250.39	3,347.45	1,266.92	1,063.57	203.35	6.230		
10,500.00	6,903.29	9,811.07	7,108.50	109.26	103.24	-99.61	256.08	3,477.43	1,271.93	1,061.72	210.21	6.051		
10,600.00	6,903.55	9,945.02	7,114.57	112.00	107.50	-99.86	257.89	3,611.22	1,273.87	1,056.77	217.09	5.868		
10,700.00	6,903.81	10,083.98	7,121.18	114.75	111.94	-100.16	254.62	3,749.99	1,271.93	1,047.97	223.96	5.679		
10,800.00	6,904.08	10,189.17	7,123.71	117.49	115.31	-100.29	251.56	3,855.10	1,269.32	1,039.43	229.89	5.521		
10,900.00	6,904.34	10,292.00	7,124.21	120.25	118.62	-100.32	248.46	3,957.88	1,266.26	1,030.44	235.82	5.370		
11,000.00	6,904.60	10,378.02	7,122.37	123.00	121.38	-100.25	246.60	4,043.86	1,263.59	1,022.23	241.36	5.235		
11,100.00	6,904.86	10,473.37	7,118.26	125.77	124.44	-100.06	245.87	4,139.11	1,261.90	1,014.66	247.23	5.104		
11,200.00	6,905.12	10,555.33	7,114.58	128.53	127.08	-99.89	245.72	4,220.99	1,260.80	1,008.12	252.69	4.990		
11,211.32	6,905.15	10,564.01	7,114.20	128.85	127.36	-99.87	245.80	4,229.66	1,260.79	1,007.51	253.28	4.978		
11,300.00	6,905.39	10,632.06	7,111.32	131.30	129.55	-99.72	246.98	4,297.63	1,261.52	1,003.61	257.91	4.891		
11,400.00	6,905.65	10,722.33	7,108.60	134.08	132.46	-99.57	249.83	4,387.82	1,263.91	1,000.34	263.57	4.795		
11,500.00	6,905.91	10,832.55	7,109.66	136.85	136.02	-99.59	251.93	4,498.01	1,265.77	995.91	269.86	4.691		
11,600.00	6,906.17	10,934.85	7,109.70	139.63	139.33	-99.57	253.67	4,600.29	1,267.27	991.38	275.89	4.593		
11,700.00	6,906.43	11,045.17	7,108.54	142.42	142.90	-99.49	255.30	4,710.59	1,268.39	986.15	282.24	4.494		
11,800.00	6,906.70	11,116.51	7,106.21	145.20	145.21	-99.37	256.83	4,781.87	1,269.90	982.66	287.24	4.421		
11,900.00	6,906.96	11,211.78	7,103.77	147.99	148.29	-99.22	261.08	4,877.01	1,273.68	980.58	293.11	4.345		
12,000.00	6,907.22	11,347.98	7,103.07	150.78	152.72	-99.15	263.90	5,013.17	1,275.46	975.03	300.43	4.245		
12,100.00	6,907.48	11,429.85	7,103.57	153.57	155.38	-99.16	264.95	5,095.04	1,276.63	970.86	305.77	4.175		
12,200.00	6,907.74	11,562.67	7,103.71	156.37	159.71	-99.14	265.80	5,227.85	1,277.09	964.23	312.87	4.082		
12,300.00	6,908.01	11,665.33	7,102.62	159.17	163.07	-99.09	265.09	5,330.50	1,276.07	957.09	318.98	4.000		
12,391.51	6,908.25	11,744.71	7,100.97	161.73	165.66	-99.01	265.00	5,409.86	1,275.52	951.38	324.14	3.935		
12,400.00	6,908.27	11,751.26	7,100.87	161.97	165.87	-99.00	265.04	5,416.41	1,275.53	950.94	324.59	3.930		
12,500.00	6,908.53	11,830.38	7,100.62	164.77	168.46	-98.98	266.06	5,495.52	1,276.57	946.68	329.88	3.870		
12,600.00	6,908.79	11,920.12	7,100.11	167.57	171.39	-98.93	268.32	5,585.23	1,278.79	943.26	335.53	3.811		
12,700.00	6,909.06	12,049.20	7,100.77	170.38	175.60	-98.92	271.37	5,714.27	1,281.26	938.68	342.59	3.740		
12,800.00	6,909.32	12,205.79	7,102.65	173.18	180.74	-99.02	267.38	5,870.76	1,278.42	928.33	350.09	3.652		
12,900.00	6,909.58	12,302.63	7,099.19	175.99	183.91	-98.88	263.90	5,967.47	1,274.15	918.00	356.15	3.578		
13,000.00	6,909.84	12,376.00	7,096.82	178.80	186.32	-98.77	262.45	6,040.79	1,271.48	909.89	361.59	3.516		
13,100.00	6,910.10	12,476.86	7,095.47	181.61	189.63	-98.71	261.19	6,141.63	1,269.88	902.19	367.69	3.454		
13,200.00	6,910.37	12,562.85	7,095.67	184.42	192.46	-98.72	260.25	6,227.61	1,268.65	895.34	373.31	3.398		
13,300.00	6,910.63	12,670.58	7,095.11	187.24	196.00	-98.69	259.21	6,335.34	1,267.43	887.83	379.60	3.339		
13,382.73	6,910.84	12,736.38	7,093.68	189.57	198.16	-98.62	259.09	6,401.12	1,266.87	882.75	384.13	3.298		
13,400.00	6,910.89	12,750.00	7,093.31	190.05	198.61	-98.60	259.19	6,414.73	1,266.90	881.83	385.06	3.290		
13,500.00	6,911.15	12,827.19	7,091.43	192.87	201.14	-98.50	260.53	6,491.89	1,268.08	877.73	390.35	3.249		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,600.00	6,911.41	12,947.18	7,088.91	195.68	205.07	-98.36	263.06	6,611.82	1,269.76	872.51	397.25	3.196		
13,700.00	6,911.68	13,026.06	7,087.05	198.50	207.66	-98.25	264.70	6,690.66	1,271.27	868.67	402.60	3.158		
13,800.00	6,911.94	13,112.96	7,085.50	201.32	210.51	-98.16	267.45	6,777.50	1,273.97	865.79	408.18	3.121		
13,900.00	6,912.20	13,215.89	7,086.16	204.14	213.89	-98.15	270.83	6,880.37	1,277.14	862.79	414.35	3.082		
14,000.00	6,912.46	13,319.73	7,087.82	206.96	217.30	-98.20	273.73	6,984.15	1,279.97	859.45	420.52	3.044		
14,100.00	6,912.72	13,416.10	7,087.61	209.78	220.47	-98.16	276.72	7,080.48	1,282.84	856.39	426.45	3.008		
14,200.00	6,912.99	13,526.98	7,086.44	212.61	224.11	-98.07	280.07	7,191.30	1,285.53	852.51	433.02	2.969		
14,300.00	6,913.25	13,641.77	7,086.13	215.43	227.89	-98.04	281.69	7,306.07	1,286.68	847.00	439.67	2.926		
14,400.00	6,913.51	13,785.21	7,085.44	218.26	232.62	-97.99	282.02	7,449.50	1,286.98	839.89	447.09	2.879		
14,500.00	6,913.77	13,898.62	7,084.17	221.08	236.36	-97.94	278.71	7,562.84	1,283.73	830.23	453.51	2.831		
14,600.00	6,914.04	13,977.54	7,084.14	223.91	238.97	-97.94	276.75	7,641.74	1,281.10	822.01	459.08	2.791		
14,700.00	6,914.30	14,071.82	7,084.96	226.73	242.09	-97.98	275.27	7,736.00	1,279.50	814.53	464.97	2.752		
14,800.00	6,914.56	14,181.66	7,083.35	229.56	245.71	-97.91	273.52	7,845.81	1,277.53	806.15	471.37	2.710		
14,900.00	6,914.82	14,262.00	7,082.14	232.39	248.37	-97.85	272.70	7,926.14	1,276.15	799.19	476.96	2.676		
14,992.80	6,915.06	14,347.08	7,081.01	235.01	251.18	-97.79	272.74	8,011.21	1,275.87	793.46	482.41	2.645		
15,000.00	6,915.08	14,353.68	7,080.88	235.22	251.39	-97.78	272.77	8,017.81	1,275.87	793.03	482.84	2.642		
15,100.00	6,915.35	14,448.52	7,079.05	238.05	254.52	-97.69	273.42	8,112.63	1,276.13	787.29	488.83	2.611		
15,200.00	6,915.61	14,533.51	7,079.32	240.88	257.33	-97.68	274.41	8,197.60	1,277.15	782.79	494.36	2.583		
15,300.00	6,915.87	14,626.58	7,082.07	243.71	260.40	-97.79	276.03	8,290.62	1,279.11	779.05	500.06	2.558		
15,400.00	6,916.13	14,727.55	7,084.09	246.54	263.73	-97.85	278.14	8,391.55	1,281.29	775.18	506.10	2.532		
15,500.00	6,916.39	14,823.10	7,084.46	249.37	266.88	-97.85	280.41	8,487.07	1,283.53	771.52	512.00	2.507		
15,600.00	6,916.66	14,919.47	7,084.39	252.20	270.06	-97.82	283.10	8,583.40	1,286.11	768.16	517.96	2.483		
15,700.00	6,916.92	15,028.48	7,084.32	255.03	273.66	-97.78	285.96	8,692.37	1,288.54	764.10	524.45	2.457		
15,800.00	6,917.18	15,146.48	7,084.53	257.87	277.56	-97.77	287.63	8,810.35	1,289.79	758.57	531.23	2.428		
15,900.00	6,917.44	15,251.48	7,084.23	260.70	281.03	-97.74	288.16	8,915.34	1,290.08	752.57	537.52	2.400		
16,000.00	6,917.70	15,348.20	7,082.57	263.53	284.22	-97.65	288.92	9,012.05	1,290.46	746.88	543.59	2.374		
16,100.00	6,917.97	15,446.04	7,081.39	266.37	287.46	-97.59	289.81	9,109.87	1,291.04	741.36	549.68	2.349		
16,200.00	6,918.23	15,551.52	7,079.53	269.20	290.95	-97.49	290.87	9,215.34	1,291.65	735.58	556.07	2.323		
16,300.00	6,918.49	15,667.78	7,078.81	272.04	294.79	-97.44	290.72	9,331.59	1,291.28	728.57	562.71	2.295		
16,400.00	6,918.75	15,764.30	7,078.24	274.87	297.99	-97.41	289.96	9,428.11	1,290.26	721.51	568.75	2.269		
16,500.00	6,919.02	15,870.88	7,078.42	277.71	301.52	-97.41	289.14	9,534.68	1,289.36	714.33	575.03	2.242		
16,560.05	6,919.17	15,914.67	7,077.56	279.41	302.97	-97.37	288.98	9,578.45	1,288.92	710.67	578.25	2.229		
16,600.00	6,919.28	15,941.72	7,077.19	280.55	303.86	-97.35	289.21	9,605.50	1,289.12	708.86	580.26	2.222		
16,700.00	6,919.54	16,029.84	7,077.14	283.38	306.77	-97.33	291.04	9,693.60	1,290.96	705.04	585.92	2.203		
16,800.00	6,919.80	16,140.30	7,079.50	286.22	310.43	-97.41	292.66	9,804.03	1,292.53	700.20	592.33	2.182		
16,900.00	6,920.06	16,267.69	7,079.16	289.06	314.65	-97.38	293.11	9,931.39	1,292.70	693.33	599.37	2.157		
16,935.72	6,920.16	16,290.42	7,078.85	290.07	315.40	-97.36	293.13	9,954.12	1,292.58	691.41	601.17	2.150		
17,000.00	6,920.33	16,338.12	7,079.01	291.90	316.98	-97.36	293.50	10,001.82	1,292.99	688.49	604.50	2.139		
17,100.00	6,920.59	16,431.46	7,081.05	294.73	320.07	-97.44	295.00	10,095.13	1,294.69	684.44	610.25	2.122		
17,200.00	6,920.85	16,546.19	7,082.40	297.57	323.86	-97.47	296.56	10,209.83	1,296.05	679.18	616.87	2.101		
17,300.00	6,921.11	16,694.59	7,081.97	300.41	328.78	-97.45	294.73	10,358.21	1,294.52	670.22	624.30	2.074		
17,400.00	6,921.37	16,769.00	7,081.21	303.25	331.25	-97.42	292.43	10,432.58	1,291.48	661.61	629.86	2.050		
17,414.19	6,921.41	16,769.00	7,081.21	303.65	331.25	-97.42	292.43	10,432.58	1,291.40	661.09	630.30	2.049 SF		
17,500.00	6,921.64	16,769.00	7,081.21	306.09	331.25	-97.42	292.43	10,432.58	1,294.25	662.88	631.37	2.050		
17,600.00	6,921.90	16,769.00	7,081.21	308.93	331.25	-97.42	292.43	10,432.58	1,304.70	675.51	629.19	2.074		
17,638.91	6,922.00	16,769.00	7,081.21	310.03	331.25	-97.42	292.43	10,432.58	1,310.80	683.42	627.38	2.089		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-70.06	331.53	-913.62	4,887.61					
100.00	100.00	0.00	0.00	3.28	0.00	-70.06	331.53	-913.62	4,789.65	4,782.74	6.90	693.776		
200.00	200.00	0.00	0.00	3.34	0.00	-70.06	331.53	-913.62	4,691.77	4,684.99	6.78	692.076		
300.00	299.98	0.00	0.00	3.44	0.00	102.16	331.53	-913.62	4,594.03	4,587.37	6.66	690.107		
400.00	399.84	0.00	0.00	3.59	0.00	110.55	331.53	-913.62	4,496.54	4,490.01	6.54	687.919		
500.00	499.45	0.00	0.00	3.79	0.00	117.93	331.53	-913.62	4,399.46	4,393.04	6.42	685.462		
600.00	598.70	0.00	0.00	4.04	0.00	124.26	331.53	-913.62	4,302.93	4,296.63	6.30	682.655		
660.50	658.52	0.00	0.00	4.20	0.00	127.61	331.53	-913.62	4,244.86	4,238.63	6.23	680.872		
700.00	697.51	0.00	0.00	4.31	0.00	127.61	331.53	-913.62	4,207.06	4,200.87	6.19	679.442		
800.00	796.22	0.00	0.00	4.63	0.00	127.61	331.53	-913.62	4,111.50	4,105.40	6.09	674.649		
900.00	894.93	0.00	0.00	4.98	0.00	127.61	331.53	-913.62	4,016.15	4,010.15	6.00	668.928		
1,000.00	993.64	0.00	0.00	5.34	0.00	127.61	331.53	-913.62	3,921.04	3,915.12	5.92	662.152		
1,100.00	1,092.35	0.00	0.00	5.73	0.00	127.61	331.53	-913.62	3,826.17	3,820.32	5.85	654.183		
1,200.00	1,191.06	0.00	0.00	6.13	0.00	127.61	331.53	-913.62	3,731.58	3,725.79	5.79	644.878		
1,300.00	1,289.78	0.00	0.00	6.54	0.00	127.61	331.53	-913.62	3,637.27	3,631.53	5.74	634.092		
1,400.00	1,388.49	0.00	0.00	6.95	0.00	127.61	331.53	-913.62	3,543.27	3,537.58	5.70	621.689		
1,500.00	1,487.20	0.00	0.00	7.38	0.00	127.61	331.53	-913.62	3,449.62	3,443.94	5.68	607.546		
1,600.00	1,585.91	0.00	0.00	7.81	0.00	127.61	331.53	-913.62	3,356.33	3,350.65	5.67	591.568		
1,700.00	1,684.62	0.00	0.00	8.25	0.00	127.61	331.53	-913.62	3,263.43	3,257.74	5.69	573.701		
1,800.00	1,783.33	0.00	0.00	8.70	0.00	127.61	331.53	-913.62	3,170.97	3,165.25	5.72	553.941		
1,900.00	1,882.04	0.00	0.00	9.15	0.00	127.61	331.53	-913.62	3,078.98	3,073.20	5.78	532.346		
2,000.00	1,980.75	0.00	0.00	9.60	0.00	127.61	331.53	-913.62	2,987.50	2,981.63	5.87	509.043		
2,100.00	2,079.46	0.00	0.00	10.05	0.00	127.61	331.53	-913.62	2,896.59	2,890.61	5.98	484.228		
2,200.00	2,178.17	0.00	0.00	10.51	0.00	127.61	331.53	-913.62	2,806.30	2,800.17	6.13	458.164		
2,300.00	2,276.88	0.00	0.00	10.97	0.00	127.61	331.53	-913.62	2,716.68	2,710.38	6.30	431.168		
2,400.00	2,375.59	0.00	0.00	11.43	0.00	127.61	331.53	-913.62	2,627.82	2,621.31	6.51	403.591		
2,500.00	2,474.31	0.00	0.00	11.89	0.00	127.61	331.53	-913.62	2,539.78	2,533.02	6.76	375.804		
2,600.00	2,573.02	0.00	0.00	12.36	0.00	127.61	331.53	-913.62	2,452.66	2,445.62	7.04	348.171		
2,700.00	2,671.73	0.00	0.00	12.82	0.00	127.61	331.53	-913.62	2,366.56	2,359.19	7.37	321.036		
2,800.00	2,770.44	0.00	0.00	13.29	0.00	127.61	331.53	-913.62	2,281.60	2,273.86	7.74	294.703		
2,900.00	2,869.15	0.00	0.00	13.76	0.00	127.61	331.53	-913.62	2,197.90	2,189.74	8.16	269.428		
3,000.00	2,967.86	0.00	0.00	14.23	0.00	127.61	331.53	-913.62	2,115.61	2,106.99	8.62	245.416		
3,100.00	3,066.57	0.00	0.00	14.70	0.00	127.61	331.53	-913.62	2,034.92	2,025.78	9.13	222.817		
3,200.00	3,165.28	0.00	0.00	15.17	0.00	127.61	331.53	-913.62	1,956.00	1,946.31	9.70	201.735		
3,300.00	3,263.99	0.00	0.00	15.64	0.00	127.61	331.53	-913.62	1,879.10	1,868.79	10.31	182.228		
3,400.00	3,362.70	0.00	0.00	16.11	0.00	127.61	331.53	-913.62	1,804.46	1,793.48	10.98	164.318		
3,500.00	3,461.41	0.00	0.00	16.59	0.00	127.61	331.53	-913.62	1,732.38	1,720.67	11.71	147.996		
3,600.00	3,560.12	0.00	0.00	17.06	0.00	127.61	331.53	-913.62	1,663.19	1,650.71	12.48	133.233		
3,700.00	3,658.84	0.00	0.00	17.53	0.00	127.61	331.53	-913.62	1,597.27	1,583.95	13.31	119.980		
3,800.00	3,757.55	0.00	0.00	18.01	0.00	127.61	331.53	-913.62	1,535.03	1,520.84	14.19	108.179		
3,900.00	3,856.26	0.00	0.00	18.48	0.00	127.61	331.53	-913.62	1,476.95	1,461.85	15.11	97.763		
4,000.00	3,954.97	0.00	0.00	18.96	0.00	127.61	331.53	-913.62	1,423.54	1,407.48	16.06	88.662		
4,100.00	4,053.68	0.00	0.00	19.44	0.00	127.61	331.53	-913.62	1,375.32	1,358.30	17.02	80.803		
4,200.00	4,152.39	0.00	0.00	19.91	0.00	127.61	331.53	-913.62	1,332.89	1,314.90	17.98	74.114		
4,300.00	4,251.10	0.00	0.00	20.39	0.00	127.61	331.53	-913.62	1,296.78	1,277.86	18.92	68.527		
4,400.00	4,349.81	0.00	0.00	20.87	0.00	127.61	331.53	-913.62	1,267.56	1,247.75	19.81	63.972		
4,500.00	4,448.52	0.00	0.00	21.34	0.00	127.61	331.53	-913.62	1,245.70	1,225.07	20.63	60.388		
4,600.00	4,547.23	0.00	0.00	21.82	0.00	127.61	331.53	-913.62	1,231.60	1,210.26	21.34	57.712		
4,700.00	4,645.94	0.00	0.00	22.30	0.00	127.61	331.53	-913.62	1,225.52	1,203.59	21.93	55.889		
4,724.68	4,670.31	0.00	0.00	22.42	0.00	127.61	331.53	-913.62	1,225.27	1,203.22	22.05	55.563 CC, ES		
4,800.00	4,744.65	0.00	0.00	22.78	0.00	127.61	331.53	-913.62	1,227.59	1,205.21	22.38	54.864		
4,900.00	4,843.37	55.86	55.86	23.26	0.16	127.93	331.32	-913.76	1,236.51	1,213.57	22.94	53.900		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	150.97	150.97	23.74	0.58	128.44	330.75	-914.53	1,246.45	1,222.64	23.81	52.353		
5,100.00	5,040.79	249.90	249.88	24.21	1.01	128.94	329.88	-915.92	1,256.59	1,231.89	24.70	50.873		
5,200.00	5,139.50	348.37	348.33	24.69	1.45	129.41	329.01	-917.60	1,266.98	1,241.39	25.59	49.510		
5,300.00	5,238.21	464.64	464.56	25.17	1.96	129.93	326.89	-919.51	1,276.64	1,250.05	26.59	48.015		
5,400.00	5,336.92	582.03	581.87	25.65	2.48	130.41	322.90	-921.53	1,285.11	1,257.52	27.59	46.578		
5,500.00	5,435.63	702.04	701.72	26.13	3.02	130.85	316.86	-923.13	1,292.05	1,263.45	28.60	45.169		
5,600.00	5,534.34	821.75	821.11	26.61	3.56	131.22	308.39	-925.12	1,297.49	1,267.87	29.62	43.808		
5,700.00	5,633.05	922.58	921.56	27.09	4.03	131.48	299.98	-927.36	1,302.18	1,271.63	30.54	42.637		
5,800.00	5,731.76	1,018.45	1,016.98	27.57	4.48	131.66	291.33	-930.67	1,306.94	1,275.50	31.44	41.563		
5,900.00	5,830.47	1,113.77	1,111.78	28.05	4.94	131.79	282.42	-935.12	1,312.07	1,279.72	32.35	40.556		
6,000.00	5,929.18	1,206.74	1,204.23	28.53	5.39	131.91	273.80	-939.88	1,317.51	1,284.26	33.25	39.624		
6,100.00	6,027.90	1,290.69	1,287.74	29.01	5.79	132.01	266.69	-944.65	1,323.92	1,289.82	34.10	38.830		
6,200.00	6,126.61	1,393.85	1,390.40	29.49	6.28	132.13	258.55	-950.61	1,330.89	1,295.84	35.05	37.969		
6,300.00	6,225.32	1,532.14	1,527.84	29.97	6.96	132.27	245.39	-958.25	1,336.38	1,300.17	36.21	36.905		
6,311.21	6,236.38	1,549.33	1,544.90	30.03	7.05	132.28	243.46	-959.10	1,336.79	1,300.44	36.35	36.776		
6,350.00	6,274.70	1,627.01	1,621.91	30.21	7.44	154.36	233.75	-962.32	1,338.31	1,301.41	36.90	36.266		
6,400.00	6,324.03	1,711.00	1,704.87	30.43	7.87	179.93	220.84	-964.45	1,340.18	1,302.67	37.51	35.732		
6,450.00	6,373.00	1,765.75	1,758.92	30.65	8.15	-163.21	212.15	-965.14	1,343.67	1,305.69	37.98	35.378		
6,500.00	6,421.31	1,814.36	1,806.94	30.84	8.40	-152.96	204.59	-965.31	1,349.11	1,310.69	38.42	35.113		
6,550.00	6,468.66	1,861.51	1,853.56	31.03	8.64	-146.43	197.54	-965.06	1,356.66	1,317.81	38.85	34.917		
6,600.00	6,514.76	1,904.86	1,896.43	31.20	8.87	-141.93	191.17	-964.77	1,366.39	1,327.12	39.27	34.796		
6,650.00	6,559.32	1,946.15	1,937.26	31.37	9.08	-138.62	184.98	-964.90	1,378.38	1,338.71	39.67	34.743 SF		
6,700.00	6,602.08	1,986.83	1,977.46	31.52	9.29	-136.03	178.76	-965.38	1,392.67	1,352.60	40.08	34.749		
6,750.00	6,642.77	2,025.94	2,016.09	31.65	9.50	-133.84	172.68	-966.07	1,409.24	1,368.76	40.47	34.818		
6,800.00	6,681.13	2,062.81	2,052.48	31.78	9.69	-131.86	166.88	-966.89	1,428.09	1,387.23	40.86	34.951		
6,850.00	6,716.93	2,098.57	2,087.81	31.89	9.88	-129.97	161.33	-967.60	1,449.20	1,407.96	41.24	35.143		
6,900.00	6,749.95	2,131.86	2,120.71	31.99	10.05	-128.04	156.29	-968.07	1,472.51	1,430.91	41.60	35.394		
6,950.00	6,779.98	2,158.31	2,146.87	32.08	10.19	-125.84	152.38	-968.35	1,497.99	1,456.05	41.94	35.719		
7,000.00	6,806.85	2,177.02	2,165.37	32.16	10.29	-123.24	149.65	-968.63	1,525.66	1,483.43	42.23	36.124		
7,050.00	6,830.38	2,192.99	2,181.18	32.24	10.37	-120.34	147.35	-968.96	1,555.41	1,512.89	42.51	36.585		
7,100.00	6,850.43	2,206.20	2,194.25	32.35	10.44	-117.07	145.46	-969.29	1,587.04	1,544.26	42.78	37.098		
7,150.00	6,866.88	2,216.64	2,204.57	32.59	10.50	-113.41	143.98	-969.59	1,620.36	1,577.33	43.03	37.659		
7,200.00	6,879.62	2,224.31	2,212.16	32.99	10.54	-109.32	142.90	-969.84	1,655.13	1,611.87	43.26	38.262		
7,250.00	6,888.58	2,229.25	2,217.05	33.48	10.56	-104.81	142.20	-970.01	1,691.11	1,647.64	43.47	38.902		
7,300.00	6,893.70	2,231.52	2,219.29	34.02	10.58	-99.93	141.88	-970.09	1,728.04	1,684.38	43.67	39.575		
7,339.40	6,895.01	2,231.46	2,219.24	34.48	10.58	-95.87	141.89	-970.08	1,757.65	1,713.85	43.81	40.124		
7,400.00	6,895.16	2,230.17	2,217.97	35.24	10.57	-95.81	142.07	-970.04	1,803.88	1,759.86	44.01	40.984		
7,500.00	6,895.43	2,228.11	2,215.93	36.64	10.56	-95.70	142.36	-969.97	1,881.95	1,837.58	44.37	42.417		
7,600.00	6,895.69	2,226.14	2,213.97	38.20	10.55	-95.60	142.64	-969.90	1,962.01	1,917.28	44.73	43.868		
7,700.00	6,895.95	2,224.24	2,212.09	39.91	10.54	-95.51	142.91	-969.84	2,043.82	1,998.74	45.08	45.338		
7,800.00	6,896.21	2,222.41	2,210.28	41.75	10.53	-95.42	143.16	-969.78	2,127.18	2,081.76	45.43	46.828		
7,900.00	6,896.47	2,220.65	2,208.54	43.69	10.52	-95.33	143.41	-969.72	2,211.92	2,166.16	45.76	48.337		
8,000.00	6,896.74	2,218.95	2,206.86	45.73	10.51	-95.25	143.65	-969.67	2,297.89	2,251.81	46.08	49.863		
8,100.00	6,897.00	2,217.32	2,205.24	47.85	10.50	-95.17	143.88	-969.61	2,384.95	2,338.56	46.39	51.405		
8,200.00	6,897.26	2,215.74	2,203.68	50.04	10.49	-95.09	144.10	-969.57	2,472.99	2,426.29	46.69	52.964		
8,300.00	6,897.52	2,214.22	2,202.18	52.30	10.49	-95.01	144.32	-969.52	2,561.90	2,514.92	46.98	54.537		
8,400.00	6,897.78	2,212.75	2,200.72	54.61	10.48	-94.94	144.53	-969.48	2,651.60	2,604.35	47.25	56.123		
8,500.00	6,898.05	2,211.33	2,199.32	56.98	10.47	-94.87	144.73	-969.44	2,742.01	2,694.51	47.50	57.722		
8,600.00	6,898.31	2,209.95	2,197.96	59.38	10.46	-94.80	144.92	-969.40	2,833.07	2,785.32	47.75	59.332		
8,700.00	6,898.57	2,208.63	2,196.64	61.82	10.46	-94.74	145.11	-969.36	2,924.71	2,876.72	47.98	60.952		
8,800.00	6,898.83	2,207.34	2,195.37	64.30	10.45	-94.67	145.30	-969.32	3,016.88	2,968.67	48.21	62.581		
8,900.00	6,899.10	2,206.09	2,194.14	66.81	10.44	-94.61	145.47	-969.29	3,109.53	3,061.11	48.42	64.219		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	2,204.89	2,192.94	69.34	10.44	-94.55	145.65	-969.26	3,202.62	3,154.00	48.62	65.864		
9,100.00	6,899.62	2,203.72	2,191.79	71.90	10.43	-94.49	145.81	-969.22	3,296.12	3,247.30	48.82	67.516		
9,200.00	6,899.88	2,202.58	2,190.66	74.48	10.42	-94.44	145.97	-969.19	3,389.99	3,340.98	49.01	69.174		
9,300.00	6,900.14	2,201.48	2,189.57	77.08	10.42	-94.38	146.13	-969.17	3,484.19	3,435.01	49.19	70.838		
9,400.00	6,900.41	2,200.41	2,188.51	79.70	10.41	-94.33	146.28	-969.14	3,578.71	3,529.36	49.36	72.507		
9,500.00	6,900.67	2,199.37	2,187.49	82.33	10.41	-94.28	146.43	-969.11	3,673.53	3,624.00	49.52	74.179		
9,600.00	6,900.93	2,198.36	2,186.49	84.97	10.40	-94.23	146.58	-969.09	3,768.60	3,718.92	49.68	75.856		
9,700.00	6,901.19	2,197.38	2,185.52	87.63	10.40	-94.18	146.72	-969.06	3,863.93	3,814.10	49.83	77.536		
9,800.00	6,901.45	2,196.43	2,184.57	90.31	10.39	-94.13	146.85	-969.04	3,959.49	3,909.50	49.98	79.218		
9,900.00	6,901.72	2,195.50	2,183.66	92.99	10.39	-94.08	146.99	-969.02	4,055.26	4,005.13	50.12	80.903		
10,000.00	6,901.98	2,194.60	2,182.76	95.68	10.38	-94.04	147.12	-969.00	4,151.23	4,100.96	50.26	82.590		
10,100.00	6,902.24	2,193.72	2,181.89	98.38	10.38	-94.00	147.24	-968.98	4,247.38	4,196.98	50.40	84.278		
10,200.00	6,902.50	2,192.86	2,181.05	101.09	10.37	-93.95	147.37	-968.96	4,343.71	4,293.18	50.53	85.968		
10,300.00	6,902.76	2,192.03	2,180.22	103.81	10.37	-93.91	147.49	-968.94	4,440.20	4,389.54	50.65	87.658		
10,400.00	6,903.03	2,191.21	2,179.42	106.53	10.37	-93.87	147.60	-968.92	4,536.84	4,486.06	50.78	89.349		
10,500.00	6,903.29	2,190.42	2,178.63	109.26	10.36	-93.83	147.72	-968.90	4,633.62	4,582.73	50.90	91.041		
10,600.00	6,903.55	2,189.65	2,177.87	112.00	10.36	-93.79	147.83	-968.88	4,730.54	4,679.53	51.01	92.732		
10,700.00	6,903.81	2,188.90	2,177.12	114.75	10.35	-93.76	147.94	-968.87	4,827.58	4,776.46	51.13	94.423		
10,800.00	6,904.08	2,188.16	2,176.40	117.49	10.35	-93.72	148.04	-968.85	4,924.74	4,873.50	51.24	96.114		
10,900.00	6,904.34	2,187.43	2,175.67	120.25	157.04	-171.87	-287.91	3,653.31	5,021.52	4,923.14	98.38	51.042		
11,000.00	6,904.60	2,186.70	2,174.94	123.00	157.04	-171.87	-287.91	3,653.31	5,027.55	4,928.30	99.26	50.652		
11,100.00	6,904.86	2,185.97	2,174.21	125.77	157.04	-171.87	-287.91	3,653.31	5,035.57	4,935.46	100.11	50.299		
11,200.00	6,905.12	2,185.24	2,173.48	128.53	157.04	-171.87	-287.91	3,653.31	5,045.55	4,944.61	100.94	49.985		
11,300.00	6,905.39	2,184.51	2,172.75	131.30	157.04	-171.87	-287.91	3,653.31	5,057.50	4,955.75	101.74	49.708		
11,400.00	6,905.65	2,183.78	2,172.02	134.08	157.04	-171.87	-287.91	3,653.31	5,071.38	4,968.86	102.52	49.467		
11,500.00	6,905.91	2,183.05	2,171.29	136.85	157.04	-171.87	-287.91	3,653.31	5,087.20	4,983.93	103.27	49.262		
11,600.00	6,906.17	2,182.32	2,170.56	139.63	157.04	-171.87	-287.91	3,653.31	5,104.92	5,000.93	103.99	49.091		
11,700.00	6,906.43	2,181.59	2,169.83	142.42	157.04	-171.87	-287.91	3,653.31	5,124.54	5,019.86	104.68	48.954		
11,800.00	6,906.70	2,180.86	2,169.10	145.20	157.04	-171.87	-287.91	3,653.31	5,146.02	5,040.68	105.34	48.850		
11,900.00	6,906.96	2,180.13	2,168.37	147.99	157.04	-171.87	-287.91	3,653.31	5,169.35	5,063.38	105.98	48.778		
12,000.00	6,907.22	2,179.40	2,167.64	150.78	157.04	-171.87	-287.91	3,653.31	5,194.50	5,087.92	106.58	48.738		
12,100.00	6,907.48	2,178.67	2,166.91	153.57	157.04	-171.87	-287.91	3,653.31	5,221.45	5,114.29	107.16	48.727		
12,200.00	6,907.74	2,177.94	2,166.18	156.37	157.04	-171.87	-287.91	3,653.31	5,250.16	5,142.46	107.70	48.747		
12,300.00	6,908.01	2,177.21	2,165.45	159.17	157.04	-171.87	-287.91	3,653.31	5,280.61	5,172.39	108.22	48.795		
12,400.00	6,908.27	2,176.48	2,164.72	161.97	157.04	-171.87	-287.91	3,653.31	5,312.77	5,204.06	108.71	48.871		
12,500.00	6,908.53	2,175.75	2,164.00	164.77	157.04	-171.87	-287.91	3,653.31	5,346.60	5,237.43	109.17	48.974		
12,600.00	6,908.79	2,175.02	2,163.27	167.57	157.04	-171.87	-287.91	3,653.31	5,382.08	5,272.48	109.61	49.104		
12,700.00	6,909.06	2,174.29	2,162.54	170.38	157.04	-171.87	-287.91	3,653.31	5,419.18	5,309.16	110.01	49.259		
12,800.00	6,909.32	2,173.56	2,161.81	173.18	157.04	-171.87	-287.91	3,653.31	5,457.85	5,347.45	110.40	49.438		
12,900.00	6,909.58	2,172.83	2,161.08	175.99	157.04	-171.87	-287.91	3,653.31	5,498.07	5,387.32	110.75	49.642		
13,000.00	6,909.84	2,172.10	2,160.35	178.80	157.04	-171.87	-287.91	3,653.31	5,539.81	5,428.72	111.09	49.869		
13,100.00	6,910.10	2,171.37	2,159.62	181.61	157.04	-171.87	-287.91	3,653.31	5,583.02	5,471.62	111.40	50.119		
13,200.00	6,910.37	2,170.64	2,158.89	184.42	157.04	-171.87	-287.91	3,653.31	5,627.68	5,516.00	111.68	50.390		
13,300.00	6,910.63	2,169.91	2,158.16	187.24	157.04	-171.87	-287.91	3,653.31	5,673.75	5,561.80	111.95	50.683		
13,400.00	6,910.89	2,169.18	2,157.43	190.05	157.04	-171.87	-287.91	3,653.31	5,721.20	5,609.01	112.19	50.996		
13,500.00	6,911.15	2,168.45	2,156.70	192.87	157.04	-171.87	-287.91	3,653.31	5,769.99	5,657.57	112.41	51.329		
13,600.00	6,911.41	2,167.72	2,155.97	195.68	157.04	-171.87	-287.91	3,653.31	5,820.09	5,707.47	112.62	51.681		
13,700.00	6,911.68	2,166.99	2,155.24	198.50	157.04	-171.87	-287.91	3,653.31	5,871.46	5,758.66	112.80	52.051		
13,800.00	6,911.94	2,166.26	2,154.51	201.32	157.04	-171.87	-287.91	3,653.31	5,924.08	5,811.11	112.97	52.440		
13,900.00	6,912.20	2,165.53	2,153.78	204.14	157.04	-171.87	-287.91	3,653.31	5,977.91	5,864.79	113.12	52.846		
14,000.00	6,912.46	2,164.80	2,153.05	206.96	157.04	-171.87	-287.91	3,653.31	6,032.91	5,919.66	113.26	53.268		
14,100.00	6,912.72	2,164.07	2,152.32	209.78	157.04	-171.87	-287.91	3,653.31	6,089.06	5,975.69	113.38	53.707		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	11,600.00	7,078.38	212.61	157.04	-171.87	-287.91	3,653.31	6,146.33	6,032.85	113.48	54.161		
14,300.00	6,913.25	11,600.00	7,078.38	215.43	157.04	-171.87	-287.91	3,653.31	6,204.68	6,091.10	113.58	54.631		
14,400.00	6,913.51	11,600.00	7,078.38	218.26	157.04	-171.87	-287.91	3,653.31	6,264.08	6,150.42	113.66	55.115		
14,500.00	6,913.77	11,600.00	7,078.38	221.08	157.04	-171.87	-287.91	3,653.31	6,324.50	6,210.78	113.72	55.613		
14,600.00	6,914.04	11,600.00	7,078.38	223.91	157.04	-171.87	-287.91	3,653.31	6,385.92	6,272.14	113.78	56.125		
14,700.00	6,914.30	11,600.00	7,078.38	226.73	157.04	-171.87	-287.91	3,653.31	6,448.30	6,334.48	113.83	56.650		
14,800.00	6,914.56	11,600.00	7,078.38	229.56	157.04	-171.87	-287.91	3,653.31	6,511.63	6,397.76	113.86	57.187		
14,900.00	6,914.82	11,600.00	7,078.38	232.39	157.04	-171.87	-287.91	3,653.31	6,575.86	6,461.97	113.89	57.737		
15,000.00	6,915.08	11,600.00	7,078.38	235.22	157.04	-171.87	-287.91	3,653.31	6,640.98	6,527.07	113.91	58.299		
15,100.00	6,915.35	11,600.00	7,078.38	238.05	157.04	-171.87	-287.91	3,653.31	6,706.96	6,593.03	113.92	58.872		
15,200.00	6,915.61	11,600.00	7,078.38	240.88	157.04	-171.87	-287.91	3,653.31	6,773.77	6,659.84	113.93	59.456		
15,300.00	6,915.87	11,600.00	7,078.38	243.71	157.04	-171.87	-287.91	3,653.31	6,841.39	6,727.46	113.93	60.051		
15,400.00	6,916.13	11,600.00	7,078.38	246.54	157.04	-171.87	-287.91	3,653.31	6,909.79	6,795.88	113.92	60.656		
15,500.00	6,916.39	11,600.00	7,078.38	249.37	157.04	-171.87	-287.91	3,653.31	6,978.96	6,865.06	113.90	61.271		
15,600.00	6,916.66	11,600.00	7,078.38	252.20	157.04	-171.87	-287.91	3,653.31	7,048.87	6,934.99	113.88	61.895		
15,700.00	6,916.92	11,600.00	7,078.38	255.03	157.04	-171.87	-287.91	3,653.31	7,119.50	7,005.64	113.86	62.529		
15,800.00	6,917.18	11,600.00	7,078.38	257.87	157.04	-171.87	-287.91	3,653.31	7,190.82	7,076.99	113.83	63.171		
15,900.00	6,917.44	11,600.00	7,078.38	260.70	157.04	-171.87	-287.91	3,653.31	7,262.82	7,149.02	113.80	63.822		
16,000.00	6,917.70	11,600.00	7,078.38	263.53	157.04	-171.87	-287.91	3,653.31	7,335.47	7,221.71	113.76	64.481		
16,100.00	6,917.97	11,600.00	7,078.38	266.37	157.04	-171.87	-287.91	3,653.31	7,408.77	7,295.05	113.72	65.148		
16,200.00	6,918.23	11,600.00	7,078.38	269.20	157.04	-171.87	-287.91	3,653.31	7,482.68	7,369.00	113.68	65.823		
16,300.00	6,918.49	11,600.00	7,078.38	272.04	157.04	-171.87	-287.91	3,653.31	7,557.19	7,443.56	113.63	66.505		
16,400.00	6,918.75	11,600.00	7,078.38	274.87	157.04	-171.87	-287.91	3,653.31	7,632.29	7,518.70	113.59	67.194		
16,500.00	6,919.02	11,600.00	7,078.38	277.71	157.04	-171.87	-287.91	3,653.31	7,707.95	7,594.41	113.54	67.890		
16,600.00	6,919.28	11,600.00	7,078.38	280.55	157.04	-171.87	-287.91	3,653.31	7,784.16	7,670.67	113.48	68.592		
16,700.00	6,919.54	11,600.00	7,078.38	283.38	157.04	-171.87	-287.91	3,653.31	7,860.90	7,747.47	113.43	69.301		
16,800.00	6,919.80	11,600.00	7,078.38	286.22	157.04	-171.87	-287.91	3,653.31	7,938.16	7,824.79	113.38	70.016		
16,900.00	6,920.06	11,600.00	7,078.38	289.06	157.04	-171.87	-287.91	3,653.31	8,015.93	7,902.61	113.32	70.736		
17,000.00	6,920.33	11,600.00	7,078.38	291.90	157.04	-171.87	-287.91	3,653.31	8,094.18	7,980.92	113.26	71.463		
17,100.00	6,920.59	11,600.00	7,078.38	294.73	157.04	-171.87	-287.91	3,653.31	8,172.91	8,059.70	113.21	72.194		
17,200.00	6,920.85	11,600.00	7,078.38	297.57	157.04	-171.87	-287.91	3,653.31	8,252.10	8,138.95	113.15	72.931		
17,300.00	6,921.11	11,600.00	7,078.38	300.41	157.04	-171.87	-287.91	3,653.31	8,331.73	8,218.64	113.09	73.673		
17,400.00	6,921.37	11,600.00	7,078.38	303.25	157.04	-171.87	-287.91	3,653.31	8,411.80	8,298.77	113.03	74.419		
17,500.00	6,921.64	11,600.00	7,078.38	306.09	157.04	-171.87	-287.91	3,653.31	8,492.29	8,379.32	112.97	75.170		
17,600.00	6,921.90	11,600.00	7,078.38	308.93	157.04	-171.87	-287.91	3,653.31	8,573.20	8,460.28	112.92	75.926		
17,638.91	6,922.00	11,600.00	7,078.38	310.03	157.04	-171.87	-287.91	3,653.31	8,604.78	8,491.89	112.89	76.221		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-68.60	361.77	-923.08	992.13					
100.00	100.00	58.88	58.88	3.28	3.29	-68.60	361.80	-923.16	991.54	984.97	6.57	150.862		
200.00	200.00	150.10	150.10	3.34	3.34	-68.60	362.09	-923.89	992.40	985.72	6.68	148.617		
300.00	299.98	260.62	260.61	3.44	3.46	94.52	362.13	-924.90	993.41	986.51	6.90	143.965		
400.00	399.84	349.46	349.42	3.59	3.60	94.66	360.75	-926.30	994.71	987.52	7.19	138.292		
500.00	499.45	438.44	438.30	3.79	3.78	94.83	357.71	-929.33	997.33	989.76	7.57	131.698		
600.00	598.70	519.45	519.04	4.04	3.98	94.96	353.18	-934.09	1,001.76	993.74	8.02	124.934		
660.50	658.52	567.05	566.33	4.20	4.11	95.02	349.53	-938.09	1,005.53	997.21	8.32	120.826		
700.00	697.51	598.03	597.01	4.31	4.20	95.08	346.70	-941.23	1,008.45	999.92	8.53	118.191		
800.00	796.22	687.36	685.21	4.63	4.50	95.16	337.26	-951.83	1,016.89	1,007.75	9.14	111.251		
900.00	894.93	800.66	796.85	4.98	4.93	95.18	323.76	-965.61	1,025.11	1,015.22	9.89	103.617		
1,000.00	993.64	919.36	913.62	5.34	5.43	95.10	307.38	-979.35	1,032.15	1,021.41	10.74	96.064		
1,100.00	1,092.35	1,108.10	1,098.42	5.73	6.31	94.66	272.08	-993.35	1,033.36	1,021.37	11.99	86.157		
1,200.00	1,191.06	1,228.12	1,214.90	6.13	6.92	94.15	243.45	-997.33	1,028.87	1,015.86	13.01	79.111		
1,300.00	1,289.78	1,364.01	1,346.19	6.54	7.66	93.48	208.50	-999.21	1,021.97	1,007.83	14.15	72.247		
1,400.00	1,388.49	1,458.75	1,437.44	6.95	8.20	92.96	183.01	-999.64	1,013.96	998.85	15.11	67.084		
1,500.00	1,487.20	1,549.78	1,525.22	7.38	8.74	92.47	158.95	-1,000.36	1,006.54	990.45	16.09	62.560		
1,600.00	1,585.91	1,640.73	1,613.13	7.81	9.29	92.00	135.66	-1,001.91	1,000.31	983.24	17.08	58.579		
1,700.00	1,684.62	1,741.27	1,710.67	8.25	9.89	91.57	111.31	-1,003.36	994.37	976.26	18.12	54.880		
1,800.00	1,783.33	1,842.03	1,808.48	8.70	10.50	91.14	87.18	-1,004.57	988.35	969.18	19.17	51.556		
1,900.00	1,882.04	1,914.22	1,878.71	9.15	10.93	90.86	70.51	-1,005.86	983.34	963.27	20.07	48.996		
2,000.00	1,980.75	1,982.87	1,945.93	9.60	11.33	90.69	56.98	-1,009.07	981.92	960.99	20.93	46.924		
2,001.43	1,982.16	1,984.01	1,947.05	9.60	11.34	90.69	56.78	-1,009.13	981.92	960.98	20.94	46.896		
2,100.00	2,079.46	2,092.23	2,053.89	10.05	11.91	90.70	40.56	-1,014.68	982.55	960.59	21.96	44.741		
2,200.00	2,178.17	2,194.43	2,155.30	10.51	12.41	90.93	28.04	-1,016.14	980.38	957.47	22.91	42.791		
2,300.00	2,276.88	2,283.74	2,244.30	10.97	12.80	91.34	20.79	-1,017.90	980.01	956.25	23.77	41.236		
2,329.00	2,305.51	2,312.11	2,272.60	11.10	12.93	91.49	18.97	-1,018.38	980.00	955.98	24.02	40.797 CC		
2,400.00	2,375.59	2,380.85	2,341.25	11.43	13.20	91.93	15.45	-1,019.31	980.10	955.47	24.62	39.802		
2,500.00	2,474.31	2,478.38	2,438.73	11.89	13.58	92.68	12.74	-1,020.05	980.54	955.08	25.45	38.522		
2,600.00	2,573.02	2,576.53	2,536.88	12.36	13.93	93.53	11.73	-1,020.30	981.30	955.03	26.27	37.355 ES		
2,700.00	2,671.73	2,670.80	2,631.14	12.82	14.25	94.44	12.18	-1,020.26	982.56	955.53	27.04	36.339		
2,800.00	2,770.44	2,765.14	2,725.46	13.29	14.53	95.40	13.83	-1,020.15	984.51	956.73	27.78	35.435		
2,900.00	2,869.15	2,856.43	2,816.72	13.76	14.82	96.37	16.25	-1,020.39	987.46	958.94	28.52	34.625		
3,000.00	2,967.86	2,954.31	2,914.57	14.23	15.13	97.40	18.93	-1,020.80	990.93	961.64	29.28	33.839		
3,100.00	3,066.57	3,047.23	3,007.45	14.70	15.43	98.35	21.27	-1,021.75	995.16	965.12	30.04	33.129		
3,200.00	3,165.28	3,144.51	3,104.69	15.17	15.75	99.32	23.55	-1,023.15	1,000.00	969.18	30.82	32.448		
3,300.00	3,263.99	3,240.50	3,200.61	15.64	16.07	100.36	27.32	-1,023.83	1,005.23	973.64	31.59	31.825		
3,400.00	3,362.70	3,338.11	3,298.14	16.11	16.39	101.38	30.98	-1,024.93	1,011.08	978.71	32.37	31.239		
3,500.00	3,461.41	3,456.71	3,416.67	16.59	16.80	102.60	34.74	-1,025.51	1,016.49	983.24	33.25	30.571		
3,600.00	3,560.12	3,551.90	3,511.82	17.06	17.12	103.59	37.64	-1,024.80	1,021.06	987.04	34.02	30.009		
3,700.00	3,658.84	3,649.21	3,609.10	17.53	17.46	104.57	40.25	-1,024.55	1,026.19	991.37	34.82	29.474		
3,800.00	3,757.55	3,748.76	3,708.61	18.01	17.81	105.54	42.63	-1,024.55	1,031.69	996.07	35.63	28.959		
3,900.00	3,856.26	3,855.79	3,815.61	18.48	18.19	106.60	45.26	-1,023.68	1,036.85	1,000.38	36.47	28.429		
4,000.00	3,954.97	3,956.15	3,915.93	18.96	18.55	107.59	47.61	-1,022.37	1,041.85	1,004.57	37.28	27.943		
4,100.00	4,053.68	4,048.00	4,007.74	19.44	18.89	108.50	49.97	-1,021.12	1,047.26	1,009.20	38.06	27.517		
4,200.00	4,152.39	4,137.55	4,097.26	19.91	19.21	109.37	52.59	-1,020.71	1,053.87	1,015.05	38.82	27.146		
4,300.00	4,251.10	4,233.41	4,193.07	20.39	19.56	110.29	55.65	-1,020.71	1,061.31	1,021.69	39.62	26.786		
4,400.00	4,349.81	4,343.81	4,303.40	20.87	19.97	111.36	59.45	-1,019.94	1,068.68	1,028.18	40.50	26.387		
4,500.00	4,448.52	4,443.75	4,403.28	21.34	20.34	112.34	62.60	-1,018.36	1,075.47	1,034.15	41.32	26.027		
4,600.00	4,547.23	4,537.55	4,497.03	21.82	20.69	113.21	65.12	-1,017.47	1,082.74	1,040.63	42.11	25.709		
4,700.00	4,645.94	4,635.62	4,595.08	22.30	21.07	114.08	67.53	-1,016.99	1,090.49	1,047.55	42.94	25.397		
4,800.00	4,744.65	4,731.74	4,691.17	22.78	21.44	114.89	69.43	-1,016.98	1,098.52	1,054.76	43.76	25.106		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,843.37	4,826.98	4,786.39	23.26	21.81	115.66	71.45	-1,017.56	1,107.31	1,062.74	44.57	24.844		
5,000.00	4,942.08	4,941.89	4,901.28	23.74	22.26	116.60	73.50	-1,017.26	1,115.47	1,069.97	45.50	24.513		
5,100.00	5,040.79	5,050.68	5,010.04	24.21	22.68	117.53	75.19	-1,015.36	1,122.66	1,076.27	46.39	24.199		
5,200.00	5,139.50	5,151.60	5,110.93	24.69	23.07	118.39	76.50	-1,013.05	1,129.55	1,082.31	47.24	23.913		
5,300.00	5,238.21	5,247.57	5,206.88	25.17	23.45	119.14	77.04	-1,011.63	1,136.69	1,088.64	48.06	23.652		
5,400.00	5,336.92	5,331.34	5,290.65	25.65	23.79	119.75	77.43	-1,011.42	1,144.81	1,096.00	48.81	23.452		
5,500.00	5,435.63	5,489.67	5,448.94	26.13	24.43	120.90	76.37	-1,008.76	1,151.42	1,101.44	49.98	23.038		
5,600.00	5,534.34	5,589.65	5,548.79	26.61	24.84	121.65	73.74	-1,004.48	1,154.95	1,104.12	50.83	22.722		
5,700.00	5,633.05	5,656.95	5,616.04	27.09	25.11	122.16	72.70	-1,002.30	1,160.24	1,108.72	51.52	22.520		
5,800.00	5,731.76	5,731.75	5,690.84	27.57	25.41	122.71	73.28	-1,001.23	1,168.48	1,116.26	52.22	22.376		
5,900.00	5,830.47	5,813.70	5,772.77	28.05	25.74	123.32	74.71	-1,000.58	1,178.17	1,125.22	52.95	22.251		
6,000.00	5,929.18	5,885.68	5,844.71	28.53	26.03	123.85	77.14	-1,000.85	1,189.97	1,136.39	53.58	22.207		
6,100.00	6,027.90	5,955.06	5,913.99	29.01	26.30	124.33	80.39	-1,002.53	1,204.23	1,150.05	54.17	22.229		
6,200.00	6,126.61	6,077.64	6,036.34	29.49	26.79	125.14	86.62	-1,006.38	1,219.50	1,164.27	55.23	22.079		
6,300.00	6,225.32	6,238.21	6,196.88	29.97	27.44	126.21	89.35	-1,005.97	1,229.76	1,173.22	56.54	21.752		
6,311.21	6,236.38	6,244.01	6,202.68	30.03	27.46	126.25	89.38	-1,005.94	1,230.80	1,174.21	56.60	21.746		
6,350.00	6,274.70	6,277.15	6,235.81	30.21	27.59	148.74	89.50	-1,005.74	1,235.20	1,178.30	56.89	21.711		
6,400.00	6,324.03	6,319.64	6,278.30	30.43	27.77	175.07	89.75	-1,005.71	1,243.15	1,185.89	57.26	21.709 SF		
6,450.00	6,373.00	6,360.44	6,319.10	30.65	27.94	-167.28	90.17	-1,005.84	1,253.66	1,196.04	57.62	21.758		
6,500.00	6,421.31	6,400.56	6,359.21	30.84	28.10	-156.22	90.84	-1,006.07	1,266.66	1,208.70	57.96	21.854		
6,550.00	6,468.66	6,440.87	6,399.51	31.03	28.26	-148.86	91.72	-1,006.39	1,282.08	1,223.78	58.30	21.990		
6,600.00	6,514.76	6,480.01	6,438.63	31.20	28.42	-143.52	92.78	-1,006.78	1,299.82	1,241.19	58.64	22.167		
6,650.00	6,559.32	6,541.61	6,500.21	31.37	28.67	-139.67	94.39	-1,007.27	1,319.56	1,260.41	59.15	22.310		
6,700.00	6,602.08	6,607.43	6,566.02	31.52	28.94	-136.73	95.16	-1,007.06	1,340.44	1,280.76	59.67	22.463		
6,750.00	6,642.77	6,662.51	6,621.10	31.65	29.17	-134.16	95.21	-1,006.46	1,362.80	1,302.68	60.12	22.668		
6,800.00	6,681.13	6,695.31	6,653.90	31.78	29.30	-131.41	95.09	-1,006.05	1,386.96	1,326.53	60.43	22.951		
6,850.00	6,716.93	6,721.06	6,679.65	31.89	29.41	-128.57	95.08	-1,005.92	1,413.33	1,352.63	60.70	23.285		
6,900.00	6,749.95	6,744.45	6,703.03	31.99	29.51	-125.63	95.16	-1,005.96	1,441.79	1,380.84	60.95	23.654		
6,950.00	6,779.98	6,766.71	6,725.30	32.08	29.60	-122.54	95.29	-1,006.14	1,472.20	1,410.99	61.20	24.054		
7,000.00	6,806.85	6,792.79	6,751.37	32.16	29.71	-119.43	95.51	-1,006.37	1,504.31	1,442.81	61.49	24.463		
7,050.00	6,830.38	6,815.66	6,774.25	32.24	29.80	-116.02	95.74	-1,006.55	1,537.93	1,476.16	61.77	24.899		
7,100.00	6,850.43	6,835.19	6,793.77	32.35	29.88	-112.27	95.95	-1,006.67	1,572.90	1,510.88	62.03	25.358		
7,150.00	6,866.88	6,851.22	6,809.80	32.59	29.95	-108.12	96.15	-1,006.76	1,609.07	1,546.80	62.27	25.840		
7,200.00	6,879.62	6,865.80	6,824.38	32.99	30.01	-103.68	96.33	-1,006.83	1,646.23	1,583.72	62.51	26.334		
7,250.00	6,888.58	6,876.16	6,834.74	33.48	30.05	-98.84	96.43	-1,006.89	1,684.18	1,621.45	62.73	26.847		
7,300.00	6,893.70	6,881.90	6,840.48	34.02	30.08	-93.63	96.47	-1,006.93	1,722.71	1,659.78	62.93	27.377		
7,339.40	6,895.01	6,883.16	6,841.74	34.48	30.08	-89.34	96.48	-1,006.94	1,753.33	1,690.27	63.06	27.805		
7,400.00	6,895.16	6,882.90	6,841.48	35.24	30.08	-89.33	96.48	-1,006.94	1,800.92	1,737.67	63.25	28.471		
7,500.00	6,895.43	6,882.47	6,841.04	36.64	30.08	-89.30	96.47	-1,006.93	1,881.10	1,817.51	63.59	29.583		
7,600.00	6,895.69	6,882.04	6,840.62	38.20	30.08	-89.28	96.47	-1,006.93	1,963.10	1,899.18	63.92	30.711		
7,700.00	6,895.95	6,881.61	6,840.19	39.91	30.08	-89.26	96.47	-1,006.93	2,046.70	1,982.44	64.25	31.853		
7,800.00	6,896.21	6,881.20	6,839.77	41.75	30.07	-89.24	96.46	-1,006.93	2,131.71	2,067.13	64.58	33.009		
7,900.00	6,896.47	6,880.78	6,839.36	43.69	30.07	-89.22	96.46	-1,006.92	2,217.97	2,153.08	64.89	34.178		
8,000.00	6,896.74	6,880.37	6,838.95	45.73	30.07	-89.19	96.46	-1,006.92	2,305.35	2,240.15	65.20	35.359		
8,100.00	6,897.00	6,879.97	6,838.54	47.85	30.07	-89.17	96.46	-1,006.92	2,393.71	2,328.22	65.49	36.550		
8,200.00	6,897.26	6,879.56	6,838.14	50.04	30.07	-89.15	96.45	-1,006.92	2,482.95	2,417.18	65.77	37.752		
8,300.00	6,897.52	6,879.17	6,837.75	52.30	30.07	-89.13	96.45	-1,006.91	2,572.99	2,506.95	66.04	38.963		
8,400.00	6,897.78	6,878.77	6,837.35	54.61	30.06	-89.11	96.45	-1,006.91	2,663.73	2,597.44	66.29	40.182		
8,500.00	6,898.05	6,878.39	6,836.96	56.98	30.06	-89.09	96.44	-1,006.91	2,755.12	2,688.59	66.54	41.408		
8,600.00	6,898.31	6,878.00	6,836.58	59.38	30.06	-89.07	96.44	-1,006.91	2,847.09	2,780.32	66.77	42.642		
8,700.00	6,898.57	6,877.62	6,836.20	61.82	30.06	-89.05	96.44	-1,006.90	2,939.58	2,872.59	66.99	43.881		
8,800.00	6,898.83	6,877.24	6,835.82	64.30	30.06	-89.03	96.43	-1,006.90	3,032.55	2,965.34	67.20	45.126		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	6,876.87	6,835.45	66.81	30.06	-89.01	96.43	-1,006.90	3,125.95	3,058.54	67.40	46.377		
9,000.00	6,899.36	6,876.50	6,835.08	69.34	30.05	-88.99	96.43	-1,006.90	3,219.75	3,152.15	67.60	47.632		
9,100.00	6,899.62	6,876.14	6,834.71	71.90	30.05	-88.97	96.43	-1,006.89	3,313.91	3,246.12	67.78	48.890		
9,200.00	6,899.88	6,875.77	6,834.35	74.48	30.05	-88.95	96.42	-1,006.89	3,408.40	3,340.44	67.96	50.153		
9,300.00	6,900.14	6,875.42	6,833.99	77.08	30.05	-88.94	96.42	-1,006.89	3,503.20	3,435.07	68.13	51.419		
9,400.00	6,900.41	6,875.06	6,833.64	79.70	30.05	-88.92	96.42	-1,006.89	3,598.28	3,529.98	68.29	52.687		
9,500.00	6,900.67	6,874.71	6,833.29	82.33	30.05	-88.90	96.41	-1,006.89	3,693.62	3,625.17	68.45	53.959		
9,600.00	6,900.93	6,874.36	6,832.94	84.97	30.05	-88.88	96.41	-1,006.88	3,789.20	3,720.59	68.60	55.232		
9,700.00	6,901.19	6,874.02	6,832.60	87.63	30.04	-88.86	96.41	-1,006.88	3,885.00	3,816.25	68.75	56.508		
9,800.00	6,901.45	6,873.68	6,832.26	90.31	30.04	-88.85	96.40	-1,006.88	3,981.01	3,912.12	68.89	57.785		
9,900.00	6,901.72	6,873.34	6,831.92	92.99	30.04	-88.83	96.40	-1,006.88	4,077.21	4,008.18	69.03	59.063		
10,000.00	6,901.98	6,873.01	6,831.59	95.68	30.04	-88.81	96.40	-1,006.88	4,173.59	4,104.43	69.16	60.343		
10,100.00	6,902.24	6,872.68	6,831.25	98.38	30.04	-88.79	96.39	-1,006.87	4,270.14	4,200.85	69.29	61.624		
10,200.00	6,902.50	6,872.35	6,830.93	101.09	30.04	-88.78	96.39	-1,006.87	4,366.84	4,297.42	69.42	62.906		
10,300.00	6,902.76	6,872.02	6,830.60	103.81	30.04	-88.76	96.39	-1,006.87	4,463.69	4,394.15	69.54	64.188		
10,400.00	6,903.03	6,871.70	6,830.28	106.53	30.03	-88.74	96.39	-1,006.87	4,560.67	4,491.01	69.66	65.470		
10,500.00	6,903.29	6,871.38	6,829.96	109.26	30.03	-88.73	96.38	-1,006.87	4,657.78	4,588.01	69.78	66.753		
10,600.00	6,903.55	6,871.07	6,829.65	112.00	30.03	-88.71	96.38	-1,006.86	4,755.01	4,685.12	69.89	68.036		
10,700.00	6,903.81	6,870.76	6,829.33	114.75	30.03	-88.69	96.38	-1,006.86	4,852.35	4,782.35	70.00	69.319		
10,800.00	6,904.08	6,870.45	6,829.02	117.49	30.03	-88.68	96.37	-1,006.86	4,949.80	4,879.69	70.11	70.602		
10,900.00	6,904.34	6,870.14	6,828.72	120.25	30.03	-88.66	96.37	-1,006.86	5,047.35	4,977.14	70.21	71.884		
11,000.00	6,904.60	6,869.84	6,828.41	123.00	30.03	-88.64	96.37	-1,006.86	5,144.99	5,074.68	70.32	73.166		
11,100.00	6,904.86	6,869.53	6,828.11	125.77	30.03	-88.63	96.37	-1,006.86	5,242.73	5,172.30	70.42	74.448		
11,200.00	6,905.12	6,869.24	6,827.81	128.53	30.02	-88.61	96.36	-1,006.85	5,340.54	5,270.02	70.52	75.728		
11,300.00	6,905.39	6,868.94	6,827.52	131.30	30.02	-88.60	96.36	-1,006.85	5,438.44	5,367.82	70.62	77.008		
11,400.00	6,905.65	6,868.65	6,827.23	134.08	30.02	-88.58	96.36	-1,006.85	5,536.41	5,465.69	70.72	78.287		
11,500.00	6,905.91	6,868.36	6,826.94	136.85	30.02	-88.57	96.35	-1,006.85	5,634.45	5,563.63	70.82	79.566		
11,600.00	6,906.17	6,868.07	6,826.65	139.63	30.02	-88.55	96.35	-1,006.85	5,732.56	5,661.65	70.91	80.842		
11,700.00	6,906.43	6,867.78	6,826.36	142.42	30.02	-88.54	96.35	-1,006.85	5,830.73	5,759.73	71.00	82.118		
11,800.00	6,906.70	6,867.50	6,826.08	145.20	30.02	-88.52	96.35	-1,006.84	5,928.97	5,857.87	71.10	83.393		
11,900.00	6,906.96	6,867.22	6,825.80	147.99	30.02	-88.51	96.34	-1,006.84	6,027.26	5,956.07	71.19	84.666		
12,000.00	6,907.22	6,866.94	6,825.52	150.78	30.02	-88.49	96.34	-1,006.84	6,125.61	6,054.33	71.28	85.938		
12,100.00	6,907.48	6,866.67	6,825.25	153.57	30.01	-88.48	96.34	-1,006.84	6,224.01	6,152.64	71.37	87.208		
12,200.00	6,907.74	6,866.40	6,824.98	156.37	30.01	-88.47	96.33	-1,006.84	6,322.46	6,251.00	71.46	88.477		
12,300.00	6,908.01	6,866.13	6,824.70	159.17	30.01	-88.45	96.33	-1,006.84	6,420.96	6,349.41	71.55	89.744		
12,400.00	6,908.27	6,865.86	6,824.44	161.97	30.01	-88.44	96.33	-1,006.84	6,519.50	6,447.86	71.64	91.009		
12,500.00	6,908.53	6,865.59	6,824.17	164.77	30.01	-88.42	96.33	-1,006.83	6,618.09	6,546.36	71.72	92.273		
12,600.00	6,908.79	6,865.33	6,823.91	167.57	30.01	-88.41	96.32	-1,006.83	6,716.72	6,644.91	71.81	93.535		
12,700.00	6,909.06	6,865.07	6,823.65	170.38	30.01	-88.40	96.32	-1,006.83	6,815.39	6,743.49	71.90	94.795		
12,800.00	6,909.32	6,871.67	6,830.25	173.18	30.03	-88.74	96.43	-1,006.85	6,914.09	6,842.07	72.01	96.011		
12,900.00	6,909.58	6,871.49	6,830.07	175.99	30.03	-88.73	96.43	-1,006.85	7,012.83	6,940.73	72.10	97.266		
13,000.00	6,909.84	6,871.31	6,829.89	178.80	30.03	-88.72	96.43	-1,006.85	7,111.61	7,039.43	72.19	98.519		
13,100.00	6,910.10	6,871.12	6,829.70	181.61	30.03	-88.71	96.42	-1,006.85	7,210.43	7,138.15	72.27	99.770		
13,200.00	6,910.37	6,870.93	6,829.51	184.42	30.03	-88.70	96.42	-1,006.85	7,309.27	7,236.91	72.36	101.019		
13,300.00	6,910.63	6,870.74	6,829.32	187.24	30.03	-88.69	96.42	-1,006.85	7,408.15	7,335.71	72.44	102.265		
13,400.00	6,910.89	6,870.55	6,829.13	190.05	30.03	-88.68	96.42	-1,006.85	7,507.05	7,434.53	72.53	103.510		
13,500.00	6,911.15	6,870.35	6,828.93	192.87	30.03	-88.67	96.41	-1,006.85	7,605.99	7,533.38	72.61	104.752		
13,600.00	6,911.41	6,870.15	6,828.73	195.68	30.03	-88.66	96.41	-1,006.84	7,704.95	7,632.26	72.69	105.991		
13,700.00	6,911.68	6,869.94	6,828.52	198.50	30.03	-88.65	96.41	-1,006.84	7,803.94	7,731.16	72.78	107.229		
13,800.00	6,911.94	6,869.73	6,828.31	201.32	30.03	-88.64	96.40	-1,006.84	7,902.95	7,830.09	72.86	108.464		
13,900.00	6,912.20	6,869.52	6,828.10	204.14	30.03	-88.63	96.40	-1,006.84	8,001.99	7,929.05	72.95	109.696		
14,000.00	6,912.46	6,869.30	6,827.88	206.96	30.02	-88.62	96.40	-1,006.84	8,101.05	8,028.02	73.03	110.927		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	6,912.72	6,869.08	6,827.66	209.78	30.02	-88.61	96.40	-1,006.84	8,200.14	8,127.02	73.11	112.154	
14,200.00	6,912.99	6,868.86	6,827.44	212.61	30.02	-88.59	96.39	-1,006.84	8,299.25	8,226.05	73.20	113.379	
14,300.00	6,913.25	6,868.63	6,827.21	215.43	30.02	-88.58	96.39	-1,006.84	8,398.37	8,325.09	73.28	114.602	
14,400.00	6,913.51	6,868.40	6,826.98	218.26	30.02	-88.57	96.39	-1,006.84	8,497.52	8,424.16	73.37	115.821	
14,500.00	6,913.77	6,868.16	6,826.74	221.08	30.02	-88.56	96.38	-1,006.84	8,596.69	8,523.24	73.45	117.038	
14,600.00	6,914.04	6,867.92	6,826.50	223.91	30.02	-88.55	96.38	-1,006.84	8,695.88	8,622.34	73.54	118.253	
14,700.00	6,914.30	6,867.67	6,826.25	226.73	30.02	-88.53	96.38	-1,006.83	8,795.08	8,721.46	73.62	119.465	
14,800.00	6,914.56	6,867.42	6,826.00	229.56	30.02	-88.52	96.37	-1,006.83	8,894.31	8,820.60	73.71	120.674	
14,900.00	6,914.82	6,867.17	6,825.75	232.39	30.02	-88.51	96.37	-1,006.83	8,993.55	8,919.76	73.79	121.880	
15,000.00	6,915.08	6,866.91	6,825.49	235.22	30.01	-88.49	96.37	-1,006.83	9,092.81	9,018.93	73.88	123.083	
15,100.00	6,915.35	6,866.64	6,825.22	238.05	30.01	-88.48	96.36	-1,006.83	9,192.08	9,118.12	73.96	124.284	
15,200.00	6,915.61	6,866.37	6,824.95	240.88	30.01	-88.46	96.36	-1,006.83	9,291.37	9,217.32	74.05	125.481	
15,300.00	6,915.87	6,866.09	6,824.67	243.71	30.01	-88.45	96.35	-1,006.83	9,390.67	9,316.54	74.13	126.676	
15,400.00	6,916.13	6,865.81	6,824.39	246.54	30.01	-88.44	96.35	-1,006.83	9,489.99	9,415.78	74.22	127.868	
15,500.00	6,916.39	6,865.52	6,824.10	249.37	30.01	-88.42	96.35	-1,006.83	9,589.33	9,515.02	74.30	129.057	
15,600.00	6,916.66	6,865.23	6,823.81	252.20	30.01	-88.41	96.34	-1,006.82	9,688.67	9,614.28	74.39	130.243	
15,700.00	6,916.92	6,864.93	6,823.51	255.03	30.01	-88.39	96.34	-1,006.82	9,788.03	9,713.56	74.48	131.426	
15,800.00	6,917.18	6,864.63	6,823.20	257.87	30.01	-88.37	96.33	-1,006.82	9,887.40	9,812.84	74.56	132.606	
15,900.00	6,917.44	6,864.31	6,822.89	260.70	30.00	-88.36	96.33	-1,006.82	9,986.79	9,912.14	74.65	133.783	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-69.30	346.84	-918.07	982.10					
100.00	100.00	57.66	57.66	3.28	3.29	-69.31	346.85	-918.18	981.53	974.96	6.57	149.343		
200.00	200.00	146.30	146.29	3.34	3.34	-69.32	347.01	-919.19	982.65	975.97	6.68	147.196		
300.00	299.98	272.75	272.74	3.44	3.48	93.81	346.69	-920.18	983.49	976.57	6.92	142.216		
400.00	399.84	452.79	452.52	3.59	3.80	94.36	342.22	-913.05	979.65	972.20	7.45	131.573		
500.00	499.45	608.11	606.67	3.79	4.20	95.24	332.98	-896.60	968.30	960.20	8.10	119.533		
600.00	598.70	769.61	765.33	4.04	4.78	96.53	318.12	-870.55	950.85	941.94	8.91	106.659		
660.50	658.52	832.01	826.20	4.20	5.05	97.25	311.33	-858.65	938.61	929.34	9.27	101.239		
700.00	697.51	866.64	860.01	4.31	5.20	97.55	307.60	-852.10	930.77	921.28	9.48	98.160		
800.00	796.22	982.20	972.68	4.63	5.76	98.57	295.11	-829.70	910.69	900.49	10.21	89.226		
900.00	894.93	1,097.03	1,083.88	4.98	6.38	99.70	282.25	-804.13	887.89	876.93	10.97	80.967		
1,000.00	993.64	1,193.06	1,176.87	5.34	6.93	100.78	272.57	-782.17	865.38	853.71	11.67	74.154		
1,100.00	1,092.35	1,300.75	1,280.70	5.73	7.59	102.03	260.62	-756.25	841.61	829.15	12.46	67.557		
1,200.00	1,191.06	1,405.40	1,381.43	6.13	8.26	103.21	247.25	-731.23	817.60	804.35	13.26	61.673		
1,300.00	1,289.78	1,492.63	1,465.28	6.54	8.83	104.16	234.88	-710.64	793.48	779.47	14.01	56.633		
1,400.00	1,388.49	1,592.45	1,561.38	6.95	9.49	105.09	218.54	-689.18	770.34	755.51	14.83	51.939		
1,500.00	1,487.20	1,697.34	1,661.82	7.38	10.20	105.76	196.85	-668.15	746.37	730.69	15.68	47.587		
1,600.00	1,585.91	1,801.41	1,760.73	7.81	10.94	106.11	171.02	-648.66	721.39	704.84	16.55	43.586		
1,700.00	1,684.62	1,909.13	1,862.39	8.25	11.72	106.22	141.04	-629.51	695.61	678.17	17.45	39.874		
1,800.00	1,783.33	2,031.83	1,976.41	8.70	12.69	106.01	101.97	-606.61	666.80	648.41	18.39	36.260		
1,900.00	1,882.04	2,141.40	2,076.35	9.15	13.62	105.46	62.44	-585.30	634.95	615.61	19.34	32.833		
2,000.00	1,980.75	2,237.58	2,163.62	9.60	14.48	104.90	27.11	-565.63	601.93	581.63	20.31	29.644		
2,100.00	2,079.46	2,327.77	2,245.76	10.05	15.30	104.41	-5.19	-547.06	569.36	548.07	21.29	26.743		
2,200.00	2,178.17	2,422.98	2,332.71	10.51	16.17	104.01	-38.07	-526.51	536.67	514.38	22.29	24.080		
2,300.00	2,276.88	2,508.76	2,411.30	10.97	16.94	103.52	-67.77	-509.23	505.18	481.87	23.32	21.666		
2,400.00	2,375.59	2,608.43	2,502.85	11.43	17.85	102.87	-102.07	-489.84	474.49	450.13	24.36	19.475		
2,500.00	2,474.31	2,723.79	2,606.70	11.89	18.98	101.53	-146.10	-465.76	440.64	415.21	25.44	17.323		
2,600.00	2,573.02	2,822.23	2,692.93	12.36	20.01	99.50	-188.60	-444.59	403.90	377.22	26.68	15.138		
2,700.00	2,671.73	2,904.41	2,765.20	12.82	20.87	97.53	-223.66	-427.26	368.28	340.20	28.08	13.115		
2,800.00	2,770.44	2,994.24	2,845.67	13.29	21.78	95.41	-259.26	-409.18	335.38	305.89	29.49	11.372		
2,900.00	2,869.15	3,086.51	2,928.09	13.76	22.71	92.56	-296.67	-391.33	303.42	272.38	31.04	9.774		
3,000.00	2,967.86	3,177.94	3,009.82	14.23	23.63	89.04	-333.98	-374.33	272.95	240.18	32.77	8.329		
3,100.00	3,066.57	3,268.70	3,092.22	14.70	24.52	85.50	-368.05	-357.42	244.53	209.98	34.54	7.079		
3,200.00	3,165.28	3,368.07	3,183.27	15.17	25.47	81.35	-402.93	-338.29	217.17	180.84	36.33	5.978		
3,300.00	3,263.99	3,457.35	3,265.15	15.64	26.31	76.69	-434.09	-321.11	191.10	152.73	38.37	4.980		
3,400.00	3,362.70	3,554.48	3,354.92	16.11	27.21	70.69	-466.68	-303.42	167.82	127.34	40.49	4.145		
3,500.00	3,461.41	3,649.73	3,442.87	16.59	28.09	63.07	-498.55	-285.47	146.21	103.42	42.78	3.418		
3,600.00	3,560.12	3,742.72	3,527.93	17.06	28.98	52.52	-532.00	-268.38	129.25	84.08	45.17	2.862		
3,700.00	3,658.84	3,838.48	3,616.09	17.53	29.88	39.98	-565.56	-251.94	118.79	71.85	46.94	2.531		
3,798.71	3,756.28	3,932.36	3,702.87	18.00	30.75	26.64	-597.58	-235.89	114.67	67.07	47.60	2.409 CC, ES, SF		
3,800.00	3,757.55	3,933.54	3,703.95	18.01	30.76	26.47	-597.99	-235.68	114.67	67.07	47.60	2.409		
3,900.00	3,856.26	4,024.80	3,786.94	18.48	31.65	12.33	-632.29	-219.47	120.64	73.90	46.74	2.581		
4,000.00	3,954.97	4,117.45	3,870.21	18.96	32.60	-0.62	-669.19	-202.45	136.36	91.16	45.19	3.017		
4,100.00	4,053.68	4,211.71	3,954.61	19.44	33.57	-10.96	-707.34	-184.97	158.70	114.71	43.99	3.607		
4,200.00	4,152.39	4,307.36	4,040.29	19.91	34.58	-19.52	-744.92	-165.06	184.06	140.76	43.30	4.251		
4,300.00	4,251.10	4,400.42	4,123.97	20.39	35.55	-25.67	-781.06	-146.33	211.75	168.69	43.06	4.917		
4,400.00	4,349.81	4,490.66	4,204.57	20.87	36.51	-30.49	-816.81	-127.11	242.41	199.34	43.07	5.629		
4,500.00	4,448.52	4,584.22	4,287.82	21.34	37.51	-34.25	-854.77	-107.62	275.17	231.62	43.55	6.318		
4,600.00	4,547.23	4,673.27	4,367.18	21.82	38.48	-37.04	-890.79	-89.34	308.56	264.52	44.04	7.007		
4,700.00	4,645.94	4,764.94	4,448.01	22.30	39.49	-39.44	-929.24	-69.53	344.39	299.63	44.76	7.693		
4,800.00	4,744.65	4,872.39	4,543.79	22.78	40.65	-41.97	-971.65	-45.64	378.75	332.65	46.10	8.215		
4,900.00	4,843.37	4,970.70	4,632.74	23.26	41.67	-44.04	-1,007.59	-24.15	410.63	363.50	47.13	8.712		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	5,069.98	4,722.94	23.74	42.67	-45.66	-1,043.78	-3.88	442.04	393.83	48.21	9.168		
5,100.00	5,040.79	5,149.50	4,794.79	24.21	43.49	-46.63	-1,074.04	11.72	474.67	425.88	48.79	9.729		
5,200.00	5,139.50	5,264.45	4,898.92	24.69	44.65	-47.83	-1,117.44	33.76	506.96	456.65	50.32	10.076		
5,300.00	5,238.21	5,400.90	5,025.09	25.17	45.92	-49.27	-1,163.01	58.47	535.59	483.50	52.09	10.282		
5,400.00	5,336.92	5,545.50	5,163.76	25.65	47.00	-50.96	-1,198.03	79.44	553.65	500.06	53.59	10.331		
5,500.00	5,435.63	5,660.96	5,276.16	26.13	47.74	-52.22	-1,220.84	92.66	566.62	511.93	54.69	10.361		
5,600.00	5,534.34	5,782.53	5,395.24	26.61	48.45	-53.51	-1,242.04	104.85	577.18	521.44	55.74	10.355		
5,700.00	5,633.05	5,906.31	5,517.34	27.09	49.07	-54.66	-1,260.41	113.41	583.95	527.26	56.69	10.300		
5,800.00	5,731.76	6,027.35	5,637.61	27.57	49.59	-55.93	-1,272.64	119.25	585.62	528.04	57.58	10.170		
5,900.00	5,830.47	6,145.75	5,755.58	28.05	50.03	-57.28	-1,281.56	124.01	585.20	526.76	58.44	10.013		
6,000.00	5,929.18	6,266.60	5,876.29	28.53	50.40	-58.78	-1,286.34	126.62	581.04	521.82	59.22	9.811		
6,100.00	6,027.90	6,378.06	5,987.73	29.01	50.69	-60.27	-1,287.94	127.54	574.47	514.37	60.11	9.558		
6,200.00	6,126.61	6,490.49	6,100.16	29.49	50.93	-61.85	-1,287.51	126.97	566.02	505.07	60.95	9.287		
6,300.00	6,225.32	6,598.18	6,207.81	29.97	51.11	-63.44	-1,285.33	125.03	555.87	494.00	61.86	8.985		
6,311.21	6,236.38	6,610.10	6,219.72	30.03	51.13	-63.62	-1,285.00	124.75	554.65	492.68	61.97	8.950		
6,350.00	6,274.70	6,651.32	6,260.91	30.21	51.20	-41.85	-1,283.77	123.68	549.50	487.18	62.32	8.818		
6,400.00	6,324.03	6,702.15	6,311.69	30.43	51.28	-16.06	-1,282.09	122.14	540.12	477.38	62.74	8.609		
6,450.00	6,373.00	6,751.08	6,360.57	30.65	51.36	1.50	-1,280.62	120.43	527.89	464.78	63.10	8.366		
6,500.00	6,421.31	6,791.15	6,400.60	30.84	51.43	12.86	-1,279.70	119.03	513.18	449.61	63.57	8.073		
6,550.00	6,468.66	6,828.42	6,437.86	31.03	51.51	20.88	-1,279.43	118.14	496.76	432.77	63.99	7.764		
6,600.00	6,514.76	6,869.63	6,479.07	31.20	51.59	27.37	-1,279.75	117.60	478.70	414.50	64.20	7.457		
6,650.00	6,559.32	6,918.24	6,527.67	31.37	51.69	33.51	-1,279.95	116.90	458.32	394.19	64.13	7.147		
6,700.00	6,602.08	6,961.00	6,570.42	31.52	51.79	39.50	-1,279.84	116.14	435.80	371.72	64.07	6.802		
6,750.00	6,642.77	6,997.85	6,607.27	31.65	51.87	45.52	-1,280.02	115.48	412.14	348.08	64.07	6.433		
6,800.00	6,681.13	7,032.67	6,642.07	31.78	51.95	51.85	-1,280.51	114.90	388.05	323.99	64.06	6.057		
6,850.00	6,716.93	7,063.40	6,672.80	31.89	52.03	58.24	-1,281.23	114.55	364.38	300.14	64.24	5.672		
6,900.00	6,749.95	7,092.44	6,701.82	31.99	52.11	64.73	-1,282.15	114.47	342.13	277.47	64.66	5.291		
6,950.00	6,779.98	7,119.41	6,728.77	32.08	52.19	71.07	-1,283.23	114.60	322.45	256.88	65.56	4.918		
7,000.00	6,806.85	7,149.73	6,759.07	32.16	52.28	77.88	-1,284.46	114.75	306.44	239.45	66.99	4.574		
7,050.00	6,830.38	7,175.79	6,785.11	32.24	52.35	83.77	-1,285.32	114.63	295.48	226.17	69.31	4.263		
7,100.00	6,850.43	7,197.17	6,806.48	32.35	52.41	88.34	-1,285.88	114.37	291.25	218.84	72.41	4.022		
7,102.59	6,851.37	7,198.15	6,807.46	32.36	52.41	88.54	-1,285.90	114.36	291.24	218.66	72.59	4.012		
7,150.00	6,866.88	7,213.95	6,823.26	32.59	52.46	91.40	-1,286.23	114.06	294.92	219.06	75.86	3.888		
7,200.00	6,879.62	7,226.13	6,835.43	32.99	52.48	92.83	-1,286.45	113.81	306.83	227.74	79.09	3.879		
7,250.00	6,888.58	7,234.24	6,843.53	33.48	52.50	92.65	-1,286.58	113.62	326.45	244.73	81.72	3.995		
7,300.00	6,893.70	7,238.26	6,847.55	34.02	52.51	90.78	-1,286.63	113.52	352.65	269.03	83.63	4.217		
7,339.40	6,895.01	7,238.61	6,847.90	34.48	52.51	88.10	-1,286.64	113.51	377.06	292.38	84.67	4.453		
7,400.00	6,895.16	7,237.27	6,846.56	35.24	52.51	87.83	-1,286.62	113.54	419.24	333.55	85.69	4.893		
7,500.00	6,895.43	7,235.12	6,844.41	36.64	52.50	87.40	-1,286.59	113.60	497.23	410.83	86.40	5.755		
7,600.00	6,895.69	7,233.04	6,842.34	38.20	52.50	86.98	-1,286.56	113.65	581.99	495.47	86.52	6.727		
7,700.00	6,895.95	7,231.03	6,840.33	39.91	52.49	86.58	-1,286.53	113.69	670.95	584.57	86.38	7.767		
7,800.00	6,896.21	7,229.09	6,838.38	41.75	52.49	86.19	-1,286.50	113.74	762.64	676.49	86.15	8.852		
7,900.00	6,896.47	7,227.21	6,836.50	43.69	52.48	85.81	-1,286.47	113.78	856.20	770.29	85.91	9.967		
8,000.00	6,896.74	7,225.38	6,834.68	45.73	52.48	85.44	-1,286.44	113.82	951.06	865.40	85.66	11.103		
8,100.00	6,897.00	7,223.61	6,832.91	47.85	52.48	85.09	-1,286.41	113.86	1,046.87	961.44	85.43	12.254		
8,200.00	6,897.26	7,221.90	6,831.20	50.04	52.47	84.75	-1,286.38	113.90	1,143.40	1,058.18	85.23	13.416		
8,300.00	6,897.52	7,220.23	6,829.53	52.30	52.47	84.41	-1,286.35	113.94	1,240.48	1,155.44	85.04	14.587		
8,400.00	6,897.78	7,218.62	6,827.92	54.61	52.46	84.09	-1,286.32	113.97	1,337.98	1,253.11	84.87	15.764		
8,500.00	6,898.05	7,217.05	6,826.35	56.98	52.46	83.78	-1,286.29	114.00	1,435.83	1,351.10	84.73	16.947		
8,600.00	6,898.31	7,215.53	6,824.83	59.38	52.46	83.48	-1,286.26	114.03	1,533.95	1,449.36	84.59	18.133		
8,700.00	6,898.57	7,214.04	6,823.35	61.82	52.45	83.18	-1,286.23	114.06	1,632.30	1,547.82	84.48	19.323		
8,800.00	6,898.83	7,212.60	6,821.91	64.30	52.45	82.89	-1,286.21	114.09	1,730.84	1,646.47	84.37	20.514		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	7,211.20	6,820.51	66.81	52.45	82.62	-1,286.18	114.12	1,829.53	1,745.25	84.28	21.708		
9,000.00	6,899.36	7,209.00	6,818.30	69.34	52.44	82.18	-1,286.14	114.17	1,928.36	1,844.16	84.19	22.904		
9,100.00	6,899.62	7,209.00	6,818.30	71.90	52.44	82.18	-1,286.14	114.17	2,027.30	1,943.17	84.13	24.098		
9,200.00	6,899.88	7,209.00	6,818.30	74.48	52.44	82.18	-1,286.14	114.17	2,126.34	2,042.27	84.07	25.294		
9,300.00	6,900.14	7,209.00	6,818.30	77.08	52.44	82.18	-1,286.14	114.17	2,225.46	2,141.45	84.01	26.489		
9,400.00	6,900.41	7,209.00	6,818.30	79.70	52.44	82.18	-1,286.14	114.17	2,324.66	2,240.70	83.97	27.685		
9,500.00	6,900.67	7,209.00	6,818.30	82.33	52.44	82.18	-1,286.14	114.17	2,423.93	2,340.00	83.93	28.880		
9,600.00	6,900.93	7,209.00	6,818.30	84.97	52.44	82.18	-1,286.14	114.17	2,523.26	2,439.36	83.90	30.076		
9,700.00	6,901.19	7,209.00	6,818.30	87.63	52.44	82.18	-1,286.14	114.17	2,622.63	2,538.76	83.87	31.271		
9,800.00	6,901.45	7,209.00	6,818.30	90.31	52.44	82.18	-1,286.14	114.17	2,722.05	2,638.21	83.85	32.465		
9,900.00	6,901.72	7,209.00	6,818.30	92.99	52.44	82.18	-1,286.14	114.17	2,821.51	2,737.69	83.83	33.659		
10,000.00	6,901.98	7,209.00	6,818.30	95.68	52.44	82.18	-1,286.14	114.17	2,921.01	2,837.20	83.81	34.853		
10,100.00	6,902.24	7,209.00	6,818.30	98.38	52.44	82.18	-1,286.14	114.17	3,020.55	2,936.75	83.80	36.045		
10,200.00	6,902.50	7,209.00	6,818.30	101.09	52.44	82.18	-1,286.14	114.17	3,120.11	3,036.32	83.79	37.236		
10,300.00	6,902.76	7,209.00	6,818.30	103.81	52.44	82.18	-1,286.14	114.17	3,219.70	3,135.91	83.79	38.427		
10,400.00	6,903.03	7,209.00	6,818.30	106.53	52.44	82.18	-1,286.14	114.17	3,319.31	3,235.52	83.79	39.616		
10,500.00	6,903.29	7,209.00	6,818.30	109.26	52.44	82.18	-1,286.14	114.17	3,418.95	3,335.16	83.79	40.805		
10,600.00	6,903.55	7,209.00	6,818.30	112.00	52.44	82.18	-1,286.14	114.17	3,518.60	3,434.81	83.79	41.992		
10,700.00	6,903.81	7,209.00	6,818.30	114.75	52.44	82.18	-1,286.14	114.17	3,618.28	3,534.48	83.80	43.178		
10,800.00	6,904.08	7,209.00	6,818.30	117.49	52.44	82.18	-1,286.14	114.17	3,717.97	3,634.16	83.81	44.362		
10,900.00	6,904.34	7,209.00	6,818.30	120.25	52.44	82.18	-1,286.14	114.17	3,817.68	3,733.86	83.82	45.545		
11,000.00	6,904.60	7,209.00	6,818.30	123.00	52.44	82.18	-1,286.14	114.17	3,917.41	3,833.57	83.84	46.727		
11,100.00	6,904.86	7,209.00	6,818.30	125.77	52.44	82.18	-1,286.14	114.17	4,017.14	3,933.29	83.85	47.907		
11,200.00	6,905.12	7,209.00	6,818.30	128.53	52.44	82.18	-1,286.14	114.17	4,116.90	4,033.02	83.87	49.085		
11,300.00	6,905.39	7,209.00	6,818.30	131.30	52.44	82.18	-1,286.14	114.17	4,216.66	4,132.76	83.89	50.262		
11,400.00	6,905.65	7,209.00	6,818.30	134.08	52.44	82.18	-1,286.14	114.17	4,316.43	4,232.51	83.92	51.437		
11,500.00	6,905.91	7,209.00	6,818.30	136.85	52.44	82.18	-1,286.14	114.17	4,416.21	4,332.27	83.94	52.611		
11,600.00	6,906.17	7,209.00	6,818.30	139.63	52.44	82.18	-1,286.14	114.17	4,516.01	4,432.04	83.97	53.783		
11,700.00	6,906.43	7,209.00	6,818.30	142.42	52.44	82.18	-1,286.14	114.17	4,615.81	4,531.81	84.00	54.952		
11,800.00	6,906.70	7,209.00	6,818.30	145.20	52.44	82.18	-1,286.14	114.17	4,715.62	4,631.59	84.03	56.120		
11,900.00	6,906.96	7,209.00	6,818.30	147.99	52.44	82.18	-1,286.14	114.17	4,815.44	4,731.38	84.06	57.287		
12,000.00	6,907.22	7,209.00	6,818.30	150.78	52.44	82.18	-1,286.14	114.17	4,915.26	4,831.17	84.09	58.451		
12,100.00	6,907.48	7,209.00	6,818.30	153.57	52.44	82.18	-1,286.14	114.17	5,015.10	4,930.97	84.13	59.613		
12,200.00	6,907.74	7,209.00	6,818.30	156.37	52.44	82.18	-1,286.14	114.17	5,114.94	5,030.77	84.16	60.773		
12,300.00	6,908.01	7,209.00	6,818.30	159.17	52.44	82.18	-1,286.14	114.17	5,214.78	5,130.58	84.20	61.931		
12,400.00	6,908.27	7,209.00	6,818.30	161.97	52.44	82.18	-1,286.14	114.17	5,314.63	5,230.39	84.24	63.087		
12,500.00	6,908.53	7,209.00	6,818.30	164.77	52.44	82.18	-1,286.14	114.17	5,414.49	5,330.21	84.28	64.241		
12,600.00	6,908.79	7,209.00	6,818.30	167.57	52.44	82.18	-1,286.14	114.17	5,514.35	5,430.03	84.33	65.393		
12,700.00	6,909.06	7,209.00	6,818.30	170.38	52.44	82.18	-1,286.14	114.17	5,614.22	5,529.85	84.37	66.542		
12,800.00	6,909.32	7,209.00	6,818.30	173.18	52.44	82.18	-1,286.14	114.17	5,714.09	5,629.67	84.42	67.690		
12,900.00	6,909.58	7,209.00	6,818.30	175.99	52.44	82.18	-1,286.14	114.17	5,813.97	5,729.50	84.46	68.835		
13,000.00	6,909.84	7,209.00	6,818.30	178.80	52.44	82.18	-1,286.14	114.17	5,913.85	5,829.34	84.51	69.977		
13,100.00	6,910.10	7,209.00	6,818.30	181.61	52.44	82.18	-1,286.14	114.17	6,013.73	5,929.17	84.56	71.118		
13,200.00	6,910.37	7,209.00	6,818.30	184.42	52.44	82.18	-1,286.14	114.17	6,113.62	6,029.01	84.61	72.256		
13,300.00	6,910.63	7,209.00	6,818.30	187.24	52.44	82.18	-1,286.14	114.17	6,213.51	6,128.85	84.66	73.391		
13,400.00	6,910.89	7,209.00	6,818.30	190.05	52.44	82.18	-1,286.14	114.17	6,313.41	6,228.69	84.72	74.525		
13,500.00	6,911.15	7,209.00	6,818.30	192.87	52.44	82.18	-1,286.14	114.17	6,413.30	6,328.53	84.77	75.655		
13,600.00	6,911.41	7,209.00	6,818.30	195.68	52.44	82.18	-1,286.14	114.17	6,513.20	6,428.38	84.83	76.784		
13,700.00	6,911.68	7,209.00	6,818.30	198.50	52.44	82.18	-1,286.14	114.17	6,613.11	6,528.23	84.88	77.909		
13,800.00	6,911.94	7,209.00	6,818.30	201.32	52.44	82.18	-1,286.14	114.17	6,713.02	6,628.08	84.94	79.033		
13,900.00	6,912.20	7,209.00	6,818.30	204.14	52.44	82.18	-1,286.14	114.17	6,812.93	6,727.93	85.00	80.153		
14,000.00	6,912.46	7,209.00	6,818.30	206.96	52.44	82.18	-1,286.14	114.17	6,912.84	6,827.78	85.06	81.271		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	7,209.00	6,818.30	209.78	52.44	82.18	-1,286.14	114.17	7,012.75	6,927.63	85.12	82.387		
14,200.00	6,912.99	7,209.00	6,818.30	212.61	52.44	82.18	-1,286.14	114.17	7,112.67	7,027.49	85.18	83.500		
14,300.00	6,913.25	7,209.00	6,818.30	215.43	52.44	82.18	-1,286.14	114.17	7,212.59	7,127.35	85.25	84.610		
14,400.00	6,913.51	7,209.00	6,818.30	218.26	52.44	82.18	-1,286.14	114.17	7,312.51	7,227.20	85.31	85.718		
14,500.00	6,913.77	7,209.00	6,818.30	221.08	52.44	82.18	-1,286.14	114.17	7,412.44	7,327.06	85.37	86.823		
14,600.00	6,914.04	7,209.00	6,818.30	223.91	52.44	82.18	-1,286.14	114.17	7,512.36	7,426.92	85.44	87.925		
14,700.00	6,914.30	7,209.00	6,818.30	226.73	52.44	82.18	-1,286.14	114.17	7,612.29	7,526.78	85.51	89.024		
14,800.00	6,914.56	7,209.00	6,818.30	229.56	52.44	82.18	-1,286.14	114.17	7,712.22	7,626.64	85.58	90.121		
14,900.00	6,914.82	7,209.00	6,818.30	232.39	52.44	82.18	-1,286.14	114.17	7,812.15	7,726.51	85.65	91.215		
15,000.00	6,915.08	7,209.00	6,818.30	235.22	52.44	82.18	-1,286.14	114.17	7,912.09	7,826.37	85.72	92.306		
15,100.00	6,915.35	7,209.00	6,818.30	238.05	52.44	82.18	-1,286.14	114.17	8,012.02	7,926.23	85.79	93.394		
15,200.00	6,915.61	7,209.00	6,818.30	240.88	52.44	82.18	-1,286.14	114.17	8,111.96	8,026.10	85.86	94.479		
15,300.00	6,915.87	7,209.00	6,818.30	243.71	52.44	82.18	-1,286.14	114.17	8,211.90	8,125.96	85.93	95.562		
15,400.00	6,916.13	7,179.48	6,788.80	246.54	52.36	76.41	-1,285.42	114.60	8,311.64	8,225.74	85.90	96.757		
15,500.00	6,916.39	7,179.28	6,788.60	249.37	52.36	76.37	-1,285.42	114.60	8,411.58	8,325.61	85.98	97.835		
15,600.00	6,916.66	7,179.09	6,788.40	252.20	52.36	76.33	-1,285.41	114.60	8,511.52	8,425.47	86.05	98.911		
15,700.00	6,916.92	7,178.89	6,788.21	255.03	52.36	76.30	-1,285.41	114.61	8,611.47	8,525.34	86.13	99.984		
15,800.00	6,917.18	7,178.71	6,788.02	257.87	52.36	76.26	-1,285.40	114.61	8,711.41	8,625.20	86.21	101.054		
15,900.00	6,917.44	7,178.52	6,787.84	260.70	52.36	76.23	-1,285.40	114.61	8,811.35	8,725.07	86.28	102.121		
16,000.00	6,917.70	7,178.34	6,787.65	263.53	52.36	76.19	-1,285.39	114.61	8,911.30	8,824.94	86.36	103.184		
16,100.00	6,917.97	7,178.16	6,787.48	266.37	52.36	76.16	-1,285.39	114.61	9,011.25	8,924.80	86.44	104.245		
16,200.00	6,918.23	7,177.98	6,787.30	269.20	52.36	76.12	-1,285.38	114.61	9,111.19	9,024.67	86.52	105.303		
16,300.00	6,918.49	7,177.81	6,787.13	272.04	52.36	76.09	-1,285.38	114.62	9,211.14	9,124.54	86.60	106.358		
16,400.00	6,918.75	7,177.64	6,786.96	274.87	52.35	76.06	-1,285.37	114.62	9,311.09	9,224.41	86.69	107.410		
16,500.00	6,919.02	7,177.47	6,786.79	277.71	52.35	76.03	-1,285.37	114.62	9,411.04	9,324.27	86.77	108.459		
16,600.00	6,919.28	7,177.31	6,786.63	280.55	52.35	75.99	-1,285.36	114.62	9,511.00	9,424.14	86.85	109.505		
16,700.00	6,919.54	7,177.15	6,786.46	283.38	52.35	75.96	-1,285.36	114.62	9,610.95	9,524.01	86.94	110.547		
16,800.00	6,919.80	7,176.99	6,786.30	286.22	52.35	75.93	-1,285.35	114.62	9,710.90	9,623.88	87.03	111.587		
16,900.00	6,920.06	7,176.83	6,786.15	289.06	52.35	75.90	-1,285.35	114.62	9,810.86	9,723.75	87.11	112.624		
17,000.00	6,920.33	7,176.68	6,785.99	291.90	52.35	75.87	-1,285.34	114.63	9,910.82	9,823.62	87.20	113.657		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-67.86	377.43	-927.81	1,002.33					
100.00	100.00	60.50	60.49	3.28	3.29	-67.86	377.47	-927.85	1,001.70	995.13	6.57	152.400		
200.00	200.00	155.16	155.16	3.34	3.34	-67.85	377.84	-928.23	1,002.22	995.54	6.68	150.019		
300.00	299.98	251.85	251.84	3.44	3.45	95.30	378.56	-928.93	1,003.33	996.44	6.89	145.606		
400.00	399.84	347.91	347.89	3.59	3.60	95.57	379.47	-929.93	1,005.14	997.95	7.19	139.723		
500.00	499.45	451.77	451.74	3.79	3.82	96.07	380.47	-930.91	1,007.28	999.68	7.60	132.501		
600.00	598.70	550.79	550.76	4.04	4.05	96.73	381.23	-931.71	1,009.70	1,001.62	8.08	124.900		
660.50	658.52	608.96	608.92	4.20	4.21	97.20	381.75	-932.21	1,011.52	1,003.12	8.41	120.326		
700.00	697.51	649.47	649.43	4.31	4.32	97.57	382.10	-932.59	1,012.82	1,004.19	8.64	117.290		
800.00	796.22	751.36	751.31	4.63	4.62	98.45	381.90	-933.67	1,015.97	1,006.72	9.25	109.838		
900.00	894.93	854.75	854.69	4.98	4.94	99.26	380.46	-935.09	1,019.10	1,009.19	9.91	102.822		
1,000.00	993.64	977.06	976.89	5.34	5.33	100.08	375.85	-936.36	1,021.07	1,010.40	10.67	95.679		
1,100.00	1,092.35	1,075.81	1,075.40	5.73	5.67	100.59	369.07	-937.61	1,021.93	1,010.53	11.39	89.704		
1,200.00	1,191.06	1,169.82	1,169.10	6.13	6.01	101.00	361.77	-939.67	1,023.25	1,011.13	12.13	84.372		
1,300.00	1,289.78	1,268.19	1,266.83	6.54	6.38	101.25	351.40	-943.65	1,024.96	1,012.05	12.91	79.378		
1,400.00	1,388.49	1,363.78	1,361.06	6.95	6.86	101.29	335.01	-950.22	1,026.46	1,012.66	13.80	74.364		
1,500.00	1,487.20	1,525.62	1,520.74	7.38	7.47	101.21	310.91	-955.23	1,024.66	1,009.83	14.84	69.067		
1,600.00	1,585.91	1,626.10	1,619.24	7.81	7.95	101.05	291.36	-958.22	1,021.20	1,005.47	15.74	64.898		
1,700.00	1,684.62	1,769.34	1,758.42	8.25	8.67	100.53	257.77	-962.10	1,015.83	998.97	16.86	60.253		
1,800.00	1,783.33	1,904.45	1,888.51	8.70	9.42	99.89	221.34	-961.34	1,005.69	987.71	17.98	55.925		
1,900.00	1,882.04	2,019.83	1,998.37	9.15	10.11	99.14	186.15	-959.69	993.31	974.24	19.07	52.084		
2,000.00	1,980.75	2,131.81	2,103.39	9.60	10.85	98.11	147.31	-958.63	979.62	959.41	20.21	48.474		
2,100.00	2,079.46	2,211.88	2,177.28	10.05	11.44	97.15	116.51	-959.53	966.40	945.13	21.27	45.427		
2,200.00	2,178.17	2,310.51	2,267.04	10.51	12.21	95.71	75.79	-962.99	954.57	932.07	22.50	42.432		
2,300.00	2,276.88	2,411.43	2,358.27	10.97	13.04	94.12	32.77	-966.38	942.69	918.91	23.79	39.631		
2,400.00	2,375.59	2,488.85	2,428.21	11.43	13.70	92.86	-0.25	-969.77	932.45	907.50	24.95	37.367		
2,500.00	2,474.31	2,579.83	2,510.39	11.89	14.48	91.33	-38.94	-974.92	924.17	897.94	26.23	35.228		
2,600.00	2,573.02	2,670.67	2,592.41	12.36	15.28	89.78	-77.58	-980.57	917.18	889.65	27.53	33.314		
2,700.00	2,671.73	2,759.19	2,672.03	12.82	16.08	88.20	-115.74	-986.93	911.75	882.92	28.83	31.625		
2,800.00	2,770.44	2,857.26	2,760.23	13.29	16.98	86.43	-158.01	-994.18	907.42	877.20	30.22	30.029		
2,900.00	2,869.15	2,956.98	2,850.27	13.76	17.89	84.66	-200.30	-1,001.12	903.73	872.10	31.62	28.580		
3,000.00	2,967.86	3,057.43	2,940.93	14.23	18.82	82.86	-243.09	-1,007.50	900.28	867.25	33.03	27.257		
3,100.00	3,066.57	3,159.33	3,033.62	14.70	19.75	81.14	-284.98	-1,013.38	897.37	862.94	34.43	26.063		
3,200.00	3,165.28	3,264.57	3,129.96	15.17	20.70	79.43	-327.07	-1,018.25	894.27	858.43	35.85	24.947		
3,300.00	3,263.99	3,358.87	3,216.16	15.64	21.55	77.88	-365.10	-1,022.29	891.53	854.37	37.16	23.991		
3,400.00	3,362.70	3,462.19	3,311.15	16.11	22.48	76.25	-405.50	-1,026.53	889.42	850.88	38.53	23.082		
3,500.00	3,461.41	3,554.24	3,395.58	16.59	23.31	74.76	-441.98	-1,030.23	887.88	848.07	39.81	22.304		
3,600.00	3,560.12	3,654.48	3,487.70	17.06	24.22	73.17	-481.29	-1,034.23	887.02	845.88	41.14	21.562		
3,665.35	3,624.63	3,715.88	3,544.27	17.37	24.77	72.21	-505.05	-1,036.67	886.80	844.84	41.96	21.135 CC		
3,700.00	3,658.84	3,745.18	3,571.24	17.53	25.03	71.75	-516.43	-1,037.91	886.90	844.53	42.37	20.934 ES		
3,800.00	3,757.55	3,824.70	3,643.91	18.01	25.77	70.43	-548.41	-1,042.34	888.99	845.51	43.48	20.448		
3,900.00	3,856.26	3,929.52	3,738.92	18.48	26.77	68.59	-592.27	-1,048.36	892.16	847.31	44.84	19.895		
4,000.00	3,954.97	4,029.83	3,829.51	18.96	27.74	66.78	-635.02	-1,053.48	895.66	849.51	46.15	19.407		
4,100.00	4,053.68	4,130.25	3,920.21	19.44	28.71	64.98	-677.92	-1,057.83	899.32	851.88	47.44	18.958		
4,200.00	4,152.39	4,234.92	4,015.26	19.91	29.71	63.18	-721.51	-1,062.24	903.54	854.81	48.74	18.539		
4,300.00	4,251.10	4,333.68	4,105.40	20.39	30.64	61.55	-761.75	-1,065.53	907.51	857.55	49.95	18.167		
4,400.00	4,349.81	4,434.10	4,196.75	20.87	31.59	59.87	-803.31	-1,068.66	912.18	861.02	51.16	17.829		
4,500.00	4,448.52	4,522.76	4,277.82	21.34	32.42	58.46	-839.10	-1,071.73	917.65	865.43	52.22	17.572		
4,600.00	4,547.23	4,616.35	4,363.82	21.82	33.29	57.08	-875.74	-1,076.02	924.47	871.17	53.30	17.344		
4,700.00	4,645.94	4,707.83	4,448.58	22.30	34.10	55.88	-909.75	-1,081.25	932.29	877.96	54.33	17.161		
4,800.00	4,744.65	4,823.39	4,556.79	22.78	35.08	54.57	-949.69	-1,088.20	939.92	884.34	55.58	16.911		
4,900.00	4,843.37	4,935.30	4,662.49	23.26	35.99	53.45	-986.01	-1,093.80	946.19	889.43	56.76	16.670		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	5,044.77	4,766.55	23.74	36.85	52.46	-1,019.68	-1,098.58	951.51	893.62	57.89	16.437		
5,100.00	5,040.79	5,154.05	4,870.96	24.21	37.68	51.57	-1,051.65	-1,102.73	955.95	896.96	59.00	16.203		
5,200.00	5,139.50	5,260.24	4,973.09	24.69	38.44	50.84	-1,080.44	-1,106.76	959.74	899.68	60.06	15.981		
5,300.00	5,238.21	5,374.07	5,083.35	25.17	39.21	50.22	-1,108.44	-1,110.87	962.44	901.29	61.15	15.740		
5,400.00	5,336.92	5,485.39	5,191.90	25.65	39.92	49.78	-1,132.76	-1,114.61	963.87	901.68	62.20	15.497		
5,500.00	5,435.63	5,598.48	5,302.88	26.13	40.58	49.52	-1,154.18	-1,118.36	964.11	900.88	63.23	15.247		
5,600.00	5,534.34	5,709.49	5,412.38	26.61	41.18	49.43	-1,172.04	-1,121.97	963.14	898.91	64.23	14.994		
5,700.00	5,633.05	5,828.81	5,530.58	27.09	41.76	49.50	-1,188.06	-1,125.14	960.53	895.29	65.24	14.723		
5,800.00	5,731.76	5,948.09	5,649.16	27.57	42.29	49.72	-1,200.72	-1,127.16	955.91	889.70	66.21	14.438		
5,900.00	5,830.47	6,048.06	5,748.71	28.05	42.71	49.99	-1,209.80	-1,128.30	950.17	883.02	67.15	14.150		
6,000.00	5,929.18	6,148.47	5,848.73	28.53	43.13	50.28	-1,218.50	-1,129.62	944.46	876.37	68.09	13.871		
6,100.00	6,027.90	6,240.10	5,940.04	29.01	43.50	50.60	-1,225.91	-1,131.52	939.24	870.22	69.02	13.608		
6,200.00	6,126.61	6,337.40	6,037.02	29.49	43.89	50.99	-1,233.33	-1,134.40	934.71	864.76	69.95	13.362		
6,300.00	6,225.32	6,446.00	6,145.37	29.97	44.29	51.54	-1,239.67	-1,137.90	929.81	858.91	70.90	13.115		
6,311.21	6,236.38	6,458.38	6,157.74	30.03	44.33	51.61	-1,240.26	-1,138.27	929.20	858.20	71.00	13.087		
6,350.00	6,274.70	6,501.22	6,200.51	30.21	44.49	73.93	-1,242.15	-1,139.49	928.08	856.71	71.37	13.003		
6,351.86	6,276.54	6,503.27	6,202.56	30.22	44.50	75.01	-1,242.23	-1,139.54	928.08	856.69	71.39	13.000		
6,400.00	6,324.03	6,554.03	6,253.27	30.43	44.66	99.97	-1,243.99	-1,140.95	929.73	857.88	71.85	12.940		
6,450.00	6,373.00	6,605.18	6,304.39	30.65	44.82	117.25	-1,245.24	-1,142.38	934.93	862.61	72.33	12.927 SF		
6,500.00	6,421.31	6,653.95	6,353.12	30.84	44.97	127.82	-1,245.96	-1,143.85	943.82	871.02	72.80	12.965		
6,550.00	6,468.66	6,701.31	6,400.46	31.03	45.10	134.57	-1,246.22	-1,145.40	956.40	883.15	73.26	13.055		
6,600.00	6,514.76	6,747.01	6,446.13	31.20	45.22	139.13	-1,246.09	-1,147.02	972.67	898.97	73.71	13.197		
6,650.00	6,559.32	6,791.60	6,490.69	31.37	45.33	142.36	-1,245.62	-1,148.67	992.56	918.43	74.13	13.389		
6,700.00	6,602.08	6,834.44	6,533.49	31.52	45.44	144.71	-1,244.93	-1,150.29	1,015.95	941.40	74.54	13.629		
6,750.00	6,642.77	6,877.92	6,576.93	31.65	45.54	146.47	-1,243.96	-1,151.92	1,042.68	967.75	74.93	13.915		
6,800.00	6,681.13	6,920.74	6,619.71	31.78	45.64	147.78	-1,242.68	-1,153.39	1,072.49	997.20	75.29	14.245		
6,850.00	6,716.93	6,961.53	6,660.45	31.89	45.73	148.68	-1,241.22	-1,154.62	1,105.23	1,029.60	75.63	14.614		
6,900.00	6,749.95	7,000.55	6,699.45	31.99	45.82	149.17	-1,240.14	-1,155.47	1,140.67	1,064.73	75.94	15.021		
6,950.00	6,779.98	7,036.81	6,735.69	32.08	45.90	149.22	-1,239.48	-1,155.96	1,178.62	1,102.41	76.21	15.465		
7,000.00	6,806.85	7,069.23	6,768.12	32.16	46.00	148.75	-1,239.28	-1,156.13	1,218.87	1,142.39	76.48	15.937		
7,050.00	6,830.38	7,098.61	6,797.49	32.24	46.08	147.68	-1,239.46	-1,156.07	1,261.19	1,184.48	76.71	16.441		
7,100.00	6,850.43	7,124.46	6,823.35	32.35	46.15	145.81	-1,239.91	-1,155.84	1,305.34	1,228.43	76.91	16.972		
7,150.00	6,866.88	7,139.59	6,838.47	32.59	46.20	142.35	-1,240.18	-1,155.69	1,351.12	1,274.03	77.09	17.526		
7,200.00	6,879.62	7,152.37	6,851.25	32.99	46.24	136.90	-1,240.41	-1,155.57	1,398.25	1,321.00	77.25	18.101		
7,250.00	6,888.58	7,161.45	6,860.33	33.48	46.26	127.85	-1,240.56	-1,155.49	1,446.43	1,369.06	77.37	18.695		
7,300.00	6,893.70	7,166.81	6,865.68	34.02	46.28	112.27	-1,240.65	-1,155.44	1,495.33	1,417.87	77.47	19.302		
7,339.40	6,895.01	7,168.39	6,867.26	34.48	46.28	93.19	-1,240.67	-1,155.43	1,534.19	1,456.66	77.53	19.788		
7,400.00	6,895.16	7,169.04	6,867.91	35.24	46.29	93.35	-1,240.68	-1,155.42	1,594.08	1,516.47	77.61	20.540		
7,500.00	6,895.43	7,170.10	6,868.97	36.64	46.29	93.60	-1,240.70	-1,155.41	1,693.03	1,615.30	77.73	21.781		
7,600.00	6,895.69	7,171.16	6,870.03	38.20	46.29	93.86	-1,240.71	-1,155.40	1,792.09	1,714.25	77.84	23.023		
7,700.00	6,895.95	7,172.20	6,871.08	39.91	46.30	94.11	-1,240.73	-1,155.39	1,891.25	1,813.31	77.94	24.266		
7,800.00	6,896.21	7,173.24	6,872.11	41.75	46.30	94.36	-1,240.75	-1,155.38	1,990.50	1,912.47	78.03	25.509		
7,900.00	6,896.47	7,174.27	6,873.14	43.69	46.30	94.60	-1,240.76	-1,155.38	2,089.81	2,011.70	78.12	26.752		
8,000.00	6,896.74	7,175.29	6,874.16	45.73	46.31	94.85	-1,240.78	-1,155.37	2,189.19	2,110.99	78.20	27.995		
8,100.00	6,897.00	7,176.31	6,875.18	47.85	46.31	95.09	-1,240.79	-1,155.36	2,288.62	2,210.35	78.27	29.238		
8,200.00	6,897.26	7,177.31	6,876.18	50.04	46.31	95.33	-1,240.81	-1,155.35	2,388.10	2,309.76	78.35	30.481		
8,300.00	6,897.52	7,178.31	6,877.18	52.30	46.31	95.57	-1,240.82	-1,155.34	2,487.62	2,409.21	78.42	31.724		
8,400.00	6,897.78	7,179.30	6,878.17	54.61	46.32	95.81	-1,240.84	-1,155.33	2,587.18	2,508.70	78.48	32.965		
8,500.00	6,898.05	7,180.28	6,879.16	56.98	46.32	96.04	-1,240.85	-1,155.33	2,686.77	2,608.23	78.55	34.207		
8,600.00	6,898.31	7,181.26	6,880.13	59.38	46.32	96.27	-1,240.87	-1,155.32	2,786.39	2,707.78	78.61	35.447		
8,700.00	6,898.57	7,182.23	6,881.10	61.82	46.33	96.50	-1,240.88	-1,155.31	2,886.03	2,807.37	78.67	36.687		
8,800.00	6,898.83	7,183.19	6,882.06	64.30	46.33	96.73	-1,240.89	-1,155.30	2,985.70	2,906.98	78.72	37.926		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	6,899.10	7,184.14	6,883.01	66.81	46.33	96.96	-1,240.91	-1,155.30	3,085.39	3,006.61	78.78	39.164		
9,000.00	6,899.36	7,185.09	6,883.96	69.34	46.34	97.18	-1,240.92	-1,155.29	3,185.10	3,106.26	78.84	40.401		
9,100.00	6,899.62	7,186.03	6,884.90	71.90	46.34	97.41	-1,240.93	-1,155.28	3,284.82	3,205.93	78.89	41.636		
9,200.00	6,899.88	7,186.96	6,885.83	74.48	46.34	97.63	-1,240.95	-1,155.27	3,384.57	3,305.62	78.95	42.871		
9,300.00	6,900.14	7,187.88	6,886.75	77.08	46.34	97.84	-1,240.96	-1,155.27	3,484.32	3,405.32	79.00	44.105		
9,400.00	6,900.41	7,188.80	6,887.67	79.70	46.35	98.06	-1,240.97	-1,155.26	3,584.09	3,505.04	79.06	45.337		
9,500.00	6,900.67	7,189.71	6,888.58	82.33	46.35	98.28	-1,240.98	-1,155.25	3,683.87	3,604.77	79.11	46.567		
9,600.00	6,900.93	7,190.62	6,889.49	84.97	46.35	98.49	-1,241.00	-1,155.25	3,783.67	3,704.51	79.16	47.797		
9,700.00	6,901.19	7,191.52	6,890.39	87.63	46.36	98.70	-1,241.01	-1,155.24	3,883.47	3,804.26	79.21	49.025		
9,800.00	6,901.45	7,192.41	6,891.28	90.31	46.36	98.91	-1,241.02	-1,155.23	3,983.28	3,904.02	79.27	50.251		
9,900.00	6,901.72	7,193.29	6,892.16	92.99	46.36	99.12	-1,241.03	-1,155.22	4,083.10	4,003.78	79.32	51.476		
10,000.00	6,901.98	7,194.17	6,893.04	95.68	46.36	99.32	-1,241.05	-1,155.22	4,182.94	4,103.56	79.37	52.700		
10,100.00	6,902.24	7,195.04	6,893.91	98.38	46.37	99.53	-1,241.06	-1,155.21	4,282.77	4,203.35	79.43	53.921		
10,200.00	6,902.50	7,195.91	6,894.78	101.09	46.37	99.73	-1,241.07	-1,155.21	4,382.62	4,303.14	79.48	55.141		
10,300.00	6,902.76	7,196.77	6,895.64	103.81	46.37	99.93	-1,241.08	-1,155.20	4,482.47	4,402.94	79.53	56.359		
10,400.00	6,903.03	7,197.62	6,896.49	106.53	46.37	100.13	-1,241.09	-1,155.19	4,582.33	4,502.74	79.59	57.576		
10,500.00	6,903.29	7,198.47	6,897.34	109.26	46.38	100.33	-1,241.10	-1,155.19	4,682.19	4,602.55	79.64	58.790		
10,600.00	6,903.55	7,199.31	6,898.18	112.00	46.38	100.52	-1,241.11	-1,155.18	4,782.06	4,702.37	79.70	60.003		
10,700.00	6,903.81	7,200.15	6,899.02	114.75	46.38	100.72	-1,241.12	-1,155.17	4,881.94	4,802.18	79.75	61.214		
10,800.00	6,904.08	7,200.98	6,899.85	117.49	46.38	100.91	-1,241.13	-1,155.17	4,981.82	4,902.01	79.81	62.423		
10,900.00	6,904.34	7,201.80	6,900.67	120.25	46.39	101.10	-1,241.14	-1,155.16	5,081.70	5,001.84	79.86	63.629		
11,000.00	6,904.60	7,202.62	6,901.49	123.00	46.39	101.29	-1,241.15	-1,155.16	5,181.59	5,101.67	79.92	64.834		
11,100.00	6,904.86	7,203.43	6,902.30	125.77	46.39	101.48	-1,241.17	-1,155.15	5,281.48	5,201.50	79.98	66.037		
11,200.00	6,905.12	7,204.24	6,903.11	128.53	46.39	101.66	-1,241.18	-1,155.14	5,381.38	5,301.34	80.04	67.237		
11,300.00	6,905.39	7,205.04	6,903.91	131.30	46.40	101.85	-1,241.19	-1,155.14	5,481.28	5,401.18	80.09	68.436		
11,400.00	6,905.65	7,205.84	6,904.71	134.08	46.40	102.03	-1,241.20	-1,155.13	5,581.18	5,501.03	80.15	69.632		
11,500.00	6,905.91	7,206.63	6,905.50	136.85	46.40	102.21	-1,241.20	-1,155.13	5,681.09	5,600.88	80.21	70.826		
11,600.00	6,906.17	7,207.42	6,906.29	139.63	46.41	102.39	-1,241.22	-1,155.12	5,781.00	5,700.72	80.27	72.016		
11,700.00	6,906.43	7,208.20	6,906.87	142.42	46.41	102.57	-1,241.22	-1,155.12	5,880.91	5,800.58	80.33	73.207		
11,800.00	6,906.70	7,208.98	6,906.87	145.20	46.41	102.75	-1,241.22	-1,155.12	5,980.83	5,900.43	80.39	74.396		
11,900.00	6,906.96	7,209.76	6,906.87	147.99	46.41	102.93	-1,241.22	-1,155.12	6,080.74	6,000.29	80.45	75.583		
12,000.00	6,907.22	7,210.54	6,906.87	150.78	46.41	103.11	-1,241.22	-1,155.12	6,180.67	6,100.15	80.51	76.767		
12,100.00	6,907.48	7,211.32	6,906.87	153.57	46.41	103.29	-1,241.22	-1,155.12	6,280.59	6,200.02	80.57	77.949		
12,200.00	6,907.74	7,212.10	6,906.87	156.37	46.41	103.47	-1,241.22	-1,155.12	6,380.52	6,299.88	80.63	79.128		
12,300.00	6,908.01	7,212.88	6,906.87	159.17	46.41	103.65	-1,241.22	-1,155.12	6,480.44	6,399.75	80.70	80.305		
12,400.00	6,908.27	7,213.66	6,906.87	161.97	46.41	103.83	-1,241.22	-1,155.12	6,580.37	6,499.61	80.76	81.480		
12,500.00	6,908.53	7,214.44	6,906.87	164.77	46.41	104.01	-1,241.22	-1,155.12	6,680.31	6,599.48	80.82	82.652		
12,600.00	6,908.79	7,215.22	6,906.87	167.57	46.41	104.19	-1,241.22	-1,155.12	6,780.24	6,699.35	80.89	83.821		
12,700.00	6,909.06	7,216.00	6,906.87	170.38	46.41	104.37	-1,241.22	-1,155.12	6,880.18	6,799.22	80.95	84.988		
12,800.00	6,909.32	7,216.78	6,906.87	173.18	46.41	104.55	-1,241.22	-1,155.12	6,980.12	6,899.09	81.02	86.152		
12,900.00	6,909.58	7,217.56	6,906.87	175.99	46.41	104.73	-1,241.22	-1,155.12	7,080.06	6,998.97	81.09	87.314		
13,000.00	6,909.84	7,218.34	6,906.87	178.80	46.41	104.91	-1,241.22	-1,155.12	7,180.00	7,098.84	81.15	88.473		
13,100.00	6,910.10	7,219.12	6,906.87	181.61	46.41	105.09	-1,241.22	-1,155.12	7,279.94	7,198.72	81.22	89.629		
13,200.00	6,910.37	7,219.90	6,906.87	184.42	46.41	105.27	-1,241.22	-1,155.12	7,379.88	7,298.59	81.29	90.783		
13,300.00	6,910.63	7,220.68	6,906.87	187.24	46.41	105.45	-1,241.22	-1,155.12	7,479.83	7,398.47	81.36	91.933		
13,400.00	6,910.89	7,221.46	6,906.87	190.05	46.41	105.63	-1,241.22	-1,155.12	7,579.78	7,498.35	81.43	93.081		
13,500.00	6,911.15	7,222.24	6,906.87	192.87	46.41	105.81	-1,241.22	-1,155.12	7,679.73	7,598.23	81.50	94.226		
13,600.00	6,911.41	7,223.02	6,906.87	195.68	46.41	105.99	-1,241.22	-1,155.12	7,779.68	7,698.10	81.57	95.369		
13,700.00	6,911.68	7,223.80	6,906.87	198.50	46.41	106.17	-1,241.22	-1,155.12	7,879.63	7,797.98	81.65	96.508		
13,800.00	6,911.94	7,224.58	6,906.87	201.32	46.41	106.35	-1,241.22	-1,155.12	7,979.58	7,897.86	81.72	97.645		
13,900.00	6,912.20	7,225.36	6,906.87	204.14	46.41	106.53	-1,241.22	-1,155.12	8,079.54	7,997.74	81.79	98.778		
14,000.00	6,912.46	7,226.14	6,906.87	206.96	46.41	106.71	-1,241.22	-1,155.12	8,179.49	8,097.62	81.87	99.909		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	6,912.72	7,208.00	6,906.87	209.78	46.41	102.53	-1,241.22	-1,155.12	8,279.45	8,197.50	81.94	101.037		
14,200.00	6,912.99	7,208.00	6,906.87	212.61	46.41	102.53	-1,241.22	-1,155.12	8,379.41	8,297.38	82.02	102.161		
14,300.00	6,913.25	7,208.00	6,906.87	215.43	46.41	102.53	-1,241.22	-1,155.12	8,479.36	8,397.27	82.10	103.283		
14,400.00	6,913.51	7,208.00	6,906.87	218.26	46.41	102.53	-1,241.22	-1,155.12	8,579.32	8,497.15	82.18	104.402		
14,500.00	6,913.77	7,208.00	6,906.87	221.08	46.41	102.53	-1,241.22	-1,155.12	8,679.28	8,597.03	82.25	105.518		
14,600.00	6,914.04	7,208.00	6,906.87	223.91	46.41	102.53	-1,241.22	-1,155.12	8,779.24	8,696.91	82.33	106.630		
14,700.00	6,914.30	7,208.00	6,906.87	226.73	46.41	102.53	-1,241.22	-1,155.12	8,879.21	8,796.79	82.41	107.740		
14,800.00	6,914.56	7,208.00	6,906.87	229.56	46.41	102.53	-1,241.22	-1,155.12	8,979.17	8,896.67	82.49	108.846		
14,900.00	6,914.82	7,208.00	6,906.87	232.39	46.41	102.53	-1,241.22	-1,155.12	9,079.13	8,996.56	82.58	109.950		
15,000.00	6,915.08	7,208.00	6,906.87	235.22	46.41	102.53	-1,241.22	-1,155.12	9,179.10	9,096.44	82.66	111.050		
15,100.00	6,915.35	7,208.00	6,906.87	238.05	46.41	102.53	-1,241.22	-1,155.12	9,279.06	9,196.32	82.74	112.147		
15,200.00	6,915.61	7,208.00	6,906.87	240.88	46.41	102.53	-1,241.22	-1,155.12	9,379.03	9,296.20	82.82	113.241		
15,300.00	6,915.87	7,208.00	6,906.87	243.71	46.41	102.53	-1,241.22	-1,155.12	9,478.99	9,396.09	82.91	114.332		
15,400.00	6,916.13	7,208.00	6,906.87	246.54	46.41	102.53	-1,241.22	-1,155.12	9,578.96	9,495.97	82.99	115.419		
15,500.00	6,916.39	7,208.00	6,906.87	249.37	46.41	102.53	-1,241.22	-1,155.12	9,678.93	9,595.85	83.08	116.504		
15,600.00	6,916.66	7,208.00	6,906.87	252.20	46.41	102.53	-1,241.22	-1,155.12	9,778.90	9,695.73	83.16	117.585		
15,700.00	6,916.92	7,208.00	6,906.87	255.03	46.41	102.53	-1,241.22	-1,155.12	9,878.87	9,795.62	83.25	118.663		
15,800.00	6,917.18	7,208.00	6,906.87	257.87	46.41	102.53	-1,241.22	-1,155.12	9,978.84	9,895.50	83.34	119.738		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-65.17	438.28	-947.30	1,044.46					
100.00	100.00	59.88	59.88	3.28	3.29	-65.17	438.28	-947.34	1,043.82	1,037.24	6.57	158.812 CC, ES		
200.00	200.00	155.26	155.26	3.34	3.34	-65.18	438.34	-947.76	1,044.24	1,037.56	6.68	156.311		
300.00	299.98	254.80	254.79	3.44	3.45	97.99	439.33	-948.04	1,045.16	1,038.27	6.89	151.657		
400.00	399.84	343.54	343.48	3.59	3.59	98.35	442.24	-947.89	1,047.14	1,039.96	7.18	145.832		
500.00	499.45	434.24	434.00	3.79	3.77	99.00	447.94	-947.32	1,050.64	1,043.08	7.56	138.963		
600.00	598.70	519.55	518.88	4.04	3.97	99.88	456.30	-946.22	1,055.95	1,047.93	8.01	131.777		
660.50	658.52	569.81	568.74	4.20	4.11	100.52	462.62	-945.40	1,060.27	1,051.94	8.32	127.400		
700.00	697.51	602.19	600.79	4.31	4.21	101.02	467.23	-944.81	1,063.54	1,055.00	8.54	124.606		
800.00	796.22	681.14	678.68	4.63	4.47	102.31	479.99	-943.40	1,073.33	1,064.22	9.11	117.803		
900.00	894.93	766.25	762.36	4.98	4.78	103.75	495.45	-942.14	1,085.22	1,075.46	9.76	111.196		
1,000.00	993.64	854.76	849.22	5.34	5.14	105.25	512.43	-940.89	1,098.60	1,088.14	10.46	105.048		
1,100.00	1,092.35	946.06	938.51	5.73	5.55	106.85	531.34	-938.87	1,113.13	1,101.91	11.21	99.273		
1,200.00	1,191.06	1,028.79	1,019.05	6.13	5.95	108.34	550.08	-936.41	1,129.17	1,117.21	11.97	94.360		
1,300.00	1,289.78	1,106.75	1,094.48	6.54	6.36	109.80	569.59	-933.71	1,147.32	1,134.59	12.72	90.168		
1,400.00	1,388.49	1,178.00	1,162.97	6.95	6.76	111.18	589.07	-931.05	1,167.83	1,154.37	13.46	86.737		
1,500.00	1,487.20	1,243.00	1,224.90	7.38	7.15	112.46	608.66	-928.86	1,191.47	1,177.29	14.17	84.062		
1,600.00	1,585.91	1,317.13	1,294.96	7.81	7.63	113.94	632.73	-926.33	1,217.81	1,202.86	14.95	81.463		
1,700.00	1,684.62	1,394.11	1,367.36	8.25	8.15	115.47	658.75	-923.57	1,246.19	1,230.44	15.75	79.146		
1,800.00	1,783.33	1,480.19	1,448.29	8.70	8.76	117.10	688.00	-921.06	1,276.29	1,259.69	16.60	76.870		
1,900.00	1,882.04	1,575.18	1,537.89	9.15	9.43	118.79	719.44	-918.87	1,307.22	1,289.70	17.52	74.606		
2,000.00	1,980.75	1,668.32	1,626.06	9.60	10.09	120.33	749.39	-917.04	1,338.63	1,320.21	18.42	72.670		
2,100.00	2,079.46	1,770.44	1,723.13	10.05	10.80	121.90	781.06	-915.65	1,370.41	1,351.03	19.38	70.719		
2,200.00	2,178.17	1,845.99	1,795.17	10.51	11.33	122.97	803.84	-915.38	1,402.81	1,382.68	20.12	69.706		
2,300.00	2,276.88	1,938.19	1,882.96	10.97	11.98	124.22	832.00	-915.49	1,436.42	1,415.43	21.00	68.416		
2,400.00	2,375.59	2,070.41	2,009.39	11.43	12.90	125.93	870.69	-914.22	1,469.10	1,446.93	22.17	66.262		
2,500.00	2,474.31	2,169.69	2,104.75	11.89	13.58	127.16	898.21	-912.13	1,500.55	1,477.45	23.09	64.983		
2,600.00	2,573.02	2,283.34	2,213.86	12.36	14.35	128.52	929.83	-908.85	1,532.39	1,508.27	24.12	63.535		
2,700.00	2,671.73	2,394.91	2,321.68	12.82	15.09	129.76	958.30	-905.34	1,562.60	1,537.48	25.12	62.201		
2,800.00	2,770.44	2,463.50	2,387.89	13.29	15.55	130.51	976.06	-903.07	1,593.58	1,567.78	25.80	61.760		
2,900.00	2,869.15	2,537.76	2,459.35	13.76	16.05	131.29	996.17	-901.07	1,626.22	1,599.70	26.52	61.311		
3,000.00	2,967.86	2,603.25	2,522.06	14.23	16.52	132.00	1,014.88	-898.72	1,660.23	1,633.05	27.17	61.100		
3,100.00	3,066.57	2,662.00	2,577.88	14.70	16.95	132.65	1,033.06	-896.48	1,696.44	1,668.69	27.76	61.118		
3,200.00	3,165.28	2,715.90	2,628.74	15.17	17.36	133.24	1,050.78	-894.50	1,734.79	1,706.50	28.29	61.317		
3,300.00	3,263.99	2,820.84	2,727.54	15.64	18.17	134.34	1,066.00	-891.39	1,774.59	1,745.30	29.28	60.599		
3,400.00	3,362.70	2,928.31	2,829.66	16.11	18.98	135.33	1,119.45	-889.56	1,813.04	1,782.76	30.29	59.864		
3,500.00	3,461.41	3,023.57	2,920.40	16.59	19.68	136.15	1,148.45	-888.40	1,851.44	1,820.27	31.17	59.395		
3,600.00	3,560.12	3,143.19	3,034.87	17.06	20.53	137.10	1,183.12	-887.31	1,888.91	1,856.64	32.26	58.550		
3,700.00	3,658.84	3,237.85	3,125.67	17.53	21.20	137.81	1,209.88	-886.58	1,926.12	1,892.99	33.13	58.133		
3,800.00	3,757.55	3,340.65	3,224.28	18.01	21.93	138.57	1,238.84	-884.88	1,963.20	1,929.12	34.07	57.617		
3,900.00	3,856.26	3,439.79	3,319.62	18.48	22.62	139.26	1,266.00	-883.56	1,999.92	1,964.94	34.98	57.174		
4,000.00	3,954.97	3,606.11	3,480.77	18.96	23.70	140.27	1,307.08	-882.78	2,034.54	1,998.13	36.41	55.882		
4,100.00	4,053.68	3,688.78	3,561.14	19.44	24.23	140.75	1,326.43	-881.74	2,068.15	2,030.98	37.17	55.641		
4,200.00	4,152.39	3,761.54	3,631.66	19.91	24.71	141.19	1,344.28	-880.43	2,102.74	2,064.89	37.85	55.548		
4,300.00	4,251.10	3,853.32	3,720.45	20.39	25.31	141.73	1,367.45	-878.97	2,138.22	2,099.53	38.69	55.265		
4,400.00	4,349.81	4,385.08	4,245.31	20.87	27.96	143.94	1,443.90	-875.26	2,165.69	2,123.65	42.04	51.520		
4,500.00	4,448.52	4,544.95	4,405.14	21.34	28.47	144.37	1,447.12	-875.25	2,180.77	2,137.75	43.02	50.686		
4,600.00	4,547.23	4,662.20	4,522.38	21.82	28.80	144.62	1,446.69	-876.48	2,193.86	2,150.02	43.84	50.038		
4,700.00	4,645.94	4,782.13	4,642.26	22.30	29.11	144.84	1,444.38	-878.82	2,205.73	2,161.07	44.66	49.390		
4,800.00	4,744.65	4,874.38	4,734.48	22.78	29.36	145.01	1,442.55	-880.28	2,217.48	2,172.07	45.41	48.831		
4,900.00	4,843.37	4,965.41	4,825.49	23.26	29.61	145.19	1,441.18	-881.30	2,229.59	2,183.42	46.17	48.295		
5,000.00	4,942.08	5,056.28	4,916.35	23.74	29.87	145.37	1,440.13	-882.47	2,242.07	2,195.15	46.93	47.779		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,040.79	5,147.21	5,007.27	24.21	30.13	145.54	1,439.41	-883.65	2,254.94	2,207.25	47.69	47.283		
5,200.00	5,139.50	5,233.02	5,093.08	24.69	30.39	145.71	1,439.11	-884.85	2,268.28	2,219.83	48.45	46.818		
5,300.00	5,238.21	5,320.71	5,180.75	25.17	30.66	145.88	1,439.26	-886.32	2,282.22	2,233.00	49.22	46.371		
5,400.00	5,336.92	5,413.04	5,273.06	25.65	30.95	146.05	1,439.69	-888.06	2,296.52	2,246.51	50.00	45.927		
5,500.00	5,435.63	5,514.41	5,374.42	26.13	31.27	146.23	1,440.26	-889.99	2,310.94	2,260.11	50.83	45.468		
5,600.00	5,534.34	5,615.62	5,475.60	26.61	31.60	146.41	1,440.71	-891.83	2,325.24	2,273.60	51.65	45.021		
5,700.00	5,633.05	5,712.60	5,572.56	27.09	31.91	146.57	1,440.91	-894.16	2,339.50	2,287.05	52.46	44.598		
5,800.00	5,731.76	5,798.63	5,658.56	27.57	32.19	146.71	1,441.42	-896.23	2,354.15	2,300.91	53.23	44.224		
5,900.00	5,830.47	5,888.69	5,748.59	28.05	32.50	146.87	1,442.42	-898.30	2,369.28	2,315.26	54.02	43.857		
6,000.00	5,929.18	5,986.87	5,846.73	28.53	32.83	147.02	1,443.69	-900.91	2,384.69	2,329.84	54.85	43.477		
6,100.00	6,027.90	6,106.93	5,966.76	29.01	33.24	147.24	1,444.94	-902.76	2,399.59	2,343.83	55.76	43.034		
6,200.00	6,126.61	6,196.75	6,056.58	29.49	33.55	147.41	1,445.81	-903.75	2,414.32	2,357.76	56.56	42.685		
6,300.00	6,225.32	6,283.31	6,143.12	29.97	33.86	147.57	1,446.84	-905.01	2,429.39	2,372.04	57.35	42.361		
6,311.21	6,236.38	6,292.68	6,152.48	30.03	33.89	147.58	1,446.97	-905.17	2,431.12	2,373.68	57.44	42.327		
6,350.00	6,274.70	6,325.09	6,184.89	30.21	34.01	170.17	1,447.49	-905.75	2,437.46	2,379.73	57.74	42.216		
6,400.00	6,324.03	6,367.96	6,227.74	30.43	34.16	-163.40	1,448.27	-906.60	2,446.66	2,388.53	58.13	42.092		
6,450.00	6,373.00	6,415.04	6,274.81	30.65	34.33	-145.72	1,449.19	-907.57	2,456.87	2,398.34	58.53	41.975		
6,500.00	6,421.31	6,461.40	6,321.14	30.84	34.50	-134.71	1,450.12	-908.54	2,468.02	2,409.09	58.93	41.880		
6,550.00	6,468.66	6,519.37	6,379.10	31.03	34.70	-127.56	1,451.25	-909.72	2,480.04	2,420.66	59.38	41.765		
6,600.00	6,514.76	6,593.66	6,453.37	31.20	34.97	-122.72	1,452.12	-910.74	2,492.48	2,432.58	59.90	41.614		
6,650.00	6,559.32	6,653.40	6,513.11	31.37	35.18	-119.08	1,452.36	-911.11	2,505.34	2,444.99	60.35	41.514		
6,700.00	6,602.08	6,702.28	6,561.99	31.52	35.34	-116.15	1,452.47	-911.09	2,518.94	2,458.17	60.76	41.456		
6,750.00	6,642.77	6,749.17	6,608.87	31.65	35.50	-113.73	1,452.54	-910.80	2,533.30	2,472.13	61.17	41.413		
6,800.00	6,681.13	6,787.57	6,647.27	31.78	35.63	-111.55	1,452.59	-910.41	2,548.49	2,486.93	61.56	41.399 SF		
6,850.00	6,716.93	6,821.78	6,681.48	31.89	35.75	-109.54	1,452.65	-910.10	2,564.57	2,502.63	61.94	41.402		
6,900.00	6,749.95	6,853.31	6,713.01	31.99	35.86	-107.65	1,452.71	-909.85	2,581.55	2,519.22	62.33	41.414		
6,950.00	6,779.98	6,881.96	6,741.66	32.08	35.96	-105.80	1,452.78	-909.64	2,599.42	2,536.68	62.74	41.434		
7,000.00	6,806.85	6,908.43	6,768.13	32.16	36.05	-103.98	1,452.86	-909.47	2,618.13	2,554.97	63.15	41.457		
7,050.00	6,830.38	6,932.21	6,791.91	32.24	36.13	-102.13	1,452.92	-909.32	2,637.65	2,574.06	63.59	41.480		
7,100.00	6,850.43	6,952.52	6,812.22	32.35	36.20	-100.24	1,452.98	-909.19	2,657.92	2,593.89	64.04	41.506		
7,150.00	6,866.88	6,969.25	6,828.95	32.59	36.26	-98.27	1,453.02	-909.08	2,678.90	2,614.40	64.50	41.533		
7,200.00	6,879.62	6,982.28	6,841.98	32.99	36.30	-96.22	1,453.06	-909.00	2,700.49	2,635.51	64.98	41.562		
7,250.00	6,888.58	6,991.54	6,851.24	33.48	36.33	-94.09	1,453.09	-908.94	2,722.61	2,657.15	65.46	41.592		
7,300.00	6,893.70	6,996.97	6,856.67	34.02	36.35	-91.89	1,453.10	-908.91	2,745.15	2,679.21	65.95	41.626		
7,339.40	6,895.01	6,998.53	6,858.23	34.48	36.36	-90.11	1,453.11	-908.90	2,763.13	2,696.80	66.33	41.656		
7,400.00	6,895.16	6,999.07	6,858.77	35.24	36.36	-90.12	1,453.11	-908.89	2,791.41	2,724.47	66.94	41.700		
7,500.00	6,895.43	6,999.97	6,859.67	36.64	36.36	-90.14	1,453.11	-908.89	2,840.28	2,772.27	68.01	41.763		
7,600.00	6,895.69	7,000.88	6,860.57	38.20	36.37	-90.16	1,453.11	-908.88	2,891.79	2,822.65	69.14	41.827		
7,700.00	6,895.95	7,001.78	6,861.47	39.91	36.37	-90.18	1,453.12	-908.88	2,945.79	2,875.49	70.30	41.901		
7,800.00	6,896.21	7,002.68	6,862.37	41.75	36.37	-90.20	1,453.12	-908.87	3,002.15	2,930.66	71.49	41.992		
7,900.00	6,896.47	7,003.58	6,863.27	43.69	36.38	-90.22	1,453.12	-908.86	3,060.74	2,988.05	72.69	42.107		
8,000.00	6,896.74	7,004.48	6,864.18	45.73	36.38	-90.24	1,453.12	-908.86	3,121.44	3,047.56	73.88	42.249		
8,100.00	6,897.00	7,005.38	6,865.08	47.85	36.38	-90.27	1,453.13	-908.85	3,184.12	3,109.06	75.06	42.421		
8,200.00	6,897.26	7,006.28	6,865.98	50.04	36.39	-90.29	1,453.13	-908.85	3,248.67	3,172.45	76.22	42.623		
8,300.00	6,897.52	7,007.18	6,866.88	52.30	36.39	-90.31	1,453.13	-908.84	3,314.98	3,237.62	77.35	42.856		
8,400.00	6,897.78	7,008.08	6,867.78	54.61	36.39	-90.33	1,453.13	-908.84	3,382.94	3,304.49	78.45	43.120		
8,500.00	6,898.05	7,008.98	6,868.68	56.98	36.39	-90.35	1,453.14	-908.83	3,452.46	3,372.94	79.53	43.414		
8,600.00	6,898.31	7,009.88	6,869.58	59.38	36.40	-90.37	1,453.14	-908.82	3,523.46	3,442.89	80.56	43.737		
8,700.00	6,898.57	7,010.78	6,870.48	61.82	36.40	-90.39	1,453.14	-908.82	3,595.82	3,514.26	81.56	44.088		
8,800.00	6,898.83	7,011.68	6,871.38	64.30	36.40	-90.41	1,453.14	-908.81	3,669.49	3,586.97	82.52	44.465		
8,900.00	6,899.10	7,012.58	6,872.28	66.81	36.41	-90.43	1,453.15	-908.81	3,744.38	3,660.93	83.45	44.869		
9,000.00	6,899.36	7,013.48	6,873.18	69.34	36.41	-90.45	1,453.15	-908.80	3,820.42	3,736.08	84.34	45.296		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.62	7,014.38	6,874.08	71.90	36.41	-90.48	1,453.15	-908.80	3,897.54	3,812.34	85.20	45.745		
9,200.00	6,899.88	7,015.28	6,874.98	74.48	36.42	-90.50	1,453.15	-908.79	3,975.68	3,889.66	86.02	46.216		
9,300.00	6,900.14	7,016.18	6,875.88	77.08	36.42	-90.52	1,453.16	-908.78	4,054.78	3,967.97	86.81	46.707		
9,400.00	6,900.41	7,017.08	6,876.78	79.70	36.42	-90.54	1,453.16	-908.78	4,134.79	4,047.22	87.57	47.217		
9,500.00	6,900.67	7,017.98	6,877.68	82.33	36.43	-90.56	1,453.16	-908.77	4,215.65	4,127.35	88.30	47.745		
9,600.00	6,900.93	7,018.88	6,878.58	84.97	36.43	-90.58	1,453.16	-908.77	4,297.31	4,208.32	88.99	48.289		
9,700.00	6,901.19	7,019.78	6,879.48	87.63	36.43	-90.60	1,453.17	-908.76	4,379.73	4,290.07	89.66	48.848		
9,800.00	6,901.45	7,020.68	6,880.38	90.31	36.44	-90.62	1,453.17	-908.76	4,462.88	4,372.58	90.30	49.423		
9,900.00	6,901.72	7,021.59	6,881.28	92.99	36.44	-90.64	1,453.17	-908.75	4,546.70	4,455.79	90.91	50.011		
10,000.00	6,901.98	7,022.49	6,882.18	95.68	36.44	-90.66	1,453.17	-908.74	4,631.16	4,539.66	91.50	50.611		
10,100.00	6,902.24	7,023.39	6,883.08	98.38	36.44	-90.69	1,453.18	-908.74	4,716.24	4,624.16	92.07	51.224		
10,200.00	6,902.50	7,024.29	6,883.98	101.09	36.45	-90.71	1,453.18	-908.73	4,801.88	4,709.27	92.61	51.848		
10,300.00	6,902.76	7,025.19	6,884.88	103.81	36.45	-90.73	1,453.18	-908.73	4,888.07	4,794.94	93.14	52.483		
10,400.00	6,903.03	7,026.09	6,885.78	106.53	36.45	-90.75	1,453.18	-908.72	4,974.78	4,881.14	93.64	53.128		
10,500.00	6,903.29	7,026.99	6,886.68	109.26	36.46	-90.77	1,453.19	-908.71	5,061.98	4,967.86	94.12	53.781		
10,600.00	6,903.55	7,027.89	6,887.58	112.00	36.46	-90.79	1,453.19	-908.71	5,149.64	5,055.06	94.59	54.444		
10,700.00	6,903.81	7,028.79	6,888.48	114.75	36.46	-90.81	1,453.19	-908.70	5,237.75	5,142.72	95.03	55.115		
10,800.00	6,904.08	7,029.69	6,889.38	117.49	36.47	-90.83	1,453.19	-908.70	5,326.28	5,230.81	95.46	55.794		
10,900.00	6,904.34	7,030.59	6,890.28	120.25	36.47	-90.85	1,453.20	-908.69	5,415.20	5,319.32	95.88	56.480		
11,000.00	6,904.60	7,031.48	6,891.18	123.00	36.47	-90.87	1,453.20	-908.69	5,504.51	5,408.23	96.28	57.173		
11,100.00	6,904.86	7,032.38	6,892.08	125.77	36.48	-90.90	1,453.20	-908.68	5,594.17	5,497.51	96.66	57.873		
11,200.00	6,905.12	7,033.28	6,892.98	128.53	36.48	-90.92	1,453.20	-908.67	5,684.18	5,587.15	97.04	58.578		
11,300.00	6,905.39	7,034.18	6,893.88	131.30	36.48	-90.94	1,453.21	-908.67	5,774.52	5,677.13	97.40	59.290		
11,400.00	6,905.65	7,035.08	6,894.78	134.08	36.48	-90.96	1,453.21	-908.66	5,865.18	5,767.43	97.74	60.006		
11,500.00	6,905.91	7,035.98	6,895.68	136.85	36.49	-90.98	1,453.21	-908.66	5,956.13	5,858.05	98.08	60.728		
11,600.00	6,906.17	7,036.88	6,896.58	139.63	36.49	-91.00	1,453.21	-908.65	6,047.37	5,948.96	98.40	61.455		
11,700.00	6,906.43	7,037.78	6,897.48	142.42	36.49	-91.02	1,453.22	-908.65	6,138.88	6,040.16	98.72	62.186		
11,800.00	6,906.70	7,038.68	6,898.38	145.20	36.50	-91.04	1,453.22	-908.64	6,230.65	6,131.63	99.02	62.922		
11,900.00	6,906.96	7,039.58	6,899.28	147.99	36.50	-91.06	1,453.22	-908.63	6,322.67	6,223.35	99.32	63.661		
12,000.00	6,907.22	7,040.48	6,900.18	150.78	36.50	-91.08	1,453.22	-908.63	6,414.93	6,315.33	99.60	64.404		
12,100.00	6,907.48	7,041.38	6,901.08	153.57	36.51	-91.11	1,453.23	-908.62	6,507.42	6,407.54	99.88	65.151		
12,200.00	6,907.74	7,042.28	6,901.98	156.37	36.51	-91.13	1,453.23	-908.62	6,600.13	6,499.97	100.15	65.901		
12,300.00	6,908.01	7,043.18	6,902.88	159.17	36.46	-90.82	1,453.19	-908.70	6,693.06	6,592.70	100.36	66.691		
12,400.00	6,908.27	7,044.08	6,903.78	161.97	36.46	-90.82	1,453.19	-908.70	6,786.18	6,685.57	100.61	67.450		
12,500.00	6,908.53	7,044.98	6,904.68	164.77	36.46	-90.82	1,453.19	-908.70	6,879.49	6,778.64	100.86	68.212		
12,600.00	6,908.79	7,045.88	6,905.58	167.57	36.46	-90.82	1,453.19	-908.70	6,972.99	6,871.90	101.09	68.976		
12,700.00	6,909.06	7,046.78	6,906.48	170.38	36.46	-90.82	1,453.19	-908.70	7,066.67	6,965.34	101.32	69.743		
12,800.00	6,909.32	7,047.68	6,907.38	173.18	36.46	-90.82	1,453.19	-908.70	7,160.51	7,058.96	101.55	70.513		
12,900.00	6,909.58	7,048.58	6,908.28	175.99	36.46	-90.82	1,453.19	-908.70	7,254.53	7,152.76	101.77	71.285		
13,000.00	6,909.84	7,049.48	6,909.18	178.80	36.46	-90.82	1,453.19	-908.70	7,348.70	7,246.71	101.98	72.059		
13,100.00	6,910.10	7,050.38	6,910.08	181.61	36.46	-90.82	1,453.19	-908.70	7,443.02	7,340.83	102.19	72.834		
13,200.00	6,910.37	7,051.28	6,910.98	184.42	36.46	-90.82	1,453.19	-908.70	7,537.49	7,435.09	102.39	73.612		
13,300.00	6,910.63	7,052.18	6,911.88	187.24	36.46	-90.82	1,453.19	-908.70	7,632.10	7,529.50	102.59	74.392		
13,400.00	6,910.89	7,053.08	6,912.78	190.05	36.52	-91.18	1,453.24	-908.61	7,726.82	7,623.97	102.85	75.129		
13,500.00	6,911.15	7,053.98	6,913.68	192.87	36.52	-91.19	1,453.24	-908.61	7,821.69	7,718.65	103.04	75.910		
13,600.00	6,911.41	7,054.88	6,914.58	195.68	36.52	-91.20	1,453.24	-908.61	7,916.69	7,813.47	103.23	76.692		
13,700.00	6,911.68	7,055.78	6,915.48	198.50	36.52	-91.21	1,453.24	-908.60	8,011.82	7,908.41	103.41	77.476		
13,800.00	6,911.94	7,056.68	6,916.38	201.32	36.53	-91.22	1,453.25	-908.60	8,107.06	8,003.47	103.59	78.261		
13,900.00	6,912.20	7,057.58	6,917.28	204.14	36.53	-91.23	1,453.25	-908.60	8,202.41	8,098.64	103.77	79.047		
14,000.00	6,912.46	7,058.48	6,918.18	206.96	36.53	-91.25	1,453.25	-908.60	8,297.87	8,193.93	103.94	79.834		
14,100.00	6,912.72	7,059.38	6,919.08	209.78	36.53	-91.26	1,453.25	-908.59	8,393.44	8,289.33	104.11	80.623		
14,200.00	6,912.99	7,060.28	6,919.98	212.61	36.53	-91.27	1,453.25	-908.59	8,489.11	8,384.84	104.27	81.412		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 16-MWD												<b>Offset Well Error:</b>	3.28 ft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Distance</b>						<b>Warning</b>
<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Reference (ft)</b>	<b>Offset (ft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre +N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Between Centres (ft)</b>	<b>Between Ellipses (ft)</b>	<b>Minimum Separation (ft)</b>	<b>Separation Factor</b>	
14,300.00	6,913.25	7,048.87	6,908.57	215.43	36.53	-91.28	1,453.25	-908.59	8,584.88	8,480.44	104.44	82.202	
14,400.00	6,913.51	7,049.34	6,909.04	218.26	36.54	-91.29	1,453.26	-908.59	8,680.74	8,576.15	104.60	82.993	
14,500.00	6,913.77	7,049.81	6,909.50	221.08	36.54	-91.30	1,453.26	-908.58	8,776.70	8,671.94	104.75	83.784	
14,600.00	6,914.04	7,050.27	6,909.97	223.91	36.54	-91.31	1,453.26	-908.58	8,872.74	8,767.84	104.91	84.576	
14,700.00	6,914.30	7,050.73	6,910.43	226.73	36.54	-91.32	1,453.26	-908.58	8,968.88	8,863.82	105.06	85.369	
14,800.00	6,914.56	7,051.19	6,910.88	229.56	36.54	-91.33	1,453.26	-908.58	9,065.09	8,959.88	105.21	86.162	
14,900.00	6,914.82	7,051.64	6,911.34	232.39	36.54	-91.34	1,453.26	-908.57	9,161.39	9,056.03	105.36	86.956	
15,000.00	6,915.08	7,052.09	6,911.78	235.22	36.55	-91.35	1,453.27	-908.57	9,257.76	9,152.26	105.50	87.750	
15,100.00	6,915.35	7,052.53	6,912.23	238.05	36.55	-91.37	1,453.27	-908.57	9,354.21	9,248.57	105.64	88.545	
15,200.00	6,915.61	7,052.97	6,912.67	240.88	36.55	-91.38	1,453.27	-908.57	9,450.74	9,344.96	105.78	89.340	
15,300.00	6,915.87	7,053.41	6,913.11	243.71	36.55	-91.39	1,453.27	-908.57	9,547.34	9,441.41	105.92	90.135	
15,400.00	6,916.13	7,053.85	6,913.54	246.54	36.55	-91.40	1,453.27	-908.56	9,644.00	9,537.94	106.06	90.931	
15,500.00	6,916.39	7,054.28	6,913.98	249.37	36.55	-91.41	1,453.27	-908.56	9,740.74	9,634.54	106.19	91.726	
15,600.00	6,916.66	7,054.71	6,914.40	252.20	36.55	-91.42	1,453.27	-908.56	9,837.53	9,731.21	106.33	92.522	
15,700.00	6,916.92	7,055.13	6,914.83	255.03	36.56	-91.43	1,453.28	-908.56	9,934.40	9,827.94	106.46	93.318	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-66.52	407.67	-938.39	1,023.82					
100.00	100.00	57.43	57.43	3.28	3.29	-66.52	407.72	-938.47	1,023.22	1,016.65	6.57	155.692		
200.00	200.00	147.48	147.48	3.34	3.34	-66.51	408.18	-939.19	1,024.15	1,017.48	6.68	153.414		
300.00	299.98	262.21	262.19	3.44	3.46	96.71	409.91	-939.57	1,025.30	1,018.39	6.90	148.552		
400.00	399.84	416.47	416.10	3.59	3.74	97.70	416.61	-932.49	1,023.65	1,016.31	7.34	139.418		
500.00	499.45	534.56	533.49	3.79	4.02	98.95	422.84	-921.26	1,018.44	1,010.61	7.83	130.034		
600.00	598.70	644.67	642.68	4.04	4.35	100.44	429.10	-908.53	1,012.50	1,004.11	8.40	120.601		
660.50	658.52	697.49	694.96	4.20	4.52	101.29	432.85	-902.03	1,009.49	1,000.77	8.72	115.711		
700.00	697.51	733.65	730.71	4.31	4.65	101.88	435.89	-897.48	1,007.89	998.93	8.96	112.436		
800.00	796.22	826.05	821.66	4.63	5.01	103.54	446.08	-884.82	1,004.70	995.08	9.62	104.401		
900.00	894.93	928.35	921.95	4.98	5.46	105.52	459.34	-869.64	1,002.56	992.16	10.40	96.385		
1,000.00	993.64	1,048.19	1,038.27	5.34	6.05	108.10	477.50	-847.32	999.70	988.35	11.35	88.044		
1,100.00	1,092.35	1,158.31	1,144.16	5.73	6.67	110.65	495.43	-823.02	996.28	983.94	12.34	80.721		
1,200.00	1,191.06	1,273.89	1,254.90	6.13	7.38	113.39	513.09	-794.99	992.32	978.90	13.43	73.908		
1,300.00	1,289.78	1,363.36	1,340.39	6.54	7.95	115.55	526.43	-772.27	989.11	974.71	14.40	68.675		
1,371.83	1,360.68	1,419.82	1,394.32	6.84	8.32	116.93	535.29	-758.08	988.36	973.29	15.07	65.568 CC		
1,400.00	1,388.49	1,442.72	1,416.18	6.95	8.48	117.49	539.02	-752.39	988.47	973.12	15.35	64.411 ES		
1,500.00	1,487.20	1,524.62	1,494.38	7.38	9.03	119.50	552.77	-732.27	990.54	974.21	16.33	60.662		
1,600.00	1,585.91	1,609.61	1,575.19	7.81	9.63	121.64	568.26	-711.02	995.13	977.77	17.36	57.336		
1,700.00	1,684.62	1,712.42	1,672.76	8.25	10.37	124.24	586.92	-684.55	1,001.12	982.58	18.53	54.015		
1,800.00	1,783.33	1,808.78	1,764.30	8.70	11.08	126.62	603.61	-659.51	1,008.30	988.63	19.67	51.255		
1,900.00	1,882.04	1,902.71	1,853.23	9.15	11.79	128.96	619.75	-633.92	1,016.58	995.78	20.80	48.874		
2,000.00	1,980.75	1,983.61	1,930.17	9.60	12.39	130.89	633.32	-612.94	1,027.03	1,005.22	21.82	47.078		
2,100.00	2,079.46	2,063.09	2,005.86	10.05	12.98	132.74	647.29	-593.10	1,040.23	1,017.43	22.80	45.625		
2,200.00	2,178.17	2,157.46	2,095.61	10.51	13.68	134.91	664.13	-569.32	1,055.18	1,031.28	23.90	44.152		
2,300.00	2,276.88	2,249.26	2,183.11	10.97	14.37	136.93	680.06	-546.56	1,071.44	1,046.48	24.96	42.920		
2,400.00	2,375.59	2,351.64	2,280.65	11.43	15.13	139.13	697.64	-520.91	1,088.96	1,062.85	26.11	41.714		
2,500.00	2,474.31	2,444.09	2,369.13	11.89	15.81	141.01	711.72	-498.11	1,106.30	1,079.15	27.14	40.758		
2,600.00	2,573.02	2,521.89	2,443.71	12.36	16.37	142.52	724.47	-479.95	1,126.25	1,098.21	28.03	40.174		
2,700.00	2,671.73	2,624.56	2,541.82	12.82	17.14	144.50	741.44	-454.94	1,147.26	1,118.11	29.14	39.365		
2,800.00	2,770.44	2,714.55	2,627.34	13.29	17.83	146.26	756.03	-431.04	1,168.63	1,138.48	30.15	38.762		
2,900.00	2,869.15	2,800.25	2,708.74	13.76	18.49	147.89	770.45	-408.44	1,191.77	1,160.68	31.10	38.323		
3,000.00	2,967.86	2,916.32	2,819.81	14.23	19.35	149.90	788.65	-380.08	1,215.43	1,183.13	32.30	37.626		
3,100.00	3,066.57	3,008.85	2,908.73	14.70	20.01	151.40	801.60	-358.02	1,238.53	1,205.27	33.27	37.229		
3,200.00	3,165.28	3,114.10	3,010.59	15.17	20.73	152.92	815.57	-335.50	1,262.14	1,227.83	34.31	36.787		
3,300.00	3,263.99	3,216.22	3,110.41	15.64	21.34	154.14	827.60	-317.73	1,285.50	1,250.24	35.26	36.458		
3,400.00	3,362.70	3,318.09	3,210.69	16.11	21.90	155.16	838.56	-303.52	1,308.76	1,272.59	36.17	36.188		
3,500.00	3,461.41	3,428.68	3,320.17	16.59	22.45	156.05	849.16	-292.10	1,331.59	1,294.50	37.09	35.900		
3,600.00	3,560.12	3,562.13	3,452.88	17.06	23.03	156.89	858.99	-282.28	1,352.83	1,314.72	38.11	35.496		
3,700.00	3,658.84	3,713.10	3,603.61	17.53	23.58	157.57	864.43	-276.15	1,370.79	1,331.66	39.13	35.030		
3,800.00	3,757.55	3,821.28	3,711.75	18.01	23.93	157.97	865.44	-273.41	1,386.32	1,346.40	39.93	34.723		
3,900.00	3,856.26	3,919.69	3,810.15	18.48	24.24	158.26	866.10	-272.33	1,401.77	1,361.11	40.67	34.470		
4,000.00	3,954.97	4,017.70	3,908.15	18.96	24.53	158.49	866.63	-272.52	1,417.23	1,375.83	41.40	34.233		
4,100.00	4,053.68	4,107.64	3,998.09	19.44	24.81	158.70	867.43	-272.64	1,433.04	1,390.93	42.11	34.031		
4,200.00	4,152.39	4,196.69	4,087.13	19.91	25.09	158.91	868.89	-272.74	1,449.61	1,406.79	42.82	33.855		
4,300.00	4,251.10	4,294.05	4,184.47	20.39	25.40	159.13	870.66	-272.88	1,466.38	1,422.82	43.57	33.658		
4,400.00	4,349.81	4,386.66	4,277.06	20.87	25.70	159.33	872.72	-273.31	1,483.59	1,439.29	44.30	33.492		
4,500.00	4,448.52	4,489.15	4,379.52	21.34	26.03	159.53	874.96	-273.98	1,500.79	1,455.72	45.07	33.298		
4,600.00	4,547.23	4,590.81	4,481.16	21.82	26.36	159.71	876.86	-274.96	1,517.72	1,471.88	45.84	33.106		
4,700.00	4,645.94	4,689.55	4,579.87	22.30	26.67	159.88	878.61	-276.14	1,534.57	1,487.97	46.60	32.928		
4,800.00	4,744.65	4,800.08	4,690.39	22.78	27.02	160.05	880.22	-277.72	1,551.15	1,503.73	47.42	32.714		
4,900.00	4,843.37	4,939.23	4,829.52	23.26	27.46	160.31	879.87	-278.34	1,566.01	1,517.68	48.33	32.404		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	5,043.45	4,933.71	23.74	27.79	160.59	877.85	-276.27	1,579.10	1,529.98	49.11	32.151		
5,100.00	5,040.79	5,133.33	5,023.56	24.21	28.08	160.82	876.49	-274.53	1,592.65	1,542.79	49.86	31.944		
5,200.00	5,139.50	5,223.87	5,114.08	24.69	28.38	161.04	875.59	-273.25	1,606.77	1,556.17	50.60	31.753		
5,300.00	5,238.21	5,327.61	5,217.82	25.17	28.72	161.26	874.75	-272.35	1,621.11	1,569.71	51.40	31.541		
5,400.00	5,336.92	5,415.28	5,305.47	25.65	29.02	161.46	874.08	-271.30	1,635.51	1,583.38	52.14	31.370		
5,500.00	5,435.63	5,510.81	5,400.99	26.13	29.35	161.68	873.85	-269.87	1,650.45	1,597.53	52.92	31.190		
5,600.00	5,534.34	5,594.87	5,485.05	26.61	29.64	161.85	874.05	-269.15	1,665.89	1,612.24	53.65	31.053		
5,700.00	5,633.05	5,683.30	5,573.48	27.09	29.96	162.02	874.94	-268.84	1,682.11	1,627.71	54.40	30.921		
5,800.00	5,731.76	5,772.38	5,662.55	27.57	30.28	162.17	876.33	-268.72	1,698.90	1,643.75	55.15	30.803		
5,900.00	5,830.47	5,869.90	5,760.05	28.05	30.63	162.32	878.18	-268.99	1,716.04	1,660.09	55.95	30.670		
6,000.00	5,929.18	5,978.38	5,868.50	28.53	31.02	162.48	880.08	-269.71	1,733.06	1,676.26	56.80	30.511		
6,100.00	6,027.90	6,118.70	6,008.81	29.01	31.49	162.65	879.87	-271.32	1,748.10	1,690.33	57.78	30.257		
6,200.00	6,126.61	6,231.99	6,122.09	29.49	31.86	162.81	878.16	-271.70	1,761.90	1,703.29	58.62	30.058		
6,300.00	6,225.32	6,310.82	6,200.91	29.97	32.13	162.94	877.15	-271.54	1,775.94	1,716.62	59.32	29.937		
6,311.21	6,236.38	6,319.98	6,210.07	30.03	32.16	162.95	877.08	-271.54	1,777.58	1,718.17	59.40	29.924		
6,350.00	6,274.70	6,352.58	6,242.67	30.21	32.27	-174.51	876.92	-271.65	1,783.33	1,723.64	59.68	29.879		
6,400.00	6,324.03	6,394.46	6,284.55	30.43	32.41	-148.26	876.87	-271.99	1,790.91	1,730.86	60.05	29.824		
6,450.00	6,373.00	6,440.32	6,330.41	30.65	32.57	-130.90	876.96	-272.57	1,798.59	1,738.16	60.43	29.761		
6,500.00	6,421.31	6,486.58	6,376.65	30.84	32.73	-120.32	877.10	-273.29	1,806.29	1,745.46	60.82	29.697		
6,550.00	6,468.66	6,527.39	6,417.46	31.03	32.88	-113.59	877.30	-273.98	1,814.05	1,752.86	61.19	29.646		
6,600.00	6,514.76	6,566.32	6,456.38	31.20	33.01	-109.04	877.65	-274.64	1,822.01	1,760.46	61.55	29.601		
6,650.00	6,559.32	6,604.45	6,494.51	31.37	33.15	-105.83	878.12	-275.30	1,830.19	1,768.28	61.91	29.560		
6,700.00	6,602.08	6,641.33	6,531.37	31.52	33.28	-103.45	878.68	-276.02	1,838.64	1,776.37	62.28	29.522		
6,750.00	6,642.77	6,676.14	6,566.17	31.65	33.40	-101.62	879.31	-276.78	1,847.43	1,784.79	62.64	29.491		
6,800.00	6,681.13	6,707.90	6,597.92	31.78	33.52	-100.14	879.97	-277.52	1,856.63	1,793.62	63.01	29.466		
6,850.00	6,716.93	6,737.33	6,627.33	31.89	33.62	-98.88	880.67	-278.26	1,866.33	1,802.95	63.38	29.447		
6,900.00	6,749.95	6,764.37	6,654.34	31.99	33.72	-97.77	881.38	-278.97	1,876.58	1,812.82	63.76	29.431		
6,950.00	6,779.98	6,789.86	6,679.81	32.08	33.81	-96.76	882.11	-279.66	1,887.44	1,823.27	64.17	29.414		
7,000.00	6,806.85	6,812.47	6,702.41	32.16	33.89	-95.78	882.78	-280.28	1,898.95	1,834.36	64.59	29.400		
7,050.00	6,830.38	6,832.08	6,722.00	32.24	33.96	-94.77	883.40	-280.82	1,911.13	1,846.10	65.03	29.388		
7,100.00	6,850.43	6,848.56	6,738.47	32.35	34.02	-93.72	883.94	-281.28	1,924.01	1,858.51	65.49	29.377		
7,150.00	6,866.88	6,864.36	6,754.25	32.59	34.08	-92.67	884.47	-281.71	1,937.58	1,871.59	65.99	29.360		
7,200.00	6,879.62	6,877.38	6,767.26	32.99	34.13	-91.54	884.90	-282.04	1,951.81	1,885.29	66.51	29.345		
7,250.00	6,888.58	6,886.22	6,776.10	33.48	34.16	-90.29	885.19	-282.25	1,966.66	1,899.62	67.04	29.337 SF		
7,300.00	6,893.70	6,890.76	6,780.63	34.02	34.18	-88.92	885.34	-282.36	1,982.09	1,914.53	67.56	29.338		
7,339.40	6,895.01	6,891.21	6,781.08	34.48	34.18	-87.75	885.35	-282.37	1,994.60	1,926.63	67.97	29.347		
7,400.00	6,895.16	6,889.75	6,779.63	35.24	34.17	-87.70	885.30	-282.34	2,014.86	1,946.26	68.60	29.372		
7,500.00	6,895.43	6,887.29	6,777.17	36.64	34.17	-87.63	885.22	-282.28	2,051.77	1,982.08	69.69	29.442		
7,600.00	6,895.69	6,884.76	6,774.64	38.20	34.16	-87.55	885.14	-282.22	2,092.81	2,022.01	70.81	29.556		
7,700.00	6,895.95	6,882.15	6,772.03	39.91	34.15	-87.47	885.06	-282.16	2,137.75	2,065.81	71.93	29.718		
7,800.00	6,896.21	6,879.46	6,769.34	41.75	34.14	-87.39	884.97	-282.09	2,186.33	2,113.29	73.04	29.932		
7,900.00	6,896.47	6,876.68	6,766.57	43.69	34.13	-87.31	884.88	-282.02	2,238.33	2,164.21	74.13	30.196		
8,000.00	6,896.74	6,873.82	6,763.71	45.73	34.12	-87.22	884.78	-281.95	2,293.51	2,218.34	75.17	30.512		
8,100.00	6,897.00	6,870.87	6,760.76	47.85	34.11	-87.13	884.69	-281.88	2,351.64	2,275.48	76.16	30.877		
8,200.00	6,897.26	6,867.82	6,757.71	50.04	34.09	-87.04	884.59	-281.80	2,412.52	2,335.42	77.10	31.289		
8,300.00	6,897.52	6,864.67	6,754.56	52.30	34.08	-86.94	884.48	-281.71	2,475.94	2,397.95	77.99	31.746		
8,400.00	6,897.78	6,861.41	6,751.31	54.61	34.07	-86.84	884.37	-281.63	2,541.71	2,462.88	78.83	32.244		
8,500.00	6,898.05	6,858.04	6,747.94	56.98	34.06	-86.74	884.26	-281.54	2,609.65	2,530.04	79.61	32.782		
8,600.00	6,898.31	6,854.56	6,744.46	59.38	34.05	-86.64	884.14	-281.44	2,679.60	2,599.26	80.33	33.356		
8,700.00	6,898.57	6,851.77	6,741.67	61.82	34.03	-86.55	884.05	-281.36	2,751.40	2,670.38	81.02	33.961		
8,800.00	6,898.83	6,849.58	6,739.49	64.30	34.03	-86.49	883.98	-281.30	2,824.91	2,743.26	81.66	34.595		
8,900.00	6,899.10	6,847.40	6,737.31	66.81	34.02	-86.42	883.90	-281.24	2,900.01	2,817.76	82.25	35.258		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	6,845.22	6,735.13	69.34	34.01	-86.35	883.83	-281.18	2,976.57	2,893.77	82.81	35.946		
9,100.00	6,899.62	6,843.05	6,732.96	71.90	34.00	-86.29	883.76	-281.12	3,054.49	2,971.17	83.32	36.659		
9,200.00	6,899.88	6,840.88	6,730.79	74.48	34.00	-86.22	883.69	-281.06	3,133.66	3,049.85	83.80	37.394		
9,300.00	6,900.14	6,838.71	6,728.63	77.08	33.99	-86.16	883.62	-281.00	3,213.98	3,129.73	84.25	38.149		
9,400.00	6,900.41	6,836.55	6,726.47	79.70	33.98	-86.09	883.55	-280.94	3,295.38	3,210.72	84.66	38.923		
9,500.00	6,900.67	6,834.39	6,724.31	82.33	33.97	-86.03	883.48	-280.88	3,377.78	3,292.73	85.05	39.715		
9,600.00	6,900.93	6,832.23	6,722.16	84.97	33.96	-85.96	883.41	-280.82	3,461.11	3,375.70	85.41	40.522		
9,700.00	6,901.19	6,830.08	6,720.01	87.63	33.96	-85.90	883.34	-280.76	3,545.30	3,459.55	85.75	41.345		
9,800.00	6,901.45	6,827.93	6,717.86	90.31	33.95	-85.83	883.27	-280.70	3,630.28	3,544.22	86.07	42.181		
9,900.00	6,901.72	6,825.79	6,715.72	92.99	33.94	-85.77	883.20	-280.65	3,716.02	3,629.66	86.36	43.029		
10,000.00	6,901.98	6,823.65	6,713.58	95.68	33.93	-85.70	883.13	-280.59	3,802.45	3,715.81	86.64	43.889		
10,100.00	6,902.24	6,821.51	6,711.44	98.38	33.93	-85.64	883.07	-280.53	3,889.52	3,802.63	86.90	44.761		
10,200.00	6,902.50	6,819.37	6,709.31	101.09	33.92	-85.57	883.00	-280.47	3,977.21	3,890.07	87.14	45.642		
10,300.00	6,902.76	6,817.24	6,707.18	103.81	33.91	-85.51	882.93	-280.41	4,065.46	3,978.09	87.37	46.532		
10,400.00	6,903.03	6,815.12	6,705.06	106.53	33.90	-85.44	882.87	-280.35	4,154.24	4,066.66	87.58	47.431		
10,500.00	6,903.29	6,812.99	6,702.93	109.26	33.89	-85.38	882.80	-280.29	4,243.52	4,155.74	87.79	48.339		
10,600.00	6,903.55	6,810.87	6,700.82	112.00	33.89	-85.31	882.74	-280.24	4,333.27	4,245.29	87.98	49.253		
10,700.00	6,903.81	6,808.76	6,698.70	114.75	33.88	-85.25	882.67	-280.18	4,423.46	4,335.30	88.16	50.175		
10,800.00	6,904.08	6,806.65	6,696.59	117.49	33.87	-85.19	882.61	-280.12	4,514.06	4,425.72	88.33	51.102		
10,900.00	6,904.34	6,804.54	6,694.48	120.25	33.86	-85.12	882.54	-280.06	4,605.04	4,516.55	88.50	52.036		
11,000.00	6,904.60	6,802.43	6,692.38	123.00	33.86	-85.06	882.48	-280.01	4,696.40	4,607.74	88.65	52.976		
11,100.00	6,904.86	6,800.33	6,690.28	125.77	33.85	-85.00	882.42	-279.95	4,788.09	4,699.29	88.80	53.920		
11,200.00	6,905.12	6,798.23	6,688.18	128.53	33.84	-84.93	882.35	-279.89	4,880.11	4,791.17	88.94	54.870		
11,300.00	6,905.39	6,796.13	6,686.09	131.30	33.83	-84.87	882.29	-279.83	4,972.44	4,883.37	89.07	55.824		
11,400.00	6,905.65	6,794.04	6,684.00	134.08	33.83	-84.81	882.23	-279.78	5,065.06	4,975.86	89.20	56.782		
11,500.00	6,905.91	6,791.95	6,681.91	136.85	33.82	-84.74	882.17	-279.72	5,157.96	5,068.63	89.32	57.744		
11,600.00	6,906.17	6,789.87	6,679.83	139.63	33.81	-84.68	882.11	-279.66	5,251.11	5,161.67	89.44	58.709		
11,700.00	6,906.43	6,787.79	6,677.75	142.42	33.80	-84.62	882.04	-279.61	5,344.51	5,254.96	89.56	59.678		
11,800.00	6,906.70	6,785.71	6,675.67	145.20	33.80	-84.55	881.98	-279.55	5,438.14	5,348.48	89.66	60.650		
11,900.00	6,906.96	6,783.64	6,673.60	147.99	33.79	-84.49	881.92	-279.49	5,532.00	5,442.23	89.77	61.625		
12,000.00	6,907.22	6,781.57	6,671.53	150.78	33.78	-84.43	881.86	-279.44	5,626.07	5,536.20	89.87	62.602		
12,100.00	6,907.48	6,779.50	6,669.47	153.57	33.77	-84.37	881.81	-279.38	5,720.34	5,630.37	89.97	63.582		
12,200.00	6,907.74	6,777.43	6,667.40	156.37	33.77	-84.30	881.75	-279.33	5,814.79	5,724.73	90.06	64.565		
12,300.00	6,908.01	6,775.37	6,665.34	159.17	33.76	-84.24	881.69	-279.27	5,909.43	5,819.28	90.15	65.549		
12,400.00	6,908.27	6,773.32	6,663.29	161.97	33.75	-84.18	881.63	-279.21	6,004.24	5,914.00	90.24	66.535		
12,500.00	6,908.53	6,771.26	6,661.24	164.77	33.74	-84.12	881.57	-279.16	6,099.22	6,008.89	90.33	67.524		
12,600.00	6,908.79	6,769.21	6,659.19	167.57	33.74	-84.06	881.52	-279.10	6,194.36	6,103.95	90.41	68.513		
12,700.00	6,909.06	6,767.17	6,657.14	170.38	33.73	-83.99	881.46	-279.05	6,289.64	6,199.15	90.49	69.505		
12,800.00	6,909.32	6,765.12	6,655.10	173.18	33.72	-83.93	881.40	-278.99	6,385.07	6,294.50	90.57	70.497		
12,900.00	6,909.58	6,763.08	6,653.06	175.99	33.71	-83.87	881.35	-278.94	6,480.63	6,389.99	90.65	71.491		
13,000.00	6,909.84	6,762.00	6,651.98	178.80	33.71	-83.84	881.32	-278.91	6,576.33	6,485.60	90.73	72.482		
13,100.00	6,910.10	6,762.00	6,651.98	181.61	33.71	-83.84	881.32	-278.91	6,672.15	6,581.34	90.82	73.470		
13,200.00	6,910.37	6,762.00	6,651.98	184.42	33.71	-83.84	881.32	-278.91	6,768.10	6,677.20	90.90	74.458		
13,300.00	6,910.63	6,762.00	6,651.98	187.24	33.71	-83.84	881.32	-278.91	6,864.16	6,773.18	90.98	75.447		
13,400.00	6,910.89	6,762.00	6,651.98	190.05	33.71	-83.84	881.32	-278.91	6,960.33	6,869.27	91.06	76.436		
13,500.00	6,911.15	6,762.00	6,651.98	192.87	33.71	-83.84	881.32	-278.91	7,056.60	6,965.46	91.14	77.426		
13,600.00	6,911.41	6,751.60	6,641.59	195.68	33.67	-83.53	881.04	-278.63	7,152.97	7,061.81	91.17	78.461		
13,700.00	6,911.68	6,750.04	6,640.02	198.50	33.67	-83.48	881.00	-278.59	7,249.44	7,158.21	91.23	79.459		
13,800.00	6,911.94	6,748.48	6,638.47	201.32	33.66	-83.43	880.95	-278.55	7,346.01	7,254.71	91.30	80.457		
13,900.00	6,912.20	6,746.93	6,636.92	204.14	33.66	-83.38	880.91	-278.51	7,442.67	7,351.30	91.37	81.456		
14,000.00	6,912.46	6,745.39	6,635.38	206.96	33.65	-83.34	880.87	-278.47	7,539.41	7,447.98	91.44	82.454		
14,100.00	6,912.72	6,743.86	6,633.85	209.78	33.64	-83.29	880.83	-278.43	7,636.24	7,544.74	91.50	83.453		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,742.34	6,632.33	212.61	33.64	-83.25	880.80	-278.39	7,733.15	7,641.58	91.57	84.451		
14,300.00	6,913.25	6,740.83	6,630.82	215.43	33.63	-83.20	880.76	-278.35	7,830.13	7,738.50	91.63	85.450		
14,400.00	6,913.51	6,739.33	6,629.32	218.26	33.63	-83.16	880.72	-278.31	7,927.19	7,835.49	91.70	86.448		
14,500.00	6,913.77	6,737.84	6,627.83	221.08	33.62	-83.11	880.68	-278.27	8,024.32	7,932.56	91.76	87.446		
14,600.00	6,914.04	6,736.35	6,626.35	223.91	33.62	-83.07	880.64	-278.23	8,121.53	8,029.70	91.83	88.444		
14,700.00	6,914.30	6,734.88	6,624.88	226.73	33.61	-83.02	880.61	-278.20	8,218.79	8,126.90	91.89	89.442		
14,800.00	6,914.56	6,733.42	6,623.42	229.56	33.61	-82.98	880.57	-278.16	8,316.12	8,224.17	91.95	90.439		
14,900.00	6,914.82	6,731.96	6,621.96	232.39	33.60	-82.93	880.54	-278.12	8,413.52	8,321.50	92.02	91.436		
15,000.00	6,915.08	6,730.51	6,620.52	235.22	33.60	-82.89	880.50	-278.09	8,510.97	8,418.89	92.08	92.432		
15,100.00	6,915.35	6,729.08	6,619.08	238.05	33.59	-82.85	880.47	-278.05	8,608.48	8,516.34	92.14	93.428		
15,200.00	6,915.61	6,727.65	6,617.65	240.88	33.59	-82.80	880.43	-278.01	8,706.05	8,613.85	92.20	94.423		
15,300.00	6,915.87	6,726.23	6,616.23	243.71	33.58	-82.76	880.40	-277.98	8,803.68	8,711.41	92.26	95.418		
15,400.00	6,916.13	6,724.81	6,614.82	246.54	33.58	-82.72	880.36	-277.94	8,901.35	8,809.02	92.33	96.412		
15,500.00	6,916.39	6,723.41	6,613.42	249.37	33.57	-82.68	880.33	-277.91	9,000.00	8,907.69	92.39	97.405		
15,600.00	6,916.66	6,722.02	6,612.02	252.20	33.57	-82.64	880.30	-277.87	9,098.65	9,006.34	92.45	98.397		
15,700.00	6,916.92	6,720.63	6,610.64	255.03	33.56	-82.59	880.26	-277.84	9,197.30	9,105.02	92.51	99.389		
15,800.00	6,917.18	6,719.25	6,609.26	257.87	33.56	-82.55	880.23	-277.80	9,296.00	9,203.75	92.57	100.380		
15,900.00	6,917.44	6,717.88	6,607.89	260.70	33.55	-82.51	880.20	-277.77	9,394.75	9,302.52	92.64	101.370		
16,000.00	6,917.70	6,716.52	6,606.53	263.53	33.55	-82.47	880.17	-277.74	9,493.50	9,401.28	92.70	102.359		
16,100.00	6,917.97	6,715.17	6,605.18	266.37	33.54	-82.43	880.14	-277.70	9,592.25	9,500.04	92.76	103.347		
16,200.00	6,918.23	6,713.82	6,603.83	269.20	33.54	-82.39	880.11	-277.67	9,691.00	9,598.81	92.82	104.334		
16,300.00	6,918.49	6,712.48	6,602.50	272.04	33.53	-82.35	880.07	-277.64	9,789.75	9,697.58	92.88	105.321		
16,400.00	6,918.75	6,711.15	6,601.17	274.87	33.53	-82.31	880.04	-277.60	9,888.50	9,796.36	92.95	106.306		
16,500.00	6,919.02	6,709.83	6,599.84	277.71	33.52	-82.27	880.01	-277.57	9,987.25	9,895.14	93.01	107.290		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-65.83	422.97	-942.56	1,033.89					
100.00	100.00	55.87	55.87	3.28	3.29	-65.83	423.07	-942.61	1,033.21	1,026.63	6.57	157.223 CC, ES		
200.00	200.00	146.47	146.47	3.34	3.34	-65.79	423.99	-943.05	1,034.06	1,027.39	6.67	154.924		
300.00	299.98	243.08	243.05	3.44	3.44	97.39	425.86	-943.81	1,035.80	1,028.92	6.88	150.542		
400.00	399.84	327.01	326.95	3.59	3.57	97.66	428.10	-944.95	1,038.84	1,031.68	7.16	145.007		
500.00	499.45	398.87	398.71	3.79	3.70	97.97	430.80	-947.13	1,044.44	1,036.92	7.52	138.976		
600.00	598.70	470.17	469.81	4.04	3.87	98.37	434.74	-950.95	1,053.43	1,045.50	7.94	132.750		
660.50	658.52	514.90	514.33	4.20	3.98	98.67	437.79	-954.00	1,060.37	1,052.15	8.22	128.984		
700.00	697.51	543.33	542.59	4.31	4.06	98.96	439.92	-956.20	1,065.46	1,057.04	8.42	126.589		
800.00	796.22	614.00	612.72	4.63	4.26	99.67	445.46	-962.88	1,080.24	1,071.30	8.94	120.851		
900.00	894.93	693.57	691.49	4.98	4.52	100.41	451.94	-972.10	1,097.28	1,087.77	9.51	115.343		
1,000.00	993.64	771.42	768.36	5.34	4.81	101.11	458.71	-982.36	1,116.20	1,106.09	10.11	110.366		
1,100.00	1,092.35	861.55	857.20	5.73	5.16	101.90	467.10	-995.06	1,136.45	1,125.68	10.77	105.476		
1,200.00	1,191.06	937.76	932.17	6.13	5.49	102.50	473.77	-1,006.93	1,157.94	1,146.53	11.42	101.431		
1,300.00	1,289.78	1,003.16	996.20	6.54	5.79	102.90	478.34	-1,019.45	1,181.72	1,169.69	12.03	98.213		
1,400.00	1,388.49	1,069.00	1,060.12	6.95	6.12	103.25	483.56	-1,034.33	1,208.70	1,196.05	12.65	95.516		
1,500.00	1,487.20	1,121.35	1,110.55	7.38	6.41	103.51	488.38	-1,047.55	1,238.54	1,225.32	13.22	93.675		
1,600.00	1,585.91	1,203.20	1,188.92	7.81	6.89	103.88	496.40	-1,069.75	1,270.57	1,256.64	13.93	91.227		
1,700.00	1,684.62	1,288.24	1,270.33	8.25	7.42	104.24	504.59	-1,092.91	1,302.76	1,288.09	14.67	88.829		
1,800.00	1,783.33	1,367.78	1,346.15	8.70	7.94	104.59	513.38	-1,115.25	1,336.40	1,321.02	15.39	86.857		
1,900.00	1,882.04	1,451.92	1,426.42	9.15	8.52	105.05	524.68	-1,137.83	1,370.46	1,354.32	16.14	84.900		
2,000.00	1,980.75	1,519.84	1,490.88	9.60	9.00	105.41	534.49	-1,156.84	1,406.04	1,389.24	16.80	83.684		
2,100.00	2,079.46	1,596.67	1,563.46	10.05	9.57	105.79	546.06	-1,179.24	1,443.01	1,425.49	17.52	82.340		
2,200.00	2,178.17	1,698.47	1,659.58	10.51	10.34	106.31	562.33	-1,208.56	1,480.31	1,461.88	18.43	80.325		
2,300.00	2,276.88	1,800.58	1,756.27	10.97	11.11	106.88	579.77	-1,236.32	1,517.05	1,497.71	19.34	78.430		
2,400.00	2,375.59	1,902.17	1,852.74	11.43	11.87	107.49	598.03	-1,262.44	1,553.27	1,533.01	20.26	76.668		
2,500.00	2,474.31	2,009.32	1,954.68	11.89	12.67	108.10	617.03	-1,289.41	1,589.07	1,567.85	21.22	74.871		
2,600.00	2,573.02	2,092.89	2,034.37	12.36	13.30	108.55	631.50	-1,310.02	1,624.37	1,602.34	22.02	73.754		
2,700.00	2,671.73	2,187.02	2,123.79	12.82	14.02	109.02	647.99	-1,334.35	1,660.77	1,637.86	22.91	72.494		
2,800.00	2,770.44	2,294.21	2,226.01	13.29	14.83	109.52	665.56	-1,361.38	1,696.05	1,672.15	23.90	70.963		
2,900.00	2,869.15	2,367.19	2,295.53	13.76	15.39	109.82	677.04	-1,380.40	1,731.71	1,707.08	24.64	70.293		
3,000.00	2,967.86	2,447.88	2,372.10	14.23	16.02	110.15	690.84	-1,401.80	1,768.58	1,743.15	25.43	69.541		
3,100.00	3,066.57	2,521.96	2,442.33	14.70	16.61	110.46	703.84	-1,421.44	1,805.86	1,779.69	26.18	68.990		
3,200.00	3,165.28	2,578.00	2,495.16	15.17	17.07	110.71	714.79	-1,436.59	1,844.79	1,818.03	26.76	68.930		
3,300.00	3,263.99	2,641.77	2,554.93	15.64	17.61	111.01	728.50	-1,454.08	1,885.34	1,857.93	27.41	68.780		
3,400.00	3,362.70	2,719.22	2,627.20	16.11	18.27	111.39	746.44	-1,475.38	1,927.06	1,898.88	28.18	68.389		
3,500.00	3,461.41	3,500.00	3,150.59	16.59	22.93	114.36	844.05	-1,563.80	1,954.01	1,920.80	33.21	58.834		
3,600.00	3,560.12	3,536.65	3,425.53	17.06	22.90	115.54	859.87	-1,581.34	1,968.06	1,934.25	33.82	58.198		
3,700.00	3,658.84	3,721.16	3,609.97	17.53	23.47	116.24	860.37	-1,585.52	1,976.31	1,941.39	34.92	56.595		
3,800.00	3,757.55	3,831.40	3,720.19	18.01	23.78	116.64	859.00	-1,587.11	1,983.70	1,947.90	35.80	55.411		
3,900.00	3,856.26	3,933.70	3,822.47	18.48	24.07	117.01	857.49	-1,588.29	1,990.80	1,954.14	36.66	54.307		
4,000.00	3,954.97	4,028.81	3,917.55	18.96	24.35	117.34	855.67	-1,589.59	1,997.83	1,960.32	37.50	53.270		
4,100.00	4,053.68	4,111.80	4,000.50	19.44	24.60	117.60	853.94	-1,591.70	2,005.61	1,967.29	38.33	52.331		
4,200.00	4,152.39	4,216.39	4,105.06	19.91	24.92	117.95	852.73	-1,593.93	2,013.84	1,974.64	39.21	51.365		
4,300.00	4,251.10	4,319.13	4,207.80	20.39	25.24	118.38	853.24	-1,593.45	2,021.50	1,981.42	40.07	50.449		
4,400.00	4,349.81	4,412.06	4,300.71	20.87	25.52	118.80	854.55	-1,592.60	2,029.60	1,988.70	40.91	49.614		
4,500.00	4,448.52	4,502.39	4,391.02	21.34	25.81	119.20	855.95	-1,591.90	2,038.04	1,996.30	41.74	48.823		
4,600.00	4,547.23	4,597.09	4,485.71	21.82	26.12	119.61	857.63	-1,591.55	2,047.01	2,004.42	42.60	48.057		
4,700.00	4,645.94	4,693.29	4,581.89	22.30	26.44	120.02	859.42	-1,591.15	2,056.14	2,012.69	43.46	47.316		
4,800.00	4,744.65	4,784.23	4,672.81	22.78	26.94	120.68	859.51	-1,589.28	2,063.32	2,018.85	44.47	46.398		
4,900.00	4,843.37	4,880.05	4,768.61	23.26	27.20	121.02	858.81	-1,588.03	2,070.02	2,024.74	45.28	45.714		
5,000.00	4,942.08	5,025.16	4,863.73	23.74	27.46	121.36	858.56	-1,587.21	2,077.52	2,031.43	46.09	45.071		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,040.79	5,113.35	5,001.91	24.21	27.74	121.70	858.49	-1,586.90	2,085.68	2,038.75	46.92	44.450		
5,200.00	5,139.50	5,199.18	5,087.74	24.69	28.03	122.02	858.63	-1,587.01	2,094.42	2,046.66	47.75	43.858		
5,300.00	5,238.21	5,292.58	5,181.13	25.17	28.36	122.36	859.08	-1,587.71	2,103.87	2,055.25	48.62	43.272		
5,400.00	5,336.92	5,384.50	5,273.05	25.65	28.68	122.68	859.25	-1,588.64	2,113.36	2,063.88	49.48	42.711		
5,500.00	5,435.63	5,463.28	5,351.82	26.13	28.97	122.95	859.69	-1,590.05	2,123.70	2,073.41	50.29	42.226		
5,600.00	5,534.34	5,544.15	5,432.66	26.61	29.28	123.23	860.95	-1,591.76	2,135.06	2,083.95	51.11	41.773		
5,700.00	5,633.05	5,721.77	5,610.24	27.09	29.91	123.88	863.45	-1,593.07	2,145.96	2,093.70	52.26	41.062		
5,800.00	5,731.76	5,819.15	5,707.61	27.57	30.23	124.24	863.04	-1,592.17	2,154.09	2,100.98	53.11	40.559		
5,900.00	5,830.47	5,905.52	5,793.98	28.05	30.52	124.54	862.74	-1,591.99	2,162.80	2,108.87	53.93	40.103		
6,000.00	5,929.18	5,996.02	5,884.48	28.53	30.83	124.85	862.58	-1,592.23	2,172.01	2,117.23	54.78	39.653		
6,100.00	6,027.90	6,081.83	5,970.29	29.01	31.14	125.13	862.63	-1,592.79	2,181.73	2,126.12	55.61	39.232		
6,200.00	6,126.61	6,160.78	6,049.23	29.49	31.44	125.39	863.12	-1,593.76	2,192.30	2,135.87	56.42	38.856		
6,300.00	6,225.32	6,237.45	6,125.88	29.97	31.73	125.64	864.08	-1,595.31	2,203.89	2,146.67	57.22	38.517		
6,311.21	6,236.38	6,246.51	6,134.93	30.03	31.77	125.67	864.23	-1,595.52	2,205.26	2,147.95	57.31	38.479		
6,350.00	6,274.70	6,277.83	6,166.24	30.21	31.89	148.15	864.83	-1,596.26	2,210.76	2,153.14	57.62	38.367		
6,400.00	6,324.03	6,323.82	6,212.21	30.43	32.07	174.52	865.93	-1,597.32	2,220.11	2,162.08	58.03	38.256		
6,450.00	6,373.00	6,450.15	6,338.52	30.65	32.54	-167.84	867.39	-1,598.24	2,230.68	2,171.93	58.75	37.970		
6,500.00	6,421.31	6,514.32	6,402.69	30.84	32.77	-156.87	866.64	-1,598.35	2,242.49	2,183.30	59.19	37.889 SF		
6,550.00	6,468.66	6,553.83	6,442.19	31.03	32.91	-149.53	866.11	-1,598.55	2,256.53	2,197.00	59.53	37.906		
6,600.00	6,514.76	6,605.33	6,493.68	31.20	33.09	-144.26	865.50	-1,598.91	2,272.81	2,212.91	59.90	37.942		
6,650.00	6,559.32	6,650.00	6,546.68	31.37	33.24	-140.20	864.56	-1,598.71	2,290.62	2,230.38	60.23	38.029		
6,700.00	6,602.08	6,731.10	6,619.43	31.52	33.51	-137.00	863.18	-1,597.97	2,310.15	2,249.47	60.68	38.071		
6,750.00	6,642.77	6,777.03	6,665.34	31.65	33.66	-134.00	862.24	-1,597.25	2,331.55	2,270.55	61.00	38.221		
6,800.00	6,681.13	6,800.37	6,688.67	31.78	33.74	-130.92	861.91	-1,596.88	2,355.00	2,293.75	61.25	38.449		
6,850.00	6,716.93	6,826.97	6,715.27	31.89	33.83	-127.93	861.63	-1,596.46	2,380.38	2,318.88	61.50	38.705		
6,900.00	6,749.95	6,851.00	6,739.30	31.99	33.92	-124.88	861.49	-1,596.09	2,407.60	2,345.87	61.74	38.997		
6,950.00	6,779.98	6,876.23	6,764.52	32.08	34.01	-121.76	861.43	-1,595.72	2,436.50	2,374.52	61.98	39.311		
7,000.00	6,806.85	6,898.24	6,786.53	32.16	34.08	-118.46	861.41	-1,595.45	2,466.91	2,404.70	62.21	39.653		
7,050.00	6,830.38	6,917.48	6,805.77	32.24	34.15	-114.94	861.41	-1,595.24	2,498.69	2,436.25	62.44	40.019		
7,100.00	6,850.43	6,933.84	6,822.13	32.35	34.21	-111.19	861.44	-1,595.08	2,531.67	2,469.01	62.66	40.404		
7,150.00	6,866.88	6,947.72	6,836.01	32.59	34.26	-107.20	861.47	-1,594.96	2,565.68	2,502.80	62.88	40.805		
7,200.00	6,879.62	6,959.09	6,847.37	32.99	34.30	-102.99	861.51	-1,594.87	2,600.51	2,537.42	63.09	41.217		
7,250.00	6,888.58	6,967.17	6,855.46	33.48	34.33	-98.57	861.54	-1,594.80	2,635.99	2,572.68	63.30	41.640		
7,300.00	6,893.70	6,971.93	6,860.22	34.02	34.35	-94.01	861.56	-1,594.77	2,671.89	2,608.38	63.51	42.073		
7,339.40	6,895.01	6,973.33	6,861.62	34.48	34.35	-90.36	861.57	-1,594.76	2,700.34	2,636.68	63.66	42.419		
7,400.00	6,895.16	6,973.88	6,862.17	35.24	34.35	-90.38	861.57	-1,594.75	2,744.47	2,680.57	63.90	42.949		
7,500.00	6,895.43	6,974.78	6,863.07	36.64	34.36	-90.40	861.57	-1,594.74	2,818.63	2,754.29	64.34	43.807		
7,600.00	6,895.69	6,975.68	6,863.97	38.20	34.36	-90.43	861.58	-1,594.74	2,894.35	2,829.53	64.82	44.651		
7,700.00	6,895.95	6,976.58	6,864.87	39.91	34.36	-90.46	861.58	-1,594.73	2,971.50	2,906.17	65.33	45.485		
7,800.00	6,896.21	6,977.48	6,865.77	41.75	34.37	-90.49	861.59	-1,594.72	3,049.98	2,984.12	65.86	46.313		
7,900.00	6,896.47	6,978.37	6,866.66	43.69	34.37	-90.52	861.59	-1,594.72	3,129.68	3,063.29	66.39	47.139		
8,000.00	6,896.74	6,979.26	6,867.55	45.73	34.37	-90.54	861.60	-1,594.71	3,210.53	3,143.59	66.94	47.964		
8,100.00	6,897.00	6,980.15	6,868.44	47.85	34.38	-90.57	861.60	-1,594.70	3,292.42	3,224.94	67.48	48.791		
8,200.00	6,897.26	6,981.04	6,869.33	50.04	34.38	-90.60	861.61	-1,594.70	3,375.29	3,307.27	68.02	49.622		
8,300.00	6,897.52	6,981.92	6,870.21	52.30	34.38	-90.62	861.61	-1,594.69	3,459.07	3,390.51	68.56	50.457		
8,400.00	6,897.78	6,982.80	6,871.09	54.61	34.39	-90.65	861.62	-1,594.68	3,543.68	3,474.60	69.08	51.297		
8,500.00	6,898.05	6,983.68	6,871.97	56.98	34.39	-90.68	861.62	-1,594.67	3,629.08	3,559.48	69.60	52.142		
8,600.00	6,898.31	6,984.56	6,872.85	59.38	34.39	-90.71	861.63	-1,594.66	3,715.21	3,645.10	70.11	52.994		
8,700.00	6,898.57	6,985.44	6,873.72	61.82	34.40	-90.73	861.63	-1,594.66	3,802.01	3,731.41	70.60	53.853		
8,800.00	6,898.83	6,986.31	6,874.60	64.30	34.40	-90.76	861.63	-1,594.65	3,889.45	3,818.37	71.08	54.718		
8,900.00	6,899.10	6,987.18	6,875.47	66.81	34.40	-90.79	861.64	-1,594.65	3,977.49	3,905.93	71.55	55.589		
9,000.00	6,899.36	6,988.05	6,876.33	69.34	34.41	-90.81	861.64	-1,594.64	4,066.07	3,994.06	72.01	56.467		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.62	6,988.91	6,877.20	71.90	34.41	-90.84	861.65	-1,594.63	4,155.17	4,082.72	72.45	57.350		
9,200.00	6,899.88	6,989.78	6,878.06	74.48	34.41	-90.87	861.65	-1,594.63	4,244.76	4,171.88	72.88	58.240		
9,300.00	6,900.14	6,990.64	6,878.92	77.08	34.41	-90.89	861.66	-1,594.62	4,334.80	4,261.50	73.30	59.136		
9,400.00	6,900.41	6,991.50	6,879.78	79.70	34.42	-90.92	861.66	-1,594.61	4,425.27	4,351.57	73.71	60.037		
9,500.00	6,900.67	6,992.35	6,880.64	82.33	34.42	-90.94	861.67	-1,594.61	4,516.15	4,442.04	74.10	60.944		
9,600.00	6,900.93	6,993.21	6,881.50	84.97	34.42	-90.97	861.67	-1,594.60	4,607.40	4,532.91	74.49	61.855		
9,700.00	6,901.19	6,994.06	6,882.35	87.63	34.43	-91.00	861.68	-1,594.60	4,699.00	4,624.15	74.86	62.772		
9,800.00	6,901.45	6,994.91	6,883.20	90.31	34.43	-91.02	861.69	-1,594.59	4,790.95	4,715.73	75.22	63.693		
9,900.00	6,901.72	6,995.76	6,884.05	92.99	34.43	-91.05	861.69	-1,594.58	4,883.20	4,807.63	75.57	64.619		
10,000.00	6,901.98	6,996.61	6,884.89	95.68	34.44	-91.07	861.70	-1,594.58	4,975.76	4,899.85	75.91	65.549		
10,100.00	6,902.24	6,997.45	6,885.74	98.38	34.44	-91.10	861.70	-1,594.57	5,068.60	4,992.36	76.24	66.482		
10,200.00	6,902.50	6,998.29	6,886.58	101.09	34.44	-91.13	861.71	-1,594.56	5,161.71	5,085.15	76.56	67.420		
10,300.00	6,902.76	6,999.13	6,887.42	103.81	34.45	-91.15	861.71	-1,594.56	5,255.07	5,178.20	76.87	68.360		
10,400.00	6,903.03	6,999.97	6,888.25	106.53	34.45	-91.18	861.72	-1,594.55	5,348.67	5,271.49	77.18	69.304		
10,500.00	6,903.29	7,000.80	6,889.09	109.26	34.45	-91.20	861.72	-1,594.55	5,442.50	5,365.02	77.47	70.251		
10,600.00	6,903.55	7,001.64	6,889.92	112.00	34.46	-91.23	861.73	-1,594.54	5,536.54	5,458.78	77.76	71.201		
10,700.00	6,903.81	7,002.47	6,890.75	114.75	34.46	-91.25	861.73	-1,594.53	5,630.79	5,552.75	78.04	72.154		
10,800.00	6,904.08	7,003.30	6,891.58	117.49	34.46	-91.28	861.74	-1,594.53	5,725.23	5,646.92	78.31	73.108		
10,900.00	6,904.34	7,004.12	6,892.41	120.25	34.46	-91.31	861.75	-1,594.52	5,819.86	5,741.29	78.58	74.066		
11,000.00	6,904.60	7,004.95	6,893.23	123.00	34.47	-91.33	861.75	-1,594.51	5,914.67	5,835.83	78.84	75.025		
11,100.00	6,904.86	7,005.77	6,894.06	125.77	34.47	-91.36	861.76	-1,594.51	6,009.64	5,930.55	79.09	75.986		
11,200.00	6,905.12	7,006.59	6,894.88	128.53	34.47	-91.38	861.76	-1,594.50	6,104.78	6,025.44	79.33	76.949		
11,300.00	6,905.39	7,007.41	6,895.70	131.30	34.48	-91.41	861.77	-1,594.50	6,200.06	6,120.49	79.58	77.914		
11,400.00	6,905.65	7,008.23	6,896.51	134.08	34.48	-91.43	861.77	-1,594.49	6,295.50	6,215.69	79.81	78.881		
11,500.00	6,905.91	7,009.04	6,897.33	136.85	34.48	-91.46	861.78	-1,594.48	6,391.07	6,311.03	80.04	79.848		
11,600.00	6,906.17	7,009.85	6,898.14	139.63	34.49	-91.48	861.79	-1,594.48	6,486.78	6,406.51	80.26	80.817		
11,700.00	6,906.43	7,010.66	6,898.95	142.42	34.49	-91.51	861.79	-1,594.47	6,582.61	6,502.13	80.48	81.787		
11,800.00	6,906.70	7,011.47	6,899.76	145.20	34.49	-91.53	861.80	-1,594.47	6,678.57	6,597.87	80.70	82.759		
11,900.00	6,906.96	7,012.28	6,900.56	147.99	34.49	-91.56	861.80	-1,594.46	6,774.64	6,693.73	80.91	83.731		
12,000.00	6,907.22	7,013.08	6,901.37	150.78	34.50	-91.58	861.81	-1,594.46	6,870.83	6,789.71	81.12	84.704		
12,100.00	6,907.48	7,013.88	6,902.17	153.57	34.50	-91.60	861.81	-1,594.45	6,967.12	6,885.80	81.32	85.677		
12,200.00	6,907.74	7,014.68	6,902.97	156.37	34.50	-91.63	861.82	-1,594.44	7,063.51	6,982.00	81.52	86.651		
12,300.00	6,908.01	7,015.48	6,903.77	159.17	34.51	-91.65	861.83	-1,594.44	7,160.01	7,078.30	81.71	87.626		
12,400.00	6,908.27	7,016.28	6,904.56	161.97	34.51	-91.68	861.83	-1,594.43	7,256.59	7,174.69	81.90	88.601		
12,500.00	6,908.53	7,017.07	6,905.36	164.77	34.51	-91.70	861.84	-1,594.43	7,353.27	7,271.19	82.09	89.577		
12,600.00	6,908.79	7,017.86	6,906.15	167.57	34.51	-91.73	861.85	-1,594.42	7,450.04	7,367.77	82.27	90.553		
12,700.00	6,909.06	7,018.65	6,906.94	170.38	34.52	-91.75	861.85	-1,594.41	7,546.89	7,464.44	82.45	91.529		
12,800.00	6,909.32	7,019.44	6,907.73	173.18	34.52	-91.78	861.86	-1,594.41	7,643.83	7,561.19	82.63	92.505		
12,900.00	6,909.58	7,020.23	6,908.51	175.99	34.52	-91.80	861.86	-1,594.40	7,740.84	7,658.03	82.81	93.481		
13,000.00	6,909.84	7,021.01	6,909.30	178.80	34.53	-91.82	861.87	-1,594.40	7,837.92	7,754.94	82.98	94.457		
13,100.00	6,910.10	7,021.79	6,910.08	181.61	34.53	-91.85	861.88	-1,594.39	7,935.08	7,851.93	83.15	95.433		
13,200.00	6,910.37	7,022.57	6,910.86	184.42	34.53	-91.87	861.88	-1,594.39	8,032.31	7,948.99	83.31	96.409		
13,300.00	6,910.63	7,023.35	6,911.64	187.24	34.53	-91.90	861.89	-1,594.38	8,129.60	8,046.12	83.48	97.385		
13,400.00	6,910.89	7,024.13	6,912.42	190.05	34.54	-91.92	861.89	-1,594.38	8,226.96	8,143.32	83.64	98.360		
13,500.00	6,911.15	7,024.90	6,913.19	192.87	34.54	-91.94	861.90	-1,594.37	8,324.38	8,240.58	83.80	99.335		
13,600.00	6,911.41	7,025.68	6,913.96	195.68	34.54	-91.97	861.91	-1,594.36	8,421.86	8,337.91	83.96	100.310		
13,700.00	6,911.68	7,026.45	6,914.73	198.50	34.55	-91.99	861.91	-1,594.36	8,519.41	8,435.29	84.11	101.284		
13,800.00	6,911.94	7,027.22	6,915.50	201.32	34.55	-92.01	861.92	-1,594.35	8,617.00	8,532.73	84.27	102.257		
13,900.00	6,912.20	7,027.98	6,916.27	204.14	34.55	-92.04	861.93	-1,594.35	8,714.65	8,630.23	84.42	103.230		
14,000.00	6,912.46	7,028.75	6,917.04	206.96	34.55	-92.06	861.93	-1,594.34	8,812.36	8,727.79	84.57	104.203		
14,100.00	6,912.72	7,029.51	6,917.80	209.78	34.56	-92.08	861.94	-1,594.34	8,910.11	8,825.39	84.72	105.175		
14,200.00	6,912.99	7,030.27	6,918.56	212.61	34.56	-92.11	861.95	-1,594.33	9,007.92	8,923.05	84.86	106.146		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 ft
Boomerang 21-5 - WIEDEMAN #4-5 - OH - OH												<b>Offset Well Error:</b>	3.28 ft
Survey Program: 16-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,300.00	6,913.25	7,031.03	6,919.32	215.43	34.56	-92.13	861.95	-1,594.33	9,105.77	9,020.76	85.01	107.116	
14,400.00	6,913.51	7,031.79	6,920.08	218.26	34.57	-92.15	861.96	-1,594.32	9,203.66	9,118.51	85.15	108.086	
14,500.00	6,913.77	7,032.55	6,920.83	221.08	34.57	-92.18	861.97	-1,594.32	9,301.61	9,216.31	85.29	109.054	
14,600.00	6,914.04	7,033.30	6,921.59	223.91	34.57	-92.20	861.97	-1,594.31	9,399.59	9,314.16	85.43	110.022	
14,700.00	6,914.30	7,034.05	6,922.34	226.73	34.57	-92.22	861.98	-1,594.31	9,497.62	9,412.05	85.57	110.989	
14,800.00	6,914.56	7,034.81	6,923.09	229.56	34.58	-92.25	861.99	-1,594.30	9,595.69	9,509.98	85.71	111.955	
14,900.00	6,914.82	7,035.55	6,923.84	232.39	34.58	-92.27	861.99	-1,594.30	9,693.80	9,607.95	85.85	112.920	
15,000.00	6,915.08	7,036.30	6,924.59	235.22	34.58	-92.29	862.00	-1,594.29	9,791.94	9,705.96	85.98	113.885	
15,100.00	6,915.35	7,037.05	6,925.33	238.05	34.59	-92.32	862.01	-1,594.29	9,890.12	9,804.01	86.12	114.847	
15,200.00	6,915.61	7,037.79	6,926.07	240.88	34.59	-92.34	862.01	-1,594.28	9,988.34	9,902.09	86.25	115.809	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-67.23	392.01	-933.93	1,013.58					
100.00	100.00	57.07	57.07	3.28	3.29	-67.23	392.03	-934.04	1,012.98	1,006.41	6.57	154.135 CC, ES		
200.00	200.00	146.34	146.34	3.34	3.34	-67.24	392.20	-934.95	1,014.00	1,007.32	6.68	151.903		
300.00	299.98	249.45	249.44	3.44	3.45	95.86	392.59	-936.45	1,015.67	1,008.78	6.89	147.455		
400.00	399.84	340.46	340.43	3.59	3.59	96.06	392.71	-938.03	1,017.87	1,010.69	7.18	141.713		
500.00	499.45	444.67	444.59	3.79	3.80	96.38	391.34	-940.80	1,020.75	1,013.16	7.59	134.535		
600.00	598.70	549.47	549.23	4.04	4.05	96.72	386.75	-944.19	1,023.36	1,015.28	8.08	126.635		
660.50	658.52	604.37	603.93	4.20	4.20	96.89	382.89	-946.73	1,025.28	1,016.88	8.40	122.085		
700.00	697.51	639.53	638.92	4.31	4.31	97.01	379.98	-948.72	1,026.78	1,018.16	8.62	119.144		
800.00	796.22	731.40	730.19	4.63	4.60	97.26	371.70	-954.98	1,031.31	1,022.08	9.23	111.773		
900.00	894.93	829.96	827.94	4.98	4.94	97.44	361.58	-962.54	1,036.12	1,026.21	9.92	104.491		
1,000.00	993.64	927.25	924.33	5.34	5.32	97.58	351.03	-970.52	1,041.20	1,030.55	10.65	97.743		
1,100.00	1,092.35	1,017.06	1,013.01	5.73	5.69	97.61	339.70	-978.95	1,046.63	1,035.23	11.41	91.752		
1,200.00	1,191.06	1,098.08	1,092.49	6.13	6.06	97.48	327.55	-988.96	1,053.74	1,041.57	12.17	86.600		
1,300.00	1,289.78	1,187.14	1,179.35	6.54	6.50	97.22	312.86	-1,001.98	1,062.30	1,049.29	13.01	81.671		
1,400.00	1,388.49	1,282.64	1,272.06	6.95	7.01	96.85	295.61	-1,017.08	1,071.37	1,057.44	13.92	76.957		
1,500.00	1,487.20	1,372.66	1,358.95	7.38	7.53	96.40	277.87	-1,032.57	1,081.12	1,066.28	14.84	72.830		
1,600.00	1,585.91	1,469.12	1,451.64	7.81	8.12	95.86	257.99	-1,050.38	1,091.76	1,075.91	15.84	68.916		
1,700.00	1,684.62	1,577.16	1,555.05	8.25	8.81	95.18	233.98	-1,070.42	1,101.99	1,085.04	16.95	65.001		
1,800.00	1,783.33	1,687.99	1,660.95	8.70	9.55	94.44	208.08	-1,090.36	1,111.43	1,093.32	18.11	61.361		
1,900.00	1,882.04	1,788.98	1,757.45	9.15	10.24	93.77	183.95	-1,107.83	1,120.18	1,100.96	19.23	58.265		
2,000.00	1,980.75	1,863.59	1,828.04	9.60	10.78	93.17	164.56	-1,122.18	1,130.21	1,110.04	20.17	56.030		
2,100.00	2,079.46	1,948.52	1,908.08	10.05	11.42	92.48	142.45	-1,140.04	1,142.10	1,120.89	21.21	53.852		
2,200.00	2,178.17	2,054.91	2,008.78	10.51	12.22	91.70	116.28	-1,162.18	1,154.45	1,132.04	22.42	51.498		
2,300.00	2,276.88	2,147.62	2,096.74	10.97	12.91	91.07	94.00	-1,181.25	1,166.90	1,143.39	23.51	49.631		
2,400.00	2,375.59	2,256.36	2,199.94	11.43	13.73	90.34	67.74	-1,203.25	1,179.16	1,154.42	24.74	47.656		
2,500.00	2,474.31	2,346.87	2,286.08	11.89	14.41	89.78	46.33	-1,220.97	1,191.12	1,165.30	25.82	46.134		
2,600.00	2,573.02	2,430.19	2,365.26	12.36	15.04	89.28	27.33	-1,238.64	1,204.88	1,178.06	26.83	44.912		
2,700.00	2,671.73	2,543.74	2,473.26	12.82	15.90	88.62	1.23	-1,262.05	1,218.21	1,190.10	28.10	43.348		
2,800.00	2,770.44	2,623.05	2,548.62	13.29	16.51	88.16	-17.28	-1,278.40	1,231.66	1,202.58	29.08	42.357		
2,900.00	2,869.15	2,707.30	2,628.24	13.76	17.18	87.65	-36.93	-1,297.70	1,247.31	1,217.21	30.10	41.436		
3,000.00	2,967.86	2,863.12	2,775.60	14.23	18.41	86.68	-75.29	-1,330.62	1,261.28	1,229.49	31.79	39.681		
3,100.00	3,066.57	2,974.84	2,882.14	14.70	19.26	86.06	-102.31	-1,350.64	1,272.23	1,239.19	33.04	38.504		
3,200.00	3,165.28	3,090.17	2,991.94	15.17	20.13	85.39	-131.53	-1,370.39	1,282.31	1,247.98	34.33	37.355		
3,300.00	3,263.99	3,174.22	3,072.43	15.64	20.75	84.98	-151.43	-1,384.15	1,292.12	1,256.78	35.34	36.565		
3,400.00	3,362.70	3,245.08	3,140.56	16.11	21.27	84.71	-166.32	-1,396.66	1,303.77	1,267.55	36.22	35.994		
3,500.00	3,461.41	3,369.33	3,259.66	16.59	22.18	84.22	-192.76	-1,420.21	1,316.93	1,279.38	37.55	35.069		
3,600.00	3,560.12	3,537.83	3,421.96	17.06	23.37	83.52	-231.45	-1,443.56	1,324.07	1,284.89	39.19	33.789		
3,700.00	3,658.84	3,617.55	3,498.60	17.53	23.93	83.15	-250.90	-1,453.73	1,330.52	1,290.35	40.17	33.121		
3,800.00	3,757.55	3,686.62	3,564.82	18.01	24.44	82.83	-267.70	-1,463.90	1,338.99	1,297.91	41.07	32.599		
3,900.00	3,856.26	3,759.54	3,634.11	18.48	25.01	82.43	-286.50	-1,476.57	1,349.86	1,307.87	42.00	32.141		
4,000.00	3,954.97	3,849.68	3,719.10	18.96	25.74	81.86	-311.39	-1,493.41	1,361.96	1,318.87	43.08	31.611		
4,100.00	4,053.68	3,948.24	3,811.69	19.44	26.56	81.21	-339.37	-1,512.31	1,374.61	1,330.35	44.26	31.060		
4,200.00	4,152.39	4,050.56	3,907.92	19.91	27.40	80.55	-368.42	-1,531.45	1,386.97	1,341.52	45.46	30.513		
4,300.00	4,251.10	4,150.73	4,003.20	20.39	28.18	80.07	-393.23	-1,549.81	1,399.48	1,352.88	46.60	30.033		
4,400.00	4,349.81	4,220.48	4,070.34	20.87	28.69	79.88	-407.15	-1,562.56	1,412.64	1,365.21	47.43	29.785		
4,500.00	4,448.52	4,288.02	4,135.28	21.34	29.18	79.76	-419.12	-1,576.72	1,428.50	1,380.29	48.21	29.633		
4,600.00	4,547.23	4,406.08	4,248.20	21.82	30.06	79.44	-442.41	-1,602.07	1,444.85	1,395.36	49.49	29.196		
4,700.00	4,645.94	4,534.44	4,371.43	22.30	31.01	79.09	-468.34	-1,627.01	1,459.04	1,408.18	50.86	28.687		
4,800.00	4,744.65	4,716.97	4,548.22	22.78	32.26	78.72	-503.32	-1,655.56	1,469.63	1,417.03	52.60	27.941		
4,900.00	4,843.37	4,840.10	4,669.31	23.26	32.96	78.74	-520.93	-1,669.23	1,476.05	1,422.29	53.76	27.456		
5,000.00	4,942.08	4,935.88	4,763.70	23.74	33.49	78.80	-533.40	-1,679.75	1,482.56	1,427.81	54.75	27.080		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,040.79	5,052.69	4,879.04	24.21	34.11	78.92	-547.31	-1,691.79	1,488.53	1,432.69	55.84	26.656		
5,200.00	5,139.50	5,204.74	5,029.91	24.69	34.84	79.23	-562.11	-1,703.45	1,492.10	1,435.06	57.05	26.156		
5,300.00	5,238.21	5,317.57	5,142.30	25.17	35.33	79.58	-570.25	-1,709.01	1,493.23	1,435.19	58.04	25.727		
5,400.00	5,336.92	5,460.40	5,284.72	25.65	35.89	80.06	-579.96	-1,713.51	1,492.67	1,433.58	59.09	25.263		
5,500.00	5,435.63	5,577.65	5,401.88	26.13	36.29	80.60	-584.21	-1,714.60	1,490.44	1,430.42	60.02	24.833		
5,600.00	5,534.34	5,675.68	5,499.88	26.61	36.60	81.10	-586.81	-1,714.48	1,487.39	1,426.48	60.91	24.418		
5,700.00	5,633.05	5,768.49	5,592.65	27.09	36.91	81.57	-589.36	-1,714.83	1,484.93	1,423.13	61.80	24.028		
5,800.00	5,731.76	5,866.44	5,690.60	27.57	37.19	82.14	-589.89	-1,715.11	1,482.84	1,420.17	62.67	23.662		
5,900.00	5,830.47	5,952.38	5,776.52	28.05	37.41	82.73	-588.19	-1,715.36	1,481.32	1,417.83	63.49	23.331		
6,000.00	5,929.18	6,045.50	5,869.61	28.53	37.66	83.38	-586.20	-1,716.23	1,480.68	1,416.36	64.32	23.020		
6,100.00	6,027.90	6,144.03	5,968.11	29.01	37.93	84.06	-584.05	-1,717.31	1,480.40	1,415.24	65.16	22.719		
6,114.11	6,041.82	6,155.53	5,979.61	29.08	37.96	84.13	-583.79	-1,717.44	1,480.39	1,415.11	65.27	22.679		
6,200.00	6,126.61	6,229.16	6,053.21	29.49	38.16	84.65	-582.05	-1,718.61	1,480.79	1,414.81	65.98	22.445		
6,300.00	6,225.32	6,327.65	6,151.65	29.97	38.44	85.32	-579.75	-1,720.54	1,481.80	1,414.98	66.82	22.176		
6,311.21	6,236.38	6,338.78	6,162.77	30.03	38.47	85.40	-579.49	-1,720.75	1,481.93	1,415.02	66.91	22.147		
6,350.00	6,274.70	6,377.26	6,201.24	30.21	38.58	107.69	-578.54	-1,721.48	1,483.53	1,416.30	67.24	22.064		
6,400.00	6,324.03	6,425.49	6,249.44	30.43	38.72	133.74	-577.24	-1,722.37	1,489.03	1,421.40	67.64	22.015 SF		
6,450.00	6,373.00	6,472.00	6,295.93	30.65	38.85	151.07	-576.07	-1,723.31	1,498.41	1,430.40	68.01	22.032		
6,500.00	6,421.31	6,518.51	6,342.42	30.84	38.99	161.78	-575.05	-1,724.34	1,511.60	1,443.23	68.37	22.109		
6,550.00	6,468.66	6,564.60	6,388.48	31.03	39.13	168.77	-574.16	-1,725.42	1,528.46	1,459.75	68.71	22.245		
6,600.00	6,514.76	6,609.65	6,433.52	31.20	39.27	173.70	-573.40	-1,726.52	1,548.88	1,479.85	69.03	22.437		
6,650.00	6,559.32	6,653.28	6,477.13	31.37	39.40	177.44	-572.69	-1,727.61	1,572.71	1,503.37	69.33	22.683		
6,700.00	6,602.08	6,694.58	6,518.41	31.52	39.53	179.50	-572.03	-1,728.65	1,599.80	1,530.19	69.61	22.982		
6,750.00	6,642.77	6,733.32	6,557.13	31.65	39.65	176.84	-571.32	-1,729.62	1,630.00	1,560.13	69.86	23.331		
6,800.00	6,681.13	6,769.36	6,593.15	31.78	39.76	174.36	-570.57	-1,730.53	1,663.11	1,593.02	70.09	23.729		
6,850.00	6,716.93	6,801.67	6,625.44	31.89	39.86	171.89	-569.79	-1,731.37	1,698.96	1,628.68	70.28	24.173		
6,900.00	6,749.95	6,831.26	6,655.01	31.99	39.95	169.29	-568.97	-1,732.14	1,737.33	1,666.88	70.45	24.660		
6,950.00	6,779.98	6,858.02	6,681.74	32.08	40.03	166.38	-568.14	-1,732.86	1,777.96	1,707.37	70.59	25.186		
7,000.00	6,806.85	6,881.94	6,705.65	32.16	40.10	162.94	-567.36	-1,733.52	1,820.62	1,749.91	70.71	25.748		
7,050.00	6,830.38	6,902.65	6,726.34	32.24	40.16	158.64	-566.68	-1,734.10	1,865.02	1,794.21	70.80	26.341		
7,100.00	6,850.43	6,920.02	6,743.69	32.35	40.21	152.99	-566.10	-1,734.60	1,910.89	1,840.02	70.87	26.964		
7,150.00	6,866.88	6,933.97	6,757.62	32.59	40.26	145.16	-565.63	-1,735.01	1,957.96	1,887.05	70.91	27.611		
7,200.00	6,879.62	6,944.71	6,768.36	32.99	40.29	133.96	-565.26	-1,735.33	2,005.94	1,935.00	70.94	28.278		
7,250.00	6,888.58	6,953.13	6,776.77	33.48	40.31	118.11	-564.97	-1,735.58	2,054.53	1,983.59	70.95	28.959		
7,300.00	6,893.70	6,957.27	6,780.90	34.02	40.33	97.69	-564.83	-1,735.70	2,103.44	2,032.51	70.93	29.654		
7,339.40	6,895.01	6,957.45	6,781.08	34.48	40.33	80.89	-564.82	-1,735.71	2,142.03	2,071.11	70.91	30.207		
7,400.00	6,895.16	6,955.63	6,779.26	35.24	40.32	80.66	-564.88	-1,735.66	2,201.34	2,130.46	70.87	31.061		
7,500.00	6,895.43	6,952.58	6,776.21	36.64	40.31	80.27	-564.99	-1,735.57	2,299.36	2,228.54	70.81	32.470		
7,600.00	6,895.69	6,949.48	6,773.12	38.20	40.30	79.88	-565.10	-1,735.48	2,397.54	2,326.77	70.77	33.880		
7,700.00	6,895.95	6,946.33	6,769.97	39.91	40.29	79.48	-565.21	-1,735.38	2,495.86	2,425.13	70.72	35.290		
7,800.00	6,896.21	6,943.13	6,766.78	41.75	40.28	79.07	-565.31	-1,735.29	2,594.30	2,523.61	70.69	36.699		
7,900.00	6,896.47	6,940.62	6,764.27	43.69	40.28	78.76	-565.40	-1,735.21	2,692.86	2,622.20	70.66	38.108		
8,000.00	6,896.74	6,938.15	6,761.80	45.73	40.27	78.44	-565.48	-1,735.14	2,791.52	2,720.88	70.64	39.515		
8,100.00	6,897.00	6,935.70	6,759.35	47.85	40.26	78.13	-565.57	-1,735.07	2,890.27	2,819.64	70.63	40.923		
8,200.00	6,897.26	6,933.26	6,756.92	50.04	40.25	77.83	-565.65	-1,734.99	2,989.10	2,918.48	70.62	42.329		
8,300.00	6,897.52	6,930.84	6,754.50	52.30	40.25	77.52	-565.73	-1,734.92	3,088.00	3,017.39	70.61	43.735		
8,400.00	6,897.78	6,928.43	6,752.09	54.61	40.24	77.22	-565.81	-1,734.85	3,186.97	3,116.37	70.60	45.141		
8,500.00	6,898.05	6,926.04	6,749.70	56.98	40.23	76.92	-565.89	-1,734.78	3,286.00	3,215.40	70.60	46.545		
8,600.00	6,898.31	6,923.66	6,747.33	59.38	40.23	76.63	-565.97	-1,734.71	3,385.08	3,314.49	70.60	47.948		
8,700.00	6,898.57	6,921.30	6,744.96	61.82	40.22	76.33	-566.05	-1,734.64	3,484.22	3,413.62	70.60	49.351		
8,800.00	6,898.83	6,918.95	6,742.61	64.30	40.21	76.04	-566.13	-1,734.57	3,583.40	3,512.79	70.61	50.752		
8,900.00	6,899.10	6,916.61	6,740.28	66.81	40.20	75.75	-566.21	-1,734.50	3,682.62	3,612.01	70.61	52.152		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Boomerang 21-5 - WIEDEMAN #5-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,899.36	6,914.29	6,737.96	69.34	40.20	-75.46	-566.29	-1,734.44	3,781.89	3,711.26	70.62	53.550		
9,100.00	6,899.62	6,911.98	6,735.65	71.90	40.19	-75.18	-566.37	-1,734.37	3,881.19	3,810.55	70.63	54.948		
9,200.00	6,899.88	6,909.68	6,733.36	74.48	40.18	-74.90	-566.44	-1,734.30	3,980.52	3,909.87	70.65	56.344		
9,300.00	6,900.14	6,907.40	6,731.08	77.08	40.18	-74.62	-566.52	-1,734.24	4,079.88	4,009.22	70.66	57.738		
9,400.00	6,900.41	6,905.13	6,728.81	79.70	40.17	-74.34	-566.59	-1,734.17	4,179.28	4,108.60	70.68	59.131		
9,500.00	6,900.67	6,902.87	6,726.56	82.33	40.16	-74.06	-566.67	-1,734.11	4,278.70	4,208.00	70.70	60.523		
9,600.00	6,900.93	6,900.63	6,724.32	84.97	40.16	-73.79	-566.74	-1,734.04	4,378.14	4,307.43	70.72	61.912		
9,700.00	6,901.19	6,898.40	6,722.09	87.63	40.15	-73.52	-566.82	-1,733.98	4,477.61	4,406.88	70.74	63.300		
9,800.00	6,901.45	6,896.18	6,719.87	90.31	40.14	-73.25	-566.89	-1,733.92	4,577.10	4,506.34	70.76	64.686		
9,900.00	6,901.72	6,893.98	6,717.67	92.99	40.14	-72.98	-566.96	-1,733.86	4,676.61	4,605.83	70.78	66.070		
10,000.00	6,901.98	6,891.79	6,715.48	95.68	40.13	-72.72	-567.04	-1,733.79	4,776.14	4,705.34	70.81	67.453		
10,100.00	6,902.24	6,889.61	6,713.31	98.38	40.12	-72.45	-567.11	-1,733.73	4,875.69	4,804.86	70.83	68.833		
10,200.00	6,902.50	6,887.44	6,711.14	101.09	40.12	-72.19	-567.18	-1,733.67	4,975.26	4,904.40	70.86	70.211		
10,300.00	6,902.76	6,885.29	6,708.99	103.81	40.11	-71.94	-567.25	-1,733.61	5,074.84	5,003.95	70.89	71.588		
10,400.00	6,903.03	6,883.15	6,706.85	106.53	40.10	-71.68	-567.32	-1,733.55	5,174.43	5,103.51	70.92	72.962		
10,500.00	6,903.29	6,881.02	6,704.72	109.26	40.10	-71.43	-567.39	-1,733.49	5,274.04	5,203.09	70.95	74.333		
10,600.00	6,903.55	6,878.90	6,702.61	112.00	40.09	-71.17	-567.46	-1,733.43	5,373.67	5,302.69	70.98	75.703		
10,700.00	6,903.81	6,876.79	6,700.50	114.75	40.08	-70.92	-567.53	-1,733.37	5,473.31	5,402.29	71.02	77.070		
10,800.00	6,904.08	6,874.70	6,698.41	117.49	40.08	-70.68	-567.60	-1,733.32	5,572.95	5,501.90	71.05	78.435		
10,900.00	6,904.34	6,872.62	6,696.33	120.25	40.07	-70.43	-567.66	-1,733.26	5,672.62	5,601.53	71.09	79.797		
11,000.00	6,904.60	6,870.55	6,694.26	123.00	40.07	-70.19	-567.73	-1,733.20	5,772.29	5,701.16	71.13	81.157		
11,100.00	6,904.86	6,868.49	6,692.20	125.77	40.06	-69.95	-567.80	-1,733.15	5,871.97	5,800.80	71.16	82.514		
11,200.00	6,905.12	6,866.44	6,690.16	128.53	40.05	-69.71	-567.86	-1,733.09	5,971.66	5,900.46	71.20	83.869		
11,300.00	6,905.39	6,864.40	6,688.12	131.30	40.05	-69.47	-567.93	-1,733.03	6,071.36	6,000.12	71.24	85.221		
11,400.00	6,905.65	6,862.38	6,686.10	134.08	40.04	-69.23	-567.99	-1,732.98	6,171.07	6,099.79	71.28	86.570		
11,500.00	6,905.91	6,860.36	6,684.09	136.85	40.04	-69.00	-568.06	-1,732.92	6,270.79	6,199.46	71.33	87.917		
11,600.00	6,906.17	6,858.36	6,682.08	139.63	40.03	-68.77	-568.12	-1,732.87	6,370.51	6,299.14	71.37	89.261		
11,700.00	6,906.43	6,856.37	6,680.09	142.42	40.02	-68.54	-568.19	-1,732.82	6,470.25	6,398.83	71.41	90.602		
11,800.00	6,906.70	6,854.39	6,678.11	145.20	40.02	-68.31	-568.25	-1,732.76	6,569.99	6,498.53	71.46	91.940		
11,900.00	6,906.96	6,852.38	6,676.11	147.99	40.01	-68.08	-568.32	-1,732.71	6,669.74	6,598.23	71.51	93.275		
12,000.00	6,907.22	6,850.31	6,674.04	150.78	40.01	-67.84	-568.38	-1,732.65	6,769.49	6,697.94	71.55	94.608		
12,100.00	6,907.48	6,848.24	6,671.97	153.57	40.00	-67.61	-568.45	-1,732.60	6,869.25	6,797.65	71.60	95.937		
12,200.00	6,907.74	6,846.18	6,669.91	156.37	39.99	-67.37	-568.51	-1,732.54	6,969.02	6,897.37	71.65	97.264		
12,300.00	6,908.01	6,844.12	6,667.86	159.17	39.99	-67.14	-568.58	-1,732.49	7,068.79	6,997.09	71.70	98.588		
12,400.00	6,908.27	6,842.07	6,665.81	161.97	39.98	-66.91	-568.64	-1,732.43	7,168.57	7,096.82	71.75	99.908		
12,500.00	6,908.53	6,840.03	6,663.77	164.77	39.97	-66.68	-568.70	-1,732.38	7,268.36	7,196.55	71.80	101.225		
12,600.00	6,908.79	6,837.99	6,661.74	167.57	39.97	-66.45	-568.76	-1,732.32	7,368.15	7,296.29	71.86	102.540		
12,700.00	6,909.06	6,835.96	6,659.71	170.38	39.96	-66.22	-568.83	-1,732.27	7,467.94	7,396.03	71.91	103.850		
12,800.00	6,909.32	6,833.94	6,657.68	173.18	39.96	-66.00	-568.89	-1,732.21	7,567.74	7,495.77	71.97	105.158		
12,900.00	6,909.58	6,831.92	6,655.66	175.99	39.95	-65.77	-568.95	-1,732.16	7,667.54	7,595.52	72.02	106.462		
13,000.00	6,909.84	6,829.90	6,653.65	178.80	39.94	-65.55	-569.01	-1,732.11	7,767.35	7,695.27	72.08	107.763		
13,100.00	6,910.10	6,827.90	6,651.65	181.61	39.94	-65.33	-569.06	-1,732.05	7,867.16	7,795.03	72.14	109.061		
13,200.00	6,910.37	6,825.89	6,649.65	184.42	39.93	-65.11	-569.12	-1,732.00	7,966.98	7,894.79	72.19	110.355		
13,300.00	6,910.63	6,823.90	6,647.65	187.24	39.93	-64.89	-569.18	-1,731.95	8,066.80	7,994.55	72.25	111.646		
13,400.00	6,910.89	6,821.91	6,645.66	190.05	39.92	-64.67	-569.24	-1,731.90	8,166.63	8,094.31	72.31	112.933		
13,500.00	6,911.15	6,819.92	6,643.68	192.87	39.91	-64.46	-569.29	-1,731.84	8,266.45	8,194.08	72.38	114.217		
13,600.00	6,911.41	6,817.94	6,641.70	195.68	39.91	-64.24	-569.35	-1,731.79	8,366.29	8,293.85	72.44	115.497		
13,700.00	6,911.68	6,815.97	6,639.73	198.50	39.90	-64.03	-569.40	-1,731.74	8,466.12	8,393.62	72.50	116.774		
13,800.00	6,911.94	6,814.00	6,637.76	201.32	39.90	-63.82	-569.46	-1,731.69	8,565.96	8,493.39	72.56	118.047		
13,900.00	6,912.20	6,812.04	6,635.80	204.14	39.89	-63.61	-569.51	-1,731.64	8,665.80	8,593.17	72.63	119.316		
14,000.00	6,912.46	6,810.09	6,633.85	206.96	39.88	-63.40	-569.56	-1,731.59	8,765.64	8,692.95	72.69	120.582		
14,100.00	6,912.72	6,808.14	6,631.90	209.78	39.88	-63.19	-569.62	-1,731.53	8,865.49	8,792.73	72.76	121.844		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Boomerang 21-5 - WIEDEMAN #5-5 - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 16-MWD												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,912.99	6,806.19	6,629.96	212.61	39.87	-62.98	-569.67	-1,731.48	8,965.34	8,892.51	72.83	123.102	
14,300.00	6,913.25	6,804.25	6,628.02	215.43	39.87	-62.78	-569.72	-1,731.43	9,065.20	8,992.30	72.90	124.357	
14,400.00	6,913.51	6,802.32	6,626.09	218.26	39.86	-62.58	-569.77	-1,731.38	9,165.05	9,092.09	72.97	125.607	
14,500.00	6,913.77	6,800.39	6,624.16	221.08	39.85	-62.37	-569.82	-1,731.33	9,264.91	9,191.87	73.04	126.854	
14,600.00	6,914.04	6,798.47	6,622.24	223.91	39.85	-62.17	-569.87	-1,731.28	9,364.77	9,291.66	73.11	128.097	
14,700.00	6,914.30	6,796.55	6,620.32	226.73	39.84	-61.97	-569.92	-1,731.23	9,464.64	9,391.46	73.18	129.337	
14,800.00	6,914.56	6,794.64	6,618.41	229.56	39.84	-61.77	-569.97	-1,731.18	9,564.50	9,491.25	73.25	130.572	
14,900.00	6,914.82	6,792.73	6,616.51	232.39	39.83	-61.58	-570.02	-1,731.13	9,664.37	9,591.05	73.32	131.804	
15,000.00	6,915.08	6,790.83	6,614.61	235.22	39.83	-61.38	-570.06	-1,731.09	9,764.24	9,690.84	73.40	133.031	
15,100.00	6,915.35	6,788.94	6,612.72	238.05	39.82	-61.18	-570.11	-1,731.04	9,864.11	9,790.64	73.47	134.255	
15,200.00	6,915.61	6,787.05	6,610.83	240.88	39.81	-60.99	-570.16	-1,730.99	9,963.99	9,890.44	73.55	135.475	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-70.06	331.53	-913.62	972.61					
100.00	100.00	60.53	60.53	3.28	3.29	-70.05	331.57	-913.66	971.97	965.40	6.57	147.876		
200.00	200.00	155.27	155.27	3.34	3.34	-70.04	331.92	-914.07	972.49	965.81	6.68	145.567		
300.00	299.98	269.94	269.94	3.44	3.47	93.08	331.23	-914.49	972.74	965.83	6.91	140.772		
400.00	399.84	478.80	477.93	3.59	3.87	93.13	316.10	-908.06	968.67	961.11	7.56	128.163		
500.00	499.45	596.65	593.91	3.79	4.21	93.19	298.10	-897.52	955.34	947.24	8.09	118.041		
600.00	598.70	692.69	688.47	4.04	4.55	93.52	283.67	-888.84	942.35	933.74	8.62	109.344		
660.50	658.52	750.03	744.97	4.20	4.77	93.82	275.30	-883.74	934.78	925.81	8.97	104.221		
700.00	697.51	788.66	783.04	4.31	4.93	93.95	269.70	-880.37	929.94	920.73	9.22	100.908		
800.00	796.22	891.22	884.04	4.63	5.36	94.28	254.34	-871.42	917.54	907.63	9.91	92.601		
900.00	894.93	1,034.35	1,023.81	4.98	6.06	94.43	227.18	-857.11	902.51	891.63	10.88	82.961		
1,000.00	993.64	1,172.72	1,157.11	5.34	6.86	94.32	194.97	-838.78	882.89	871.00	11.90	74.222		
1,100.00	1,092.35	1,280.99	1,260.35	5.73	7.56	94.06	166.66	-822.56	860.62	847.80	12.82	67.138		
1,200.00	1,191.06	1,385.26	1,359.29	6.13	8.28	93.74	138.22	-806.01	837.10	823.34	13.76	60.837		
1,300.00	1,289.78	1,482.32	1,451.39	6.54	8.97	93.46	112.06	-790.09	813.23	798.54	14.69	55.358		
1,400.00	1,388.49	1,584.23	1,548.21	6.95	9.71	93.21	85.27	-772.99	789.27	773.61	15.66	50.388		
1,500.00	1,487.20	1,676.01	1,635.36	7.38	10.38	92.96	61.06	-757.42	765.12	748.50	16.61	46.059		
1,600.00	1,585.91	1,778.36	1,732.69	7.81	11.14	92.70	34.51	-740.12	741.19	723.57	17.62	42.066		
1,700.00	1,684.62	1,867.02	1,817.17	8.25	11.80	92.53	12.34	-724.95	717.39	698.81	18.58	38.617		
1,800.00	1,783.33	1,962.22	1,908.24	8.70	12.49	92.43	-10.28	-708.90	694.26	674.70	19.56	35.497		
1,900.00	1,882.04	2,052.99	1,994.96	9.15	13.16	92.21	-32.98	-694.58	671.73	651.18	20.55	32.681		
2,000.00	1,980.75	2,139.64	2,077.73	9.60	13.80	91.86	-55.58	-682.52	650.62	629.05	21.57	30.165		
2,100.00	2,079.46	2,240.01	2,173.77	10.05	14.53	91.43	-81.48	-669.17	630.20	607.56	22.64	27.831		
2,200.00	2,178.17	2,344.55	2,273.78	10.51	15.31	91.06	-107.81	-653.86	608.73	585.01	23.73	25.656		
2,300.00	2,276.88	2,441.38	2,366.41	10.97	16.03	90.71	-131.99	-639.33	587.03	562.24	24.79	23.678		
2,400.00	2,375.59	2,538.12	2,458.92	11.43	16.75	90.31	-156.41	-625.02	565.46	539.59	25.87	21.857		
2,500.00	2,474.31	2,635.16	2,551.70	11.89	17.48	89.86	-181.00	-610.84	544.07	517.10	26.97	20.173		
2,600.00	2,573.02	2,737.85	2,649.24	12.36	18.28	89.03	-209.68	-596.32	522.42	494.28	28.14	18.566		
2,700.00	2,671.73	2,838.02	2,744.13	12.82	19.08	88.14	-237.99	-581.28	499.93	470.61	29.32	17.049		
2,800.00	2,770.44	2,924.42	2,826.60	13.29	19.73	87.55	-260.35	-568.50	478.40	447.94	30.46	15.704		
2,900.00	2,869.15	3,022.31	2,920.10	13.76	20.47	86.73	-286.08	-555.21	458.01	426.37	31.64	14.476		
3,000.00	2,967.86	3,119.46	3,012.64	14.23	21.22	85.70	-312.69	-542.31	437.75	404.88	32.86	13.321		
3,100.00	3,066.57	3,216.00	3,105.31	14.70	21.97	84.50	-339.88	-528.02	417.86	383.06	34.11	12.240		
3,200.00	3,165.28	3,312.00	3,201.31	15.17	22.72	83.10	-367.00	-513.02	398.46	361.30	35.37	11.209		
3,300.00	3,263.99	3,408.00	3,297.31	15.64	23.47	81.50	-394.12	-497.02	379.06	339.54	36.63	10.228		
3,400.00	3,362.70	3,504.00	3,393.01	16.11	24.22	79.80	-421.24	-481.02	359.66	317.72	37.89	9.287		
3,500.00	3,461.41	3,600.00	3,488.51	16.59	24.97	77.90	-448.36	-465.02	340.26	295.90	39.15	8.386		
3,600.00	3,560.12	3,696.00	3,583.61	17.06	25.72	75.90	-475.48	-449.02	320.86	274.08	40.41	7.525		
3,700.00	3,658.84	3,792.00	3,680.31	17.53	26.47	73.80	-502.60	-433.02	301.46	252.26	41.67	6.704		
3,800.00	3,757.55	3,888.00	3,776.01	18.01	27.22	71.60	-529.72	-417.02	282.06	230.44	42.93	5.923		
3,900.00	3,856.26	3,984.00	3,872.51	18.48	27.97	69.30	-556.84	-401.02	262.66	208.62	44.19	5.182		
4,000.00	3,954.97	4,080.00	3,960.01	18.96	28.72	66.90	-583.96	-385.02	243.26	186.80	45.45	4.521		
4,100.00	4,053.68	4,176.00	4,048.51	19.44	29.47	64.40	-611.08	-369.02	223.86	164.98	46.71	3.940		
4,200.00	4,152.39	4,272.00	4,140.01	19.91	30.22	61.90	-638.20	-353.02	204.46	143.16	47.97	3.449		
4,300.00	4,251.10	4,368.00	4,232.51	20.39	30.97	59.40	-665.32	-337.02	185.06	121.34	49.23	2.968		
4,400.00	4,349.81	4,464.00	4,324.01	20.87	31.72	56.90	-692.44	-321.02	165.66	99.52	50.49	2.587		
4,500.00	4,448.52	4,560.00	4,416.01	21.34	32.47	54.40	-719.56	-305.02	146.26	77.70	51.75	2.246		
4,600.00	4,547.23	4,656.00	4,504.01	21.82	33.22	51.90	-746.68	-289.02	126.86	55.88	53.01	1.905		
4,700.00	4,645.94	4,752.00	4,600.01	22.30	33.97	49.40	-773.80	-273.02	107.46	34.06	54.27	1.614		
4,742.60	4,687.99	4,926.26	4,648.72	22.50	31.17	84.47	-630.94	-345.67	147.40	97.43	49.97	2.950 CC, ES		
4,800.00	4,744.65	4,982.53	4,704.97	22.78	31.31	88.09	-630.39	-346.52	147.78	97.96	49.81	2.967		
4,900.00	4,843.37	5,080.66	4,803.09	23.26	31.55	94.40	-629.14	-348.08	150.08	100.56	49.51	3.031		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	4,942.08	5,177.65	4,900.04	23.74	31.78	100.46	-627.34	-350.27	155.04	105.83	49.20	3.151		
5,100.00	5,040.79	5,276.97	4,999.30	24.21	32.03	106.22	-625.36	-352.78	162.01	112.89	49.12	3.298		
5,200.00	5,139.50	5,377.42	5,099.73	24.69	32.29	111.22	-624.79	-354.94	169.30	120.00	49.30	3.434		
5,300.00	5,238.21	5,475.39	5,197.68	25.17	32.56	115.59	-624.71	-356.96	177.37	127.82	49.54	3.580		
5,400.00	5,336.92	5,573.19	5,295.45	25.65	32.82	119.88	-623.28	-358.74	187.23	137.36	49.86	3.755		
5,500.00	5,435.63	5,671.64	5,393.87	26.13	33.08	124.09	-621.05	-359.73	198.19	147.87	50.32	3.939		
5,600.00	5,534.34	5,769.12	5,491.31	26.61	33.34	127.95	-618.39	-360.41	210.30	159.45	50.85	4.136		
5,700.00	5,633.05	5,869.92	5,592.08	27.09	33.61	131.24	-616.37	-361.81	223.02	171.39	51.64	4.319		
5,800.00	5,731.76	5,975.97	5,698.12	27.57	33.95	134.25	-616.51	-362.36	234.12	181.42	52.69	4.443		
5,900.00	5,830.47	6,078.39	5,800.50	28.05	34.32	137.09	-618.77	-360.86	242.99	189.34	53.65	4.529		
6,000.00	5,929.18	6,172.74	5,894.83	28.53	34.65	139.51	-620.30	-359.75	253.05	198.67	54.38	4.653		
6,100.00	6,027.90	6,269.08	5,991.17	29.01	34.98	141.74	-620.52	-359.43	265.15	209.95	55.20	4.804		
6,200.00	6,126.61	6,366.01	6,088.10	29.49	35.29	143.76	-620.43	-359.32	278.00	221.96	56.05	4.960		
6,300.00	6,225.32	6,459.68	6,181.76	29.97	35.57	145.39	-619.47	-360.33	292.41	235.63	56.77	5.151		
6,311.21	6,236.38	6,470.06	6,192.14	30.03	35.60	145.56	-619.27	-360.51	294.15	237.30	56.85	5.174		
6,350.00	6,274.70	6,506.30	6,228.36	30.21	35.70	146.47	-618.42	-361.22	300.73	243.62	57.11	5.266		
6,400.00	6,324.03	6,553.38	6,275.40	30.43	35.83	-165.23	-617.08	-362.36	310.51	253.08	57.43	5.407		
6,450.00	6,373.00	6,600.06	6,322.04	30.65	35.96	-148.23	-615.52	-363.74	321.68	263.97	57.71	5.574		
6,500.00	6,421.31	6,646.12	6,368.04	30.84	36.09	-138.35	-613.81	-365.29	334.30	276.32	57.97	5.766		
6,550.00	6,468.66	6,692.35	6,414.21	31.03	36.22	-132.64	-611.93	-366.94	348.46	290.19	58.27	5.980		
6,600.00	6,514.76	6,739.38	6,461.17	31.20	36.35	-129.33	-609.97	-368.12	364.07	305.42	58.66	6.207		
6,650.00	6,559.32	6,787.07	6,508.82	31.37	36.48	-127.50	-608.06	-368.72	381.20	322.07	59.13	6.447		
6,700.00	6,602.08	6,834.78	6,556.51	31.52	36.63	-126.67	-606.72	-369.07	399.79	340.12	59.66	6.701		
6,750.00	6,642.77	6,878.85	6,600.58	31.65	36.76	-126.26	-606.04	-369.31	420.15	359.98	60.17	6.982		
6,800.00	6,681.13	6,919.37	6,641.09	31.78	36.89	-126.02	-605.86	-369.74	442.74	382.07	60.68	7.296		
6,850.00	6,716.93	6,954.74	6,676.46	31.89	37.00	-125.57	-606.02	-370.30	467.84	406.68	61.16	7.650		
6,900.00	6,749.95	6,984.24	6,705.95	31.99	37.10	-124.64	-606.14	-370.94	495.78	434.19	61.59	8.050		
6,950.00	6,779.98	7,010.56	6,732.26	32.08	37.18	-123.29	-606.18	-371.65	526.55	464.52	62.03	8.489		
7,000.00	6,806.85	7,033.52	6,755.21	32.16	37.26	-121.38	-606.16	-372.38	559.97	497.51	62.47	8.964		
7,050.00	6,830.38	7,052.94	6,774.62	32.24	37.31	-118.75	-606.08	-373.06	595.83	532.95	62.88	9.475		
7,100.00	6,850.43	7,069.03	6,790.70	32.35	37.36	-115.30	-605.96	-373.66	633.85	570.57	63.28	10.016		
7,150.00	6,866.88	7,081.74	6,803.40	32.59	37.40	-110.89	-605.84	-374.16	673.70	610.05	63.66	10.584		
7,200.00	6,879.62	7,091.07	6,812.71	32.99	37.43	-105.41	-605.72	-374.54	715.07	651.07	64.00	11.173		
7,250.00	6,888.58	7,097.00	6,818.64	33.48	37.45	-98.86	-605.64	-374.79	757.61	693.30	64.31	11.781		
7,300.00	6,893.70	7,099.56	6,821.20	34.02	37.46	-91.34	-605.61	-374.90	800.98	736.39	64.59	12.402		
7,339.40	6,895.01	7,099.24	6,820.88	34.48	37.46	-84.93	-605.61	-374.89	835.52	770.73	64.78	12.897		
7,400.00	6,895.16	7,097.19	6,818.83	35.24	37.45	-84.64	-605.64	-374.80	889.25	824.19	65.06	13.668		
7,500.00	6,895.43	7,093.87	6,815.51	36.64	37.44	-84.16	-605.69	-374.66	979.66	914.21	65.45	14.967		
7,600.00	6,895.69	7,090.62	6,812.27	38.20	37.43	-83.70	-605.73	-374.53	1,071.77	1,005.98	65.79	16.291		
7,700.00	6,895.95	7,087.44	6,809.10	39.91	37.42	-83.24	-605.77	-374.39	1,165.16	1,099.09	66.07	17.635		
7,800.00	6,896.21	7,084.34	6,805.99	41.75	37.41	-82.80	-605.81	-374.27	1,259.57	1,193.25	66.31	18.994		
7,900.00	6,896.47	7,081.30	6,802.95	43.69	37.40	-82.37	-605.84	-374.14	1,354.76	1,288.24	66.52	20.365		
8,000.00	6,896.74	7,078.32	6,799.98	45.73	37.39	-81.95	-605.87	-374.03	1,450.60	1,383.89	66.71	21.746		
8,100.00	6,897.00	7,075.41	6,797.07	47.85	37.38	-81.54	-605.90	-373.91	1,546.96	1,480.09	66.87	23.135		
8,200.00	6,897.26	7,072.56	6,794.23	50.04	37.37	-81.13	-605.93	-373.80	1,643.74	1,576.73	67.01	24.530		
8,300.00	6,897.52	7,069.77	6,791.44	52.30	37.37	-80.74	-605.96	-373.69	1,740.88	1,673.74	67.14	25.930		
8,400.00	6,897.78	7,067.03	6,788.70	54.61	37.36	-80.35	-605.98	-373.58	1,838.33	1,771.07	67.25	27.334		
8,500.00	6,898.05	7,064.36	6,786.03	56.98	37.35	-79.98	-606.00	-373.48	1,936.03	1,868.67	67.36	28.741		
8,600.00	6,898.31	7,061.73	6,783.40	59.38	37.34	-79.61	-606.02	-373.38	2,033.94	1,966.49	67.46	30.151		
8,700.00	6,898.57	7,059.16	6,780.83	61.82	37.33	-79.25	-606.04	-373.29	2,132.05	2,064.50	67.55	31.563		
8,800.00	6,898.83	7,056.64	6,778.31	64.30	37.33	-78.90	-606.06	-373.19	2,230.32	2,162.69	67.63	32.977		
8,900.00	6,899.10	7,054.17	6,775.84	66.81	37.32	-78.56	-606.07	-373.10	2,328.74	2,261.03	67.71	34.392		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	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	6,899.36	7,051.74	6,773.42	69.34	37.31	-78.22	-606.09	-373.01	2,427.28	2,359.49	67.79	35.807		
9,100.00	6,899.62	7,049.36	6,771.04	71.90	37.30	-77.89	-606.10	-372.93	2,525.93	2,458.07	67.86	37.223		
9,200.00	6,899.88	7,047.03	6,768.71	74.48	37.30	-77.57	-606.11	-372.85	2,624.68	2,556.76	67.93	38.640		
9,300.00	6,900.14	7,044.74	6,766.43	77.08	37.29	-77.25	-606.12	-372.76	2,723.52	2,655.53	67.99	40.056		
9,400.00	6,900.41	7,042.49	6,764.18	79.70	37.28	-76.94	-606.13	-372.69	2,822.44	2,754.39	68.06	41.473		
9,500.00	6,900.67	7,040.29	6,761.98	82.33	37.28	-76.64	-606.14	-372.61	2,921.43	2,853.31	68.12	42.888		
9,600.00	6,900.93	7,038.13	6,759.81	84.97	37.27	-76.35	-606.15	-372.53	3,020.49	2,952.31	68.18	44.304		
9,700.00	6,901.19	7,029.00	6,750.69	87.63	37.24	-75.11	-606.17	-372.23	3,119.61	3,051.41	68.20	45.742		
9,800.00	6,901.45	7,029.00	6,750.69	90.31	37.24	-75.11	-606.17	-372.23	3,218.77	3,150.50	68.27	47.149		
9,900.00	6,901.72	7,029.00	6,750.69	92.99	37.24	-75.11	-606.17	-372.23	3,317.98	3,249.64	68.34	48.554		
10,000.00	6,901.98	7,029.00	6,750.69	95.68	37.24	-75.11	-606.17	-372.23	3,417.24	3,348.83	68.40	49.959		
10,100.00	6,902.24	7,029.00	6,750.69	98.38	37.24	-75.11	-606.17	-372.23	3,516.53	3,448.07	68.47	51.362		
10,200.00	6,902.50	7,029.00	6,750.69	101.09	37.24	-75.11	-606.17	-372.23	3,615.87	3,547.34	68.53	52.763		
10,300.00	6,902.76	7,029.00	6,750.69	103.81	37.24	-75.11	-606.17	-372.23	3,715.24	3,646.65	68.59	54.163		
10,400.00	6,903.03	7,029.00	6,750.69	106.53	37.24	-75.11	-606.17	-372.23	3,814.65	3,745.99	68.66	55.562		
10,500.00	6,903.29	7,029.00	6,750.69	109.26	37.24	-75.11	-606.17	-372.23	3,914.08	3,845.36	68.72	56.959		
10,600.00	6,903.55	7,029.00	6,750.69	112.00	37.24	-75.11	-606.17	-372.23	4,013.55	3,944.77	68.78	58.354		
10,700.00	6,903.81	7,029.00	6,750.69	114.75	37.24	-75.11	-606.17	-372.23	4,113.04	4,044.19	68.84	59.747		
10,800.00	6,904.08	7,029.00	6,750.69	117.49	37.24	-75.11	-606.17	-372.23	4,212.55	4,143.65	68.90	61.137		
10,900.00	6,904.34	7,029.00	6,750.69	120.25	37.24	-75.11	-606.17	-372.23	4,312.09	4,243.12	68.96	62.526		
11,000.00	6,904.60	7,029.00	6,750.69	123.00	37.24	-75.11	-606.17	-372.23	4,411.64	4,342.62	69.03	63.913		
11,100.00	6,904.86	7,012.03	6,733.73	125.77	37.19	-72.84	-606.18	-371.69	4,511.16	4,442.14	69.01	65.366		
11,200.00	6,905.12	7,010.61	6,732.31	128.53	37.18	-72.65	-606.18	-371.65	4,610.74	4,541.67	69.07	66.755		
11,300.00	6,905.39	7,009.22	6,730.92	131.30	37.18	-72.47	-606.18	-371.61	4,710.35	4,641.22	69.13	68.141		
11,400.00	6,905.65	7,007.86	6,729.56	134.08	37.17	-72.29	-606.18	-371.57	4,809.96	4,740.78	69.18	69.524		
11,500.00	6,905.91	7,006.52	6,728.22	136.85	37.17	-72.12	-606.17	-371.53	4,909.60	4,840.36	69.24	70.906		
11,600.00	6,906.17	7,005.21	6,726.91	139.63	37.17	-71.94	-606.17	-371.49	5,009.24	4,939.94	69.30	72.284		
11,700.00	6,906.43	7,003.92	6,725.63	142.42	37.16	-71.78	-606.17	-371.46	5,108.90	5,039.55	69.36	73.660		
11,800.00	6,906.70	7,002.66	6,724.37	145.20	37.16	-71.61	-606.17	-371.42	5,208.57	5,139.16	69.42	75.033		
11,900.00	6,906.96	7,001.42	6,723.13	147.99	37.15	-71.45	-606.17	-371.39	5,308.26	5,238.78	69.48	76.404		
12,000.00	6,907.22	7,000.21	6,721.91	150.78	37.15	-71.29	-606.17	-371.35	5,407.95	5,338.42	69.54	77.772		
12,100.00	6,907.48	6,999.01	6,720.72	153.57	37.15	-71.14	-606.17	-371.32	5,507.66	5,438.06	69.60	79.136		
12,200.00	6,907.74	6,997.84	6,719.55	156.37	37.14	-70.99	-606.16	-371.29	5,607.37	5,537.72	69.66	80.498		
12,300.00	6,908.01	6,996.69	6,718.40	159.17	37.14	-70.84	-606.16	-371.26	5,707.10	5,637.38	69.72	81.857		
12,400.00	6,908.27	6,995.56	6,717.27	161.97	37.13	-70.69	-606.16	-371.23	5,806.83	5,737.05	69.78	83.213		
12,500.00	6,908.53	6,994.45	6,716.16	164.77	37.13	-70.55	-606.16	-371.20	5,906.58	5,836.73	69.85	84.565		
12,600.00	6,908.79	6,993.36	6,715.07	167.57	37.13	-70.41	-606.16	-371.17	6,006.33	5,936.42	69.91	85.915		
12,700.00	6,909.06	6,992.29	6,714.00	170.38	37.12	-70.27	-606.16	-371.14	6,106.08	6,036.11	69.97	87.261		
12,800.00	6,909.32	6,991.24	6,712.95	173.18	37.12	-70.14	-606.15	-371.11	6,205.85	6,135.81	70.04	88.604		
12,900.00	6,909.58	6,990.21	6,711.92	175.99	37.12	-70.01	-606.15	-371.09	6,305.62	6,235.52	70.11	89.944		
13,000.00	6,909.84	6,989.19	6,710.90	178.80	37.11	-69.88	-606.15	-371.06	6,405.40	6,335.23	70.17	91.281		
13,100.00	6,910.10	6,988.19	6,709.90	181.61	37.11	-69.75	-606.15	-371.03	6,505.19	6,434.95	70.24	92.614		
13,200.00	6,910.37	6,987.21	6,708.92	184.42	37.11	-69.63	-606.14	-371.01	6,604.98	6,534.67	70.31	93.944		
13,300.00	6,910.63	6,986.24	6,707.95	187.24	37.10	-69.50	-606.14	-370.99	6,704.78	6,634.40	70.38	95.270		
13,400.00	6,910.89	6,985.29	6,707.00	190.05	37.10	-69.38	-606.14	-370.96	6,804.58	6,734.14	70.45	96.593		
13,500.00	6,911.15	6,984.36	6,706.07	192.87	37.10	-69.26	-606.14	-370.94	6,904.39	6,833.87	70.52	97.912		
13,600.00	6,911.41	6,983.44	6,705.15	195.68	37.10	-69.15	-606.13	-370.92	7,004.20	6,933.62	70.59	99.228		
13,700.00	6,911.68	6,982.53	6,704.24	198.50	37.09	-69.03	-606.13	-370.89	7,104.02	7,033.37	70.66	100.540		
13,800.00	6,911.94	6,981.64	6,703.35	201.32	37.09	-68.92	-606.13	-370.87	7,203.85	7,133.12	70.73	101.848		
13,900.00	6,912.20	6,980.76	6,702.48	204.14	37.09	-68.81	-606.13	-370.85	7,303.68	7,232.87	70.80	103.153		
14,000.00	6,912.46	6,979.90	6,701.61	206.96	37.08	-68.70	-606.12	-370.83	7,403.51	7,332.63	70.88	104.454		
14,100.00	6,912.72	6,979.05	6,700.76	209.78	37.08	-68.60	-606.12	-370.81	7,503.35	7,432.39	70.95	105.752		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 28N-3A-L
<b>Project:</b>	SEC 5-T5N-R66W	<b>TVD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 28N-3A-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 ft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,912.99	6,978.21	6,699.93	212.61	37.08	-68.49	-606.12	-370.79	7,603.19	7,532.16	71.03	107.045		
14,300.00	6,913.25	6,977.39	6,699.10	215.43	37.08	-68.39	-606.12	-370.77	7,703.03	7,631.93	71.10	108.335		
14,400.00	6,913.51	6,976.58	6,698.29	218.26	37.07	-68.29	-606.11	-370.75	7,802.88	7,731.70	71.18	109.621		
14,500.00	6,913.77	6,975.78	6,697.49	221.08	37.07	-68.19	-606.11	-370.74	7,902.73	7,831.47	71.26	110.903		
14,600.00	6,914.04	6,974.99	6,696.71	223.91	37.07	-68.09	-606.11	-370.72	8,002.59	7,931.25	71.34	112.181		
14,700.00	6,914.30	6,974.22	6,695.93	226.73	37.07	-68.00	-606.11	-370.70	8,102.45	8,031.03	71.42	113.456		
14,800.00	6,914.56	6,973.45	6,695.17	229.56	37.06	-67.90	-606.10	-370.68	8,202.31	8,130.81	71.49	114.726		
14,900.00	6,914.82	6,972.70	6,694.41	232.39	37.06	-67.81	-606.10	-370.67	8,302.18	8,230.60	71.57	115.993		
15,000.00	6,915.08	6,971.96	6,693.67	235.22	37.06	-67.72	-606.10	-370.65	8,402.04	8,330.39	71.66	117.255		
15,100.00	6,915.35	6,971.23	6,692.94	238.05	37.06	-67.63	-606.09	-370.63	8,501.91	8,430.18	71.74	118.514		
15,200.00	6,915.61	6,970.50	6,692.22	240.88	37.05	-67.54	-606.09	-370.62	8,601.79	8,529.97	71.82	119.768		
15,300.00	6,915.87	6,969.79	6,691.51	243.71	37.05	-67.45	-606.09	-370.60	8,701.67	8,629.76	71.90	121.019		
15,400.00	6,916.13	6,969.09	6,690.81	246.54	37.05	-67.36	-606.09	-370.59	8,801.55	8,729.56	71.99	122.265		
15,500.00	6,916.39	6,968.40	6,690.12	249.37	37.05	-67.28	-606.08	-370.57	8,901.43	8,829.36	72.07	123.507		
15,600.00	6,916.66	6,967.72	6,689.44	252.20	37.05	-67.19	-606.08	-370.56	9,001.31	8,929.16	72.16	124.745		
15,700.00	6,916.92	6,967.05	6,688.77	255.03	37.04	-67.11	-606.08	-370.54	9,101.20	9,028.96	72.24	125.980		
15,800.00	6,917.18	6,966.39	6,688.11	257.87	37.04	-67.03	-606.07	-370.53	9,201.09	9,128.76	72.33	127.209		
15,900.00	6,917.44	6,941.00	6,662.72	260.70	36.96	-64.00	-605.94	-370.06	9,301.07	9,228.74	72.33	128.586		
16,000.00	6,917.70	6,941.00	6,662.72	263.53	36.96	-64.00	-605.94	-370.06	9,400.96	9,328.54	72.42	129.804		
16,100.00	6,917.97	6,941.00	6,662.72	266.37	36.96	-64.00	-605.94	-370.06	9,500.85	9,428.34	72.52	131.019		
16,200.00	6,918.23	6,941.00	6,662.72	269.20	36.96	-64.00	-605.94	-370.06	9,600.75	9,528.14	72.61	132.229		
16,300.00	6,918.49	6,941.00	6,662.72	272.04	36.96	-64.00	-605.94	-370.06	9,700.64	9,627.94	72.70	133.435		
16,400.00	6,918.75	6,941.00	6,662.72	274.87	36.96	-64.00	-605.94	-370.06	9,800.54	9,727.75	72.79	134.636		
16,500.00	6,919.02	6,941.00	6,662.72	277.71	36.96	-64.00	-605.94	-370.06	9,900.44	9,827.55	72.89	135.834		

**Company:** Synergy Resources Corporation  
**Project:** SEC 5-T5N-R66W  
**Reference Site:** Boomerang 21-5  
**Site Error:** 3.28 ft  
**Reference Well:** Boomerang 28N-3A-L  
**Well Error:** 3.28 ft  
**Reference Wellbore:** OH  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Boomerang 28N-3A-L  
**TVD Reference:** GL 4770+KB 20 @ 4790.00ft  
**MD Reference:** GL 4770+KB 20 @ 4790.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.45 sigma  
**Database:** EDM 5000.14 Single User Db  
**Offset TVD Reference:** Offset Datum

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

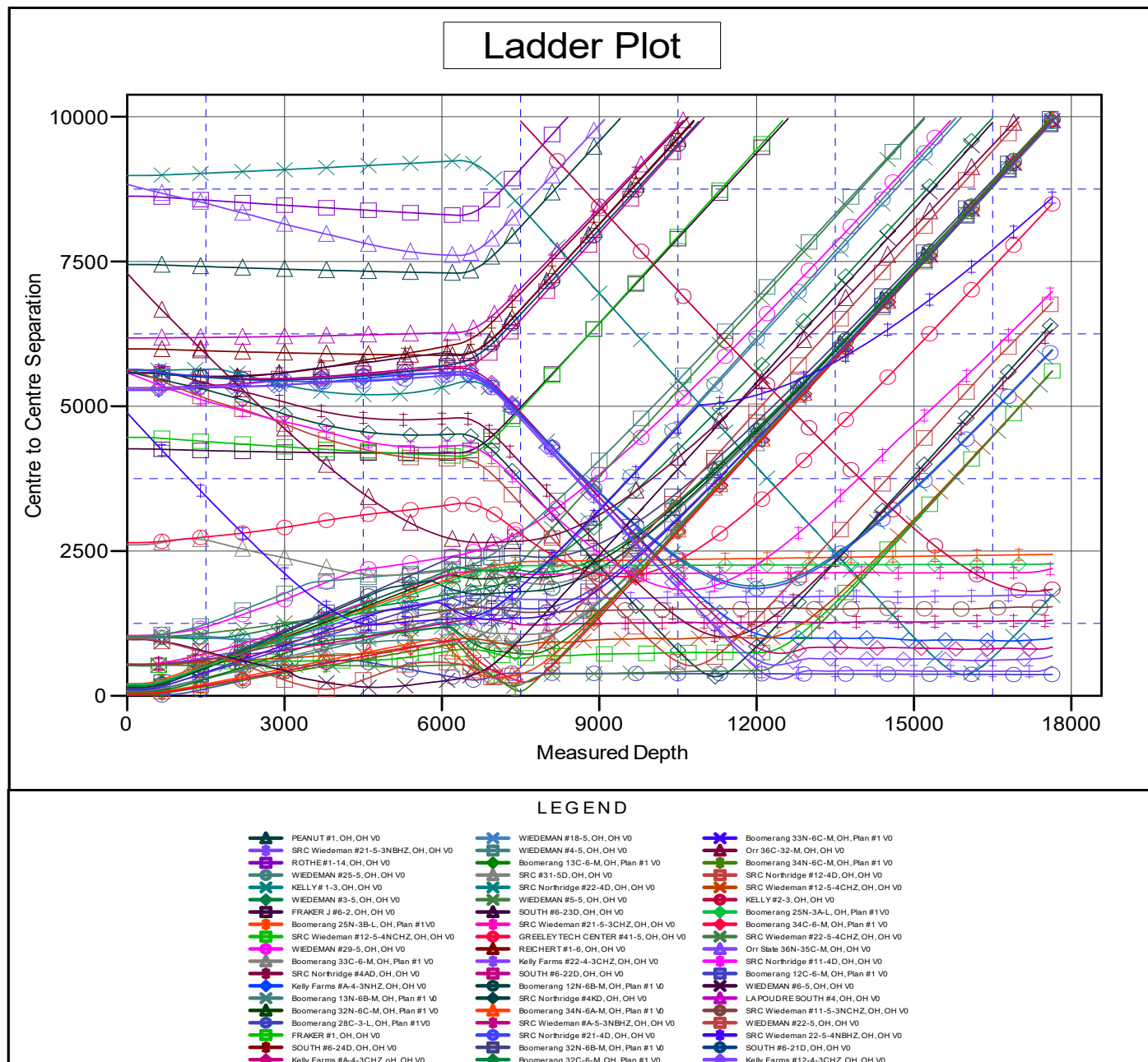
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 28N-3A-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°



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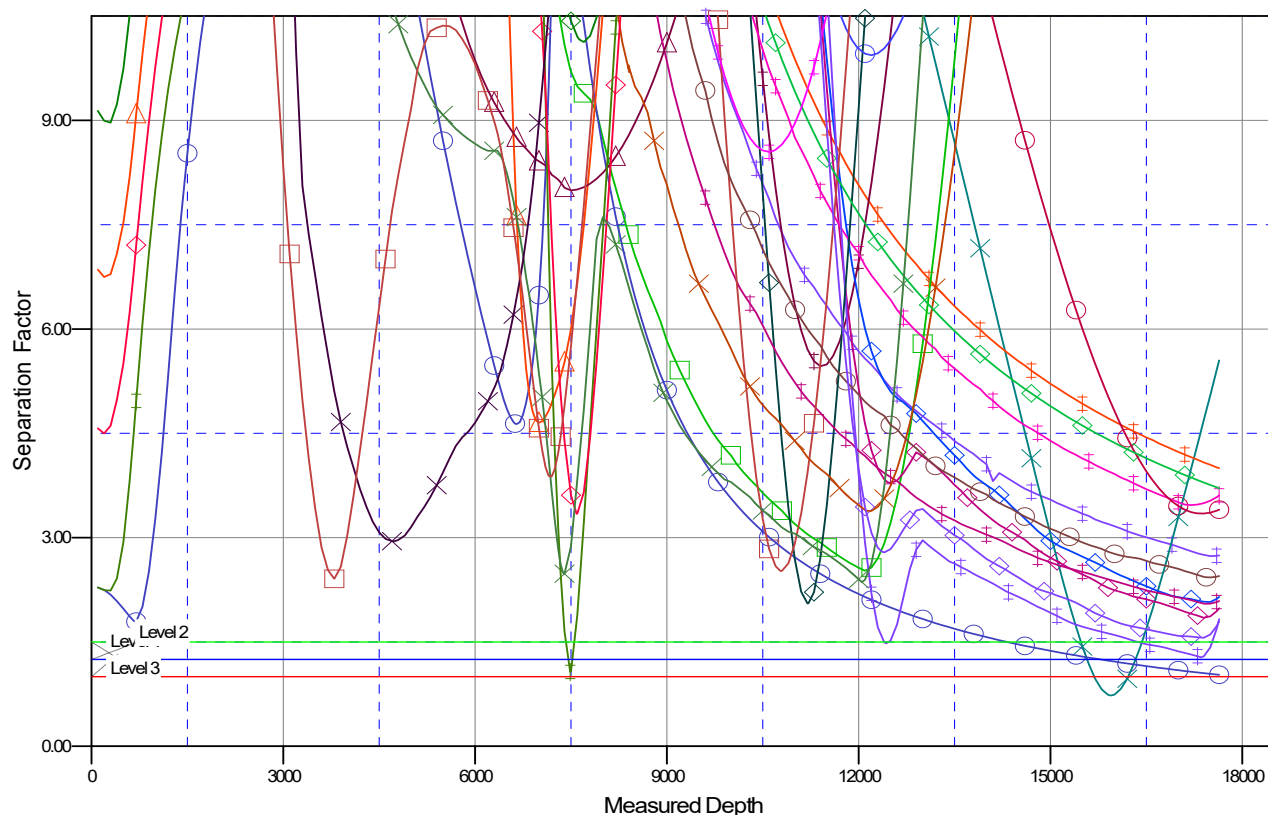
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 28N-3A-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

## Separation Factor Plot



### LEGEND

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