



# **Synergy Resources Corporation**

**SEC 5-T5N-R66W**

**Boomerang 21-5**

**Boomerang 13N-6B-M**

**OH**

**Plan #1**

## **Anticollision Report**

**05 April, 2017**

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	15,460.11	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	45.02	38.35	6.746	CC
Boomerang 12C-6-M - OH - Plan #1	300.00	299.98	45.16	38.27	6.557	ES
Boomerang 12C-6-M - OH - Plan #1	15,460.11	15,703.90	629.16	152.54	1.320	Level 3, SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	15,460.11	15,618.10	821.91	324.62	1.653	SF
Boomerang 13C-6-M - OH - Plan #1	274.24	274.23	14.97	8.15	2.194	CC
Boomerang 13C-6-M - OH - Plan #1	15,460.74	15,687.12	253.30	-104.43	0.708	Level 1, ES, SF
Boomerang 25N-3A-L - OH - Plan #1	200.00	200.00	120.20	113.53	18.010	CC
Boomerang 25N-3A-L - OH - Plan #1	300.00	299.98	120.30	113.41	17.468	ES
Boomerang 25N-3A-L - OH - Plan #1	500.00	491.03	128.61	120.99	16.884	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	135.09	128.42	20.241	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	400.00	390.56	142.29	135.07	19.708	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	90.04	83.36	13.491	CC, ES
Boomerang 28C-3-L - OH - Plan #1	300.00	296.92	91.63	84.74	13.302	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	75.03	68.36	11.242	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	300.00	297.43	76.62	69.73	11.122	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	90.06	83.39	13.494	CC, ES
Boomerang 32C-6-M - OH - Plan #1	15,460.74	15,846.35	1,241.57	749.11	2.521	SF
Boomerang 32N-6B-M - OH - Plan #1	200.00	200.00	105.06	98.39	15.742	CC
Boomerang 32N-6B-M - OH - Plan #1	300.00	299.98	105.18	98.29	15.272	ES
Boomerang 32N-6B-M - OH - Plan #1	15,460.74	15,738.53	1,426.30	927.63	2.860	SF
Boomerang 32N-6C-M - OH - Plan #1	200.00	200.00	75.06	68.38	11.246	CC
Boomerang 32N-6C-M - OH - Plan #1	300.00	299.98	75.18	68.29	10.916	ES
Boomerang 32N-6C-M - OH - Plan #1	15,460.11	15,706.13	1,044.30	548.29	2.105	SF
Boomerang 33C-6-M - OH - Plan #1	200.00	200.00	15.03	8.36	2.252	CC
Boomerang 33C-6-M - OH - Plan #1	15,460.11	15,648.52	246.68	-104.80	0.702	Level 1, ES, SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	30.03	23.36	4.499	CC
Boomerang 33N-6C-M - OH - Plan #1	15,454.45	15,597.09	387.66	-136.09	0.740	Level 1, ES, SF
Boomerang 34C-6-M - OH - Plan #1	308.84	308.81	44.92	38.01	6.500	CC, ES
Boomerang 34C-6-M - OH - Plan #1	15,460.74	15,645.16	615.19	145.35	1.309	Level 3, SF
Boomerang 34N-6A-M - OH - Plan #1	304.99	304.97	29.94	23.04	4.339	CC
Boomerang 34N-6A-M - OH - Plan #1	15,460.74	15,335.52	398.70	-77.32	0.838	Level 1, ES, SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	15,460.74	15,509.12	939.69	451.62	1.925	SF
FRAKER #1 - OH - OH	11,975.67	6,921.81	445.49	56.37	1.145	Level 2, CC, ES, SF
FRAKER J #6-2 - OH - OH	11,762.86	6,880.61	724.19	342.43	1.897	CC, ES
FRAKER J #6-2 - OH - OH	11,800.00	6,880.12	725.14	342.54	1.895	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 13N-6B-M
<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 13N-6B-M	<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	6,371.27	6,298.37	1,959.85	1,903.79	34.961	CC, ES
GREELEY TECH CENTER #41-5 - OH - OH	6,550.00	6,498.28	1,979.92	1,922.40	34.423	SF
KELLY # 1-3 - OH - OH	6,390.30	6,309.43	8,189.99	7,942.87	33.142	CC
KELLY # 1-3 - OH - OH	6,400.00	6,319.13	8,190.06	7,942.56	33.091	ES
KELLY # 1-3 - OH - OH	6,950.00	6,801.05	8,419.35	8,153.76	31.700	SF
KELLY #2-3 - OH - OH	6,387.62	6,309.25	9,525.54	9,278.32	38.531	CC, ES
KELLY #2-3 - OH - OH	7,000.00	6,813.18	9,797.64	9,531.47	36.808	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,385.47	6,277.53	4,473.92	4,418.61	80.881	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,550.00	6,342.00	4,496.70	4,440.49	80.003	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,393.67	6,339.75	4,577.33	4,521.26	81.644	CC
Kelly Farms #22-4-3CHZ - OH - OH	6,400.00	6,353.98	4,577.35	4,521.21	81.531	ES
Kelly Farms #22-4-3CHZ - OH - OH	6,600.00	6,438.00	4,612.23	4,554.99	80.578	SF
Kelly Farms #A-4-3CHZ - oH - OH	6,387.32	6,332.21	4,554.00	4,497.78	81.010	CC
Kelly Farms #A-4-3CHZ - oH - OH	6,400.00	6,351.00	4,554.12	4,497.78	80.834	ES
Kelly Farms #A-4-3CHZ - oH - OH	6,600.00	6,441.00	4,590.27	4,532.84	79.919	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,371.01	6,196.57	4,459.84	4,402.83	78.228	CC, ES
Kelly Farms #A-4-3NHZ - OH - OH	6,500.00	6,260.00	4,473.15	4,415.40	77.459	SF
LA POUDRE SOUTH #4 - OH - OH	13,334.37	6,926.95	2,263.34	1,836.17	5.298	CC
LA POUDRE SOUTH #4 - OH - OH	13,400.00	6,926.08	2,264.30	1,835.38	5.279	ES
LA POUDRE SOUTH #4 - OH - OH	13,600.00	6,923.45	2,278.88	1,845.66	5.260	SF
Orr 36C-32-M - OH - OH	7,100.00	16,175.00	1,749.83	1,419.90	5.304	SF
Orr 36C-32-M - OH - OH	7,150.00	16,131.69	1,748.68	1,419.42	5.311	ES
Orr 36C-32-M - OH - OH	13,274.56	9,989.11	1,703.54	1,420.85	6.026	CC
Orr State 36N-35C-M - OH - OH	15,381.77	7,371.77	1,606.71	1,325.35	5.710	CC
Orr State 36N-35C-M - OH - OH	15,460.74	7,410.13	1,607.81	1,323.79	5.661	ES, SF
PEANUT #1 - OH - OH	14,947.91	6,859.73	920.59	450.46	1.958	CC, ES
PEANUT #1 - OH - OH	15,000.00	6,859.05	922.06	450.85	1.957	SF
REICHERT #1-6 - OH - OH	13,482.01	6,927.01	898.06	466.75	2.082	CC
REICHERT #1-6 - OH - OH	13,500.00	6,926.77	898.24	466.47	2.080	ES, SF
ROTHER #1-14 - OH - OH	15,460.74	6,901.01	887.34	489.60	2.231	CC, ES, SF
SOUTH #6-21D - OH - OH	13,382.17	7,222.86	933.68	711.41	4.201	CC
SOUTH #6-21D - OH - OH	13,400.00	7,222.70	933.85	710.94	4.189	ES
SOUTH #6-21D - OH - OH	13,500.00	7,221.81	941.09	715.63	4.174	SF
SOUTH #6-22D - OH - OH	13,527.70	6,964.03	393.23	168.93	1.753	CC, ES, SF
SOUTH #6-23D - OH - OH	13,669.88	6,989.21	1,791.80	1,561.34	7.775	CC
SOUTH #6-23D - OH - OH	13,700.00	6,989.36	1,792.05	1,560.63	7.744	ES
SOUTH #6-23D - OH - OH	13,900.00	6,990.41	1,806.51	1,570.10	7.641	SF
SOUTH #6-24D - OH - OH	13,751.64	6,342.65	3,009.83	2,784.08	13.333	CC
SOUTH #6-24D - OH - OH	13,900.00	6,359.29	3,013.42	2,782.26	13.036	ES
SOUTH #6-24D - OH - OH	14,600.00	6,431.85	3,125.27	2,874.30	12.453	SF
SRC #31-5D - OH - OH	6,148.78	6,342.64	985.15	927.98	17.232	CC
SRC #31-5D - OH - OH	6,200.00	6,385.33	985.39	927.93	17.149	ES
SRC #31-5D - OH - OH	6,700.00	6,889.62	1,015.36	953.68	16.461	SF
SRC Northridge #11-4D - OH - OH	6,392.25	6,835.72	3,025.34	2,898.85	23.916	CC
SRC Northridge #11-4D - OH - OH	6,400.00	6,844.36	3,025.39	2,898.84	23.908	ES
SRC Northridge #11-4D - OH - OH	6,450.00	6,900.10	3,027.81	2,900.99	23.875	SF
SRC Northridge #12-4D - OH - OH	6,404.09	6,665.12	3,037.26	2,976.50	49.989	CC, ES
SRC Northridge #12-4D - OH - OH	6,550.00	6,773.10	3,054.60	2,993.07	49.644	SF
SRC Northridge #21-4D - OH - OH	6,394.28	6,572.63	4,297.75	4,224.72	58.846	CC
SRC Northridge #21-4D - OH - OH	6,400.00	6,577.22	4,297.78	4,224.71	58.817	ES
SRC Northridge #21-4D - OH - OH	6,600.00	6,761.16	4,330.59	4,256.35	58.333	SF
SRC Northridge #22-4D - OH - OH	5,679.25	5,065.90	4,364.76	4,319.74	96.962	CC
SRC Northridge #22-4D - OH - OH	5,700.00	5,065.90	4,364.81	4,319.73	96.820	ES

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 13N-6B-M
<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 13N-6B-M	<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						
SRC Northridge #22-4D - OH - OH	6,304.69	5,065.90	4,409.34	4,362.77	94.684	SF
SRC Northridge #44AD - OH - OH	6,407.72	6,599.76	3,640.46	3,574.75	55.397	CC, ES
SRC Northridge #4AD - OH - OH	6,650.00	6,850.99	3,685.90	3,618.61	54.776	SF
SRC Northridge #4KD - OH - OH	6,393.57	6,520.44	3,646.73	3,566.42	45.412	CC
SRC Northridge #4KD - OH - OH	6,400.00	6,526.00	3,646.76	3,566.42	45.391	ES
SRC Northridge #4KD - OH - OH	6,550.00	6,663.67	3,664.89	3,583.83	45.213	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	2,500.12	2,461.88	292.51	269.84	12.903	CC
SRC Wiedeman #11-5-3NCHZ - OH - OH	2,600.00	2,560.18	293.33	269.78	12.453	ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	6,950.00	6,895.14	514.78	453.20	8.359	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	7,074.66	6,930.36	55.76	-6.97	0.889	Level 1, CC, ES, SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	3,013.51	2,986.79	141.78	114.05	5.114	CC, ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	7,060.13	6,946.33	272.28	209.49	4.336	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	1,749.49	1,708.47	438.16	421.43	26.191	CC, ES
SRC Wiedeman #21-5-3CHZ - OH - OH	7,000.00	6,953.57	1,186.40	1,123.25	18.786	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	2,322.97	2,284.12	342.20	320.97	16.117	CC, ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	6,900.00	6,874.09	734.87	673.52	11.978	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	2,198.08	2,163.40	307.62	286.47	14.543	CC
SRC Wiedeman #22-5-4CHZ - OH - OH	2,200.00	2,165.20	307.63	286.46	14.532	ES
SRC Wiedeman #22-5-4CHZ - OH - OH	7,250.00	6,972.25	758.69	693.06	11.560	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	3,106.15	3,076.56	167.61	139.47	5.955	CC, ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	6,900.00	6,873.19	296.16	234.88	4.833	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,507.16	2,218.48	278.47	211.95	4.186	CC, ES, SF
WIEDEMAN #18-5 - OH - OH	8,547.29	6,962.28	229.86	141.99	2.616	CC, ES, SF
WIEDEMAN #22-5 - OH - OH	2,581.52	2,741.94	786.20	756.28	26.274	CC
WIEDEMAN #22-5 - OH - OH	2,600.00	2,758.16	786.24	756.03	26.025	ES
WIEDEMAN #22-5 - OH - OH	7,400.00	7,340.50	1,196.12	1,119.95	15.705	SF
WIEDEMAN #25-5 - OH - OH	100.00	60.61	982.90	976.32	149.538	CC, ES
WIEDEMAN #25-5 - OH - OH	9,000.00	7,198.76	1,130.98	1,028.27	11.012	SF
WIEDEMAN #29-5 - OH - OH	100.00	59.88	1,021.48	1,014.91	155.415	CC, ES
WIEDEMAN #29-5 - OH - OH	8,900.00	7,046.94	1,659.62	1,564.03	17.363	SF
WIEDEMAN #3-5 - OH - OH	7,796.24	7,003.08	996.14	920.60	13.186	CC
WIEDEMAN #3-5 - OH - OH	7,800.00	7,003.10	996.15	920.55	13.176	ES
WIEDEMAN #3-5 - OH - OH	8,000.00	7,004.27	1,016.77	938.48	12.988	SF
WIEDEMAN #4-5 - OH - OH	100.00	56.18	1,011.73	1,005.16	153.953	CC
WIEDEMAN #4-5 - OH - OH	9,106.02	7,013.92	1,016.15	911.11	9.674	ES
WIEDEMAN #4-5 - OH - OH	9,300.00	7,010.17	1,034.49	924.95	9.444	SF
WIEDEMAN #5-5 - OH - OH	9,302.31	7,101.30	399.18	286.70	3.549	CC, ES, SF
WIEDEMAN #6-5 - OH - OH	7,948.04	7,232.96	490.50	413.58	6.377	CC, ES, SF

## Offset Design

Boomerang 21-5 - Boomerang 12C-6-M - OH - Plan #1

Survey Program: 0-MWD+IFR1												Offset Site Error:	0.00 ft
												Offset Well Error:	3.28 ft
Reference Measured Depth (ft)	Vertical Depth (ft)	Offset Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
				Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
0.00	0.00	0.00	0.00	3.28	3.28	5.68	44.80	4.45	45.02				
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.80	4.45	45.02	38.45	6.57	6.853	
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.80	4.45	45.02	38.35	6.67	6.746	CC
300.00	299.98	299.98	299.98	3.44	3.44	-95.53	44.80	4.45	45.16	38.27	6.89	6.557	ES
400.00	399.84	399.25	399.23	3.60	3.60	-99.98	45.48	6.03	46.59	39.39	7.20	6.473	
500.00	499.45	498.54	498.38	3.80	3.80	-104.21	47.53	10.77	50.22	42.62	7.60	6.608	

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 13N-6B-M	<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		
584.50	583.35	582.42	581.96	4.01	4.00	-107.27	50.31	17.22	54.98	46.98	8.00	6.870		
600.00	598.71	597.80	597.27	4.05	4.04	-107.75	50.93	18.65	56.01	47.92	8.08	6.929		
700.00	697.81	697.06	695.79	4.33	4.32	-108.68	55.69	29.68	63.14	54.51	8.64	7.311		
800.00	796.91	803.50	794.11	4.64	4.64	-107.14	61.59	43.35	70.98	61.71	9.28	7.652		
900.00	896.01	903.83	892.60	4.98	4.98	-105.68	67.64	57.35	78.96	69.01	9.95	7.938		
1,000.00	995.11	1,004.17	991.09	5.34	5.33	-104.48	73.68	71.35	86.97	76.31	10.66	8.160		
1,100.00	1,094.21	1,104.51	1,089.58	5.71	5.71	-103.49	79.72	85.35	95.01	83.61	11.40	8.333		
1,200.00	1,193.31	1,204.84	1,188.07	6.10	6.09	-102.65	85.77	99.34	103.08	90.91	12.17	8.468		
1,300.00	1,292.41	1,305.18	1,286.56	6.49	6.49	-101.94	91.81	113.34	111.17	98.21	12.97	8.574		
1,400.00	1,391.51	1,405.52	1,385.05	6.90	6.90	-101.32	97.85	127.34	119.27	105.50	13.78	8.658		
1,500.00	1,490.61	1,505.85	1,483.54	7.31	7.32	-100.78	103.89	141.34	127.39	112.79	14.60	8.723		
1,600.00	1,589.71	1,606.19	1,582.03	7.73	7.74	-100.31	109.94	155.34	135.51	120.07	15.44	8.776		
1,700.00	1,688.81	1,693.47	1,680.52	8.16	8.11	-99.89	115.98	169.34	143.65	127.41	16.24	8.847		
1,800.00	1,787.92	1,806.86	1,779.01	8.59	8.60	-99.51	122.02	183.34	151.79	134.63	17.15	8.850		
1,900.00	1,887.02	1,907.20	1,877.50	9.02	9.04	-99.17	128.07	197.33	159.93	141.91	18.02	8.876		
2,000.00	1,986.12	2,007.54	1,975.99	9.46	9.48	-98.87	134.11	211.33	168.08	149.19	18.89	8.897		
2,100.00	2,085.22	2,107.87	2,074.48	9.90	9.92	-98.59	140.15	225.33	176.24	156.47	19.77	8.914		
2,200.00	2,184.32	2,208.21	2,172.97	10.34	10.37	-98.34	146.20	239.33	184.39	163.74	20.66	8.927		
2,300.00	2,283.42	2,308.55	2,271.46	10.78	10.82	-98.11	152.24	253.33	192.56	171.01	21.54	8.938		
2,400.00	2,382.52	2,408.88	2,369.95	11.23	11.27	-97.90	158.28	267.33	200.72	178.28	22.44	8.946		
2,500.00	2,481.62	2,509.22	2,468.44	11.68	11.72	-97.70	164.33	281.32	208.89	185.55	23.33	8.952		
2,600.00	2,580.72	2,609.56	2,566.93	12.13	12.18	-97.52	170.37	295.32	217.06	192.82	24.23	8.957		
2,700.00	2,679.82	2,709.89	2,665.42	12.58	12.63	-97.35	176.41	309.32	225.23	200.09	25.14	8.960		
2,800.00	2,778.92	2,789.77	2,763.91	13.03	13.00	-97.20	182.46	323.32	233.40	207.45	25.95	8.965		
2,900.00	2,878.02	2,889.44	2,862.41	13.48	13.45	-97.05	188.50	337.32	241.58	214.72	26.85	8.966		
3,000.00	2,977.12	2,989.10	2,960.90	13.94	13.91	-96.92	194.54	351.32	249.75	221.99	27.76	8.967		
3,100.00	3,076.22	3,088.76	3,059.39	14.39	14.36	-96.79	200.59	365.31	257.93	229.26	28.67	8.967		
3,200.00	3,175.32	3,188.43	3,157.88	14.85	14.82	-96.67	206.63	379.31	266.11	236.53	29.58	8.967		
3,300.00	3,274.43	3,288.09	3,256.37	15.30	15.28	-96.56	212.67	393.31	274.29	243.80	30.49	8.967		
3,400.00	3,373.53	3,387.75	3,354.86	15.76	15.74	-96.45	218.71	407.31	282.47	251.07	31.40	8.966		
3,500.00	3,472.63	3,487.42	3,453.35	16.22	16.20	-96.35	224.76	421.31	290.65	258.34	32.31	8.965		
3,600.00	3,571.73	3,587.08	3,551.84	16.68	16.66	-96.26	230.80	435.31	298.83	265.60	33.23	8.963		
3,700.00	3,670.83	3,686.74	3,650.33	17.14	17.12	-96.17	236.84	449.30	307.02	272.87	34.15	8.961		
3,800.00	3,769.93	3,786.41	3,748.82	17.59	17.58	-96.08	242.89	463.30	315.20	280.14	35.06	8.960		
3,900.00	3,869.03	3,886.07	3,847.31	18.05	18.04	-96.00	248.93	477.30	323.38	287.40	35.98	8.968		
4,000.00	3,968.13	3,985.73	3,945.80	18.51	18.50	-95.93	254.97	491.30	331.57	294.67	36.90	8.966		
4,100.00	4,067.23	4,085.40	4,044.29	18.98	18.96	-95.85	261.02	505.30	339.75	301.94	37.82	8.964		
4,200.00	4,166.33	4,185.06	4,142.78	19.44	19.43	-95.78	267.06	519.30	347.94	309.20	38.74	8.962		
4,300.00	4,265.43	4,284.72	4,241.27	19.90	19.89	-95.72	273.10	533.29	356.13	316.47	39.66	8.979		
4,400.00	4,364.53	4,384.39	4,339.76	20.36	20.35	-95.65	279.15	547.29	364.31	323.73	40.58	8.977		
4,500.00	4,463.63	4,484.05	4,438.25	20.82	20.82	-95.59	285.19	561.29	372.50	331.00	41.50	8.975		
4,600.00	4,562.73	4,583.71	4,536.74	21.28	21.28	-95.54	291.23	575.29	380.69	338.26	42.43	8.973		
4,700.00	4,661.83	4,683.38	4,635.23	21.75	21.75	-95.48	297.28	589.29	388.88	345.53	43.35	8.971		
4,800.00	4,760.93	4,783.04	4,733.72	22.21	22.21	-95.43	303.32	603.29	397.07	352.79	44.27	8.968		
4,900.00	4,860.04	4,882.71	4,832.21	22.67	22.68	-95.38	309.36	617.28	405.26	360.06	45.20	8.966		
5,000.00	4,959.14	4,982.37	4,930.70	23.13	23.14	-95.33	315.40	631.28	413.45	367.32	46.12	8.964		
5,100.00	5,058.24	5,082.03	5,029.19	23.60	23.61	-95.28	321.45	645.28	421.63	374.59	47.05	8.962		
5,200.00	5,157.34	5,181.70	5,127.68	24.06	24.07	-95.24	327.49	659.28	429.82	381.85	47.97	8.960		
5,300.00	5,256.44	5,281.36	5,226.17	24.52	24.54	-95.19	333.53	673.28	438.01	389.11	48.90	8.957		
5,400.00	5,355.54	5,381.02	5,324.66	24.99	25.00	-95.15	339.58	687.28	446.20	396.38	49.83	8.955		
5,500.00	5,454.64	5,480.69	5,423.15	25.45	25.47	-95.11	345.62	701.28	454.40	403.64	50.75	8.953		
5,600.00	5,553.74	5,580.35	5,521.64	25.92	25.94	-95.07	351.66	715.27	462.59	410.91	51.68	8.951		

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 13N-6B-M
<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 13N-6B-M	<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		
5,700.00	5,652.84	5,680.01	5,620.13	26.38	26.40	-95.03	357.71	729.27	470.78	418.17	52.61	8.949		
5,800.00	5,751.94	5,779.68	5,718.62	26.84	26.87	-95.00	363.75	743.27	478.97	425.43	53.53	8.947		
5,900.00	5,851.04	5,879.34	5,817.11	27.31	27.33	-94.96	369.79	757.27	487.16	432.70	54.46	8.945		
6,000.00	5,950.14	5,979.00	5,915.60	27.77	27.80	-94.93	375.84	771.27	495.35	439.96	55.39	8.943		
6,100.00	6,049.24	6,078.67	6,014.09	28.24	28.27	-94.89	381.88	785.27	503.54	447.22	56.32	8.941		
6,200.00	6,148.34	6,178.33	6,112.59	28.70	28.74	-94.86	387.92	799.26	511.73	454.49	57.25	8.939		
6,304.69	6,252.09	6,282.67	6,215.69	29.19	29.22	-94.83	394.25	813.92	520.31	462.09	58.22	8.937		
6,350.00	6,297.17	6,327.77	6,260.26	29.39	29.44	-107.06	396.98	820.25	524.20	465.57	58.63	8.940		
6,400.00	6,347.13	6,377.22	6,309.13	29.59	29.67	151.67	399.98	827.20	528.93	469.86	59.07	8.955		
6,450.00	6,397.02	6,426.04	6,357.38	29.78	29.90	112.02	402.94	834.06	534.20	474.72	59.48	8.981		
6,500.00	6,446.53	6,473.93	6,404.71	29.96	30.12	106.22	405.85	840.78	540.19	480.30	59.89	9.020		
6,550.00	6,495.35	6,528.57	6,458.94	30.14	30.37	104.79	409.10	846.40	546.79	486.44	60.35	9.061		
6,600.00	6,543.19	6,585.47	6,515.73	30.33	30.60	104.54	412.34	847.28	553.63	492.84	60.79	9.107		
6,650.00	6,589.76	6,644.26	6,574.25	30.52	30.83	104.75	415.50	842.86	560.61	499.40	61.21	9.159		
6,700.00	6,634.75	6,705.03	6,634.04	30.71	31.06	105.16	418.53	832.64	567.61	506.02	61.59	9.216		
6,750.00	6,677.90	6,767.81	6,694.53	30.91	31.30	105.65	421.38	816.13	574.51	512.59	61.92	9.278		
6,800.00	6,718.94	6,832.64	6,754.97	31.13	31.56	106.15	424.00	792.93	581.20	519.00	62.20	9.344		
6,850.00	6,757.62	6,899.49	6,814.51	31.36	31.84	106.62	426.33	762.69	587.53	525.10	62.44	9.410		
6,900.00	6,793.70	6,968.25	6,872.11	31.61	32.15	107.03	428.30	725.26	593.39	530.74	62.65	9.472		
6,950.00	6,826.95	7,038.76	6,926.66	31.88	32.49	107.34	429.86	680.65	598.64	535.79	62.86	9.524		
7,000.00	6,857.18	7,110.81	6,976.96	32.19	32.88	107.54	430.94	629.14	603.19	540.07	63.12	9.556		
7,050.00	6,884.18	7,184.06	7,021.82	32.52	33.34	107.62	431.50	571.29	606.93	543.43	63.50	9.558		
7,100.00	6,907.81	7,258.16	7,060.16	32.90	33.87	107.56	431.50	507.93	609.79	545.75	64.05	9.521		
7,150.00	6,927.91	7,332.68	7,091.05	33.32	34.49	107.35	430.93	440.16	611.73	546.91	64.82	9.438		
7,200.00	6,944.36	7,407.17	7,113.83	33.77	35.20	107.00	429.79	369.29	612.73	546.89	65.83	9.307		
7,250.00	6,957.05	7,481.19	7,128.12	34.27	35.98	106.51	428.12	296.72	612.80	545.69	67.11	9.132		
7,300.00	6,965.92	7,554.32	7,133.89	34.80	36.82	105.89	425.95	223.90	611.97	543.38	68.59	8.922		
7,350.00	6,970.89	7,610.52	7,133.62	35.37	37.51	105.43	424.02	167.73	610.78	540.78	70.00	8.726		
7,390.85	6,972.05	7,651.33	7,133.18	35.86	38.06	105.30	422.60	126.94	610.46	539.41	71.05	8.592		
7,396.89	6,972.00	7,657.38	7,133.12	35.93	38.14	105.30	422.39	120.90	610.47	539.27	71.20	8.574		
7,400.00	6,971.96	7,660.48	7,133.09	35.97	38.18	105.30	422.28	117.80	610.48	539.20	71.28	8.564		
7,500.00	6,970.65	7,760.48	7,132.02	37.28	39.61	105.32	418.80	17.87	610.70	536.75	73.95	8.258		
7,600.00	6,969.33	7,860.48	7,130.94	38.76	41.19	105.34	415.33	-82.07	610.93	534.01	76.92	7.942		
7,700.00	6,968.02	7,960.48	7,129.87	40.39	42.90	105.36	411.85	-182.00	611.16	531.00	80.16	7.624		
7,800.00	6,966.70	8,060.48	7,128.80	42.15	44.73	105.37	408.37	-281.93	611.38	527.75	83.63	7.310		
7,900.00	6,965.39	8,160.48	7,127.73	44.02	46.66	105.39	404.90	-381.87	611.61	524.30	87.31	7.005		
8,000.00	6,964.07	8,260.48	7,126.66	45.99	48.68	105.41	401.42	-481.80	611.84	520.66	91.18	6.710		
8,100.00	6,962.76	8,360.48	7,125.59	48.05	50.77	105.43	397.94	-581.73	612.07	516.86	95.20	6.429		
8,200.00	6,961.45	8,460.48	7,124.52	50.19	52.94	105.45	394.46	-681.67	612.29	512.93	99.37	6.162		
8,300.00	6,960.13	8,560.48	7,123.45	52.39	55.17	105.46	390.99	-781.60	612.52	508.87	103.65	5.909		
8,400.00	6,958.82	8,660.48	7,122.38	54.65	57.45	105.48	387.51	-881.53	612.75	504.70	108.05	5.671		
8,500.00	6,957.50	8,760.48	7,121.31	56.97	59.78	105.50	384.03	-981.47	612.97	500.43	112.54	5.447		
8,600.00	6,956.19	8,860.48	7,120.24	59.33	62.16	105.52	380.56	-1,081.40	613.20	496.08	117.12	5.236		
8,700.00	6,954.87	8,960.48	7,119.17	61.73	64.57	105.54	377.08	-1,181.33	613.43	491.66	121.77	5.038		
8,800.00	6,953.56	9,060.48	7,118.10	64.16	67.01	105.55	373.60	-1,281.27	613.66	487.17	126.49	4.852		
8,900.00	6,952.24	9,160.48	7,117.03	66.63	69.49	105.57	370.13	-1,381.20	613.88	482.62	131.26	4.677		
9,000.00	6,950.93	9,260.48	7,115.96	69.13	71.99	105.59	366.65	-1,481.13	614.11	478.02	136.09	4.512		
9,100.00	6,949.61	9,360.48	7,114.89	71.65	74.52	105.61	363.17	-1,581.07	614.34	473.37	140.97	4.358		
9,200.00	6,948.30	9,460.47	7,113.82	74.20	77.07	105.62	359.69	-1,681.00	614.57	468.68	145.89	4.213		
9,300.00	6,946.98	9,560.47	7,112.75	76.77	79.64	105.64	356.22	-1,780.93	614.79	463.95	150.85	4.076		
9,400.00	6,945.67	9,660.47	7,111.68	79.35	82.22	105.66	352.74	-1,880.87	615.02	459.18	155.84	3.946		
9,500.00	6,944.35	9,760.47	7,110.61	81.95	84.83	105.68	349.26	-1,980.80	615.25	454.39	160.86	3.825		

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 13N-6B-M
<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 13N-6B-M	<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		
9,600.00	6,943.04	9,860.47	7,109.54	84.57	87.44	105.69	345.79	-2,080.73	615.48	449.56	165.92	3.710		
9,700.00	6,941.73	9,960.47	7,108.47	87.21	90.08	105.71	342.31	-2,180.67	615.71	444.71	170.99	3.601		
9,800.00	6,940.41	10,060.47	7,107.40	89.85	92.72	105.73	338.83	-2,280.60	615.93	439.84	176.09	3.498		
9,900.00	6,939.10	10,160.47	7,106.33	92.51	95.38	105.75	335.36	-2,380.53	616.16	434.95	181.22	3.400		
10,000.00	6,937.78	10,260.47	7,105.26	95.17	98.04	105.77	331.88	-2,480.47	616.39	430.03	186.36	3.308		
10,100.00	6,936.47	10,360.47	7,104.19	97.85	100.72	105.78	328.40	-2,580.40	616.62	425.10	191.52	3.220		
10,200.00	6,935.15	10,460.47	7,103.12	100.54	103.40	105.80	324.92	-2,680.33	616.85	420.15	196.69	3.136		
10,300.00	6,933.84	10,560.47	7,102.05	103.23	106.10	105.82	321.45	-2,780.27	617.08	415.19	201.89	3.057		
10,400.00	6,932.52	10,660.47	7,100.98	105.93	108.80	105.84	317.97	-2,880.20	617.30	410.21	207.09	2.981		
10,500.00	6,931.21	10,760.47	7,099.91	108.64	111.50	105.85	314.49	-2,980.13	617.53	405.22	212.31	2.909		
10,600.00	6,929.89	10,860.47	7,098.83	111.36	114.22	105.87	311.02	-3,080.07	617.76	400.22	217.54	2.840		
10,700.00	6,928.58	10,960.47	7,097.76	114.08	116.94	105.89	307.54	-3,180.00	617.99	395.21	222.78	2.774		
10,800.00	6,927.26	11,060.47	7,096.69	116.81	119.67	105.91	304.06	-3,279.93	618.22	390.19	228.03	2.711		
10,900.00	6,925.95	11,160.47	7,095.62	119.54	122.40	105.92	300.58	-3,379.87	618.45	385.16	233.29	2.651		
11,000.00	6,924.64	11,260.47	7,094.55	122.28	125.13	105.94	297.11	-3,479.80	618.68	380.12	238.56	2.593		
11,100.00	6,923.32	11,360.47	7,093.48	125.02	127.87	105.96	293.63	-3,579.73	618.91	375.07	243.83	2.538		
11,200.00	6,922.01	11,460.47	7,092.41	127.77	130.62	105.98	290.15	-3,679.67	619.13	370.02	249.12	2.485		
11,300.00	6,920.69	11,560.47	7,091.34	130.52	133.37	105.99	286.68	-3,779.60	619.36	364.96	254.41	2.435		
11,400.00	6,919.38	11,660.47	7,090.27	133.28	136.12	106.01	283.20	-3,879.53	619.59	359.89	259.70	2.386		
11,500.00	6,918.06	11,760.46	7,089.20	136.04	138.88	106.03	279.72	-3,979.47	619.82	354.81	265.01	2.339		
11,600.00	6,916.75	11,860.46	7,088.13	138.80	141.64	106.05	276.25	-4,079.40	620.05	349.73	270.32	2.294		
11,700.00	6,915.43	11,960.46	7,087.06	141.56	144.40	106.06	272.77	-4,179.33	620.28	344.65	275.63	2.250		
11,800.00	6,914.12	12,060.46	7,085.99	144.33	147.17	106.08	269.29	-4,279.27	620.51	339.56	280.95	2.209		
11,900.00	6,912.80	12,160.46	7,084.92	147.10	149.94	106.10	265.81	-4,379.20	620.74	334.46	286.27	2.168		
12,000.00	6,911.49	12,260.46	7,083.85	149.88	152.71	106.11	262.34	-4,479.13	620.97	329.37	291.60	2.130		
12,100.00	6,910.17	12,360.46	7,082.78	152.65	155.48	106.13	258.86	-4,579.07	621.20	324.26	296.93	2.092		
12,200.00	6,908.86	12,460.46	7,081.71	155.43	158.26	106.15	255.38	-4,679.00	621.43	319.16	302.27	2.056		
12,300.00	6,907.54	12,560.46	7,080.64	158.21	161.04	106.17	251.91	-4,778.93	621.66	314.05	307.61	2.021		
12,400.00	6,906.23	12,660.46	7,079.57	160.99	163.82	106.18	248.43	-4,878.87	621.89	308.94	312.95	1.987		
12,500.00	6,904.92	12,760.46	7,078.50	163.78	166.61	106.20	244.95	-4,978.80	622.11	303.82	318.30	1.955		
12,600.00	6,903.60	12,860.46	7,077.43	166.57	169.39	106.22	241.48	-5,078.74	622.34	298.70	323.64	1.923		
12,700.00	6,902.29	12,960.46	7,076.36	169.35	172.18	106.24	238.00	-5,178.67	622.57	293.58	328.99	1.892		
12,800.00	6,900.97	13,060.46	7,075.29	172.14	174.97	106.25	234.52	-5,278.60	622.80	288.46	334.35	1.863		
12,900.00	6,899.66	13,160.46	7,074.22	174.94	177.76	106.27	231.04	-5,378.54	623.03	283.33	339.70	1.834		
13,000.00	6,898.34	13,260.46	7,073.15	177.73	180.55	106.29	227.57	-5,478.47	623.26	278.20	345.06	1.806		
13,100.00	6,897.03	13,360.46	7,072.08	180.53	183.34	106.30	224.09	-5,578.40	623.49	273.07	350.42	1.779		
13,200.00	6,895.71	13,460.46	7,071.01	183.32	186.14	106.32	220.61	-5,678.34	623.72	267.94	355.78	1.753		
13,300.00	6,894.40	13,560.46	7,069.94	186.12	188.94	106.34	217.14	-5,778.27	623.95	262.81	361.15	1.728		
13,400.00	6,893.08	13,660.46	7,068.87	188.92	191.73	106.36	213.66	-5,878.20	624.18	257.67	366.51	1.703		
13,500.00	6,891.77	13,760.46	7,067.80	191.72	194.53	106.37	210.18	-5,978.14	624.41	252.53	371.88	1.679		
13,600.00	6,890.45	13,860.46	7,066.73	194.52	197.33	106.39	206.70	-6,078.07	624.64	247.40	377.25	1.656		
13,700.00	6,889.14	13,960.46	7,065.65	197.32	200.14	106.41	203.23	-6,178.00	624.87	242.26	382.62	1.633		
13,800.00	6,887.82	14,060.45	7,064.58	200.13	202.94	106.43	199.75	-6,277.94	625.11	237.12	387.99	1.611		
13,900.00	6,886.51	14,160.45	7,063.51	202.93	205.74	106.44	196.27	-6,377.87	625.34	231.97	393.36	1.590		
14,000.00	6,885.20	14,260.45	7,062.44	205.74	208.55	106.46	192.80	-6,477.80	625.57	226.83	398.74	1.569		
14,100.00	6,883.88	14,360.45	7,061.37	208.55	211.36	106.48	189.32	-6,577.74	625.80	221.69	404.11	1.549		
14,200.00	6,882.57	14,460.45	7,060.30	211.35	214.16	106.49	185.84	-6,677.67	626.03	216.54	409.49	1.529		
14,300.00	6,881.25	14,560.45	7,059.23	214.16	216.97	106.51	182.37	-6,777.60	626.26	211.40	414.86	1.510		
14,400.00	6,879.94	14,660.45	7,058.16	216.97	219.78	106.53	178.89	-6,877.54	626.49	206.25	420.24	1.491 Level 3		
14,500.00	6,878.62	14,760.45	7,057.09	219.78	222.59	106.54	175.41	-6,977.47	626.72	201.10	425.62	1.472 Level 3		
14,600.00	6,877.31	14,860.45	7,056.02	222.59	225.40	106.56	171.93	-7,077.40	626.95	195.95	431.00	1.455 Level 3		
14,700.00	6,875.99	14,960.45	7,054.95	225.41	228.21	106.58	168.46	-7,177.34	627.18	190.81	436.37	1.437 Level 3		

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 13N-6B-M
<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 13N-6B-M	<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		
14,800.00	6,874.68	15,060.45	7,053.88	228.22	231.02	106.60	164.98	-7,277.27	627.41	185.66	441.75	1.420	Level 3	
14,900.00	6,873.36	15,160.45	7,052.81	231.03	233.84	106.61	161.50	-7,377.20	627.64	180.51	447.13	1.404	Level 3	
15,000.00	6,872.05	15,260.45	7,051.74	233.85	236.65	106.63	158.03	-7,477.14	627.87	175.36	452.52	1.388	Level 3	
15,100.00	6,870.73	15,360.45	7,050.67	236.66	239.46	106.65	154.55	-7,577.07	628.11	170.21	457.90	1.372	Level 3	
15,200.00	6,869.42	15,460.45	7,049.60	239.48	242.28	106.66	151.07	-7,677.00	628.34	165.06	463.28	1.356	Level 3	
15,300.00	6,868.11	15,560.45	7,048.53	242.29	245.09	106.68	147.59	-7,776.94	628.57	159.91	468.66	1.341	Level 3	
15,400.00	6,866.79	15,660.45	7,047.46	245.11	247.91	106.70	144.12	-7,876.87	628.80	154.76	474.04	1.326	Level 3	
15,400.22	6,866.79	15,660.67	7,047.46	245.12	247.92	106.70	144.11	-7,877.09	628.80	154.75	474.05	1.326	Level 3	
15,460.11	6,866.00	15,703.90	7,046.99	246.80	249.13	106.70	142.61	-7,920.30	629.16	152.54	476.62	1.320	Level 3, SF	
15,460.74	6,865.99	15,703.90	7,046.99	246.82	249.13	106.70	142.61	-7,920.30	629.18	152.55	476.63	1.320	Level 3	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	298.55	298.53	3.44	3.44	-93.84	60.79	7.18	61.32	54.44	6.89	8.901		
400.00	399.84	397.00	396.84	3.60	3.60	-95.04	63.92	11.17	65.22	58.01	7.21	9.047		
500.00	499.45	495.22	494.70	3.80	3.80	-96.72	69.12	17.80	71.77	64.15	7.62	9.413		
584.50	583.35	577.96	576.87	4.01	4.00	-98.31	75.11	25.44	79.41	71.37	8.04	9.877		
600.00	598.71	593.11	591.88	4.05	4.04	-98.60	76.36	27.04	81.01	72.89	8.12	9.975		
700.00	697.81	690.63	688.24	4.33	4.32	-99.30	85.61	38.82	92.57	83.89	8.69	10.657		
800.00	796.91	787.63	783.52	4.64	4.62	-98.40	96.81	53.10	106.20	96.89	9.31	11.403		
900.00	896.01	883.88	877.41	4.98	4.96	-96.51	109.88	69.77	121.97	111.98	9.99	12.211		
1,000.00	995.11	979.78	970.20	5.34	5.32	-94.06	124.80	88.79	140.02	129.32	10.70	13.082		
1,100.00	1,094.21	1,077.79	1,064.77	5.71	5.72	-91.84	140.69	109.05	159.03	147.58	11.45	13.891		
1,200.00	1,193.31	1,175.80	1,159.34	6.10	6.14	-90.10	156.58	129.31	178.21	165.99	12.22	14.581		
1,300.00	1,292.41	1,273.82	1,253.91	6.49	6.57	-88.70	172.47	149.57	197.53	184.51	13.02	15.172		
1,400.00	1,391.51	1,371.83	1,348.48	6.90	7.02	-87.55	188.36	169.82	216.94	203.10	13.84	15.679		
1,500.00	1,490.61	1,469.84	1,443.05	7.31	7.48	-86.58	204.24	190.08	236.42	221.75	14.67	16.116		
1,600.00	1,589.71	1,567.85	1,537.63	7.73	7.95	-85.77	220.13	210.34	255.95	240.44	15.52	16.495		
1,700.00	1,688.81	1,665.87	1,632.20	8.16	8.42	-85.07	236.02	230.60	275.53	259.16	16.38	16.825		
1,800.00	1,787.92	1,763.88	1,726.77	8.59	8.90	-84.46	251.91	250.86	295.14	277.90	17.25	17.114		
1,900.00	1,887.02	1,861.89	1,821.34	9.02	9.39	-83.93	267.80	271.11	314.78	296.66	18.12	17.368		
2,000.00	1,986.12	1,959.91	1,915.91	9.46	9.88	-83.46	283.69	291.37	334.45	315.44	19.01	17.593		
2,100.00	2,085.22	2,057.92	2,010.48	9.90	10.37	-83.04	299.58	311.63	354.13	334.23	19.90	17.793		
2,200.00	2,184.32	2,155.93	2,105.05	10.34	10.87	-82.67	315.46	331.89	373.83	353.03	20.80	17.971		
2,300.00	2,283.42	2,253.95	2,199.62	10.78	11.37	-82.33	331.35	352.14	393.54	371.83	21.70	18.131		
2,400.00	2,382.52	2,351.96	2,294.20	11.23	11.87	-82.02	347.24	372.40	413.26	390.65	22.61	18.275		
2,500.00	2,481.62	2,449.97	2,388.77	11.68	12.38	-81.75	363.13	392.66	433.00	409.47	23.53	18.406		
2,600.00	2,580.72	2,547.98	2,483.34	12.13	12.88	-81.50	379.02	412.92	452.74	428.30	24.44	18.524		
2,700.00	2,679.82	2,646.00	2,577.91	12.58	13.39	-81.26	394.91	433.18	472.49	447.13	25.36	18.632		
2,800.00	2,778.92	2,744.01	2,672.48	13.03	13.90	-81.05	410.80	453.43	492.25	465.97	26.28	18.730		
2,900.00	2,878.02	2,842.02	2,767.05	13.48	14.41	-80.86	426.68	473.69	512.01	484.81	27.21	18.820		
3,000.00	2,977.12	2,940.04	2,861.62	13.94	14.92	-80.67	442.57	493.95	531.78	503.65	28.13	18.903		
3,100.00	3,076.22	3,038.05	2,956.20	14.39	15.44	-80.51	458.46	514.21	551.56	522.50	29.06	18.979		
3,200.00	3,175.32	3,136.06	3,050.77	14.85	15.95	-80.35	474.35	534.47	571.33	541.34	29.99	19.050		
3,300.00	3,274.43	3,234.08	3,145.34	15.30	16.47	-80.20	490.24	554.72	591.12	560.19	30.92	19.115		
3,400.00	3,373.53	3,332.09	3,239.91	15.76	16.98	-80.06	506.13	574.98	610.90	579.04	31.86	19.176		
3,500.00	3,472.63	3,430.10	3,334.48	16.22	17.50	-79.94	522.02	595.24	630.69	597.90	32.79	19.232		
3,600.00	3,571.73	3,528.12	3,429.05	16.68	18.02	-79.82	537.90	615.50	650.48	616.75	33.73	19.285		
3,700.00	3,670.83	3,626.13	3,523.62	17.14	18.54	-79.70	553.79	635.76	670.27	635.61	34.67	19.334		
3,800.00	3,769.93	3,724.14	3,618.19	17.59	19.05	-79.60	569.68	656.01	690.07	654.46	35.61	19.380		
3,900.00	3,869.03	3,822.15	3,712.77	18.05	19.57	-79.49	585.57	676.27	709.87	673.32	36.55	19.424		
4,000.00	3,968.13	3,920.17	3,807.34	18.51	20.09	-79.40	601.46	696.53	729.67	692.18	37.49	19.464		
4,100.00	4,067.23	4,018.18	3,901.91	18.98	20.61	-79.31	617.35	716.79	749.47	711.04	38.43	19.502		
4,200.00	4,166.33	4,116.19	3,996.48	19.44	21.13	-79.22	633.24	737.05	769.28	729.90	39.37	19.538		
4,300.00	4,265.43	4,214.21	4,091.05	19.90	21.65	-79.14	649.12	757.30	789.08	748.77	40.32	19.572		
4,400.00	4,364.53	4,312.22	4,185.62	20.36	22.17	-79.06	665.01	777.56	808.89	767.63	41.26	19.605		
4,500.00	4,463.63	4,411.67	4,286.44	20.82	22.73	-78.99	681.87	799.06	828.62	786.35	42.27	19.603		
4,600.00	4,562.73	4,513.38	4,413.58	21.28	23.39	-79.05	700.56	822.88	845.78	802.28	43.50	19.442		
4,700.00	4,661.83	4,619.52	4,543.39	21.75	24.02	-79.33	715.79	842.30	859.13	814.46	44.66	19.235		
4,800.00	4,760.93	4,812.57	4,675.09	22.21	24.62	-79.82	727.37	857.07	868.64	822.89	45.74	18.989		
4,900.00	4,860.04	4,945.95	4,807.85	22.67	25.17	-80.52	735.19	867.03	874.33	827.59	46.74	18.707		
5,000.00	4,959.14	5,079.08	4,940.81	23.13	25.68	-81.44	739.18	872.12	876.27	828.62	47.64	18.392		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,203.49	5,058.24	23.60	26.14	-82.42	739.75	872.85	874.96	826.43	48.53	18.031		
5,200.00	5,157.34	5,304.39	5,157.34	24.06	26.51	-83.29	739.75	872.85	873.28	823.88	49.40	17.677		
5,300.00	5,256.44	5,405.29	5,256.44	24.52	26.88	-84.15	739.75	872.85	871.80	821.52	50.28	17.340		
5,400.00	5,355.54	5,506.19	5,355.54	24.99	27.25	-85.02	739.75	872.85	870.53	819.37	51.16	17.017		
5,500.00	5,454.64	5,607.09	5,454.64	25.45	27.62	-85.89	739.75	872.85	869.46	817.42	52.03	16.709		
5,600.00	5,553.74	5,707.99	5,553.74	25.92	28.00	-86.76	739.75	872.85	868.59	815.68	52.91	16.415		
5,700.00	5,652.84	5,808.89	5,652.84	26.38	28.38	-87.64	739.75	872.85	867.93	814.14	53.79	16.134		
5,800.00	5,751.94	5,909.79	5,751.94	26.84	28.76	-88.51	739.75	872.85	867.48	812.80	54.67	15.866		
5,900.00	5,851.04	5,989.31	5,851.04	27.31	29.06	-89.39	739.75	872.85	867.23	811.76	55.47	15.633		
5,969.72	5,920.13	6,058.41	5,920.13	27.63	29.32	-90.00	739.75	872.85	867.18	811.10	56.08	15.463		
6,000.00	5,950.14	6,088.41	5,950.14	27.77	29.44	-90.27	739.75	872.85	867.19	810.84	56.35	15.390		
6,100.00	6,049.24	6,187.52	6,049.24	28.24	29.81	-91.14	739.75	872.85	867.36	810.13	57.22	15.158		
6,200.00	6,148.34	6,286.62	6,148.34	28.70	30.19	-92.02	739.75	872.85	867.73	809.63	58.10	14.936		
6,304.69	6,252.09	6,390.36	6,252.09	29.19	30.59	-92.93	739.75	872.85	868.34	809.33	59.01	14.715		
6,350.00	6,297.17	6,435.44	6,297.17	29.39	30.77	-105.35	739.75	872.85	868.89	809.50	59.40	14.628		
6,400.00	6,347.13	6,493.41	6,355.11	29.59	30.99	152.95	739.69	871.48	869.88	810.09	59.79	14.548		
6,450.00	6,397.02	6,554.97	6,416.24	29.78	31.21	112.45	739.39	864.49	870.76	810.60	60.16	14.475		
6,500.00	6,446.53	6,616.07	6,475.98	29.96	31.45	105.47	738.84	851.76	871.50	810.97	60.52	14.400		
6,550.00	6,495.35	6,676.60	6,533.68	30.14	31.68	102.47	738.06	833.56	872.10	811.20	60.90	14.320		
6,600.00	6,543.19	6,736.48	6,588.80	30.33	31.93	100.64	737.06	810.26	872.59	811.29	61.30	14.236		
6,650.00	6,589.76	6,795.61	6,640.85	30.52	32.18	99.29	735.85	782.27	872.96	811.24	61.72	14.144		
6,700.00	6,634.75	6,853.93	6,689.43	30.71	32.45	98.18	734.47	750.06	873.25	811.07	62.18	14.043		
6,750.00	6,677.90	6,911.40	6,734.21	30.91	32.75	97.20	732.93	714.10	873.46	810.77	62.70	13.932		
6,800.00	6,718.94	6,967.98	6,774.95	31.13	33.06	96.30	731.24	674.90	873.61	810.35	63.26	13.810		
6,850.00	6,757.62	7,023.66	6,811.48	31.36	33.40	95.45	729.44	632.95	873.72	809.83	63.88	13.677		
6,900.00	6,793.70	7,078.42	6,843.71	31.61	33.78	94.63	727.54	588.74	873.79	809.22	64.58	13.531		
6,950.00	6,826.95	7,132.26	6,871.57	31.88	34.19	93.84	725.56	542.72	873.85	808.51	65.34	13.375		
7,000.00	6,857.18	7,185.21	6,895.08	32.19	34.63	93.07	723.53	495.34	873.89	807.73	66.17	13.207		
7,050.00	6,884.18	7,237.28	6,914.27	32.52	35.11	92.32	721.45	447.00	873.93	806.86	67.07	13.030		
7,100.00	6,907.81	7,288.50	6,929.24	32.90	35.63	91.59	719.35	398.08	873.98	805.94	68.04	12.845		
7,150.00	6,927.91	7,338.90	6,940.07	33.32	36.17	90.88	717.24	348.92	874.03	804.95	69.07	12.653		
7,200.00	6,944.36	7,388.51	6,946.91	33.77	36.74	90.19	715.13	299.83	874.08	803.92	70.16	12.458		
7,250.00	6,957.05	7,437.38	6,949.88	34.27	37.32	89.53	713.04	251.11	874.14	802.84	71.30	12.260		
7,300.00	6,965.92	7,486.24	6,949.70	34.80	37.93	88.93	710.94	202.30	874.19	801.71	72.49	12.060		
7,350.00	6,970.89	7,535.92	6,949.17	35.37	38.61	88.56	708.81	152.67	874.14	800.38	73.76	11.851		
7,396.89	6,972.00	7,582.77	6,948.66	35.93	39.26	88.47	706.80	105.86	873.92	798.92	75.00	11.653		
7,400.00	6,971.96	7,585.88	6,948.63	35.97	39.31	88.47	706.66	102.76	873.90	798.82	75.08	11.640		
7,500.00	6,970.65	7,685.88	6,947.55	37.28	40.84	88.49	702.37	2.86	873.25	795.29	77.96	11.201		
7,600.00	6,969.33	7,785.88	6,946.47	38.76	42.50	88.50	698.08	-97.04	872.59	791.46	81.13	10.755		
7,700.00	6,968.02	7,885.87	6,945.39	40.39	44.29	88.52	693.79	-196.94	871.94	787.37	84.57	10.310		
7,800.00	6,966.70	7,985.87	6,944.32	42.15	46.19	88.53	689.50	-296.84	871.29	783.04	88.25	9.873		
7,900.00	6,965.39	8,085.87	6,943.24	44.02	48.18	88.55	685.20	-396.74	870.63	778.51	92.12	9.451		
8,000.00	6,964.07	8,185.87	6,942.16	45.99	50.26	88.56	680.91	-496.64	869.98	773.80	96.18	9.045		
8,100.00	6,962.76	8,285.86	6,941.08	48.05	52.40	88.58	676.62	-596.54	869.33	768.93	100.40	8.659		
8,200.00	6,961.45	8,385.86	6,940.00	50.19	54.61	88.59	672.33	-696.44	868.68	763.92	104.75	8.293		
8,300.00	6,960.13	8,485.86	6,938.92	52.39	56.88	88.60	668.04	-796.34	868.02	758.79	109.23	7.947		
8,400.00	6,958.82	8,585.86	6,937.84	54.65	59.20	88.62	663.75	-896.24	867.37	753.56	113.81	7.621		
8,500.00	6,957.50	8,685.85	6,936.77	56.97	61.56	88.63	659.45	-996.14	866.72	748.22	118.49	7.314		
8,600.00	6,956.19	8,785.85	6,935.69	59.33	63.96	88.65	655.16	-1,096.04	866.06	742.81	123.26	7.026		
8,700.00	6,954.87	8,885.85	6,934.61	61.73	66.40	88.66	650.87	-1,195.94	865.41	737.31	128.10	6.756		
8,800.00	6,953.56	8,985.85	6,933.53	64.16	68.86	88.68	646.58	-1,295.84	864.76	731.76	133.00	6.502		
8,900.00	6,952.24	9,085.84	6,932.45	66.63	71.36	88.69	642.29	-1,395.74	864.11	726.14	137.97	6.263		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	9,185.84	6,931.37	69.13	73.88	88.71	638.00	-1,495.64	863.46	720.47	142.99	6.039		
9,100.00	6,949.61	9,285.84	6,930.30	71.65	76.42	88.72	633.70	-1,595.54	862.80	714.75	148.06	5.828		
9,200.00	6,948.30	9,385.84	6,929.22	74.20	78.98	88.74	629.41	-1,695.44	862.15	708.98	153.17	5.629		
9,300.00	6,946.98	9,485.84	6,928.14	76.77	81.56	88.75	625.12	-1,795.34	861.50	703.18	158.32	5.442		
9,400.00	6,945.67	9,585.83	6,927.06	79.35	84.16	88.77	620.83	-1,895.24	860.85	697.35	163.50	5.265		
9,500.00	6,944.35	9,685.83	6,925.98	81.95	86.77	88.78	616.54	-1,995.14	860.19	691.48	168.72	5.098		
9,600.00	6,943.04	9,785.83	6,924.90	84.57	89.40	88.80	612.25	-2,095.04	859.54	685.58	173.96	4.941		
9,700.00	6,941.73	9,885.83	6,923.82	87.21	92.04	88.81	607.96	-2,194.94	858.89	679.66	179.23	4.792		
9,800.00	6,940.41	9,985.82	6,922.75	89.85	94.69	88.83	603.66	-2,294.84	858.24	673.71	184.53	4.651		
9,900.00	6,939.10	10,085.82	6,921.67	92.51	97.35	88.84	599.37	-2,394.74	857.59	667.74	189.85	4.517		
10,000.00	6,937.78	10,185.82	6,920.59	95.17	100.02	88.86	595.08	-2,494.64	856.94	661.75	195.19	4.390		
10,100.00	6,936.47	10,285.82	6,919.51	97.85	102.70	88.87	590.79	-2,594.54	856.28	655.74	200.55	4.270		
10,200.00	6,935.15	10,385.81	6,918.43	100.54	105.39	88.89	586.50	-2,694.44	855.63	649.71	205.92	4.155		
10,300.00	6,933.84	10,485.81	6,917.35	103.23	108.09	88.90	582.21	-2,794.33	854.98	643.67	211.31	4.046		
10,400.00	6,932.52	10,585.81	6,916.27	105.93	110.79	88.92	577.91	-2,894.23	854.33	637.61	216.72	3.942		
10,500.00	6,931.21	10,685.81	6,915.20	108.64	113.50	88.93	573.62	-2,994.13	853.68	631.54	222.14	3.843		
10,600.00	6,929.89	10,785.80	6,914.12	111.36	116.22	88.95	569.33	-3,094.03	853.03	625.45	227.57	3.748		
10,700.00	6,928.58	10,885.80	6,913.04	114.08	118.94	88.96	565.04	-3,193.93	852.37	619.36	233.02	3.658		
10,800.00	6,927.26	10,985.80	6,911.96	116.81	121.67	88.98	560.75	-3,293.83	851.72	613.25	238.47	3.572		
10,900.00	6,925.95	11,085.80	6,910.88	119.54	124.40	88.99	556.46	-3,393.73	851.07	607.13	243.94	3.489		
11,000.00	6,924.64	11,185.79	6,909.80	122.28	127.14	89.01	552.16	-3,493.63	850.42	601.00	249.42	3.410		
11,100.00	6,923.32	11,285.79	6,908.73	125.02	129.88	89.02	547.87	-3,593.53	849.77	594.87	254.90	3.334		
11,200.00	6,922.01	11,385.79	6,907.65	127.77	132.63	89.04	543.58	-3,693.43	849.12	588.72	260.39	3.261		
11,300.00	6,920.69	11,485.79	6,906.57	130.52	135.38	89.05	539.29	-3,793.33	848.47	582.57	265.90	3.191		
11,400.00	6,919.38	11,585.79	6,905.49	133.28	138.13	89.07	535.00	-3,893.23	847.82	576.41	271.40	3.124		
11,500.00	6,918.06	11,685.78	6,904.41	136.04	140.89	89.08	530.71	-3,993.13	847.17	570.25	276.92	3.059		
11,600.00	6,916.75	11,785.78	6,903.33	138.80	143.65	89.10	526.41	-4,093.03	846.52	564.07	282.44	2.997		
11,700.00	6,915.43	11,885.78	6,902.25	141.56	146.41	89.11	522.12	-4,192.93	845.86	557.89	287.97	2.937		
11,800.00	6,914.12	11,985.78	6,901.18	144.33	149.18	89.13	517.83	-4,292.83	845.21	551.71	293.50	2.880		
11,900.00	6,912.80	12,085.77	6,900.10	147.10	151.95	89.14	513.54	-4,392.73	844.56	545.52	299.04	2.824		
12,000.00	6,911.49	12,185.77	6,899.02	149.88	154.72	89.16	509.25	-4,492.63	843.91	539.32	304.59	2.771		
12,100.00	6,910.17	12,285.77	6,897.94	152.65	157.49	89.17	504.96	-4,592.53	843.26	533.12	310.14	2.719		
12,200.00	6,908.86	12,385.77	6,896.86	155.43	160.27	89.19	500.66	-4,692.43	842.61	526.92	315.69	2.669		
12,300.00	6,907.54	12,485.76	6,895.78	158.21	163.05	89.20	496.37	-4,792.33	841.96	520.71	321.25	2.621		
12,400.00	6,906.23	12,585.76	6,894.70	160.99	165.83	89.22	492.08	-4,892.23	841.31	514.49	326.82	2.574		
12,500.00	6,904.92	12,685.76	6,893.63	163.78	168.61	89.24	487.79	-4,992.13	840.66	508.28	332.38	2.529		
12,600.00	6,903.60	12,785.76	6,892.55	166.57	171.39	89.25	483.50	-5,092.03	840.01	502.06	337.95	2.486		
12,700.00	6,902.29	12,885.75	6,891.47	169.35	174.18	89.27	479.21	-5,191.93	839.36	495.83	343.53	2.443		
12,800.00	6,900.97	12,985.75	6,890.39	172.14	176.97	89.28	474.91	-5,291.83	838.71	489.60	349.11	2.402		
12,900.00	6,899.66	13,085.75	6,889.31	174.94	179.75	89.30	470.62	-5,391.73	838.06	483.37	354.69	2.363		
13,000.00	6,898.34	13,185.75	6,888.23	177.73	182.54	89.31	466.33	-5,491.63	837.41	477.14	360.27	2.324		
13,100.00	6,897.03	13,285.75	6,887.16	180.53	185.34	89.33	462.04	-5,591.53	836.76	470.90	365.86	2.287		
13,200.00	6,895.71	13,385.74	6,886.08	183.32	188.13	89.34	457.75	-5,691.43	836.11	464.66	371.45	2.251		
13,300.00	6,894.40	13,485.74	6,885.00	186.12	190.93	89.36	453.46	-5,791.33	835.46	458.42	377.04	2.216		
13,400.00	6,893.08	13,585.74	6,883.92	188.92	193.72	89.38	449.16	-5,891.22	834.81	452.17	382.64	2.182		
13,500.00	6,891.77	13,685.74	6,882.84	191.72	196.52	89.39	444.87	-5,991.12	834.16	445.92	388.24	2.149		
13,600.00	6,890.45	13,785.73	6,881.76	194.52	199.32	89.41	440.58	-6,091.02	833.51	439.67	393.84	2.116		
13,700.00	6,889.14	13,885.73	6,880.68	197.32	202.12	89.42	436.29	-6,190.92	832.86	433.42	399.44	2.085		
13,800.00	6,887.82	13,985.73	6,879.61	200.13	204.92	89.44	432.00	-6,290.82	832.21	427.17	405.05	2.055		
13,900.00	6,886.51	14,085.73	6,878.53	202.93	207.72	89.45	427.71	-6,390.72	831.56	420.91	410.65	2.025		
14,000.00	6,885.20	14,185.72	6,877.45	205.74	210.52	89.47	423.41	-6,490.62	830.91	414.65	416.26	1.996		
14,100.00	6,883.88	14,285.72	6,876.37	208.55	213.33	89.49	419.12	-6,590.52	830.27	408.39	421.87	1.968		

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 13N-6B-M
<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 13N-6B-M	<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 - Boomerang 12N-6B-M - OH - Plan #1												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 0-MWD+IFR1												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	6,882.57	14,385.72	6,875.29	211.35	216.13	89.50	414.83	-6,690.42	829.62	402.13	427.49	1.941	
14,300.00	6,881.25	14,485.72	6,874.21	214.16	218.94	89.52	410.54	-6,790.32	828.97	395.87	433.10	1.914	
14,400.00	6,879.94	14,585.71	6,873.13	216.97	221.74	89.53	406.25	-6,890.22	828.32	389.60	438.72	1.888	
14,500.00	6,878.62	14,685.71	6,872.06	219.78	224.55	89.55	401.96	-6,990.12	827.67	383.33	444.34	1.863	
14,600.00	6,877.31	14,785.71	6,870.98	222.59	227.36	89.57	397.66	-7,090.02	827.02	377.06	449.95	1.838	
14,700.00	6,875.99	14,885.71	6,869.90	225.41	230.17	89.58	393.37	-7,189.92	826.37	370.80	455.58	1.814	
14,800.00	6,874.68	14,985.70	6,868.82	228.22	232.98	89.60	389.08	-7,289.82	825.72	364.52	461.20	1.790	
14,900.00	6,873.36	15,085.70	6,867.74	231.03	235.79	89.61	384.79	-7,389.72	825.07	358.25	466.82	1.767	
15,000.00	6,872.05	15,185.70	6,866.66	233.85	238.60	89.63	380.50	-7,489.62	824.42	351.98	472.45	1.745	
15,100.00	6,870.73	15,285.70	6,865.59	236.66	241.41	89.65	376.21	-7,589.52	823.78	345.70	478.07	1.723	
15,200.00	6,869.42	15,385.70	6,864.51	239.48	244.22	89.66	371.91	-7,689.42	823.13	339.43	483.70	1.702	
15,300.00	6,868.11	15,485.69	6,863.43	242.29	247.04	89.68	367.62	-7,789.32	822.48	333.15	489.33	1.681	
15,400.00	6,866.79	15,585.69	6,862.35	245.11	249.85	89.70	363.33	-7,889.22	821.83	326.87	494.96	1.660	
15,437.73	6,866.29	15,618.10	6,862.00	246.17	250.76	89.70	361.94	-7,921.59	821.60	324.68	496.92	1.653	
15,460.11	6,866.00	15,618.10	6,862.00	246.80	250.76	89.70	361.94	-7,921.59	821.91	324.62	497.29	1.653 SF	
15,460.74	6,865.99	15,618.10	6,862.00	246.82	250.76	89.70	361.94	-7,921.59	821.93	324.63	497.29	1.653	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	15.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-14.94	-1.39	15.00	8.43	6.57	2.283		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-14.94	-1.39	15.00	8.33	6.67	2.248		
274.24	274.23	274.23	274.23	3.41	3.41	90.00	-14.94	-1.39	14.97	8.15	6.82	2.194 CC		
300.00	299.98	299.98	299.98	3.44	3.44	92.99	-14.94	-1.39	14.99	8.10	6.89	2.177		
400.00	399.84	399.87	399.85	3.60	3.60	105.67	-15.63	0.20	16.01	8.81	7.19	2.225		
500.00	499.45	499.86	499.70	3.80	3.79	115.47	-17.73	4.99	18.54	10.95	7.59	2.443		
584.50	583.35	584.42	583.95	4.01	3.99	120.99	-20.60	11.53	21.64	13.65	8.00	2.706		
600.00	598.71	599.94	599.39	4.05	4.03	121.68	-21.23	12.98	22.27	14.19	8.08	2.757		
700.00	697.81	700.13	698.83	4.33	4.30	121.09	-26.13	24.16	25.73	17.10	8.64	2.979		
800.00	796.91	800.25	797.71	4.64	4.61	113.86	-32.41	38.51	28.43	19.17	9.26	3.071		
900.00	896.01	900.06	895.68	4.98	4.96	101.63	-40.06	55.96	31.48	21.54	9.93	3.168		
1,000.00	995.11	999.31	992.39	5.34	5.33	86.68	-49.01	76.40	36.60	25.93	10.66	3.432		
1,100.00	1,094.21	1,097.79	1,087.51	5.71	5.74	72.19	-59.21	99.71	45.31	33.89	11.42	3.966		
1,200.00	1,193.31	1,203.55	1,182.27	6.10	6.21	61.13	-70.25	124.91	57.40	45.18	12.22	4.698		
1,300.00	1,292.41	1,304.77	1,277.12	6.49	6.69	54.04	-81.31	150.17	70.89	57.88	13.01	5.451		
1,400.00	1,391.51	1,406.00	1,371.96	6.90	7.18	49.25	-92.37	175.42	85.10	71.30	13.81	6.164		
1,500.00	1,490.61	1,492.78	1,466.81	7.31	7.62	45.84	-103.44	200.68	99.73	85.17	14.56	6.850		
1,600.00	1,589.71	1,608.45	1,561.66	7.73	8.21	43.31	-114.50	225.94	114.62	99.17	15.45	7.417		
1,700.00	1,688.81	1,709.67	1,656.51	8.16	8.74	41.37	-125.56	251.20	129.68	113.38	16.30	7.957		
1,800.00	1,787.92	1,789.10	1,751.36	8.59	9.16	39.83	-136.62	276.45	144.85	127.80	17.05	8.494		
1,900.00	1,887.02	1,887.88	1,846.21	9.02	9.69	38.58	-147.68	301.71	160.10	142.20	17.91	8.941		
2,000.00	1,986.12	1,986.65	1,941.05	9.46	10.23	37.55	-158.74	326.97	175.42	156.65	18.77	9.347		
2,100.00	2,085.22	2,085.43	2,035.90	9.90	10.76	36.68	-169.80	352.23	190.78	171.15	19.64	9.715		
2,200.00	2,184.32	2,184.20	2,130.75	10.34	11.31	35.95	-180.87	377.48	206.18	185.67	20.51	10.051		
2,300.00	2,283.42	2,282.98	2,226.60	10.78	11.85	35.31	-191.93	402.74	221.61	200.22	21.39	10.358		
2,400.00	2,382.52	2,381.75	2,320.45	11.23	12.40	34.76	-202.99	428.00	237.06	214.78	22.28	10.639		
2,500.00	2,481.62	2,480.53	2,415.30	11.68	12.96	34.28	-214.05	453.25	252.53	229.36	23.17	10.898		
2,600.00	2,580.72	2,579.30	2,510.15	12.13	13.51	33.85	-225.11	478.51	268.02	243.95	24.07	11.136		
2,700.00	2,679.82	2,678.08	2,604.99	12.58	14.07	33.47	-236.17	503.77	283.52	258.55	24.97	11.355		
2,800.00	2,778.92	2,776.85	2,699.84	13.03	14.62	33.13	-247.24	529.03	299.03	273.16	25.87	11.559		
2,900.00	2,878.02	2,875.63	2,794.69	13.48	15.18	32.82	-258.30	554.28	314.55	287.77	26.78	11.747		
3,000.00	2,977.12	2,974.40	2,889.54	13.94	15.75	32.54	-269.36	579.54	330.07	302.39	27.68	11.923		
3,100.00	3,076.22	3,073.18	2,984.39	14.39	16.31	32.28	-280.42	604.80	345.61	317.01	28.59	12.087		
3,200.00	3,175.32	3,171.95	3,079.24	14.85	16.87	32.05	-291.48	630.05	361.15	331.64	29.51	12.240		
3,300.00	3,274.43	3,270.73	3,174.08	15.30	17.44	31.84	-302.54	655.31	376.69	346.27	30.42	12.383		
3,400.00	3,373.53	3,380.24	3,279.56	15.76	18.05	31.67	-314.35	682.27	391.26	359.80	31.46	12.437		
3,500.00	3,472.63	3,494.79	3,390.98	16.22	18.66	31.70	-325.02	706.62	402.21	369.70	32.51	12.372		
3,600.00	3,571.73	3,610.13	3,504.14	16.68	19.23	31.91	-333.94	727.00	409.34	375.83	33.51	12.216		
3,700.00	3,670.83	3,725.87	3,618.51	17.14	19.75	32.32	-341.05	743.24	412.63	378.19	34.45	11.978		
3,800.00	3,769.93	3,841.65	3,733.54	17.59	20.25	32.92	-346.30	755.23	412.11	376.78	35.33	11.664		
3,900.00	3,869.03	3,957.09	3,848.66	18.05	20.71	33.73	-349.68	762.94	407.81	371.66	36.15	11.281		
4,000.00	3,968.13	4,071.81	3,963.32	18.51	21.13	34.78	-351.19	766.39	399.81	362.90	36.91	10.833		
4,100.00	4,067.23	4,175.73	4,067.23	18.98	21.49	35.95	-351.29	766.61	389.05	351.34	37.71	10.317		
4,200.00	4,166.33	4,274.83	4,166.33	19.44	21.83	37.13	-351.29	766.61	378.27	339.70	38.56	9.809		
4,300.00	4,265.43	4,373.93	4,265.43	19.90	22.18	38.39	-351.29	766.61	367.65	328.23	39.43	9.325		
4,400.00	4,364.53	4,473.03	4,364.53	20.36	22.53	39.72	-351.29	766.61	357.22	316.93	40.30	8.865		
4,500.00	4,463.63	4,572.13	4,463.63	20.82	22.88	41.12	-351.29	766.61	347.00	305.82	41.17	8.428		
4,600.00	4,562.73	4,671.23	4,562.73	21.28	23.23	42.61	-351.29	766.61	336.99	294.93	42.06	8.012		
4,700.00	4,661.83	4,770.33	4,661.83	21.75	23.58	44.19	-351.29	766.61	327.23	284.27	42.95	7.618		
4,800.00	4,760.93	4,869.43	4,760.93	22.21	23.94	45.87	-351.29	766.61	317.73	273.87	43.86	7.244		
4,900.00	4,860.04	4,968.53	4,860.04	22.67	24.30	47.64	-351.29	766.61	308.51	263.74	44.77	6.890		

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 13N-6B-M
<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 13N-6B-M	<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		
5,000.00	4,959.14	5,067.63	4,959.14	23.13	24.67	49.52	-351.29	766.61	299.61	253.92	45.70	6.556		
5,100.00	5,058.24	5,166.74	5,058.24	23.60	25.03	51.52	-351.29	766.61	291.06	244.43	46.63	6.241		
5,200.00	5,157.34	5,265.84	5,157.34	24.06	25.40	53.63	-351.29	766.61	282.88	235.30	47.58	5.946		
5,300.00	5,256.44	5,364.94	5,256.44	24.52	25.77	55.86	-351.29	766.61	275.11	226.57	48.53	5.668		
5,400.00	5,355.54	5,464.04	5,355.54	24.99	26.14	58.21	-351.29	766.61	267.78	218.28	49.50	5.410		
5,500.00	5,454.64	5,563.14	5,454.64	25.45	26.51	60.69	-351.29	766.61	260.93	210.46	50.47	5.170		
5,600.00	5,553.74	5,662.24	5,553.74	25.92	26.89	63.30	-351.29	766.61	254.60	203.15	51.45	4.948		
5,700.00	5,652.84	5,761.34	5,652.84	26.38	27.27	66.03	-351.29	766.61	248.83	196.39	52.44	4.745		
5,800.00	5,751.94	5,860.44	5,751.94	26.84	27.65	68.89	-351.29	766.61	243.66	190.23	53.43	4.560		
5,900.00	5,851.04	5,959.54	5,851.04	27.31	28.03	71.86	-351.29	766.61	239.13	184.70	54.43	4.393		
6,000.00	5,950.14	6,058.64	5,950.14	27.77	28.41	74.93	-351.29	766.61	235.27	179.85	55.42	4.245		
6,100.00	6,049.24	6,157.74	6,049.24	28.24	28.79	78.09	-351.29	766.61	232.12	175.71	56.41	4.115		
6,200.00	6,148.34	6,256.84	6,148.34	28.70	29.18	81.33	-351.29	766.61	229.71	172.31	57.40	4.002		
6,304.69	6,252.09	6,360.59	6,252.09	29.19	29.58	84.78	-351.29	766.61	228.00	169.58	58.42	3.903		
6,350.00	6,297.17	6,405.67	6,297.17	29.39	29.76	73.76	-351.29	766.61	227.32	168.49	58.83	3.864		
6,400.00	6,347.13	6,455.63	6,347.13	29.59	29.95	-27.48	-351.29	766.61	226.16	166.92	59.24	3.818		
6,450.00	6,397.02	6,505.51	6,397.02	29.78	30.15	-68.48	-351.29	766.61	224.53	164.92	59.60	3.767		
6,500.00	6,446.53	6,555.02	6,446.53	29.96	30.34	-76.94	-351.29	766.61	222.57	162.64	59.93	3.714		
6,550.00	6,495.35	6,603.85	6,495.35	30.14	30.54	-82.35	-351.29	766.61	220.64	160.43	60.21	3.664		
6,600.00	6,543.19	6,651.82	6,543.32	30.33	30.72	-87.41	-351.29	766.50	219.32	158.88	60.44	3.629		
6,636.19	6,577.04	6,686.92	6,578.38	30.46	30.85	-90.92	-351.34	764.88	219.03	158.45	60.57	3.616		
6,650.00	6,589.76	6,700.47	6,591.89	30.52	30.90	-92.22	-351.38	763.73	219.07	158.45	60.62	3.614		
6,700.00	6,634.75	6,750.35	6,641.30	30.71	31.09	-96.75	-351.59	757.06	219.95	159.23	60.72	3.622		
6,750.00	6,677.90	6,801.55	6,691.33	30.91	31.29	-101.07	-351.95	746.22	221.95	161.22	60.73	3.655		
6,800.00	6,718.94	6,854.18	6,741.66	31.13	31.50	-105.19	-352.44	730.92	225.00	164.41	60.59	3.714		
6,850.00	6,757.62	6,908.33	6,791.96	31.36	31.73	-109.10	-353.09	710.90	229.00	168.75	60.25	3.801		
6,900.00	6,793.70	6,964.10	6,841.78	31.61	31.99	-112.77	-353.90	685.89	233.80	174.13	59.67	3.918		
6,950.00	6,826.95	7,021.58	6,890.63	31.88	32.26	-116.19	-354.87	655.66	239.24	180.39	58.85	4.065		
7,000.00	6,857.18	7,080.83	6,937.92	32.19	32.58	-119.33	-356.03	620.03	245.12	187.34	57.79	4.242		
7,050.00	6,884.18	7,141.90	6,982.99	32.52	32.93	-122.19	-357.36	578.86	251.24	194.72	56.53	4.445		
7,100.00	6,907.81	7,204.82	7,025.06	32.90	33.35	-124.76	-358.87	532.14	257.39	202.24	55.14	4.668		
7,150.00	6,927.91	7,269.56	7,063.33	33.32	33.83	-127.02	-360.55	479.98	263.34	209.58	53.76	4.898		
7,200.00	6,944.36	7,336.06	7,096.91	33.77	34.39	-128.97	-362.41	422.64	268.90	216.38	52.52	5.120		
7,250.00	6,957.05	7,404.20	7,124.92	34.27	35.03	-130.61	-364.41	360.59	273.88	222.28	51.60	5.308		
7,300.00	6,965.92	7,473.80	7,146.51	34.80	35.76	-131.93	-366.55	294.50	278.10	226.92	51.18	5.433		
7,350.00	6,970.89	7,544.63	7,160.95	35.37	36.58	-132.93	-368.79	225.24	281.42	230.01	51.40	5.475		
7,396.89	6,972.00	7,611.90	7,167.45	35.93	37.41	-133.57	-370.95	158.35	283.60	231.33	52.27	5.425		
7,400.00	6,971.96	7,616.37	7,167.63	35.97	37.47	-133.60	-371.10	153.88	283.71	231.35	52.36	5.419		
7,500.00	6,970.65	7,726.46	7,166.89	37.28	38.96	-133.77	-374.65	43.86	283.72	228.98	54.74	5.183		
7,600.00	6,969.33	7,826.46	7,165.44	38.76	40.47	-133.81	-377.88	-56.07	283.34	226.26	57.07	4.964		
7,700.00	6,968.02	7,926.46	7,164.00	40.39	42.12	-133.85	-381.11	-156.01	282.95	223.32	59.63	4.745		
7,800.00	6,966.70	8,026.46	7,162.56	42.15	43.89	-133.89	-384.34	-255.95	282.56	220.19	62.37	4.531		
7,900.00	6,965.39	8,126.46	7,161.12	44.02	45.77	-133.93	-387.58	-355.88	282.17	216.90	65.27	4.323		
8,000.00	6,964.07	8,226.45	7,159.67	45.99	47.75	-133.97	-390.81	-455.82	281.78	213.46	68.32	4.124		
8,100.00	6,962.76	8,326.45	7,158.23	48.05	49.82	-134.01	-394.04	-555.76	281.40	209.90	71.50	3.936		
8,200.00	6,961.45	8,426.45	7,156.79	50.19	51.96	-134.05	-397.27	-655.69	281.01	206.23	74.78	3.758		
8,300.00	6,960.13	8,526.45	7,155.34	52.39	54.16	-134.09	-400.50	-755.63	280.62	202.47	78.15	3.591		
8,400.00	6,958.82	8,626.45	7,153.90	54.65	56.43	-134.13	-403.73	-855.56	280.24	198.63	81.60	3.434		
8,500.00	6,957.50	8,726.45	7,152.46	56.97	58.74	-134.17	-406.96	-955.50	279.85	194.72	85.13	3.287		
8,600.00	6,956.19	8,826.45	7,151.01	59.33	61.10	-134.21	-410.19	-1,055.44	279.46	190.75	88.71	3.150		
8,700.00	6,954.87	8,926.45	7,149.57	61.73	63.50	-134.25	-413.42	-1,155.37	279.08	186.72	92.35	3.022		
8,800.00	6,953.56	9,026.45	7,148.13	64.16	65.93	-134.29	-416.65	-1,255.31	278.69	182.65	96.04	2.902		

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 13N-6B-M
<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 13N-6B-M	<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	6,952.24	9,126.45	7,146.68	66.63	68.40	-134.33	-419.88	-1,355.25	278.30	178.54	99.76	2.790		
9,000.00	6,950.93	9,226.45	7,145.24	69.13	70.89	-134.37	-423.12	-1,455.18	277.92	174.39	103.53	2.685		
9,100.00	6,949.61	9,326.44	7,143.80	71.65	73.41	-134.41	-426.35	-1,555.12	277.53	170.21	107.32	2.586		
9,200.00	6,948.30	9,426.44	7,142.36	74.20	75.96	-134.45	-429.58	-1,655.06	277.15	166.01	111.14	2.494		
9,300.00	6,946.98	9,526.44	7,140.91	76.77	78.52	-134.49	-432.81	-1,754.99	276.76	161.78	114.98	2.407		
9,400.00	6,945.67	9,626.44	7,139.47	79.35	81.10	-134.53	-436.04	-1,854.93	276.38	157.53	118.85	2.325		
9,500.00	6,944.35	9,726.44	7,138.03	81.95	83.70	-134.58	-439.27	-1,954.87	275.99	153.25	122.74	2.249		
9,600.00	6,943.04	9,826.44	7,136.58	84.57	86.32	-134.62	-442.50	-2,054.80	275.60	148.97	126.64	2.176		
9,700.00	6,941.73	9,926.44	7,135.14	87.21	88.94	-134.66	-445.73	-2,154.74	275.22	144.67	130.55	2.108		
9,800.00	6,940.41	10,026.44	7,133.70	89.85	91.59	-134.70	-448.96	-2,254.67	274.83	140.35	134.48	2.044		
9,900.00	6,939.10	10,126.44	7,132.25	92.51	94.24	-134.74	-452.19	-2,354.61	274.45	136.03	138.42	1.983		
10,000.00	6,937.78	10,226.44	7,130.81	95.17	96.90	-134.78	-455.42	-2,454.55	274.07	131.69	142.37	1.925		
10,100.00	6,936.47	10,326.44	7,129.37	97.85	99.58	-134.83	-458.65	-2,554.48	273.68	127.35	146.33	1.870		
10,200.00	6,935.15	10,426.43	7,127.93	100.54	102.26	-134.87	-461.89	-2,654.42	273.30	123.00	150.30	1.818		
10,300.00	6,933.84	10,526.43	7,126.48	103.23	104.95	-134.91	-465.12	-2,754.36	272.91	118.64	154.27	1.769		
10,400.00	6,932.52	10,626.43	7,125.04	105.93	107.65	-134.95	-468.35	-2,854.29	272.53	114.28	158.25	1.722		
10,500.00	6,931.21	10,726.43	7,123.60	108.64	110.36	-135.00	-471.58	-2,954.23	272.14	109.92	162.23	1.678		
10,600.00	6,929.89	10,826.43	7,122.15	111.36	113.08	-135.04	-474.81	-3,054.17	271.76	105.55	166.21	1.635		
10,700.00	6,928.58	10,926.43	7,120.71	114.08	115.80	-135.08	-478.04	-3,154.10	271.38	101.17	170.20	1.594		
10,800.00	6,927.26	11,026.43	7,119.27	116.81	118.52	-135.12	-481.27	-3,254.04	270.99	96.80	174.19	1.556		
10,900.00	6,925.95	11,126.43	7,117.82	119.54	121.25	-135.17	-484.50	-3,353.98	270.61	92.42	178.19	1.519		
11,000.00	6,924.64	11,226.43	7,116.38	122.28	123.99	-135.21	-487.73	-3,453.91	270.23	88.04	182.18	1.483 Level 3		
11,100.00	6,923.32	11,326.43	7,114.94	125.02	126.73	-135.25	-490.96	-3,553.85	269.84	83.66	186.18	1.449 Level 3		
11,200.00	6,922.01	11,426.42	7,113.49	127.77	129.48	-135.30	-494.19	-3,653.78	269.46	79.28	190.18	1.417 Level 3		
11,300.00	6,920.69	11,526.42	7,112.05	130.52	132.22	-135.34	-497.43	-3,753.72	269.08	74.91	194.17	1.386 Level 3		
11,400.00	6,919.38	11,626.42	7,110.61	133.28	134.98	-135.38	-500.66	-3,853.66	268.70	70.53	198.17	1.356 Level 3		
11,500.00	6,918.06	11,726.42	7,109.17	136.04	137.74	-135.43	-503.89	-3,953.59	268.31	66.15	202.17	1.327 Level 3		
11,600.00	6,916.75	11,826.42	7,107.72	138.80	140.50	-135.47	-507.12	-4,053.53	267.93	61.77	206.16	1.300 Level 3		
11,700.00	6,915.43	11,926.42	7,106.28	141.56	143.26	-135.51	-510.35	-4,153.47	267.55	57.39	210.15	1.273 Level 3		
11,800.00	6,914.12	12,026.42	7,104.84	144.33	146.03	-135.56	-513.58	-4,253.40	267.17	53.02	214.15	1.248 Level 2		
11,900.00	6,912.80	12,126.42	7,103.39	147.10	148.80	-135.60	-516.81	-4,353.34	266.79	48.65	218.14	1.223 Level 2		
12,000.00	6,911.49	12,226.42	7,101.95	149.88	151.57	-135.65	-520.04	-4,453.28	266.40	44.28	222.13	1.199 Level 2		
12,100.00	6,910.17	12,326.42	7,100.51	152.65	154.34	-135.69	-523.27	-4,553.21	266.02	39.91	226.11	1.177 Level 2		
12,200.00	6,908.86	12,426.42	7,099.06	155.43	157.12	-135.74	-526.50	-4,653.15	265.64	35.55	230.10	1.154 Level 2		
12,300.00	6,907.54	12,526.41	7,097.62	158.21	159.90	-135.78	-529.73	-4,753.09	265.26	31.18	234.08	1.133 Level 2		
12,400.00	6,906.23	12,626.41	7,096.18	160.99	162.68	-135.83	-532.96	-4,853.02	264.88	26.82	238.06	1.113 Level 2		
12,500.00	6,904.92	12,726.41	7,094.73	163.78	165.47	-135.87	-536.20	-4,952.96	264.50	22.47	242.03	1.093 Level 2		
12,600.00	6,903.60	12,826.41	7,093.29	166.57	168.25	-135.92	-539.43	-5,052.89	264.12	18.12	246.00	1.074 Level 2		
12,700.00	6,902.29	12,926.41	7,091.85	169.35	171.04	-135.96	-542.66	-5,152.83	263.74	13.77	249.97	1.055 Level 2		
12,800.00	6,900.97	13,026.41	7,090.41	172.14	173.83	-136.01	-545.89	-5,252.77	263.36	9.42	253.94	1.037 Level 2		
12,900.00	6,899.66	13,126.41	7,088.96	174.94	176.62	-136.05	-549.12	-5,352.70	262.98	5.08	257.90	1.020 Level 2		
13,000.00	6,898.34	13,226.41	7,087.52	177.73	179.42	-136.10	-552.35	-5,452.64	262.60	0.74	261.85	1.003 Level 2		
13,100.00	6,897.03	13,326.41	7,086.08	180.53	182.21	-136.14	-555.58	-5,552.58	262.22	-3.59	265.81	0.986 Level 1		
13,200.00	6,895.71	13,426.41	7,084.63	183.32	185.01	-136.19	-558.81	-5,652.51	261.84	-7.92	269.76	0.971 Level 1		
13,300.00	6,894.40	13,526.41	7,083.19	186.12	187.81	-136.24	-562.04	-5,752.45	261.46	-12.24	273.70	0.955 Level 1		
13,400.00	6,893.08	13,626.40	7,081.75	188.92	190.60	-136.28	-565.27	-5,852.39	261.08	-16.56	277.64	0.940 Level 1		
13,500.00	6,891.77	13,726.40	7,080.30	191.72	193.40	-136.33	-568.50	-5,952.32	260.70	-20.88	281.58	0.926 Level 1		
13,600.00	6,890.45	13,826.40	7,078.86	194.52	196.21	-136.37	-571.74	-6,052.26	260.32	-25.19	285.51	0.912 Level 1		
13,700.00	6,889.14	13,926.40	7,077.42	197.32	199.01	-136.42	-574.97	-6,152.20	259.94	-29.50	289.44	0.898 Level 1		
13,800.00	6,887.82	14,026.40	7,075.97	200.13	201.81	-136.47	-578.20	-6,252.13	259.56	-33.80	293.36	0.885 Level 1		
13,900.00	6,886.51	14,126.40	7,074.53	202.93	204.62	-136.51	-581.43	-6,352.07	259.19	-38.09	297.28	0.872 Level 1		
14,000.00	6,885.20	14,226.40	7,073.09	205.74	207.42	-136.56	-584.66	-6,452.00	258.81	-42.38	301.19	0.859 Level 1		

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 13N-6B-M
<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 13N-6B-M	<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 - Boomerang 13C-6-M - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
14,100.00	6,883.88	14,326.40	7,071.65	208.55	210.23	-136.61	-587.89	-6,551.94	258.43	-46.67	305.10	0.847	Level 1				
14,200.00	6,882.57	14,426.40	7,070.20	211.35	213.04	-136.66	-591.12	-6,651.88	258.05	-50.95	309.00	0.835	Level 1				
14,300.00	6,881.25	14,526.40	7,068.76	214.16	215.85	-136.70	-594.35	-6,751.81	257.67	-55.23	312.90	0.824	Level 1				
14,400.00	6,879.94	14,626.39	7,067.32	216.97	218.66	-136.75	-597.58	-6,851.75	257.30	-59.50	316.79	0.812	Level 1				
14,500.00	6,878.62	14,726.39	7,065.87	219.78	221.47	-136.80	-600.81	-6,951.69	256.92	-63.76	320.68	0.801	Level 1				
14,600.00	6,877.31	14,826.39	7,064.43	222.59	224.28	-136.85	-604.04	-7,051.62	256.54	-68.02	324.56	0.790	Level 1				
14,700.00	6,875.99	14,926.39	7,062.99	225.41	227.09	-136.89	-607.27	-7,151.56	256.17	-72.27	328.44	0.780	Level 1				
14,800.00	6,874.68	15,026.39	7,061.54	228.22	229.91	-136.94	-610.51	-7,251.50	255.79	-76.52	332.31	0.770	Level 1				
14,900.00	6,873.36	15,126.39	7,060.10	231.03	232.72	-136.99	-613.74	-7,351.43	255.41	-80.76	336.17	0.760	Level 1				
15,000.00	6,872.05	15,226.39	7,058.66	233.85	235.53	-137.04	-616.97	-7,451.37	255.04	-85.00	340.03	0.750	Level 1				
15,100.00	6,870.73	15,326.39	7,057.21	236.66	238.35	-137.09	-620.20	-7,551.31	254.66	-89.23	343.89	0.741	Level 1				
15,200.00	6,869.42	15,426.39	7,055.77	239.48	241.16	-137.14	-623.43	-7,651.24	254.28	-93.45	347.73	0.731	Level 1				
15,300.00	6,868.11	15,526.39	7,054.33	242.29	243.98	-137.18	-626.66	-7,751.18	253.91	-97.67	351.57	0.722	Level 1				
15,400.00	6,866.79	15,626.39	7,052.89	245.11	246.80	-137.23	-629.89	-7,851.12	253.53	-101.88	355.41	0.713	Level 1				
15,460.11	6,866.00	15,686.50	7,052.02	246.80	248.49	-137.26	-631.83	-7,911.19	253.31	-104.41	357.71	0.708	Level 1				
15,460.74	6,865.99	15,687.12	7,052.01	246.82	248.51	-137.26	-631.85	-7,911.81	253.30	-104.43	357.74	0.708	Level 1, ES, SF				

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	6.25	119.49	13.08	120.20					
100.00	100.00	100.00	100.00	3.28	3.28	6.25	119.49	13.08	120.20	113.63	6.57	18.297		
200.00	200.00	200.00	200.00	3.34	3.34	6.25	119.49	13.08	120.20	113.53	6.67	18.010 CC		
300.00	299.98	299.98	299.98	3.44	3.44	-93.58	119.49	13.08	120.30	113.41	6.89	17.468 ES		
400.00	399.84	395.79	395.77	3.60	3.60	-96.00	121.08	12.97	122.39	115.19	7.20	16.996		
500.00	499.45	491.03	490.89	3.80	3.79	-99.83	125.84	12.64	128.61	120.99	7.62	16.884 SF		
584.50	583.35	570.77	570.37	4.01	3.98	-103.72	132.24	12.20	137.53	129.50	8.03	17.119		
600.00	598.71	585.32	584.84	4.05	4.02	-104.49	133.65	12.10	139.55	131.43	8.12	17.195		
700.00	697.81	678.63	677.53	4.33	4.27	-108.89	144.41	11.36	155.02	146.35	8.67	17.878		
800.00	796.91	770.96	768.84	4.64	4.55	-112.29	158.02	10.42	174.42	165.16	9.27	18.823		
900.00	896.01	867.97	864.52	4.98	4.86	-115.06	173.99	9.31	196.02	186.13	9.88	19.832		
1,000.00	995.11	965.21	960.43	5.34	5.19	-117.28	190.00	8.20	217.96	207.43	10.54	20.687		
1,100.00	1,094.21	1,062.46	1,056.34	5.71	5.54	-119.09	206.01	7.09	240.17	228.94	11.23	21.395		
1,200.00	1,193.31	1,159.71	1,152.26	6.10	5.90	-120.60	222.02	5.99	262.56	250.62	11.94	21.988		
1,300.00	1,292.41	1,256.95	1,248.17	6.49	6.28	-121.87	238.04	4.88	285.11	272.43	12.68	22.485		
1,400.00	1,391.51	1,354.20	1,344.08	6.90	6.67	-122.95	254.05	3.77	307.76	294.32	13.44	22.903		
1,500.00	1,490.61	1,451.45	1,439.99	7.31	7.07	-123.89	270.06	2.66	330.51	316.30	14.21	23.257		
1,600.00	1,589.71	1,548.69	1,535.91	7.73	7.47	-124.70	286.07	1.55	353.33	338.33	15.00	23.557		
1,700.00	1,688.81	1,645.94	1,631.82	8.16	7.88	-125.42	302.08	0.44	376.20	360.41	15.80	23.814		
1,800.00	1,787.92	1,743.18	1,727.73	8.59	8.29	-126.05	318.10	-0.67	399.13	382.53	16.61	24.035		
1,900.00	1,887.02	1,840.43	1,823.64	9.02	8.71	-126.62	334.11	-1.77	422.10	404.68	17.42	24.226		
2,000.00	1,986.12	1,937.68	1,919.56	9.46	9.13	-127.13	350.12	-2.88	445.11	426.86	18.25	24.392		
2,100.00	2,085.22	2,034.92	2,015.47	9.90	9.56	-127.58	366.13	-3.99	468.14	449.06	19.08	24.537		
2,200.00	2,184.32	2,132.17	2,111.38	10.34	9.99	-128.00	382.14	-5.10	491.20	471.28	19.92	24.664		
2,300.00	2,283.42	2,229.41	2,207.30	10.78	10.42	-128.37	398.16	-6.21	514.28	493.53	20.76	24.776		
2,400.00	2,382.52	2,326.66	2,303.21	11.23	10.85	-128.72	414.17	-7.32	537.38	515.78	21.60	24.875		
2,500.00	2,481.62	2,423.91	2,399.12	11.68	11.28	-129.04	430.18	-8.42	560.50	538.05	22.45	24.963		
2,600.00	2,580.72	2,521.15	2,495.03	12.13	11.72	-129.33	446.19	-9.53	583.64	560.33	23.31	25.042		
2,700.00	2,679.82	2,618.40	2,590.95	12.58	12.15	-129.60	462.20	-10.64	606.78	582.62	24.16	25.113		
2,800.00	2,778.92	2,715.65	2,686.86	13.03	12.59	-129.85	478.22	-11.75	629.94	604.92	25.02	25.176		
2,900.00	2,878.02	2,812.89	2,782.77	13.48	13.03	-130.08	494.23	-12.86	653.11	627.23	25.88	25.233		
3,000.00	2,977.12	2,910.14	2,878.68	13.94	13.47	-130.29	510.24	-13.97	676.29	649.54	26.75	25.285		
3,100.00	3,076.22	3,007.38	2,974.60	14.39	13.92	-130.50	526.25	-15.08	699.47	671.86	27.61	25.332		
3,200.00	3,175.32	3,104.63	3,070.51	14.85	14.36	-130.68	542.26	-16.18	722.67	694.19	28.48	25.375		
3,300.00	3,274.43	3,201.88	3,166.42	15.30	14.80	-130.86	558.28	-17.29	745.87	716.52	29.35	25.414		
3,400.00	3,373.53	3,300.88	3,262.33	15.76	15.25	-131.03	574.29	-18.40	769.08	738.85	30.23	25.443		
3,500.00	3,472.63	3,403.63	3,358.25	16.22	15.72	-131.18	590.30	-19.51	792.29	761.17	31.12	25.455		
3,600.00	3,571.73	3,506.38	3,454.16	16.68	16.19	-131.33	606.31	-20.62	815.51	783.49	32.02	25.466		
3,700.00	3,670.83	3,609.14	3,550.07	17.14	16.67	-131.47	622.32	-21.73	838.73	805.81	32.92	25.476		
3,800.00	3,769.93	3,688.11	3,645.98	17.59	17.03	-131.60	638.34	-22.83	861.96	828.25	33.72	25.565		
3,900.00	3,869.03	3,785.35	3,741.90	18.05	17.48	-131.73	654.35	-23.94	885.19	850.60	34.59	25.589		
4,000.00	3,968.13	3,882.60	3,837.81	18.51	17.92	-131.85	670.36	-25.05	908.43	872.96	35.47	25.611		
4,100.00	4,067.23	3,979.85	3,933.72	18.98	18.37	-131.96	686.37	-26.16	931.67	895.32	36.35	25.631		
4,200.00	4,166.33	4,077.09	4,029.63	19.44	18.82	-132.07	702.38	-27.27	954.91	917.68	37.23	25.650		
4,300.00	4,265.43	4,174.34	4,125.55	19.90	19.27	-132.17	718.39	-28.38	978.16	940.05	38.11	25.667		
4,400.00	4,364.53	4,271.59	4,221.46	20.36	19.72	-132.27	734.41	-29.48	1,001.41	962.42	38.99	25.684		
4,500.00	4,463.63	4,368.83	4,317.37	20.82	20.17	-132.36	750.42	-30.59	1,024.66	984.78	39.87	25.699		
4,600.00	4,562.73	4,466.08	4,413.28	21.28	20.62	-132.45	766.43	-31.70	1,047.91	1,007.16	40.75	25.713		
4,700.00	4,661.83	4,563.32	4,509.20	21.75	21.07	-132.53	782.44	-32.81	1,071.17	1,029.53	41.64	25.727		
4,800.00	4,760.93	4,660.57	4,605.11	22.21	21.52	-132.62	798.45	-33.92	1,094.42	1,051.90	42.52	25.739		
4,900.00	4,860.04	4,757.82	4,701.02	22.67	21.97	-132.69	814.47	-35.03	1,117.68	1,074.28	43.40	25.751		
5,000.00	4,959.14	4,855.06	4,796.93	23.13	22.42	-132.77	830.48	-36.14	1,140.95	1,096.66	44.29	25.762		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,952.31	4,892.85	23.60	22.87	-132.84	846.49	-37.24	1,164.21	1,119.04	45.17	25.772		
5,200.00	5,157.34	5,049.56	4,988.76	24.06	23.32	-132.91	862.50	-38.35	1,187.47	1,141.42	46.06	25.782		
5,300.00	5,256.44	5,146.80	5,084.67	24.52	23.77	-132.98	878.51	-39.46	1,210.74	1,163.80	46.94	25.791		
5,400.00	5,355.54	5,244.05	5,180.58	24.99	24.22	-133.04	894.53	-40.57	1,234.01	1,186.18	47.83	25.800		
5,500.00	5,454.64	5,341.29	5,276.50	25.45	24.67	-133.10	910.54	-41.68	1,257.28	1,208.56	48.72	25.808		
5,600.00	5,553.74	5,438.54	5,372.41	25.92	25.12	-133.16	926.55	-42.79	1,280.55	1,230.95	49.60	25.816		
5,700.00	5,652.84	5,535.79	5,468.32	26.38	25.58	-133.22	942.56	-43.89	1,303.82	1,253.33	50.49	25.823		
5,800.00	5,751.94	5,633.03	5,564.23	26.84	26.03	-133.27	958.57	-45.00	1,327.10	1,275.72	51.38	25.830		
5,900.00	5,851.04	5,730.28	5,660.15	27.31	26.48	-133.33	974.59	-46.11	1,350.37	1,298.10	52.27	25.836		
6,000.00	5,950.14	5,827.53	5,756.06	27.77	26.93	-133.38	990.60	-47.22	1,373.65	1,320.49	53.15	25.843		
6,100.00	6,049.24	5,924.77	5,851.97	28.24	27.38	-133.43	1,006.61	-48.33	1,396.92	1,342.88	54.04	25.849		
6,200.00	6,148.34	6,022.02	5,947.89	28.70	27.84	-133.47	1,022.62	-49.44	1,420.20	1,365.27	54.93	25.854		
6,304.69	6,252.09	7,465.91	6,831.99	29.19	37.32	-102.76	1,172.20	770.15	1,419.84	1,361.13	58.71	24.183		
6,350.00	6,297.17	7,470.76	6,832.04	29.39	37.39	-112.99	1,172.22	775.00	1,403.01	1,343.16	59.84	23.444		
6,400.00	6,347.13	7,472.37	6,832.06	29.59	37.41	147.27	1,172.23	776.61	1,385.92	1,324.92	61.00	22.721		
6,450.00	6,397.02	7,470.07	6,832.03	29.78	37.38	108.44	1,172.22	774.31	1,370.57	1,308.53	62.04	22.092		
6,500.00	6,446.53	7,463.86	6,831.97	29.96	37.28	102.82	1,172.19	768.10	1,357.10	1,294.13	62.97	21.551		
6,550.00	6,495.35	7,453.77	6,831.87	30.14	37.13	100.88	1,172.15	758.02	1,345.58	1,281.80	63.78	21.097		
6,600.00	6,543.19	7,439.88	6,831.72	30.33	36.92	99.81	1,172.09	744.13	1,336.06	1,271.60	64.46	20.727		
6,650.00	6,589.76	7,422.27	6,831.54	30.52	36.66	98.95	1,172.02	726.51	1,328.53	1,263.52	65.01	20.437		
6,700.00	6,634.75	7,401.04	6,831.32	30.71	36.34	98.06	1,171.94	705.29	1,322.91	1,257.49	65.42	20.222		
6,750.00	6,677.90	7,376.33	6,831.07	30.91	36.00	97.07	1,171.83	680.58	1,319.09	1,253.35	65.74	20.064		
6,800.00	6,718.94	7,348.29	6,830.78	31.13	35.63	95.96	1,171.72	652.54	1,316.92	1,250.97	65.95	19.968		
6,850.00	6,757.62	7,317.09	6,830.46	31.36	35.21	94.74	1,171.59	621.34	1,316.22	1,250.16	66.06	19.925		
6,851.44	6,758.70	7,316.15	6,830.45	31.37	35.19	94.70	1,171.59	620.40	1,316.22	1,250.16	66.06	19.925		
6,900.00	6,793.70	7,282.92	6,830.10	31.61	34.77	93.43	1,171.45	587.18	1,316.78	1,250.68	66.09	19.923		
6,950.00	6,826.95	7,231.76	6,828.25	31.88	34.17	91.62	1,171.02	536.06	1,318.21	1,252.28	65.94	19.992		
7,000.00	6,857.18	7,178.94	6,822.18	32.19	33.58	89.75	1,169.88	483.61	1,320.04	1,254.27	65.77	20.070		
7,050.00	6,884.18	7,129.94	6,812.72	32.52	33.07	88.00	1,168.18	435.58	1,322.22	1,256.55	65.67	20.134		
7,100.00	6,907.81	7,084.03	6,800.59	32.90	32.63	86.33	1,166.05	391.36	1,324.75	1,259.12	65.62	20.187		
7,150.00	6,927.91	7,040.63	6,786.25	33.32	32.25	84.74	1,163.56	350.49	1,327.56	1,261.94	65.63	20.229		
7,200.00	6,944.36	6,999.31	6,770.08	33.77	31.92	83.23	1,160.77	312.57	1,330.62	1,264.94	65.68	20.259		
7,250.00	6,957.05	6,959.71	6,752.34	34.27	31.63	81.78	1,157.72	277.31	1,333.84	1,268.05	65.79	20.275		
7,300.00	6,965.92	6,921.57	6,733.23	34.80	31.37	80.40	1,154.45	244.47	1,337.17	1,271.22	65.94	20.277		
7,350.00	6,970.89	6,884.66	6,712.93	35.37	31.14	79.10	1,150.99	213.85	1,340.53	1,274.39	66.14	20.268		
7,396.89	6,972.00	6,851.01	6,692.92	35.93	31.07	77.93	1,147.59	187.00	1,343.64	1,277.28	66.36	20.246		
7,400.00	6,971.96	6,848.81	6,691.57	35.97	31.07	77.88	1,147.36	185.29	1,343.85	1,277.47	66.38	20.245		
7,500.00	6,970.65	6,784.10	6,649.12	37.28	30.92	76.09	1,140.15	137.01	1,352.29	1,285.27	67.02	20.178		
7,600.00	6,969.33	6,729.84	6,609.96	38.76	30.77	74.44	1,133.53	100.07	1,364.86	1,297.03	67.83	20.122		
7,700.00	6,968.02	6,684.32	6,574.81	40.39	30.64	72.97	1,127.59	71.78	1,382.16	1,313.40	68.76	20.102		
7,800.00	6,966.70	6,650.00	6,547.04	42.15	30.53	71.81	1,122.91	52.18	1,404.56	1,334.75	69.81	20.119		
7,900.00	6,965.39	6,613.37	6,516.30	44.02	30.41	70.53	1,117.73	32.96	1,432.21	1,361.41	70.80	20.230		
8,000.00	6,964.07	6,585.53	6,492.23	45.99	30.31	69.54	1,113.68	19.57	1,465.11	1,393.29	71.82	20.399		
8,100.00	6,962.76	6,561.53	6,471.04	48.05	30.22	68.67	1,110.11	8.90	1,503.13	1,430.31	72.82	20.642		
8,200.00	6,961.45	6,550.00	6,460.71	50.19	30.18	68.25	1,108.38	4.05	1,546.11	1,472.22	73.89	20.926		
8,300.00	6,960.13	6,522.48	6,435.74	52.39	30.08	67.24	1,104.18	-6.73	1,593.58	1,518.95	74.63	21.353		
8,400.00	6,958.82	6,500.00	6,415.02	54.65	29.99	66.40	1,100.70	-14.71	1,645.45	1,570.11	75.34	21.841		
8,500.00	6,957.50	6,500.00	6,415.02	56.97	29.99	66.40	1,100.70	-14.71	1,701.28	1,625.04	76.24	22.315		
8,600.00	6,956.19	6,479.52	6,395.90	59.33	29.91	65.64	1,097.49	-21.34	1,760.70	1,683.93	76.78	22.933		
8,700.00	6,954.87	6,468.14	6,385.21	61.73	29.86	65.21	1,095.70	-24.74	1,823.50	1,746.17	77.34	23.579		
8,800.00	6,953.56	6,450.00	6,368.01	64.16	29.79	64.53	1,092.82	-29.78	1,889.38	1,811.65	77.73	24.306		
8,900.00	6,952.24	6,450.00	6,368.01	66.63	29.79	64.53	1,092.82	-29.78	1,957.91	1,879.64	78.27	25.015		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,450.00	6,368.01	69.13	29.79	64.53	1,092.82	-29.78	2,029.06	1,950.33	78.73	25.772		
9,100.00	6,949.61	6,432.49	6,351.30	71.65	29.72	63.87	1,090.02	-34.17	2,102.30	2,023.36	78.94	26.631		
9,200.00	6,948.30	6,425.44	6,344.53	74.20	29.69	63.60	1,088.88	-35.80	2,177.66	2,098.45	79.21	27.491		
9,300.00	6,946.98	6,418.96	6,338.30	76.77	29.66	63.36	1,087.84	-37.24	2,254.87	2,175.42	79.45	28.382		
9,400.00	6,945.67	6,400.00	6,319.99	79.35	29.58	62.65	1,084.77	-41.07	2,333.88	2,254.37	79.51	29.352		
9,500.00	6,944.35	6,400.00	6,319.99	81.95	29.58	62.65	1,084.77	-41.07	2,414.17	2,334.43	79.74	30.276		
9,600.00	6,943.04	6,400.00	6,319.99	84.57	29.58	62.65	1,084.77	-41.07	2,495.88	2,415.95	79.93	31.225		
9,700.00	6,941.73	6,400.00	6,319.99	87.21	29.58	62.65	1,084.77	-41.07	2,578.89	2,498.79	80.10	32.197		
9,800.00	6,940.41	6,400.00	6,319.99	89.85	29.58	62.65	1,084.77	-41.07	2,663.06	2,582.82	80.24	33.190		
9,900.00	6,939.10	6,400.00	6,319.99	92.51	29.58	62.65	1,084.77	-41.07	2,748.29	2,667.93	80.36	34.202		
10,000.00	6,937.78	6,400.00	6,319.99	95.17	29.58	62.65	1,084.77	-41.07	2,834.49	2,754.03	80.46	35.230		
10,100.00	6,936.47	6,400.00	6,319.99	97.85	29.58	62.65	1,084.77	-41.07	2,921.56	2,841.02	80.54	36.275		
10,200.00	6,935.15	6,377.95	6,298.56	100.54	29.48	61.82	1,081.19	-44.82	3,009.03	2,928.60	80.43	37.411		
10,300.00	6,933.84	6,374.72	6,295.41	103.23	29.47	61.69	1,080.66	-45.31	3,097.51	3,017.04	80.47	38.493		
10,400.00	6,932.52	6,371.67	6,292.43	105.93	29.45	61.58	1,080.16	-45.75	3,186.66	3,106.16	80.50	39.586		
10,500.00	6,931.21	6,350.00	6,271.23	108.64	29.36	60.77	1,076.61	-48.49	3,276.72	3,196.35	80.37	40.770		
10,600.00	6,929.89	6,350.00	6,271.23	111.36	29.36	60.77	1,076.61	-48.49	3,366.97	3,286.55	80.42	41.870		
10,700.00	6,928.58	6,350.00	6,271.23	114.08	29.36	60.77	1,076.61	-48.49	3,457.75	3,377.29	80.45	42.978		
10,800.00	6,927.26	6,350.00	6,271.23	116.81	29.36	60.77	1,076.61	-48.49	3,549.02	3,468.54	80.49	44.095		
10,900.00	6,925.95	6,350.00	6,271.23	119.54	29.36	60.77	1,076.61	-48.49	3,640.76	3,560.24	80.51	45.220		
11,000.00	6,924.64	6,350.00	6,271.23	122.28	29.36	60.77	1,076.61	-48.49	3,732.91	3,652.38	80.54	46.351		
11,100.00	6,923.32	6,350.00	6,271.23	125.02	29.36	60.77	1,076.61	-48.49	3,825.47	3,744.91	80.56	47.488		
11,200.00	6,922.01	6,350.00	6,271.23	127.77	29.36	60.77	1,076.61	-48.49	3,918.39	3,837.81	80.57	48.631		
11,300.00	6,920.69	6,350.00	6,271.23	130.52	29.36	60.77	1,076.61	-48.49	4,011.64	3,931.06	80.59	49.779		
11,400.00	6,919.38	6,350.00	6,271.23	133.28	29.36	60.77	1,076.61	-48.49	4,105.22	4,024.62	80.60	50.932		
11,500.00	6,918.06	6,350.00	6,271.23	136.04	29.36	60.77	1,076.61	-48.49	4,199.09	4,118.48	80.61	52.088		
11,600.00	6,916.75	6,350.00	6,271.23	138.80	29.36	60.77	1,076.61	-48.49	4,293.24	4,212.62	80.63	53.249		
11,700.00	6,915.43	6,350.00	6,271.23	141.56	29.36	60.77	1,076.61	-48.49	4,387.65	4,307.01	80.64	54.413		
11,800.00	6,914.12	6,350.00	6,271.23	144.33	29.36	60.77	1,076.61	-48.49	4,482.30	4,401.66	80.65	55.580		
11,900.00	6,912.80	6,350.00	6,271.23	147.10	29.36	60.77	1,076.61	-48.49	4,577.18	4,496.52	80.65	56.750		
12,000.00	6,911.49	6,350.00	6,271.23	149.88	29.36	60.77	1,076.61	-48.49	4,672.27	4,591.61	80.66	57.923		
12,100.00	6,910.17	6,350.00	6,271.23	152.65	29.36	60.77	1,076.61	-48.49	4,767.56	4,686.89	80.67	59.097		
12,200.00	6,908.86	6,350.00	6,271.23	155.43	29.36	60.77	1,076.61	-48.49	4,863.05	4,782.36	80.68	60.274		
12,300.00	6,907.54	6,350.00	6,271.23	158.21	29.36	60.77	1,076.61	-48.49	4,958.71	4,878.01	80.69	61.453		
12,400.00	6,906.23	6,350.00	6,271.23	160.99	29.36	60.77	1,076.61	-48.49	5,054.53	4,973.83	80.70	62.633		
12,500.00	6,904.92	6,350.00	6,271.23	163.78	29.36	60.77	1,076.61	-48.49	5,150.52	5,069.81	80.71	63.814		
12,600.00	6,903.60	6,350.00	6,271.23	166.57	29.36	60.77	1,076.61	-48.49	5,246.66	5,165.93	80.72	64.997		
12,700.00	6,902.29	6,350.00	6,271.23	169.35	29.36	60.77	1,076.61	-48.49	5,342.93	5,262.20	80.73	66.180		
12,800.00	6,900.97	6,350.00	6,271.23	172.14	29.36	60.77	1,076.61	-48.49	5,439.35	5,358.60	80.75	67.364		
12,900.00	6,899.66	6,350.00	6,271.23	174.94	29.36	60.77	1,076.61	-48.49	5,535.89	5,455.13	80.76	68.549		
13,000.00	6,898.34	6,327.35	6,248.99	177.73	29.25	59.93	1,072.89	-50.58	5,632.11	5,551.49	80.63	69.854		
13,100.00	6,897.03	6,326.39	6,248.04	180.53	29.25	59.89	1,072.74	-50.65	5,728.85	5,648.22	80.64	71.046		
13,200.00	6,895.71	6,325.46	6,247.13	183.32	29.25	59.86	1,072.58	-50.72	5,825.70	5,745.05	80.65	72.238		
13,300.00	6,894.40	6,324.56	6,246.24	186.12	29.24	59.82	1,072.43	-50.78	5,922.65	5,841.99	80.66	73.431		
13,400.00	6,893.08	6,323.68	6,245.38	188.92	29.24	59.79	1,072.29	-50.84	6,019.70	5,939.03	80.67	74.623		
13,500.00	6,891.77	6,322.83	6,244.54	191.72	29.23	59.76	1,072.15	-50.90	6,116.84	6,036.16	80.68	75.815		
13,600.00	6,890.45	6,300.00	6,222.05	194.52	29.13	58.92	1,068.39	-52.02	6,214.48	6,133.92	80.55	77.146		
13,700.00	6,889.14	6,300.00	6,222.05	197.32	29.13	58.92	1,068.39	-52.02	6,311.77	6,231.19	80.58	78.334		
13,800.00	6,887.82	6,300.00	6,222.05	200.13	29.13	58.92	1,068.39	-52.02	6,409.14	6,328.54	80.60	79.521		
13,900.00	6,886.51	6,300.00	6,222.05	202.93	29.13	58.92	1,068.39	-52.02	6,506.59	6,425.97	80.62	80.708		
14,000.00	6,885.20	6,300.00	6,222.05	205.74	29.13	58.92	1,068.39	-52.02	6,604.12	6,523.47	80.64	81.894		
14,100.00	6,883.88	6,300.00	6,222.05	208.55	29.13	58.92	1,068.39	-52.02	6,701.72	6,621.05	80.67	83.079		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,300.00	6,222.05	211.35	29.13	58.92	1,068.39	-52.02	6,799.39	6,718.70	80.69	84.264		
14,300.00	6,881.25	6,300.00	6,222.05	214.16	29.13	58.92	1,068.39	-52.02	6,897.12	6,816.41	80.72	85.448		
14,400.00	6,879.94	6,300.00	6,222.05	216.97	29.13	58.92	1,068.39	-52.02	6,994.92	6,914.18	80.74	86.630		
14,500.00	6,878.62	6,300.00	6,222.05	219.78	29.13	58.92	1,068.39	-52.02	7,092.79	7,012.01	80.77	87.812		
14,600.00	6,877.31	6,300.00	6,222.05	222.59	29.13	58.92	1,068.39	-52.02	7,190.71	7,109.91	80.80	88.993		
14,700.00	6,875.99	6,300.00	6,222.05	225.41	29.13	58.92	1,068.39	-52.02	7,288.68	7,207.85	80.83	90.172		
14,800.00	6,874.68	6,300.00	6,222.05	228.22	29.13	58.92	1,068.39	-52.02	7,386.72	7,305.86	80.86	91.351		
14,900.00	6,873.36	6,300.00	6,222.05	231.03	29.13	58.92	1,068.39	-52.02	7,484.80	7,403.91	80.89	92.528		
15,000.00	6,872.05	6,300.00	6,222.05	233.85	29.13	58.92	1,068.39	-52.02	7,582.93	7,502.01	80.92	93.703		
15,100.00	6,870.73	6,300.00	6,222.05	236.66	29.13	58.92	1,068.39	-52.02	7,681.12	7,600.16	80.96	94.878		
15,200.00	6,869.42	6,300.00	6,222.05	239.48	29.13	58.92	1,068.39	-52.02	7,779.34	7,698.35	80.99	96.050		
15,300.00	6,868.11	6,300.00	6,222.05	242.29	29.13	58.92	1,068.39	-52.02	7,877.62	7,796.59	81.03	97.222		
15,400.00	6,866.79	6,300.00	6,222.05	245.11	29.13	58.92	1,068.39	-52.02	7,975.93	7,894.87	81.06	98.392		
15,460.11	6,866.00	6,300.00	6,222.05	246.80	29.13	58.92	1,068.39	-52.02	8,035.05	7,953.97	81.09	99.094		
15,460.74	6,865.99	6,300.00	6,222.05	246.82	29.13	58.92	1,068.39	-52.02	8,035.67	7,954.58	81.09	99.101		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	134.43	13.36	135.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	134.43	13.36	135.09	128.52	6.57	20.563		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	134.43	13.36	135.09	128.42	6.67	20.241 CC, ES		
300.00	299.98	295.48	295.46	3.44	3.44	-94.08	136.02	13.28	136.85	129.96	6.89	19.859		
400.00	399.84	390.56	390.42	3.60	3.59	-96.24	140.75	13.04	142.29	135.07	7.22	19.708 SF		
500.00	499.45	484.86	484.39	3.80	3.78	-99.44	148.56	12.65	151.79	144.15	7.65	19.854		
584.50	583.35	563.65	562.68	4.01	3.97	-102.62	157.45	12.20	163.33	155.27	8.07	20.250		
600.00	598.71	578.01	576.91	4.05	4.01	-103.26	159.30	12.10	165.81	157.67	8.15	20.349		
700.00	697.81	670.02	667.92	4.33	4.26	-106.92	172.85	11.42	184.12	175.41	8.70	21.153		
800.00	796.91	766.64	763.18	4.64	4.55	-110.00	188.92	10.60	204.96	195.67	9.28	22.077		
900.00	896.01	863.89	859.07	4.98	4.86	-112.52	205.12	9.78	226.29	216.39	9.90	22.866		
1,000.00	995.11	961.14	954.96	5.34	5.20	-114.62	221.32	8.96	247.97	237.41	10.56	23.489		
1,100.00	1,094.21	1,058.40	1,050.85	5.71	5.55	-116.37	237.52	8.14	269.92	258.67	11.25	23.996		
1,200.00	1,193.31	1,155.65	1,146.74	6.10	5.92	-117.87	253.72	7.32	292.07	280.10	11.97	24.406		
1,300.00	1,292.41	1,252.90	1,242.64	6.49	6.31	-119.15	269.91	6.50	314.39	301.68	12.71	24.739		
1,400.00	1,391.51	1,350.15	1,338.53	6.90	6.70	-120.26	286.11	5.68	336.83	323.36	13.47	25.009		
1,500.00	1,490.61	1,447.41	1,434.42	7.31	7.10	-121.23	302.31	4.86	359.39	345.14	14.24	25.230		
1,600.00	1,589.71	1,544.66	1,530.31	7.73	7.50	-122.09	318.51	4.04	382.03	366.99	15.03	25.411		
1,700.00	1,688.81	1,641.91	1,626.20	8.16	7.91	-122.85	334.71	3.22	404.74	388.90	15.83	25.560		
1,800.00	1,787.92	1,739.16	1,722.09	8.59	8.33	-123.54	350.90	2.40	427.51	410.87	16.65	25.684		
1,900.00	1,887.02	1,836.42	1,817.98	9.02	8.75	-124.15	367.10	1.58	450.34	432.87	17.46	25.787		
2,000.00	1,986.12	1,933.67	1,913.87	9.46	9.17	-124.70	383.30	0.75	473.21	454.91	18.29	25.872		
2,100.00	2,085.22	2,030.92	2,009.76	9.90	9.60	-125.21	399.50	-0.07	496.11	476.99	19.12	25.944		
2,200.00	2,184.32	2,128.18	2,105.65	10.34	10.03	-125.66	415.69	-0.89	519.05	499.09	19.96	26.004		
2,300.00	2,283.42	2,225.43	2,201.54	10.78	10.46	-126.08	431.89	-1.71	542.02	521.22	20.80	26.054		
2,400.00	2,382.52	2,322.68	2,297.43	11.23	10.89	-126.47	448.09	-2.53	565.02	543.37	21.65	26.096		
2,500.00	2,481.62	2,419.93	2,393.32	11.68	11.33	-126.83	464.29	-3.35	588.03	565.53	22.50	26.132		
2,600.00	2,580.72	2,517.19	2,489.22	12.13	11.76	-127.15	480.49	-4.17	611.07	587.71	23.36	26.163		
2,700.00	2,679.82	2,614.44	2,585.11	12.58	12.20	-127.46	496.68	-4.99	634.13	609.91	24.21	26.188		
2,800.00	2,778.92	2,711.69	2,681.00	13.03	12.64	-127.74	512.88	-5.81	657.20	632.12	25.07	26.210		
2,900.00	2,878.02	2,808.94	2,776.89	13.48	13.08	-128.01	529.08	-6.63	680.28	654.34	25.94	26.228		
3,000.00	2,977.12	2,906.20	2,872.78	13.94	13.53	-128.25	545.28	-7.45	703.38	676.58	26.80	26.244		
3,100.00	3,076.22	3,003.45	2,968.67	14.39	13.97	-128.49	561.48	-8.27	726.49	698.82	27.67	26.257		
3,200.00	3,175.32	3,100.70	3,064.56	14.85	14.41	-128.70	577.67	-9.09	749.61	721.07	28.54	26.268		
3,300.00	3,274.43	3,202.04	3,160.45	15.30	14.87	-128.91	593.87	-9.91	772.74	743.31	29.43	26.260		
3,400.00	3,373.53	3,304.79	3,256.34	15.76	15.34	-129.10	610.07	-10.73	795.87	765.55	30.32	26.247		
3,500.00	3,472.63	3,392.46	3,352.23	16.22	15.75	-129.28	626.27	-11.55	819.02	787.87	31.15	26.290		
3,600.00	3,571.73	3,489.71	3,448.12	16.68	16.19	-129.45	642.47	-12.37	842.17	810.15	32.03	26.296		
3,700.00	3,670.83	3,586.97	3,544.01	17.14	16.64	-129.61	658.66	-13.20	865.33	832.43	32.90	26.300		
3,800.00	3,769.93	3,684.22	3,639.90	17.59	17.09	-129.77	674.86	-14.02	888.50	854.72	33.78	26.303		
3,900.00	3,869.03	3,781.47	3,735.80	18.05	17.54	-129.91	691.06	-14.84	911.67	877.01	34.66	26.305		
4,000.00	3,968.13	3,878.72	3,831.69	18.51	17.98	-130.05	707.26	-15.66	934.85	899.31	35.54	26.307		
4,100.00	4,067.23	3,975.98	3,927.58	18.98	18.43	-130.18	723.46	-16.48	958.03	921.61	36.42	26.308		
4,200.00	4,166.33	4,073.23	4,023.47	19.44	18.88	-130.31	739.65	-17.30	981.22	943.92	37.30	26.309		
4,300.00	4,265.43	4,170.48	4,119.36	19.90	19.33	-130.43	755.85	-18.12	1,004.41	966.23	38.18	26.309		
4,400.00	4,364.53	4,267.73	4,215.25	20.36	19.78	-130.54	772.05	-18.94	1,027.60	988.54	39.06	26.309		
4,500.00	4,463.63	4,364.99	4,311.14	20.82	20.23	-130.65	788.25	-19.76	1,050.80	1,010.86	39.94	26.308		
4,600.00	4,562.73	4,462.24	4,407.03	21.28	20.68	-130.76	804.45	-20.58	1,074.00	1,033.18	40.83	26.307		
4,700.00	4,661.83	4,559.49	4,502.92	21.75	21.13	-130.86	820.64	-21.40	1,097.21	1,055.50	41.71	26.306		
4,800.00	4,760.93	4,656.75	4,598.81	22.21	21.58	-130.95	836.84	-22.22	1,120.42	1,077.82	42.59	26.305		
4,900.00	4,860.04	4,754.00	4,694.70	22.67	22.03	-131.05	853.04	-23.04	1,143.63	1,100.15	43.48	26.304		
5,000.00	4,959.14	4,851.25	4,790.59	23.13	22.49	-131.14	869.24	-23.86	1,166.84	1,122.48	44.36	26.302		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,948.50	4,886.48	23.60	22.94	-131.22	885.44	-24.68	1,190.06	1,144.81	45.25	26.300		
5,200.00	5,157.34	5,045.76	4,982.38	24.06	23.39	-131.30	901.63	-25.50	1,213.28	1,167.14	46.14	26.298		
5,300.00	5,256.44	5,143.01	5,078.27	24.52	23.84	-131.38	917.83	-26.32	1,236.50	1,189.48	47.02	26.296		
5,400.00	5,355.54	5,240.26	5,174.16	24.99	24.29	-131.46	934.03	-27.14	1,259.72	1,211.82	47.91	26.294		
5,500.00	5,454.64	5,337.51	5,270.05	25.45	24.74	-131.53	950.23	-27.97	1,282.95	1,234.15	48.80	26.292		
5,600.00	5,553.74	5,434.77	5,365.94	25.92	25.20	-131.60	966.42	-28.79	1,306.18	1,256.49	49.68	26.290		
5,700.00	5,652.84	5,532.02	5,461.83	26.38	25.65	-131.67	982.62	-29.61	1,329.41	1,278.83	50.57	26.287		
5,800.00	5,751.94	5,629.27	5,557.72	26.84	26.10	-131.74	998.82	-30.43	1,352.64	1,301.18	51.46	26.285		
5,900.00	5,851.04	5,726.53	5,653.61	27.31	26.56	-131.80	1,015.02	-31.25	1,375.87	1,323.52	52.35	26.282		
6,000.00	5,950.14	5,823.78	5,749.50	27.77	27.01	-131.86	1,031.22	-32.07	1,399.10	1,345.86	53.24	26.280		
6,100.00	6,049.24	5,921.03	5,845.39	28.24	27.46	-131.92	1,047.41	-32.89	1,422.34	1,368.21	54.13	26.277		
6,200.00	6,148.34	6,018.28	5,941.28	28.70	27.91	-131.98	1,063.61	-33.71	1,445.58	1,390.56	55.02	26.275		
6,304.69	6,252.09	6,120.09	6,041.67	29.19	28.39	-132.04	1,080.57	-34.57	1,469.90	1,413.95	55.95	26.272		
6,350.00	6,297.17	6,164.34	6,085.29	29.39	28.59	-144.84	1,087.94	-34.94	1,479.62	1,423.27	56.35	26.259		
6,400.00	6,347.13	6,213.38	6,133.64	29.59	28.82	113.19	1,096.11	-35.36	1,488.43	1,431.65	56.77	26.217		
6,450.00	6,397.02	7,571.40	6,956.73	29.78	37.52	108.27	1,244.54	759.92	1,481.96	1,421.62	60.34	24.561		
6,500.00	6,446.53	7,565.17	6,956.67	29.96	37.43	102.99	1,244.45	753.69	1,465.31	1,403.99	61.32	23.896		
6,550.00	6,495.35	7,555.08	6,956.56	30.14	37.28	101.41	1,244.32	743.59	1,450.44	1,388.23	62.20	23.317		
6,600.00	6,543.19	7,541.17	6,956.42	30.33	37.08	100.71	1,244.13	729.69	1,437.41	1,374.43	62.98	22.824		
6,650.00	6,589.76	7,523.54	6,956.24	30.52	36.83	100.23	1,243.89	712.06	1,426.26	1,362.62	63.64	22.411		
6,700.00	6,634.75	7,502.29	6,956.02	30.71	36.53	99.73	1,243.61	690.82	1,416.95	1,352.76	64.19	22.076		
6,750.00	6,677.90	7,477.57	6,955.76	30.91	36.21	99.13	1,243.27	666.10	1,409.42	1,344.76	64.65	21.800		
6,800.00	6,718.94	7,449.51	6,955.47	31.13	35.85	98.42	1,242.90	638.04	1,403.56	1,338.54	65.02	21.587		
6,850.00	6,757.62	7,418.29	6,955.15	31.36	35.45	97.58	1,242.48	606.83	1,399.24	1,333.96	65.28	21.433		
6,900.00	6,793.70	7,354.11	6,952.63	31.61	34.70	95.73	1,241.30	542.73	1,396.10	1,330.92	65.18	21.419		
6,950.00	6,826.95	7,277.32	6,941.49	31.88	33.88	93.43	1,238.53	466.85	1,393.14	1,328.12	65.02	21.426		
7,000.00	6,857.18	7,212.68	6,925.18	32.19	33.26	91.47	1,235.04	404.43	1,390.49	1,325.48	65.01	21.388		
7,050.00	6,884.18	7,156.50	6,906.00	32.52	32.78	89.73	1,231.18	351.78	1,388.29	1,323.19	65.10	21.326		
7,100.00	6,907.81	7,106.38	6,885.08	32.90	32.40	88.16	1,227.12	306.43	1,386.60	1,321.36	65.24	21.254		
7,150.00	6,927.91	7,060.72	6,863.01	33.32	32.09	86.70	1,222.92	266.70	1,385.43	1,320.01	65.42	21.177		
7,200.00	6,944.36	7,018.44	6,840.11	33.77	31.88	85.34	1,218.64	231.42	1,384.77	1,319.13	65.64	21.097		
7,247.46	6,956.50	6,980.72	6,817.77	34.24	31.80	84.11	1,214.51	201.32	1,384.57	1,318.70	65.87	21.019		
7,250.00	6,957.05	6,978.76	6,816.56	34.27	31.79	84.04	1,214.29	199.79	1,384.58	1,318.69	65.89	21.015		
7,300.00	6,965.92	6,941.13	6,792.48	34.80	31.70	82.80	1,209.88	171.22	1,384.79	1,318.63	66.16	20.930		
7,350.00	6,970.89	6,905.14	6,767.92	35.37	31.62	81.61	1,205.43	145.30	1,385.37	1,318.90	66.47	20.843		
7,396.89	6,972.00	6,872.60	6,744.50	35.93	31.53	80.54	1,201.21	123.11	1,386.17	1,319.39	66.78	20.758		
7,400.00	6,971.96	6,870.49	6,742.94	35.97	31.52	80.47	1,200.93	121.71	1,386.23	1,319.43	66.80	20.752		
7,500.00	6,970.65	6,809.95	6,696.40	37.28	31.34	78.55	1,192.62	83.94	1,390.42	1,322.82	67.60	20.568		
7,600.00	6,969.33	6,761.59	6,656.80	38.76	31.18	76.91	1,185.61	57.10	1,399.40	1,330.83	68.57	20.409		
7,700.00	6,968.02	6,722.49	6,623.39	40.39	31.05	75.54	1,179.74	37.67	1,413.74	1,344.09	69.66	20.296		
7,800.00	6,966.70	6,690.45	6,595.17	42.15	30.93	74.38	1,174.80	23.33	1,433.72	1,362.91	70.81	20.248		
7,900.00	6,965.39	6,663.84	6,571.21	44.02	30.83	73.40	1,170.62	12.53	1,459.40	1,387.42	71.98	20.274		
8,000.00	6,964.07	6,641.46	6,550.73	45.99	30.75	72.56	1,167.07	4.24	1,490.69	1,417.56	73.14	20.382		
8,100.00	6,962.76	6,622.42	6,533.09	48.05	30.67	71.84	1,164.01	-2.23	1,527.40	1,453.15	74.24	20.573		
8,200.00	6,961.45	6,600.00	6,512.08	50.19	30.58	70.99	1,160.38	-9.16	1,569.26	1,494.06	75.20	20.868		
8,300.00	6,960.13	6,600.00	6,512.08	52.39	30.58	70.99	1,160.38	-9.16	1,615.93	1,539.60	76.33	21.171		
8,400.00	6,958.82	6,579.42	6,492.59	54.65	30.49	70.21	1,157.02	-14.86	1,666.99	1,589.90	77.09	21.625		
8,500.00	6,957.50	6,568.46	6,482.14	56.97	30.45	69.79	1,155.22	-17.64	1,722.20	1,644.35	77.85	22.121		
8,600.00	6,956.19	6,550.00	6,464.44	59.33	30.37	69.08	1,152.18	-21.89	1,781.23	1,702.80	78.43	22.711		
8,700.00	6,954.87	6,550.00	6,464.44	61.73	30.37	69.08	1,152.18	-21.89	1,843.56	1,764.43	79.13	23.299		
8,800.00	6,953.56	6,550.00	6,464.44	64.16	30.37	69.08	1,152.18	-21.89	1,909.09	1,829.36	79.73	23.945		
8,900.00	6,952.24	6,550.00	6,464.44	66.63	30.37	69.08	1,152.18	-21.89	1,977.51	1,897.26	80.25	24.643		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,528.76	6,443.93	69.13	30.28	68.26	1,148.66	-26.15	2,048.16	1,967.69	80.47	25.451		
9,100.00	6,949.61	6,522.92	6,438.27	71.65	30.25	68.03	1,147.69	-27.19	2,121.28	2,040.48	80.80	26.253		
9,200.00	6,948.30	6,517.58	6,433.08	74.20	30.23	67.83	1,146.80	-28.11	2,196.47	2,115.39	81.08	27.089		
9,300.00	6,946.98	6,500.00	6,415.96	76.77	30.15	67.15	1,143.88	-30.79	2,273.67	2,192.48	81.19	28.003		
9,400.00	6,945.67	6,500.00	6,415.96	79.35	30.15	67.15	1,143.88	-30.79	2,352.35	2,270.90	81.44	28.884		
9,500.00	6,944.35	6,500.00	6,415.96	81.95	30.15	67.15	1,143.88	-30.79	2,432.59	2,350.93	81.65	29.792		
9,600.00	6,943.04	6,500.00	6,415.96	84.57	30.15	67.15	1,143.88	-30.79	2,514.25	2,432.42	81.83	30.724		
9,700.00	6,941.73	6,500.00	6,415.96	87.21	30.15	67.15	1,143.88	-30.79	2,597.19	2,515.21	81.98	31.679		
9,800.00	6,940.41	6,500.00	6,415.96	89.85	30.15	67.15	1,143.88	-30.79	2,681.30	2,599.19	82.11	32.655		
9,900.00	6,939.10	6,500.00	6,415.96	92.51	30.15	67.15	1,143.88	-30.79	2,766.46	2,684.24	82.22	33.648		
10,000.00	6,937.78	6,500.00	6,415.96	95.17	30.15	67.15	1,143.88	-30.79	2,852.59	2,770.28	82.31	34.658		
10,100.00	6,936.47	6,500.00	6,415.96	97.85	30.15	67.15	1,143.88	-30.79	2,939.59	2,857.21	82.38	35.682		
10,200.00	6,935.15	6,500.00	6,415.96	100.54	30.15	67.15	1,143.88	-30.79	3,027.40	2,944.96	82.44	36.720		
10,300.00	6,933.84	6,479.33	6,395.74	103.23	30.06	66.35	1,140.43	-33.34	3,115.58	3,033.25	82.33	37.842		
10,400.00	6,932.52	6,477.03	6,393.49	105.93	30.05	66.26	1,140.05	-33.58	3,204.71	3,122.36	82.36	38.912		
10,500.00	6,931.21	6,474.86	6,391.36	108.64	30.04	66.18	1,139.68	-33.80	3,294.46	3,212.08	82.38	39.992		
10,600.00	6,929.89	6,472.81	6,389.35	111.36	30.03	66.10	1,139.34	-34.01	3,384.78	3,302.38	82.39	41.080		
10,700.00	6,928.58	6,470.87	6,387.44	114.08	30.02	66.03	1,139.02	-34.19	3,475.61	3,393.21	82.41	42.177		
10,800.00	6,927.26	6,450.00	6,366.93	116.81	29.93	65.23	1,135.53	-35.81	3,567.25	3,484.98	82.26	43.364		
10,900.00	6,925.95	6,450.00	6,366.93	119.54	29.93	65.23	1,135.53	-35.81	3,658.96	3,576.68	82.28	44.468		
11,000.00	6,924.64	6,450.00	6,366.93	122.28	29.93	65.23	1,135.53	-35.81	3,751.10	3,668.80	82.30	45.579		
11,100.00	6,923.32	6,450.00	6,366.93	125.02	29.93	65.23	1,135.53	-35.81	3,843.64	3,761.32	82.31	46.695		
11,200.00	6,922.01	6,450.00	6,366.93	127.77	29.93	65.23	1,135.53	-35.81	3,936.53	3,854.21	82.33	47.817		
11,300.00	6,920.69	6,450.00	6,366.93	130.52	29.93	65.23	1,135.53	-35.81	4,029.77	3,947.44	82.33	48.944		
11,400.00	6,919.38	6,450.00	6,366.93	133.28	29.93	65.23	1,135.53	-35.81	4,123.33	4,040.98	82.34	50.075		
11,500.00	6,918.06	6,450.00	6,366.93	136.04	29.93	65.23	1,135.53	-35.81	4,217.18	4,134.83	82.35	51.210		
11,600.00	6,916.75	6,450.00	6,366.93	138.80	29.93	65.23	1,135.53	-35.81	4,311.31	4,228.95	82.36	52.349		
11,700.00	6,915.43	6,450.00	6,366.93	141.56	29.93	65.23	1,135.53	-35.81	4,405.69	4,323.33	82.36	53.492		
11,800.00	6,914.12	6,450.00	6,366.93	144.33	29.93	65.23	1,135.53	-35.81	4,500.32	4,417.95	82.37	54.637		
11,900.00	6,912.80	6,450.00	6,366.93	147.10	29.93	65.23	1,135.53	-35.81	4,595.18	4,512.80	82.37	55.786		
12,000.00	6,911.49	6,450.00	6,366.93	149.88	29.93	65.23	1,135.53	-35.81	4,690.25	4,607.87	82.38	56.936		
12,100.00	6,910.17	6,450.00	6,366.93	152.65	29.93	65.23	1,135.53	-35.81	4,785.52	4,703.14	82.38	58.089		
12,200.00	6,908.86	6,450.00	6,366.93	155.43	29.93	65.23	1,135.53	-35.81	4,880.98	4,798.59	82.39	59.244		
12,300.00	6,907.54	6,450.00	6,366.93	158.21	29.93	65.23	1,135.53	-35.81	4,976.62	4,894.22	82.39	60.401		
12,400.00	6,906.23	6,450.00	6,366.93	160.99	29.93	65.23	1,135.53	-35.81	5,072.42	4,990.02	82.40	61.559		
12,500.00	6,904.92	6,450.00	6,366.93	163.78	29.93	65.23	1,135.53	-35.81	5,168.39	5,085.98	82.41	62.719		
12,600.00	6,903.60	6,450.00	6,366.93	166.57	29.93	65.23	1,135.53	-35.81	5,264.50	5,182.09	82.41	63.879		
12,700.00	6,902.29	6,450.00	6,366.93	169.35	29.93	65.23	1,135.53	-35.81	5,360.76	5,278.34	82.42	65.041		
12,800.00	6,900.97	6,450.00	6,366.93	172.14	29.93	65.23	1,135.53	-35.81	5,457.15	5,374.72	82.43	66.203		
12,900.00	6,899.66	6,450.00	6,366.93	174.94	29.93	65.23	1,135.53	-35.81	5,553.67	5,471.23	82.44	67.366		
13,000.00	6,898.34	6,450.00	6,366.93	177.73	29.93	65.23	1,135.53	-35.81	5,650.31	5,567.86	82.45	68.530		
13,100.00	6,897.03	6,450.00	6,366.93	180.53	29.93	65.23	1,135.53	-35.81	5,747.07	5,664.61	82.46	69.694		
13,200.00	6,895.71	6,450.00	6,366.93	183.32	29.93	65.23	1,135.53	-35.81	5,843.93	5,761.46	82.47	70.858		
13,300.00	6,894.40	6,450.00	6,366.93	186.12	29.93	65.23	1,135.53	-35.81	5,940.90	5,858.42	82.49	72.023		
13,400.00	6,893.08	6,450.00	6,366.93	188.92	29.93	65.23	1,135.53	-35.81	6,037.97	5,955.47	82.50	73.187		
13,500.00	6,891.77	6,450.00	6,366.93	191.72	29.93	65.23	1,135.53	-35.81	6,135.13	6,052.62	82.52	74.352		
13,600.00	6,890.45	6,450.00	6,366.93	194.52	29.93	65.23	1,135.53	-35.81	6,232.39	6,149.85	82.53	75.516		
13,700.00	6,889.14	6,450.00	6,366.93	197.32	29.93	65.23	1,135.53	-35.81	6,329.72	6,247.18	82.55	76.680		
13,800.00	6,887.82	6,450.00	6,366.93	200.13	29.93	65.23	1,135.53	-35.81	6,427.14	6,344.58	82.57	77.843		
13,900.00	6,886.51	6,450.00	6,366.93	202.93	29.93	65.23	1,135.53	-35.81	6,524.64	6,442.06	82.58	79.006		
14,000.00	6,885.20	6,450.00	6,366.93	205.74	29.93	65.23	1,135.53	-35.81	6,622.21	6,539.61	82.60	80.169		
14,100.00	6,883.88	6,450.00	6,366.93	208.55	29.93	65.23	1,135.53	-35.81	6,719.85	6,637.23	82.62	81.330		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,450.00	6,366.93	211.35	29.93	65.23	1,135.53	-35.81	6,817.57	6,734.92	82.65	82.491	
14,300.00	6,881.25	6,450.00	6,366.93	214.16	29.93	65.23	1,135.53	-35.81	6,915.34	6,832.67	82.67	83.651	
14,400.00	6,879.94	6,450.00	6,366.93	216.97	29.93	65.23	1,135.53	-35.81	7,013.18	6,930.49	82.69	84.811	
14,500.00	6,878.62	6,450.00	6,366.93	219.78	29.93	65.23	1,135.53	-35.81	7,111.08	7,028.37	82.72	85.969	
14,600.00	6,877.31	6,450.00	6,366.93	222.59	29.93	65.23	1,135.53	-35.81	7,209.04	7,126.30	82.74	87.127	
14,700.00	6,875.99	6,450.00	6,366.93	225.41	29.93	65.23	1,135.53	-35.81	7,307.05	7,224.28	82.77	88.283	
14,800.00	6,874.68	6,450.00	6,366.93	228.22	29.93	65.23	1,135.53	-35.81	7,405.12	7,322.32	82.80	89.438	
14,900.00	6,873.36	6,450.00	6,366.93	231.03	29.93	65.23	1,135.53	-35.81	7,503.24	7,420.41	82.82	90.592	
15,000.00	6,872.05	6,450.00	6,366.93	233.85	29.93	65.23	1,135.53	-35.81	7,601.40	7,518.55	82.85	91.744	
15,100.00	6,870.73	6,450.00	6,366.93	236.66	29.93	65.23	1,135.53	-35.81	7,699.62	7,616.73	82.88	92.896	
15,200.00	6,869.42	6,450.00	6,366.93	239.48	29.93	65.23	1,135.53	-35.81	7,797.87	7,714.96	82.92	94.046	
15,300.00	6,868.11	6,450.00	6,366.93	242.29	29.93	65.23	1,135.53	-35.81	7,896.18	7,813.23	82.95	95.194	
15,400.00	6,866.79	6,450.00	6,366.93	245.11	29.93	65.23	1,135.53	-35.81	7,994.52	7,911.54	82.98	96.341	
15,460.11	6,866.00	6,450.00	6,366.93	246.80	29.93	65.23	1,135.53	-35.81	8,053.66	7,970.66	83.00	97.030	
15,460.74	6,865.99	6,450.00	6,366.93	246.82	29.93	65.23	1,135.53	-35.81	8,054.27	7,971.27	83.00	97.037	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-174.50	-89.62	-8.63	90.04					
100.00	100.00	100.00	100.00	3.28	3.28	-174.50	-89.62	-8.63	90.04	83.47	6.57	13.705		
200.00	200.00	200.00	200.00	3.34	3.34	-174.50	-89.62	-8.63	90.04	83.36	6.67	13.491 CC, ES		
300.00	299.98	296.92	296.90	3.44	3.44	87.67	-91.21	-9.02	91.63	84.74	6.89	13.302 SF		
400.00	399.84	393.48	393.33	3.60	3.58	90.93	-95.96	-10.19	96.62	89.41	7.21	13.398		
500.00	499.45	489.30	488.81	3.80	3.77	95.61	-103.79	-12.12	105.57	97.94	7.63	13.830		
584.50	583.35	569.45	568.43	4.01	3.96	100.02	-112.72	-14.31	116.69	108.64	8.05	14.490		
600.00	598.71	584.06	582.91	4.05	3.99	100.87	-114.58	-14.77	119.11	110.97	8.14	14.639		
700.00	697.81	677.75	675.54	4.33	4.25	105.43	-128.21	-18.13	137.06	128.36	8.70	15.762		
800.00	796.91	770.35	766.59	4.64	4.54	108.64	-144.57	-22.15	158.78	149.48	9.30	17.079		
900.00	896.01	861.69	855.82	4.98	4.86	110.79	-163.50	-26.81	183.87	173.95	9.92	18.527		
1,000.00	995.11	951.61	943.02	5.34	5.20	112.16	-184.82	-32.05	212.05	201.47	10.58	20.044		
1,100.00	1,094.21	1,039.98	1,028.00	5.71	5.57	112.98	-208.34	-37.84	243.12	231.87	11.25	21.618		
1,200.00	1,193.31	1,126.66	1,110.59	6.10	5.95	113.41	-233.89	-44.13	276.95	265.03	11.92	23.232		
1,300.00	1,292.41	1,211.56	1,190.67	6.49	6.35	113.58	-261.25	-50.86	313.41	300.82	12.60	24.881		
1,400.00	1,391.51	1,301.46	1,274.80	6.90	6.80	113.60	-292.02	-58.43	351.78	338.46	13.32	26.412		
1,500.00	1,490.61	1,406.23	1,361.15	7.31	7.34	113.61	-323.70	-66.23	390.25	376.11	14.14	27.605		
1,600.00	1,589.71	1,486.07	1,447.49	7.73	7.76	113.62	-355.38	-74.03	428.72	413.85	14.86	28.844		
1,700.00	1,688.81	1,578.38	1,533.84	8.16	8.26	113.62	-387.06	-81.82	467.18	451.52	15.66	29.827		
1,800.00	1,787.92	1,670.68	1,620.19	8.59	8.77	113.63	-418.75	-89.62	505.65	489.17	16.48	30.687		
1,900.00	1,887.02	1,762.99	1,706.53	9.02	9.28	113.63	-450.43	-97.42	544.12	526.81	17.30	31.444		
2,000.00	1,986.12	1,855.29	1,792.88	9.46	9.80	113.64	-482.11	-105.21	582.59	564.44	18.14	32.112		
2,100.00	2,085.22	1,947.60	1,879.23	9.90	10.33	113.64	-513.79	-113.01	621.05	602.06	18.99	32.704		
2,200.00	2,184.32	2,039.90	1,965.57	10.34	10.86	113.65	-545.48	-120.80	659.52	639.67	19.85	33.232		
2,300.00	2,283.42	2,132.21	2,051.92	10.78	11.39	113.65	-577.16	-128.60	697.99	677.28	20.71	33.705		
2,400.00	2,382.52	2,224.51	2,138.27	11.23	11.93	113.65	-608.84	-136.40	736.46	714.88	21.58	34.130		
2,500.00	2,481.62	2,316.82	2,224.61	11.68	12.47	113.65	-640.52	-144.19	774.92	752.47	22.45	34.513		
2,600.00	2,580.72	2,409.12	2,310.96	12.13	13.01	113.66	-672.21	-151.99	813.39	790.06	23.33	34.861		
2,700.00	2,679.82	2,501.43	2,397.30	12.58	13.56	113.66	-703.89	-159.79	851.86	827.64	24.22	35.176		
2,800.00	2,778.92	2,606.26	2,483.65	13.03	14.18	113.66	-735.57	-167.58	890.32	865.15	25.17	35.372		
2,900.00	2,878.02	2,686.04	2,570.00	13.48	14.66	113.66	-767.25	-175.38	928.79	902.80	26.00	35.727		
3,000.00	2,977.12	2,778.35	2,656.34	13.94	15.21	113.66	-798.94	-183.18	967.26	940.37	26.89	35.968		
3,100.00	3,076.22	2,870.65	2,742.69	14.39	15.76	113.67	-830.62	-190.97	1,005.73	977.94	27.79	36.191		
3,200.00	3,175.32	2,962.96	2,829.04	14.85	16.31	113.67	-862.30	-198.77	1,044.19	1,015.50	28.69	36.395		
3,300.00	3,274.43	3,055.26	2,915.38	15.30	16.86	113.67	-893.98	-206.56	1,082.66	1,053.07	29.59	36.585		
3,400.00	3,373.53	3,147.57	3,001.73	15.76	17.42	113.67	-925.67	-214.36	1,121.13	1,090.63	30.50	36.760		
3,500.00	3,472.63	3,239.87	3,088.08	16.22	17.98	113.67	-957.35	-222.16	1,159.60	1,128.19	31.41	36.924		
3,600.00	3,571.73	3,332.18	3,174.42	16.68	18.53	113.67	-989.03	-229.95	1,198.06	1,165.75	32.31	37.075		
3,700.00	3,670.83	3,424.48	3,260.77	17.14	19.09	113.67	-1,020.71	-237.75	1,236.53	1,203.31	33.22	37.217		
3,800.00	3,769.93	3,516.79	3,347.12	17.59	19.65	113.67	-1,052.40	-245.55	1,275.00	1,240.86	34.14	37.350		
3,900.00	3,869.03	3,609.09	3,433.46	18.05	20.21	113.67	-1,084.08	-253.34	1,313.47	1,278.41	35.05	37.474		
4,000.00	3,968.13	3,728.94	3,545.81	18.51	20.93	113.69	-1,124.60	-263.31	1,351.58	1,315.32	36.26	37.276		
4,100.00	4,067.23	3,899.35	3,708.07	18.98	21.90	113.82	-1,175.04	-275.73	1,385.56	1,347.65	37.91	36.550		
4,200.00	4,166.33	4,076.05	3,879.29	19.44	22.83	114.10	-1,217.36	-286.14	1,414.16	1,374.70	39.45	35.845		
4,300.00	4,265.43	4,257.99	4,058.04	19.90	23.70	114.54	-1,250.14	-294.21	1,437.10	1,396.24	40.86	35.171		
4,400.00	4,364.53	4,443.90	4,242.52	20.36	24.50	115.12	-1,272.18	-299.63	1,454.21	1,412.11	42.10	34.539		
4,500.00	4,463.63	4,632.28	4,430.57	20.82	25.22	115.87	-1,282.62	-302.20	1,465.36	1,422.21	43.16	33.955		
4,600.00	4,562.73	4,764.46	4,562.73	21.28	25.64	116.48	-1,283.44	-302.40	1,471.73	1,427.74	43.99	33.455		
4,700.00	4,661.83	4,863.56	4,661.83	21.75	25.93	116.94	-1,283.44	-302.40	1,477.79	1,432.99	44.80	32.989		
4,800.00	4,760.93	4,962.66	4,760.93	22.21	26.23	117.40	-1,283.44	-302.40	1,483.95	1,438.34	45.61	32.539		
4,900.00	4,860.04	5,061.76	4,860.04	22.67	26.53	117.85	-1,283.44	-302.40	1,490.19	1,443.78	46.42	32.104		
5,000.00	4,959.14	5,160.86	4,959.14	23.13	26.84	118.30	-1,283.44	-302.40	1,496.54	1,449.30	47.23	31.685		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,259.96	5,058.24	23.60	27.15	118.75	-1,283.44	-302.40	1,502.97	1,454.92	48.05	31.280		
5,200.00	5,157.34	5,359.06	5,157.34	24.06	27.46	119.19	-1,283.44	-302.40	1,509.50	1,460.63	48.87	30.889		
5,300.00	5,256.44	5,458.16	5,256.44	24.52	27.78	119.63	-1,283.44	-302.40	1,516.11	1,466.42	49.69	30.511		
5,400.00	5,355.54	5,557.26	5,355.54	24.99	28.09	120.06	-1,283.44	-302.40	1,522.82	1,472.30	50.51	30.146		
5,500.00	5,454.64	5,656.36	5,454.64	25.45	28.42	120.49	-1,283.44	-302.40	1,529.61	1,478.27	51.34	29.793		
5,600.00	5,553.74	5,755.46	5,553.74	25.92	28.74	120.92	-1,283.44	-302.40	1,536.49	1,484.32	52.17	29.452		
5,700.00	5,652.84	5,854.56	5,652.84	26.38	29.07	121.35	-1,283.44	-302.40	1,543.45	1,490.46	53.00	29.122		
5,800.00	5,751.94	5,953.66	5,751.94	26.84	29.40	121.76	-1,283.44	-302.40	1,550.50	1,496.67	53.83	28.803		
5,900.00	5,851.04	6,052.76	5,851.04	27.31	29.74	122.18	-1,283.44	-302.40	1,557.64	1,502.97	54.66	28.494		
6,000.00	5,950.14	6,151.86	5,950.14	27.77	30.07	122.59	-1,283.44	-302.40	1,564.85	1,509.35	55.50	28.195		
6,100.00	6,049.24	6,250.97	6,049.24	28.24	30.41	123.00	-1,283.44	-302.40	1,572.14	1,515.81	56.34	27.906		
6,200.00	6,148.34	6,350.07	6,148.34	28.70	30.75	123.41	-1,283.44	-302.40	1,579.52	1,522.34	57.18	27.626		
6,304.69	6,252.09	6,444.01	6,252.09	29.19	42.33	87.44	-1,279.95	784.13	1,513.96	1,462.46	51.50	29.399		
6,350.00	6,297.17	6,488.45	6,297.17	29.39	42.41	71.67	-1,279.94	788.56	1,484.46	1,431.69	52.77	28.131		
6,400.00	6,347.13	6,538.40	6,347.13	29.59	42.44	-33.54	-1,279.94	789.72	1,452.60	1,398.47	54.13	26.835		
6,450.00	6,397.02	6,588.44	6,397.02	29.78	42.39	-77.12	-1,279.95	786.95	1,421.71	1,366.28	55.44	25.645		
6,500.00	6,446.53	6,638.47	6,446.53	29.96	42.26	-86.70	-1,279.97	780.28	1,392.04	1,335.35	56.69	24.555		
6,550.00	6,495.35	6,688.44	6,495.35	30.14	42.07	-91.82	-1,280.00	769.75	1,363.80	1,305.92	57.88	23.564		
6,600.00	6,543.19	6,738.40	6,543.19	30.33	41.81	-95.31	-1,280.05	755.42	1,337.17	1,278.18	58.99	22.669		
6,650.00	6,591.76	6,788.43	6,591.76	30.52	41.58	-97.86	-1,280.10	737.37	1,312.28	1,252.18	60.10	21.837		
6,700.00	6,634.75	6,838.41	6,634.75	30.71	41.11	-99.76	-1,280.17	715.73	1,289.25	1,228.30	60.95	21.153		
6,750.00	6,677.90	6,888.51	6,677.90	30.91	40.69	-101.17	-1,280.25	690.62	1,268.13	1,206.35	61.78	20.525		
6,800.00	6,718.94	6,938.59	6,718.94	31.13	40.20	-102.17	-1,280.35	662.20	1,248.97	1,186.46	62.51	19.981		
6,850.00	6,757.62	6,988.53	6,757.62	31.36	39.68	-102.85	-1,280.45	630.65	1,231.75	1,168.61	63.13	19.511		
6,900.00	6,793.70	7,038.53	6,793.70	31.61	39.14	-103.25	-1,280.56	596.15	1,216.41	1,152.74	63.68	19.103		
6,950.00	6,826.95	7,088.81	6,826.95	31.88	38.57	-103.45	-1,280.68	558.92	1,202.90	1,138.78	64.12	18.761		
7,000.00	6,857.18	7,138.08	6,857.18	32.19	37.99	-103.49	-1,280.81	519.19	1,191.10	1,126.61	64.49	18.470		
7,050.00	6,884.18	7,188.10	6,884.18	32.52	37.41	-103.42	-1,280.94	477.21	1,180.91	1,116.10	64.80	18.223		
7,100.00	6,907.81	7,238.11	6,907.81	32.90	37.01	-103.29	-1,281.08	433.24	1,172.19	1,106.97	65.23	17.970		
7,150.00	6,927.91	7,288.06	6,927.91	33.32	36.31	-103.13	-1,281.23	387.54	1,164.84	1,099.55	65.30	17.840		
7,200.00	6,944.36	7,338.02	6,944.36	33.77	35.80	-102.97	-1,281.38	340.40	1,158.74	1,093.25	65.48	17.696		
7,250.00	6,957.05	7,388.40	6,957.05	34.27	35.16	-102.36	-1,281.63	261.68	1,153.22	1,087.79	65.43	17.625		
7,300.00	6,965.92	7,438.00	6,965.92	34.80	34.73	-101.57	-1,281.88	183.56	1,147.44	1,081.85	65.59	17.495		
7,350.00	6,970.89	7,488.55	6,970.89	35.37	34.48	-100.70	-1,282.11	112.42	1,141.58	1,075.61	65.97	17.304		
7,396.89	6,972.00	7,538.00	6,972.00	35.93	34.32	-99.84	-1,282.30	52.26	1,136.17	1,069.70	66.47	17.093		
7,400.00	6,971.96	7,537.80	6,971.96	35.97	34.31	-99.75	-1,282.32	48.50	1,135.82	1,069.31	66.51	17.078		
7,500.00	6,970.65	7,587.10	6,970.65	37.28	34.06	-96.60	-1,282.64	-53.60	1,123.95	1,055.96	68.00	16.529		
7,600.00	6,969.33	7,636.86	6,969.33	38.76	33.85	-93.44	-1,282.87	-123.82	1,113.20	1,043.43	69.77	15.955		
7,700.00	6,968.02	7,686.20	6,968.02	40.39	33.67	-90.63	-1,283.02	-171.19	1,106.07	1,034.45	71.62	15.443		
7,778.26	6,966.99	7,735.94	6,966.99	41.77	33.54	-88.73	-1,283.10	-197.41	1,104.20	1,031.11	73.09	15.107		
7,800.00	6,966.70	7,785.84	6,966.70	42.15	33.51	-88.25	-1,283.12	-203.44	1,104.35	1,030.87	73.49	15.028		
7,900.00	6,965.39	7,835.48	6,965.39	44.02	33.38	-86.29	-1,283.20	-225.87	1,109.19	1,033.88	75.31	14.729		
8,000.00	6,964.07	7,885.99	6,964.07	45.99	33.27	-84.66	-1,283.25	-241.86	1,121.21	1,044.17	77.03	14.555		
8,100.00	6,962.76	7,936.00	6,962.76	48.05	33.20	-83.54	-1,283.28	-251.66	1,140.67	1,062.04	78.64	14.506		
8,200.00	6,961.45	7,986.24	6,961.45	50.19	33.10	-82.18	-1,283.31	-262.31	1,167.48	1,087.45	80.03	14.588		
8,300.00	6,960.13	8,036.00	6,960.13	52.39	33.03	-81.16	-1,283.34	-269.39	1,201.38	1,120.15	81.24	14.789		
8,400.00	6,958.82	8,086.27	6,958.82	54.65	32.98	-80.40	-1,283.35	-274.21	1,241.94	1,159.69	82.25	15.100		
8,500.00	6,957.50	8,136.71	6,957.50	56.97	32.93	-79.70	-1,283.36	-278.33	1,288.62	1,205.56	83.06	15.514		
8,600.00	6,956.19	8,186.00	6,956.19	59.33	32.86	-78.74	-1,283.38	-283.41	1,340.89	1,257.24	83.66	16.029		
8,700.00	6,954.87	8,236.00	6,954.87	61.73	32.86	-78.74	-1,283.38	-283.41	1,398.09	1,313.91	84.18	16.608		
8,800.00	6,953.56	8,286.32	6,953.56	64.16	32.82	-78.08	-1,283.39	-286.58	1,459.73	1,375.23	84.50	17.275		
8,900.00	6,952.24	8,336.69	6,952.24	66.63	32.79	-77.66	-1,283.40	-288.44	1,525.31	1,440.59	84.72	18.003		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,919.98	6,717.44	69.13	32.76	-77.29	-1,283.40	-290.00	1,594.36	1,509.51	84.86	18.789		
9,100.00	6,949.61	6,900.00	6,697.79	71.65	32.69	-76.32	-1,283.41	-293.61	1,666.62	1,581.76	84.86	19.639		
9,200.00	6,948.30	6,900.00	6,697.79	74.20	32.69	-76.32	-1,283.41	-293.61	1,741.29	1,656.40	84.89	20.511		
9,300.00	6,946.98	6,900.00	6,697.79	76.77	32.69	-76.32	-1,283.41	-293.61	1,818.40	1,733.52	84.88	21.424		
9,400.00	6,945.67	6,900.00	6,697.79	79.35	32.69	-76.32	-1,283.41	-293.61	1,897.64	1,812.82	84.82	22.372		
9,500.00	6,944.35	6,900.00	6,697.79	81.95	32.69	-76.32	-1,283.41	-293.61	1,978.77	1,894.03	84.74	23.351		
9,600.00	6,943.04	6,900.00	6,697.79	84.57	32.69	-76.32	-1,283.41	-293.61	2,061.55	1,976.92	84.64	24.358		
9,700.00	6,941.73	6,900.00	6,697.79	87.21	32.69	-76.32	-1,283.41	-293.61	2,145.81	2,061.29	84.52	25.389		
9,800.00	6,940.41	6,879.17	6,677.19	89.85	32.61	-75.31	-1,283.42	-296.73	2,230.96	2,146.63	84.33	26.455		
9,900.00	6,939.10	6,875.74	6,673.79	92.51	32.60	-75.15	-1,283.43	-297.17	2,317.53	2,233.34	84.19	27.527		
10,000.00	6,937.78	6,872.54	6,670.62	95.17	32.59	-74.99	-1,283.43	-297.57	2,405.12	2,321.07	84.05	28.616		
10,100.00	6,936.47	6,869.57	6,667.67	97.85	32.58	-74.85	-1,283.43	-297.93	2,493.62	2,409.72	83.90	29.720		
10,200.00	6,935.15	6,850.00	6,648.21	100.54	32.51	-73.91	-1,283.43	-299.95	2,583.21	2,499.50	83.71	30.858		
10,300.00	6,933.84	6,850.00	6,648.21	103.23	32.51	-73.91	-1,283.43	-299.95	2,673.21	2,589.63	83.58	31.983		
10,400.00	6,932.52	6,850.00	6,648.21	105.93	32.51	-73.91	-1,283.43	-299.95	2,763.90	2,680.45	83.45	33.119		
10,500.00	6,931.21	6,850.00	6,648.21	108.64	32.51	-73.91	-1,283.43	-299.95	2,855.21	2,771.88	83.33	34.265		
10,600.00	6,929.89	6,850.00	6,648.21	111.36	32.51	-73.91	-1,283.43	-299.95	2,947.09	2,863.88	83.21	35.419		
10,700.00	6,928.58	6,850.00	6,648.21	114.08	32.51	-73.91	-1,283.43	-299.95	3,039.47	2,956.38	83.09	36.582		
10,800.00	6,927.26	6,850.00	6,648.21	116.81	32.51	-73.91	-1,283.43	-299.95	3,132.33	3,049.35	82.97	37.751		
10,900.00	6,925.95	6,850.00	6,648.21	119.54	32.51	-73.91	-1,283.43	-299.95	3,225.61	3,142.74	82.86	38.926		
11,000.00	6,924.64	6,850.00	6,648.21	122.28	32.51	-73.91	-1,283.43	-299.95	3,319.28	3,236.52	82.76	40.107		
11,100.00	6,923.32	6,850.00	6,648.21	125.02	32.51	-73.91	-1,283.43	-299.95	3,413.31	3,330.65	82.66	41.294		
11,200.00	6,922.01	6,850.00	6,648.21	127.77	32.51	-73.91	-1,283.43	-299.95	3,507.68	3,425.11	82.56	42.484		
11,300.00	6,920.69	6,850.00	6,648.21	130.52	32.51	-73.91	-1,283.43	-299.95	3,602.34	3,519.87	82.47	43.679		
11,400.00	6,919.38	6,850.00	6,648.21	133.28	32.51	-73.91	-1,283.43	-299.95	3,697.29	3,614.90	82.39	44.877		
11,500.00	6,918.06	6,850.00	6,648.21	136.04	32.51	-73.91	-1,283.43	-299.95	3,792.50	3,710.19	82.30	46.079		
11,600.00	6,916.75	6,850.00	6,648.21	138.80	32.51	-73.91	-1,283.43	-299.95	3,887.94	3,805.72	82.23	47.283		
11,700.00	6,915.43	6,850.00	6,648.21	141.56	32.51	-73.91	-1,283.43	-299.95	3,983.62	3,901.46	82.15	48.490		
11,800.00	6,914.12	6,850.00	6,648.21	144.33	32.51	-73.91	-1,283.43	-299.95	4,079.49	3,997.41	82.08	49.699		
11,900.00	6,912.80	6,850.00	6,648.21	147.10	32.51	-73.91	-1,283.43	-299.95	4,175.57	4,093.55	82.02	50.910		
12,000.00	6,911.49	6,850.00	6,648.21	149.88	32.51	-73.91	-1,283.43	-299.95	4,271.82	4,189.86	81.96	52.122		
12,100.00	6,910.17	6,850.00	6,648.21	152.65	32.51	-73.91	-1,283.43	-299.95	4,368.24	4,286.34	81.90	53.336		
12,200.00	6,908.86	6,850.00	6,648.21	155.43	32.51	-73.91	-1,283.43	-299.95	4,464.82	4,382.97	81.85	54.551		
12,300.00	6,907.54	6,850.00	6,648.21	158.21	32.51	-73.91	-1,283.43	-299.95	4,561.54	4,479.75	81.80	55.767		
12,400.00	6,906.23	6,850.00	6,648.21	160.99	32.51	-73.91	-1,283.43	-299.95	4,658.41	4,576.66	81.75	56.983		
12,500.00	6,904.92	6,850.00	6,648.21	163.78	32.51	-73.91	-1,283.43	-299.95	4,755.40	4,673.69	81.71	58.201		
12,600.00	6,903.60	6,850.00	6,648.21	166.57	32.51	-73.91	-1,283.43	-299.95	4,852.52	4,770.85	81.67	59.418		
12,700.00	6,902.29	6,850.00	6,648.21	169.35	32.51	-73.91	-1,283.43	-299.95	4,949.75	4,868.12	81.63	60.636		
12,800.00	6,900.97	6,850.00	6,648.21	172.14	32.51	-73.91	-1,283.43	-299.95	5,047.09	4,965.49	81.60	61.854		
12,900.00	6,899.66	6,850.00	6,648.21	174.94	32.51	-73.91	-1,283.43	-299.95	5,144.53	5,062.96	81.57	63.072		
13,000.00	6,898.34	6,827.73	6,625.99	177.73	32.43	-72.85	-1,283.44	-301.51	5,241.63	5,160.14	81.50	64.318		
13,100.00	6,897.03	6,827.02	6,625.28	180.53	32.43	-72.82	-1,283.44	-301.55	5,339.24	5,257.77	81.47	65.536		
13,200.00	6,895.71	6,826.33	6,624.59	183.32	32.42	-72.78	-1,283.44	-301.58	5,436.92	5,355.48	81.45	66.755		
13,300.00	6,894.40	6,825.66	6,623.93	186.12	32.42	-72.75	-1,283.44	-301.62	5,534.69	5,453.27	81.43	67.972		
13,400.00	6,893.08	6,825.02	6,623.29	188.92	32.42	-72.72	-1,283.44	-301.65	5,632.54	5,551.13	81.41	69.189		
13,500.00	6,891.77	6,824.40	6,622.66	191.72	32.42	-72.69	-1,283.44	-301.68	5,730.46	5,649.07	81.39	70.406		
13,600.00	6,890.45	6,823.79	6,622.06	194.52	32.42	-72.66	-1,283.44	-301.71	5,828.45	5,747.07	81.38	71.621		
13,700.00	6,889.14	6,823.21	6,621.47	197.32	32.41	-72.64	-1,283.44	-301.73	5,926.51	5,845.14	81.37	72.836		
13,800.00	6,887.82	6,822.64	6,620.91	200.13	32.41	-72.61	-1,283.44	-301.76	6,024.63	5,943.27	81.36	74.049		
13,900.00	6,886.51	6,800.00	6,598.28	202.93	32.33	-71.54	-1,283.44	-302.37	6,123.23	6,041.92	81.31	75.308		
14,000.00	6,885.20	6,800.00	6,598.28	205.74	32.33	-71.54	-1,283.44	-302.37	6,221.44	6,140.14	81.31	76.518		
14,100.00	6,883.88	6,800.00	6,598.28	208.55	32.33	-71.54	-1,283.44	-302.37	6,319.72	6,238.41	81.31	77.728		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,800.00	6,598.28	211.35	32.33	-71.54	-1,283.44	-302.37	6,418.04	6,336.74	81.31	78.936	
14,300.00	6,881.25	6,800.00	6,598.28	214.16	32.33	-71.54	-1,283.44	-302.37	6,516.42	6,435.11	81.31	80.143	
14,400.00	6,879.94	6,800.00	6,598.28	216.97	32.33	-71.54	-1,283.44	-302.37	6,614.85	6,533.53	81.32	81.348	
14,500.00	6,878.62	6,800.00	6,598.28	219.78	32.33	-71.54	-1,283.44	-302.37	6,713.32	6,632.00	81.32	82.552	
14,600.00	6,877.31	6,800.00	6,598.28	222.59	32.33	-71.54	-1,283.44	-302.37	6,811.84	6,730.51	81.33	83.754	
14,700.00	6,875.99	6,800.00	6,598.28	225.41	32.33	-71.54	-1,283.44	-302.37	6,910.40	6,829.06	81.34	84.955	
14,800.00	6,874.68	6,800.00	6,598.28	228.22	32.33	-71.54	-1,283.44	-302.37	7,009.00	6,927.65	81.35	86.154	
14,900.00	6,873.36	6,800.00	6,598.28	231.03	32.33	-71.54	-1,283.44	-302.37	7,107.64	7,026.27	81.37	87.351	
15,000.00	6,872.05	6,800.00	6,598.28	233.85	32.33	-71.54	-1,283.44	-302.37	7,206.32	7,124.93	81.38	88.547	
15,100.00	6,870.73	6,800.00	6,598.28	236.66	32.33	-71.54	-1,283.44	-302.37	7,305.03	7,223.63	81.40	89.740	
15,200.00	6,869.42	6,800.00	6,598.28	239.48	32.33	-71.54	-1,283.44	-302.37	7,403.78	7,322.36	81.42	90.932	
15,300.00	6,868.11	6,800.00	6,598.28	242.29	32.33	-71.54	-1,283.44	-302.37	7,502.56	7,421.12	81.44	92.122	
15,400.00	6,866.79	6,800.00	6,598.28	245.11	32.33	-71.54	-1,283.44	-302.37	7,601.37	7,519.91	81.46	93.310	
15,460.11	6,866.00	6,800.00	6,598.28	246.80	32.33	-71.54	-1,283.44	-302.37	7,660.79	7,579.31	81.48	94.023	
15,460.74	6,865.99	6,800.00	6,598.28	246.82	32.33	-71.54	-1,283.44	-302.37	7,661.40	7,579.93	81.48	94.030	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-174.46	-74.68	-7.24	75.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.46	-74.68	-7.24	75.03	68.46	6.57	11.421		
200.00	200.00	200.00	200.00	3.34	3.34	-174.46	-74.68	-7.24	75.03	68.36	6.67	11.242 CC, ES		
300.00	299.98	297.43	297.41	3.44	3.44	88.02	-76.27	-7.72	76.62	69.73	6.89	11.122 SF		
400.00	399.84	394.47	394.32	3.60	3.58	92.08	-80.99	-9.16	81.68	74.47	7.21	11.324		
500.00	499.45	490.74	490.24	3.80	3.77	97.74	-88.78	-11.54	90.93	83.29	7.64	11.905		
584.50	583.35	571.21	570.17	4.01	3.96	102.88	-97.65	-14.24	102.54	94.48	8.06	12.722		
600.00	598.71	585.87	584.70	4.05	4.00	103.84	-99.50	-14.80	105.06	96.92	8.14	12.902		
700.00	697.81	680.69	678.45	4.33	4.26	108.90	-113.10	-18.95	123.73	115.03	8.69	14.231		
800.00	796.91	778.21	774.72	4.64	4.56	121.65	-128.03	-23.50	144.10	134.83	9.27	15.539		
900.00	896.01	875.74	870.99	4.98	4.89	115.46	-142.96	-28.05	164.92	155.02	9.90	16.666		
1,000.00	995.11	973.27	967.25	5.34	5.24	117.64	-157.89	-32.60	186.04	175.47	10.56	17.609		
1,100.00	1,094.21	1,070.79	1,063.52	5.71	5.61	119.38	-172.83	-37.15	207.36	196.09	11.27	18.404		
1,200.00	1,193.31	1,168.32	1,159.79	6.10	6.00	120.79	-187.76	-41.70	228.83	216.83	12.00	19.072		
1,300.00	1,292.41	1,265.85	1,256.06	6.49	6.39	121.96	-202.69	-46.25	250.41	237.65	12.75	19.636		
1,400.00	1,391.51	1,363.38	1,352.33	6.90	6.80	122.94	-217.62	-50.80	272.07	258.54	13.53	20.115		
1,500.00	1,490.61	1,460.90	1,448.60	7.31	7.21	123.78	-232.55	-55.35	293.80	279.48	14.32	20.522		
1,600.00	1,589.71	1,558.43	1,544.87	7.73	7.63	124.50	-247.48	-59.90	315.58	300.46	15.12	20.872		
1,700.00	1,688.81	1,655.96	1,641.14	8.16	8.06	125.13	-262.41	-64.45	337.40	321.47	15.94	21.173		
1,800.00	1,787.92	1,753.48	1,737.41	8.59	8.49	125.69	-277.35	-69.01	359.26	342.50	16.76	21.434		
1,900.00	1,887.02	1,851.01	1,833.68	9.02	8.93	126.18	-292.28	-73.56	381.14	363.55	17.60	21.662		
2,000.00	1,986.12	1,948.54	1,929.95	9.46	9.36	126.62	-307.21	-78.11	403.05	384.62	18.44	21.861		
2,100.00	2,085.22	2,046.06	2,026.22	9.90	9.81	127.01	-322.14	-82.66	424.98	405.70	19.28	22.037		
2,200.00	2,184.32	2,143.59	2,122.49	10.34	10.25	127.36	-337.07	-87.21	446.93	426.79	20.14	22.193		
2,300.00	2,283.42	2,241.12	2,218.76	10.78	10.70	127.68	-352.00	-91.76	468.89	447.89	21.00	22.332		
2,400.00	2,382.52	2,338.64	2,315.03	11.23	11.15	127.97	-366.93	-96.31	490.86	469.00	21.86	22.456		
2,500.00	2,481.62	2,436.17	2,411.30	11.68	11.60	128.24	-381.87	-100.86	512.85	490.12	22.73	22.567		
2,600.00	2,580.72	2,533.70	2,507.57	12.13	12.05	128.48	-396.80	-105.41	534.84	511.24	23.60	22.667		
2,700.00	2,679.82	2,631.22	2,603.84	12.58	12.50	128.71	-411.73	-109.96	556.84	532.37	24.47	22.757		
2,800.00	2,778.92	2,728.75	2,700.11	13.03	12.96	128.92	-426.66	-114.51	578.85	553.51	25.34	22.839		
2,900.00	2,878.02	2,826.28	2,796.38	13.48	13.41	129.11	-441.59	-119.06	600.87	574.65	26.22	22.914		
3,000.00	2,977.12	2,923.80	2,892.65	13.94	13.87	129.29	-456.52	-123.61	622.89	595.79	27.10	22.982		
3,100.00	3,076.22	3,021.33	2,988.92	14.39	14.33	129.46	-471.45	-128.16	644.92	616.94	27.99	23.045		
3,200.00	3,175.32	3,118.86	3,085.19	14.85	14.79	129.61	-486.39	-132.72	666.95	638.08	28.87	23.102		
3,300.00	3,274.43	3,216.39	3,181.46	15.30	15.25	129.76	-501.32	-137.27	688.99	659.24	29.76	23.155		
3,400.00	3,373.53	3,313.91	3,277.72	15.76	15.71	129.90	-516.25	-141.82	711.03	680.39	30.64	23.204		
3,500.00	3,472.63	3,411.44	3,373.99	16.22	16.17	130.03	-531.18	-146.37	733.08	701.55	31.53	23.249		
3,600.00	3,571.73	3,508.97	3,470.26	16.68	16.63	130.15	-546.11	-150.92	755.13	722.71	32.42	23.291		
3,700.00	3,670.83	3,606.49	3,566.53	17.14	17.09	130.26	-561.04	-155.47	777.18	743.87	33.31	23.330		
3,800.00	3,769.93	3,704.02	3,662.80	17.59	17.55	130.37	-575.97	-160.02	799.23	765.03	34.21	23.366		
3,900.00	3,869.03	3,801.55	3,759.07	18.05	18.02	130.47	-590.91	-164.57	821.29	786.19	35.10	23.400		
4,000.00	3,968.13	3,900.93	3,855.34	18.51	18.49	130.57	-605.84	-169.12	843.35	807.35	36.00	23.426		
4,100.00	4,067.23	4,003.40	3,951.61	18.98	18.98	130.66	-620.77	-173.67	865.41	828.49	36.92	23.441		
4,200.00	4,166.33	4,105.87	4,047.88	19.44	19.46	130.75	-635.70	-178.22	887.48	849.64	37.84	23.455		
4,300.00	4,265.43	4,208.35	4,144.15	19.90	19.95	130.83	-650.63	-182.77	909.54	870.78	38.76	23.468		
4,400.00	4,364.53	4,289.18	4,240.42	20.36	20.34	130.91	-665.56	-187.32	931.61	892.03	39.58	23.539		
4,500.00	4,463.63	4,386.71	4,336.69	20.82	20.80	130.99	-680.49	-191.88	953.68	913.20	40.48	23.562		
4,600.00	4,562.73	4,484.23	4,432.96	21.28	21.27	131.06	-695.43	-196.43	975.75	934.37	41.37	23.583		
4,700.00	4,661.83	4,581.76	4,529.23	21.75	21.74	131.13	-710.36	-200.98	997.82	955.55	42.27	23.604		
4,800.00	4,760.93	4,679.29	4,625.50	22.21	22.20	131.20	-725.29	-205.53	1,019.89	976.72	43.17	23.623		
4,900.00	4,860.04	4,776.82	4,721.77	22.67	22.67	131.26	-740.22	-210.08	1,041.97	997.89	44.07	23.642		
5,000.00	4,959.14	4,874.34	4,818.04	23.13	23.13	131.32	-755.15	-214.63	1,064.04	1,019.07	44.97	23.659		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,971.87	4,914.31	23.60	23.60	131.38	-770.08	-219.18	1,086.12	1,040.24	45.88	23.675		
5,200.00	5,157.34	5,069.40	5,010.58	24.06	24.07	131.43	-785.01	-223.73	1,108.20	1,061.42	46.78	23.691		
5,300.00	5,256.44	5,166.92	5,106.85	24.52	24.53	131.49	-799.95	-228.28	1,130.28	1,082.60	47.68	23.706		
5,400.00	5,355.54	5,264.45	5,203.12	24.99	25.00	131.54	-814.88	-232.83	1,152.36	1,103.77	48.58	23.720		
5,500.00	5,454.64	5,361.98	5,299.39	25.45	25.47	131.59	-829.81	-237.38	1,174.44	1,124.95	49.48	23.734		
5,600.00	5,553.74	5,459.50	5,395.66	25.92	25.94	131.64	-844.74	-241.93	1,196.52	1,146.13	50.39	23.746		
5,700.00	5,652.84	5,557.03	5,491.93	26.38	26.40	131.68	-859.67	-246.48	1,218.60	1,167.31	51.29	23.759		
5,800.00	5,751.94	5,654.56	5,588.19	26.84	26.87	131.73	-874.60	-251.04	1,240.68	1,188.49	52.19	23.770		
5,900.00	5,851.04	5,752.08	5,684.46	27.31	27.34	131.77	-889.53	-255.59	1,262.77	1,209.67	53.10	23.781		
6,000.00	5,950.14	5,849.61	5,780.73	27.77	27.81	131.81	-904.47	-260.14	1,284.85	1,230.85	54.00	23.792		
6,100.00	6,049.24	5,948.71	5,871.84	28.24	28.28	131.85	-919.40	-264.69	1,306.93	1,252.05	54.90	23.803		
6,200.00	6,148.34	6,047.81	5,962.97	28.70	28.74	131.89	-934.34	-269.24	1,329.01	1,273.25	55.80	23.814		
6,300.00	6,247.44	6,146.91	6,062.07	29.17	29.21	131.93	-949.28	-273.79	1,351.09	1,294.45	56.70	23.825		
6,400.00	6,346.54	6,246.01	6,161.17	29.63	29.67	131.97	-964.22	-278.34	1,373.17	1,315.65	57.60	23.836		
6,500.00	6,445.64	6,345.11	6,260.27	30.10	30.14	132.01	-979.16	-282.89	1,395.25	1,336.85	58.50	23.847		
6,600.00	6,544.74	6,444.21	6,359.37	30.56	30.60	132.05	-994.10	-287.44	1,417.33	1,358.05	59.40	23.858		
6,700.00	6,643.84	6,543.31	6,458.47	31.03	31.07	132.09	-1,009.04	-291.99	1,439.41	1,379.25	60.30	23.869		
6,800.00	6,742.94	6,642.41	6,557.57	31.49	31.53	132.13	-1,023.98	-296.54	1,461.49	1,400.45	61.20	23.880		
6,900.00	6,842.04	6,741.51	6,656.67	31.96	32.00	132.17	-1,038.92	-301.09	1,483.57	1,421.65	62.10	23.891		
7,000.00	6,941.14	6,840.61	6,755.77	32.42	32.46	132.21	-1,053.86	-305.64	1,505.65	1,442.85	63.00	23.902		
7,100.00	7,040.24	6,939.71	6,854.87	32.89	32.93	132.25	-1,068.80	-310.19	1,527.73	1,464.05	63.90	23.913		
7,200.00	7,139.34	7,038.81	6,953.97	33.35	33.39	132.29	-1,083.74	-314.74	1,549.81	1,485.25	64.80	23.924		
7,300.00	7,238.44	7,137.91	7,053.07	33.82	33.86	132.33	-1,098.68	-319.29	1,571.89	1,506.45	65.70	23.935		
7,400.00	7,337.54	7,237.01	7,152.17	34.28	34.32	132.37	-1,113.62	-323.84	1,593.97	1,527.65	66.60	23.946		
7,500.00	7,436.64	7,336.11	7,251.27	34.75	34.79	132.41	-1,128.56	-328.39	1,616.05	1,548.85	67.50	23.957		
7,600.00	7,535.74	7,435.21	7,350.37	35.21	35.25	132.45	-1,143.50	-332.94	1,638.13	1,569.05	68.40	23.968		
7,700.00	7,634.84	7,534.31	7,449.47	35.68	35.72	132.49	-1,158.44	-337.49	1,660.21	1,590.25	69.30	23.979		
7,800.00	7,733.94	7,633.41	7,548.57	36.14	36.18	132.53	-1,173.38	-342.04	1,682.29	1,611.45	70.20	23.990		
7,900.00	7,833.04	7,732.51	7,647.67	36.61	36.65	132.57	-1,188.32	-346.59	1,704.37	1,632.65	71.10	24.001		
8,000.00	7,932.14	7,831.61	7,746.77	37.07	37.11	132.61	-1,203.26	-351.14	1,726.45	1,653.85	72.00	24.012		
8,100.00	8,031.24	7,930.71	7,845.87	37.54	37.58	132.65	-1,218.20	-355.69	1,748.53	1,675.05	72.90	24.023		
8,200.00	8,130.34	8,029.81	7,944.97	38.00	38.04	132.69	-1,233.14	-360.24	1,770.61	1,696.25	73.80	24.034		
8,300.00	8,229.44	8,128.91	8,044.07	38.47	38.51	132.73	-1,248.08	-364.79	1,792.69	1,717.45	74.70	24.045		
8,400.00	8,328.54	8,228.01	8,143.17	38.93	38.97	132.77	-1,263.02	-369.34	1,814.77	1,738.65	75.60	24.056		
8,500.00	8,427.64	8,327.11	8,242.27	39.40	39.44	132.81	-1,277.96	-373.89	1,836.85	1,759.85	76.50	24.067		
8,600.00	8,526.74	8,426.21	8,341.37	39.86	39.90	132.85	-1,292.90	-378.44	1,858.93	1,781.05	77.40	24.078		
8,700.00	8,625.84	8,525.31	8,440.47	40.33	40.37	132.89	-1,307.84	-382.99	1,881.01	1,802.25	78.30	24.089		
8,800.00	8,724.94	8,624.41	8,539.57	40.79	40.83	132.93	-1,322.78	-387.54	1,903.09	1,823.45	79.20	24.100		
8,900.00	8,824.04	8,723.51	8,638.67	41.26	41.30	132.97	-1,337.72	-392.09	1,925.17	1,844.65	80.10	24.111		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,532.24	6,451.96	69.13	30.96	-58.13	-1,008.51	-253.84	1,521.72	1,446.43	75.29	20.210		
9,100.00	6,949.61	6,522.56	6,442.81	71.65	30.93	-57.63	-1,007.09	-256.63	1,599.73	1,524.47	75.26	21.257		
9,200.00	6,948.30	6,500.00	6,421.31	74.20	30.84	-56.47	-1,003.77	-262.60	1,680.09	1,605.07	75.02	22.396		
9,300.00	6,946.98	6,500.00	6,421.31	76.77	30.84	-56.47	-1,003.77	-262.60	1,762.02	1,686.96	75.06	23.476		
9,400.00	6,945.67	6,500.00	6,421.31	79.35	30.84	-56.47	-1,003.77	-262.60	1,845.72	1,770.66	75.06	24.589		
9,500.00	6,944.35	6,500.00	6,421.31	81.95	30.84	-56.47	-1,003.77	-262.60	1,930.98	1,855.93	75.05	25.731		
9,600.00	6,943.04	6,500.00	6,421.31	84.57	30.84	-56.47	-1,003.77	-262.60	2,017.59	1,942.58	75.01	26.897		
9,700.00	6,941.73	6,479.70	6,401.79	87.21	30.76	-55.44	-1,000.75	-267.30	2,104.99	2,030.22	74.77	28.154		
9,800.00	6,940.41	6,474.37	6,396.65	89.85	30.74	-55.17	-999.96	-268.43	2,193.60	2,118.93	74.67	29.377		
9,900.00	6,939.10	6,469.42	6,391.86	92.51	30.72	-54.92	-999.22	-269.44	2,283.10	2,208.53	74.58	30.614		
10,000.00	6,937.78	6,450.00	6,373.00	95.17	30.65	-53.94	-996.30	-273.05	2,373.61	2,299.26	74.35	31.925		
10,100.00	6,936.47	6,450.00	6,373.00	97.85	30.65	-53.94	-996.30	-273.05	2,464.52	2,390.21	74.30	33.168		
10,200.00	6,935.15	6,450.00	6,373.00	100.54	30.65	-53.94	-996.30	-273.05	2,556.11	2,481.85	74.25	34.423		
10,300.00	6,933.84	6,450.00	6,373.00	103.23	30.65	-53.94	-996.30	-273.05	2,648.30	2,574.10	74.20	35.689		
10,400.00	6,932.52	6,450.00	6,373.00	105.93	30.65	-53.94	-996.30	-273.05	2,741.04	2,666.89	74.15	36.964		
10,500.00	6,931.21	6,450.00	6,373.00	108.64	30.65	-53.94	-996.30	-273.05	2,834.28	2,760.18	74.10	38.248		
10,600.00	6,929.89	6,450.00	6,373.00	111.36	30.65	-53.94	-996.30	-273.05	2,927.96	2,853.91	74.05	39.538		
10,700.00	6,928.58	6,450.00	6,373.00	114.08	30.65	-53.94	-996.30	-273.05	3,022.05	2,948.05	74.01	40.835		
10,800.00	6,927.26	6,450.00	6,373.00	116.81	30.65	-53.94	-996.30	-273.05	3,116.51	3,042.55	73.96	42.137		
10,900.00	6,925.95	6,450.00	6,373.00	119.54	30.65	-53.94	-996.30	-273.05	3,211.30	3,137.38	73.92	43.445		
11,000.00	6,924.64	6,450.00	6,373.00	122.28	30.65	-53.94	-996.30	-273.05	3,306.40	3,232.53	73.87	44.757		
11,100.00	6,923.32	6,429.23	6,352.72	125.02	30.56	-52.91	-993.16	-276.26	3,401.39	3,327.69	73.70	46.154		
11,200.00	6,922.01	6,426.94	6,350.48	127.77	30.55	-52.80	-992.81	-276.57	3,496.93	3,423.29	73.65	47.482		
11,300.00	6,920.69	6,424.76	6,348.34	130.52	30.54	-52.69	-992.48	-276.86	3,592.72	3,519.11	73.60	48.812		
11,400.00	6,919.38	6,422.68	6,346.30	133.28	30.53	-52.59	-992.17	-277.13	3,688.71	3,615.15	73.56	50.145		
11,500.00	6,918.06	6,420.70	6,344.36	136.04	30.52	-52.49	-991.87	-277.38	3,784.91	3,711.39	73.52	51.480		
11,600.00	6,916.75	6,400.00	6,324.03	138.80	30.43	-51.49	-988.72	-279.63	3,881.61	3,808.24	73.37	52.905		
11,700.00	6,915.43	6,400.00	6,324.03	141.56	30.43	-51.49	-988.72	-279.63	3,978.11	3,904.76	73.35	54.234		
11,800.00	6,914.12	6,400.00	6,324.03	144.33	30.43	-51.49	-988.72	-279.63	4,074.77	4,001.44	73.33	55.564		
11,900.00	6,912.80	6,400.00	6,324.03	147.10	30.43	-51.49	-988.72	-279.63	4,171.60	4,098.28	73.32	56.896		
12,000.00	6,911.49	6,400.00	6,324.03	149.88	30.43	-51.49	-988.72	-279.63	4,268.57	4,195.26	73.31	58.228		
12,100.00	6,910.17	6,400.00	6,324.03	152.65	30.43	-51.49	-988.72	-279.63	4,365.67	4,292.38	73.30	59.561		
12,200.00	6,908.86	6,400.00	6,324.03	155.43	30.43	-51.49	-988.72	-279.63	4,462.91	4,389.62	73.29	60.894		
12,300.00	6,907.54	6,400.00	6,324.03	158.21	30.43	-51.49	-988.72	-279.63	4,560.26	4,486.98	73.28	62.228		
12,400.00	6,906.23	6,400.00	6,324.03	160.99	30.43	-51.49	-988.72	-279.63	4,657.73	4,584.45	73.28	63.561		
12,500.00	6,904.92	6,400.00	6,324.03	163.78	30.43	-51.49	-988.72	-279.63	4,755.30	4,682.02	73.28	64.894		
12,600.00	6,903.60	6,400.00	6,324.03	166.57	30.43	-51.49	-988.72	-279.63	4,852.97	4,779.69	73.28	66.227		
12,700.00	6,902.29	6,400.00	6,324.03	169.35	30.43	-51.49	-988.72	-279.63	4,950.73	4,877.45	73.28	67.559		
12,800.00	6,900.97	6,400.00	6,324.03	172.14	30.43	-51.49	-988.72	-279.63	5,048.58	4,975.30	73.28	68.890		
12,900.00	6,899.66	6,400.00	6,324.03	174.94	30.43	-51.49	-988.72	-279.63	5,146.51	5,073.22	73.29	70.221		
13,000.00	6,898.34	6,400.00	6,324.03	177.73	30.43	-51.49	-988.72	-279.63	5,244.52	5,171.23	73.30	71.550		
13,100.00	6,897.03	6,400.00	6,324.03	180.53	30.43	-51.49	-988.72	-279.63	5,342.61	5,269.30	73.31	72.879		
13,200.00	6,895.71	6,400.00	6,324.03	183.32	30.43	-51.49	-988.72	-279.63	5,440.76	5,367.44	73.32	74.206		
13,300.00	6,894.40	6,400.00	6,324.03	186.12	30.43	-51.49	-988.72	-279.63	5,538.98	5,465.65	73.33	75.532		
13,400.00	6,893.08	6,400.00	6,324.03	188.92	30.43	-51.49	-988.72	-279.63	5,637.27	5,563.92	73.35	76.856		
13,500.00	6,891.77	6,400.00	6,324.03	191.72	30.43	-51.49	-988.72	-279.63	5,735.61	5,662.24	73.37	78.179		
13,600.00	6,890.45	6,400.00	6,324.03	194.52	30.43	-51.49	-988.72	-279.63	5,834.01	5,760.62	73.38	79.500		
13,700.00	6,889.14	6,400.00	6,324.03	197.32	30.43	-51.49	-988.72	-279.63	5,932.46	5,859.06	73.40	80.820		
13,800.00	6,887.82	6,400.00	6,324.03	200.13	30.43	-51.49	-988.72	-279.63	6,030.96	5,957.54	73.43	82.138		
13,900.00	6,886.51	6,400.00	6,324.03	202.93	30.43	-51.49	-988.72	-279.63	6,129.52	6,056.07	73.45	83.453		
14,000.00	6,885.20	6,400.00	6,324.03	205.74	30.43	-51.49	-988.72	-279.63	6,228.11	6,154.64	73.47	84.767		
14,100.00	6,883.88	6,400.00	6,324.03	208.55	30.43	-51.49	-988.72	-279.63	6,326.76	6,253.26	73.50	86.079		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,400.00	6,324.03	211.35	30.43	-51.49	-988.72	-279.63	6,425.44	6,351.91	73.53	87.389	
14,300.00	6,881.25	6,400.00	6,324.03	214.16	30.43	-51.49	-988.72	-279.63	6,524.16	6,450.61	73.56	88.696	
14,400.00	6,879.94	6,400.00	6,324.03	216.97	30.43	-51.49	-988.72	-279.63	6,622.93	6,549.34	73.59	90.001	
14,500.00	6,878.62	6,400.00	6,324.03	219.78	30.43	-51.49	-988.72	-279.63	6,721.72	6,648.11	73.62	91.304	
14,600.00	6,877.31	6,400.00	6,324.03	222.59	30.43	-51.49	-988.72	-279.63	6,820.56	6,746.91	73.65	92.604	
14,700.00	6,875.99	6,400.00	6,324.03	225.41	30.43	-51.49	-988.72	-279.63	6,919.43	6,845.74	73.69	93.902	
14,800.00	6,874.68	6,400.00	6,324.03	228.22	30.43	-51.49	-988.72	-279.63	7,018.33	6,944.60	73.72	95.198	
14,900.00	6,873.36	6,400.00	6,324.03	231.03	30.43	-51.49	-988.72	-279.63	7,117.26	7,043.50	73.76	96.491	
15,000.00	6,872.05	6,400.00	6,324.03	233.85	30.43	-51.49	-988.72	-279.63	7,216.22	7,142.42	73.80	97.781	
15,100.00	6,870.73	6,400.00	6,324.03	236.66	30.43	-51.49	-988.72	-279.63	7,315.20	7,241.36	73.84	99.068	
15,200.00	6,869.42	6,400.00	6,324.03	239.48	30.43	-51.49	-988.72	-279.63	7,414.22	7,340.34	73.88	100.353	
15,300.00	6,868.11	6,400.00	6,324.03	242.29	30.43	-51.49	-988.72	-279.63	7,513.26	7,439.34	73.92	101.635	
15,400.00	6,866.79	6,400.00	6,324.03	245.11	30.43	-51.49	-988.72	-279.63	7,612.33	7,538.36	73.97	102.915	
15,460.11	6,866.00	6,400.00	6,324.03	246.80	30.43	-51.49	-988.72	-279.63	7,671.89	7,597.90	73.99	103.682	
15,460.74	6,865.99	6,400.00	6,324.03	246.82	30.43	-51.49	-988.72	-279.63	7,672.51	7,598.51	73.99	103.690	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	297.59	297.57	3.44	3.44	-93.71	90.80	10.07	91.49	84.60	6.89	13.279		
400.00	399.84	395.03	394.88	3.60	3.60	-94.78	94.35	13.56	95.80	88.59	7.21	13.284		
500.00	499.45	492.19	491.68	3.80	3.80	-96.37	100.23	19.35	103.05	95.42	7.63	13.509		
584.50	583.35	573.96	572.90	4.01	3.99	-97.92	107.00	26.00	111.52	103.48	8.04	13.865		
600.00	598.71	588.93	587.73	4.05	4.03	-98.23	108.41	27.39	113.30	105.18	8.12	13.945		
700.00	697.81	685.21	682.90	4.33	4.30	-99.41	118.85	37.65	126.22	117.53	8.69	14.529		
800.00	796.91	780.91	776.94	4.64	4.60	-99.41	131.47	50.06	141.48	132.17	9.31	15.204		
900.00	896.01	878.12	871.95	4.98	4.93	-98.72	146.13	64.48	158.62	148.66	9.96	15.925		
1,000.00	995.11	976.59	968.14	5.34	5.29	-98.11	161.15	79.25	175.96	165.30	10.66	16.508		
1,100.00	1,094.21	1,075.06	1,064.33	5.71	5.67	-97.60	176.16	94.02	193.31	181.92	11.39	16.970		
1,200.00	1,193.31	1,173.53	1,160.52	6.10	6.07	-97.18	191.18	108.78	210.67	198.52	12.15	17.337		
1,300.00	1,292.41	1,272.00	1,256.71	6.49	6.48	-96.82	206.20	123.55	228.04	215.11	12.94	17.629		
1,400.00	1,391.51	1,370.47	1,352.90	6.90	6.90	-96.51	221.21	138.32	245.42	231.68	13.74	17.862		
1,500.00	1,490.61	1,468.94	1,449.09	7.31	7.33	-96.25	236.23	153.08	262.81	248.25	14.56	18.050		
1,600.00	1,589.71	1,567.41	1,545.29	7.73	7.77	-96.01	251.25	167.85	280.20	264.81	15.39	18.202		
1,700.00	1,688.81	1,665.88	1,641.48	8.16	8.21	-95.81	266.26	182.62	297.59	281.36	16.24	18.325		
1,800.00	1,787.92	1,764.35	1,737.67	8.59	8.66	-95.62	281.28	197.39	314.99	297.90	17.10	18.426		
1,900.00	1,887.02	1,862.82	1,833.86	9.02	9.11	-95.46	296.30	212.15	332.39	314.43	17.96	18.508		
2,000.00	1,986.12	1,961.29	1,930.05	9.46	9.57	-95.31	311.31	226.92	349.80	330.97	18.83	18.575		
2,100.00	2,085.22	2,059.76	2,026.24	9.90	10.03	-95.18	326.33	241.69	367.20	347.49	19.71	18.631		
2,200.00	2,184.32	2,158.23	2,122.44	10.34	10.49	-95.06	341.35	256.45	384.61	364.02	20.59	18.677		
2,300.00	2,283.42	2,256.70	2,218.63	10.78	10.96	-94.95	356.36	271.22	402.02	380.54	21.48	18.715		
2,400.00	2,382.52	2,355.17	2,314.82	11.23	11.42	-94.84	371.38	285.99	419.43	397.05	22.37	18.746		
2,500.00	2,481.62	2,453.64	2,411.01	11.68	11.89	-94.75	386.40	300.76	436.84	413.57	23.27	18.772		
2,600.00	2,580.72	2,552.11	2,507.20	12.13	12.36	-94.66	401.41	315.52	454.25	430.08	24.17	18.794		
2,700.00	2,679.82	2,650.58	2,603.39	12.58	12.84	-94.58	416.43	330.29	471.66	446.59	25.07	18.811		
2,800.00	2,778.92	2,749.05	2,699.58	13.03	13.31	-94.51	431.45	345.06	489.08	463.10	25.98	18.826		
2,900.00	2,878.02	2,847.52	2,795.78	13.48	13.79	-94.44	446.46	359.82	506.49	479.60	26.89	18.838		
3,000.00	2,977.12	2,945.99	2,891.97	13.94	14.26	-94.37	461.48	374.59	523.91	496.11	27.80	18.847		
3,100.00	3,076.22	3,044.46	2,988.16	14.39	14.74	-94.31	476.50	389.36	541.32	512.61	28.71	18.855		
3,200.00	3,175.32	3,142.93	3,084.35	14.85	15.22	-94.26	491.51	404.13	558.74	529.11	29.62	18.861		
3,300.00	3,274.43	3,241.40	3,180.54	15.30	15.70	-94.20	506.53	418.89	576.16	545.62	30.54	18.866		
3,400.00	3,373.53	3,339.87	3,276.73	15.76	16.18	-94.15	521.55	433.66	593.57	562.12	31.46	18.869		
3,500.00	3,472.63	3,438.34	3,372.93	16.22	16.66	-94.11	536.56	448.43	610.99	578.61	32.38	18.872		
3,600.00	3,571.73	3,536.81	3,469.12	16.68	17.14	-94.06	551.58	463.19	628.41	595.11	33.30	18.873		
3,700.00	3,670.83	3,635.28	3,565.31	17.14	17.62	-94.02	566.60	477.96	645.83	611.61	34.22	18.874		
3,800.00	3,769.93	3,733.75	3,661.50	17.59	18.10	-93.98	581.61	492.73	663.25	628.11	35.14	18.875		
3,900.00	3,869.03	3,832.22	3,757.69	18.05	18.58	-93.94	596.63	507.50	680.67	644.60	36.06	18.875		
4,000.00	3,968.13	3,930.70	3,853.88	18.51	19.07	-93.90	611.65	522.26	698.08	661.10	36.99	18.874		
4,100.00	4,067.23	4,029.17	3,950.07	18.98	19.55	-93.87	626.66	537.03	715.50	677.59	37.91	18.873		
4,200.00	4,166.33	4,127.64	4,046.27	19.44	20.03	-93.84	641.68	551.80	732.92	694.09	38.84	18.872		
4,300.00	4,265.43	4,226.11	4,142.46	19.90	20.52	-93.81	656.70	566.56	750.34	710.58	39.76	18.870		
4,400.00	4,364.53	4,324.58	4,238.65	20.36	21.00	-93.78	671.71	581.33	767.76	727.07	40.69	18.868		
4,500.00	4,463.63	4,423.05	4,334.84	20.82	21.49	-93.75	686.73	596.10	785.19	743.57	41.62	18.866		
4,600.00	4,562.73	4,521.52	4,431.03	21.28	21.97	-93.72	701.75	610.87	802.61	760.06	42.55	18.864		
4,700.00	4,661.83	4,619.99	4,527.22	21.75	22.46	-93.69	716.76	625.63	820.03	776.55	43.48	18.861		
4,800.00	4,760.93	4,718.46	4,623.42	22.21	22.94	-93.67	731.78	640.40	837.45	793.04	44.41	18.859		
4,900.00	4,860.04	4,816.93	4,719.61	22.67	23.43	-93.64	746.80	655.17	854.87	809.53	45.34	18.856		
5,000.00	4,959.14	4,915.40	4,815.80	23.13	23.92	-93.62	761.81	669.93	872.29	826.02	46.27	18.853		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,013.87	4,911.99	23.60	24.40	-93.60	776.83	684.70	889.71	842.51	47.20	18.851		
5,200.00	5,157.34	5,112.34	5,008.18	24.06	24.89	-93.58	791.85	699.47	907.13	859.00	48.13	18.848		
5,300.00	5,256.44	5,210.81	5,104.37	24.52	25.38	-93.56	806.86	714.24	924.55	875.49	49.06	18.845		
5,400.00	5,355.54	5,309.28	5,200.56	24.99	25.86	-93.54	821.88	729.00	941.98	891.98	49.99	18.842		
5,500.00	5,454.64	5,407.75	5,296.76	25.45	26.35	-93.52	836.90	743.77	959.40	908.47	50.93	18.839		
5,600.00	5,553.74	5,506.22	5,392.95	25.92	26.84	-93.50	851.91	758.54	976.82	924.96	51.86	18.836		
5,700.00	5,652.84	5,604.69	5,489.14	26.38	27.32	-93.48	866.93	773.30	994.24	941.45	52.79	18.833		
5,800.00	5,751.94	5,703.16	5,585.33	26.84	27.81	-93.47	881.95	788.07	1,011.66	957.94	53.73	18.830		
5,900.00	5,851.04	5,801.63	5,681.52	27.31	28.30	-93.45	896.96	802.84	1,029.09	974.43	54.66	18.827		
6,000.00	5,950.14	5,900.10	5,777.71	27.77	28.79	-93.43	911.98	817.61	1,046.51	990.92	55.59	18.824		
6,100.00	6,049.24	6,001.43	5,873.91	28.24	29.29	-93.42	927.00	832.37	1,063.93	1,007.39	56.54	18.817		
6,200.00	6,148.34	6,097.04	5,970.10	28.70	29.76	-93.40	942.01	847.14	1,081.35	1,023.89	57.46	18.818		
6,304.69	6,252.09	6,200.13	6,070.80	29.19	30.27	-93.39	957.73	862.60	1,099.59	1,041.15	58.44	18.815		
6,350.00	6,297.17	6,244.66	6,114.31	29.39	30.49	-106.10	964.53	869.28	1,107.70	1,048.84	58.86	18.820		
6,400.00	6,347.13	6,306.56	6,161.95	29.59	30.80	151.88	971.97	876.59	1,117.12	1,057.76	59.35	18.822		
6,450.00	6,397.02	6,341.54	6,208.94	29.78	30.97	111.28	979.30	883.81	1,127.03	1,067.33	59.70	18.880		
6,500.00	6,446.53	6,388.66	6,254.97	29.96	31.21	104.37	986.49	890.87	1,137.47	1,077.37	60.09	18.928		
6,550.00	6,495.35	6,434.52	6,299.77	30.14	31.43	101.58	993.48	897.75	1,148.49	1,088.01	60.49	18.988		
6,600.00	6,543.19	6,478.83	6,343.05	30.33	31.65	100.07	1,000.24	904.39	1,160.19	1,099.32	60.87	19.061		
6,650.00	6,589.76	6,521.31	6,384.55	30.52	31.87	99.12	1,006.72	910.77	1,172.66	1,111.42	61.24	19.148		
6,700.00	6,634.75	6,579.38	6,441.48	30.71	32.14	98.87	1,015.54	917.91	1,185.80	1,124.04	61.77	19.199		
6,750.00	6,677.90	6,650.63	6,511.88	30.91	32.45	99.03	1,026.18	919.63	1,198.95	1,136.58	62.37	19.223		
6,800.00	6,718.94	6,729.07	6,589.10	31.13	32.75	99.34	1,037.50	912.32	1,211.82	1,148.86	62.96	19.247		
6,850.00	6,757.62	6,815.77	6,672.76	31.36	33.06	99.74	1,049.33	893.17	1,224.13	1,160.60	63.53	19.269		
6,900.00	6,793.70	6,900.00	6,743.38	31.61	33.36	99.82	1,058.92	866.82	1,235.52	1,171.48	64.04	19.292		
6,950.00	6,826.95	7,016.90	6,851.67	31.88	33.79	100.51	1,072.86	806.27	1,245.62	1,181.07	64.55	19.297		
7,000.00	6,857.18	7,130.87	6,938.42	32.19	34.27	100.68	1,083.09	733.29	1,254.04	1,188.95	65.09	19.267		
7,050.00	6,884.18	7,251.35	7,014.67	32.52	34.90	100.56	1,090.98	640.57	1,260.42	1,194.62	65.80	19.154		
7,100.00	6,907.81	7,374.76	7,073.54	32.90	35.74	100.08	1,095.66	532.43	1,264.55	1,197.66	66.88	18.907		
7,150.00	6,927.91	7,496.78	7,110.45	33.32	36.80	99.23	1,096.74	416.33	1,266.37	1,197.98	68.39	18.517		
7,200.00	6,944.36	7,613.43	7,124.70	33.77	38.03	98.10	1,094.44	300.74	1,266.03	1,195.77	70.26	18.019		
7,250.00	6,957.05	7,676.70	7,124.68	34.27	38.77	97.46	1,092.01	237.52	1,264.48	1,192.81	71.67	17.642		
7,300.00	6,965.92	7,725.82	7,124.25	34.80	39.40	97.13	1,090.06	188.45	1,263.37	1,190.42	72.94	17.320		
7,350.00	6,970.89	7,775.51	7,123.81	35.37	40.07	96.94	1,088.08	138.80	1,262.68	1,188.44	74.24	17.007		
7,396.89	6,972.00	7,822.37	7,123.40	35.93	40.73	96.89	1,086.22	91.98	1,262.39	1,186.90	75.49	16.723		
7,400.00	6,971.96	7,825.47	7,123.37	35.97	40.78	96.89	1,086.10	88.87	1,262.38	1,186.81	75.57	16.704		
7,500.00	6,970.65	7,925.47	7,122.50	37.28	42.32	96.91	1,082.12	-11.04	1,262.11	1,183.68	78.43	16.092		
7,600.00	6,969.33	8,025.47	7,121.62	38.76	43.99	96.93	1,078.15	-110.96	1,261.84	1,180.26	81.57	15.469		
7,700.00	6,968.02	8,125.47	7,120.74	40.39	45.77	96.96	1,074.18	-210.87	1,261.56	1,176.58	84.98	14.845		
7,800.00	6,966.70	8,225.47	7,119.87	42.15	47.67	96.98	1,070.20	-310.79	1,261.29	1,172.68	88.61	14.234		
7,900.00	6,965.39	8,325.47	7,118.99	44.02	49.65	97.00	1,066.23	-410.70	1,261.02	1,168.57	92.45	13.640		
8,000.00	6,964.07	8,425.46	7,118.11	45.99	51.72	97.02	1,062.26	-510.62	1,260.75	1,164.28	96.46	13.070		
8,100.00	6,962.76	8,525.46	7,117.23	48.05	53.85	97.04	1,058.28	-610.54	1,260.47	1,159.84	100.64	12.525		
8,200.00	6,961.45	8,625.46	7,116.36	50.19	56.05	97.06	1,054.31	-710.45	1,260.20	1,155.26	104.94	12.008		
8,300.00	6,960.13	8,725.46	7,115.48	52.39	58.31	97.09	1,050.34	-810.37	1,259.93	1,150.56	109.37	11.520		
8,400.00	6,958.82	8,825.46	7,114.60	54.65	60.61	97.11	1,046.36	-910.28	1,259.66	1,145.75	113.91	11.058		
8,500.00	6,957.50	8,925.46	7,113.72	56.97	62.96	97.13	1,042.39	-1,010.20	1,259.39	1,140.85	118.54	10.624		
8,600.00	6,956.19	9,025.46	7,112.85	59.33	65.35	97.15	1,038.42	-1,110.11	1,259.11	1,135.86	123.25	10.216		
8,700.00	6,954.87	9,125.45	7,111.97	61.73	67.77	97.17	1,034.44	-1,210.03	1,258.84	1,130.80	128.04	9.831		
8,800.00	6,953.56	9,225.45	7,111.09	64.16	70.23	97.19	1,030.47	-1,309.95	1,258.57	1,125.67	132.90	9.470		
8,900.00	6,952.24	9,325.45	7,110.21	66.63	72.71	97.21	1,026.50	-1,409.86	1,258.30	1,120.49	137.81	9.131		
9,000.00	6,950.93	9,425.45	7,109.34	69.13	75.22	97.24	1,022.53	-1,509.78	1,258.03	1,115.25	142.78	8.811		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	9,525.45	7,108.46	71.65	77.75	97.26	1,018.55	-1,609.69	1,257.76	1,109.97	147.79	8.510		
9,200.00	6,948.30	9,625.45	7,107.58	74.20	80.30	97.28	1,014.58	-1,709.61	1,257.49	1,104.64	152.85	8.227		
9,300.00	6,946.98	9,725.44	7,106.70	76.77	82.88	97.30	1,010.61	-1,809.52	1,257.22	1,099.27	157.95	7.960		
9,400.00	6,945.67	9,825.44	7,105.83	79.35	85.46	97.32	1,006.63	-1,909.44	1,256.95	1,093.87	163.08	7.708		
9,500.00	6,944.35	9,925.44	7,104.95	81.95	88.07	97.34	1,002.66	-2,009.36	1,256.68	1,088.44	168.24	7.469		
9,600.00	6,943.04	10,025.44	7,104.07	84.57	90.68	97.37	998.69	-2,109.27	1,256.41	1,082.98	173.43	7.244		
9,700.00	6,941.73	10,125.44	7,103.20	87.21	93.32	97.39	994.71	-2,209.19	1,256.14	1,077.49	178.65	7.031		
9,800.00	6,940.41	10,225.44	7,102.32	89.85	95.96	97.41	990.74	-2,309.10	1,255.87	1,071.98	183.89	6.829		
9,900.00	6,939.10	10,325.44	7,101.44	92.51	98.61	97.43	986.77	-2,409.02	1,255.60	1,066.45	189.16	6.638		
10,000.00	6,937.78	10,425.43	7,100.56	95.17	101.28	97.45	982.79	-2,508.93	1,255.33	1,060.89	194.44	6.456		
10,100.00	6,936.47	10,525.43	7,099.69	97.85	103.95	97.48	978.82	-2,608.85	1,255.07	1,055.32	199.74	6.283		
10,200.00	6,935.15	10,625.43	7,098.81	100.54	106.63	97.50	974.85	-2,708.77	1,254.80	1,049.74	205.06	6.119		
10,300.00	6,933.84	10,725.43	7,097.93	103.23	109.32	97.52	970.87	-2,808.68	1,254.53	1,044.13	210.39	5.963		
10,400.00	6,932.52	10,825.43	7,097.05	105.93	112.02	97.54	966.90	-2,908.60	1,254.26	1,038.52	215.74	5.814		
10,500.00	6,931.21	10,925.43	7,096.18	108.64	114.72	97.56	962.93	-3,008.51	1,253.99	1,032.89	221.10	5.671		
10,600.00	6,929.89	11,025.43	7,095.30	111.36	117.44	97.58	958.95	-3,108.43	1,253.72	1,027.25	226.48	5.536		
10,700.00	6,928.58	11,125.42	7,094.42	114.08	120.15	97.61	954.98	-3,208.34	1,253.46	1,021.59	231.86	5.406		
10,800.00	6,927.26	11,225.42	7,093.54	116.81	122.87	97.63	951.01	-3,308.26	1,253.19	1,015.93	237.26	5.282		
10,900.00	6,925.95	11,325.42	7,092.67	119.54	125.60	97.65	947.03	-3,408.18	1,252.92	1,010.26	242.67	5.163		
11,000.00	6,924.64	11,425.42	7,091.79	122.28	128.34	97.67	943.06	-3,508.09	1,252.66	1,004.57	248.08	5.049		
11,100.00	6,923.32	11,525.42	7,090.91	125.02	131.07	97.69	939.09	-3,608.01	1,252.39	998.88	253.51	4.940		
11,200.00	6,922.01	11,625.42	7,090.03	127.77	133.81	97.71	935.12	-3,707.92	1,252.12	993.18	258.94	4.836		
11,300.00	6,920.69	11,725.42	7,089.16	130.52	136.56	97.74	931.14	-3,807.84	1,251.86	987.48	264.38	4.735		
11,400.00	6,919.38	11,825.41	7,088.28	133.28	139.31	97.76	927.17	-3,907.75	1,251.59	981.77	269.82	4.639		
11,500.00	6,918.06	11,925.41	7,087.40	136.04	142.06	97.78	923.20	-4,007.67	1,251.32	976.05	275.28	4.546		
11,600.00	6,916.75	12,025.41	7,086.52	138.80	144.82	97.80	919.22	-4,107.59	1,251.06	970.32	280.74	4.456		
11,700.00	6,915.43	12,125.41	7,085.65	141.56	147.58	97.82	915.25	-4,207.50	1,250.79	964.59	286.20	4.370		
11,800.00	6,914.12	12,225.41	7,084.77	144.33	150.34	97.85	911.28	-4,307.42	1,250.53	958.86	291.67	4.287		
11,900.00	6,912.80	12,325.41	7,083.89	147.10	153.11	97.87	907.30	-4,407.33	1,250.26	953.12	297.14	4.208		
12,000.00	6,911.49	12,425.40	7,083.02	149.88	155.87	97.89	903.33	-4,507.25	1,249.99	947.37	302.62	4.131		
12,100.00	6,910.17	12,525.40	7,082.14	152.65	158.65	97.91	899.36	-4,607.16	1,249.73	941.62	308.11	4.056		
12,200.00	6,908.86	12,625.40	7,081.26	155.43	161.42	97.93	895.38	-4,707.08	1,249.46	935.87	313.60	3.984		
12,300.00	6,907.54	12,725.40	7,080.38	158.21	164.19	97.96	891.41	-4,807.00	1,249.20	930.11	319.09	3.915		
12,400.00	6,906.23	12,825.40	7,079.51	160.99	166.97	97.98	887.44	-4,906.91	1,248.94	924.35	324.58	3.848		
12,500.00	6,904.92	12,925.40	7,078.63	163.78	169.75	98.00	883.46	-5,006.83	1,248.67	918.59	330.08	3.783		
12,600.00	6,903.60	13,025.40	7,077.75	166.57	172.53	98.02	879.49	-5,106.74	1,248.41	912.82	335.58	3.720		
12,700.00	6,902.29	13,125.39	7,076.87	169.35	175.32	98.04	875.52	-5,206.66	1,248.14	907.05	341.09	3.659		
12,800.00	6,900.97	13,225.39	7,076.00	172.14	178.10	98.07	871.54	-5,306.57	1,247.88	901.28	346.60	3.600		
12,900.00	6,899.66	13,325.39	7,075.12	174.94	180.89	98.09	867.57	-5,406.49	1,247.62	895.51	352.11	3.543		
13,000.00	6,898.34	13,425.39	7,074.24	177.73	183.68	98.11	863.60	-5,506.40	1,247.35	889.73	357.62	3.488		
13,100.00	6,897.03	13,525.39	7,073.36	180.53	186.47	98.13	859.63	-5,606.32	1,247.09	883.95	363.14	3.434		
13,200.00	6,895.71	13,625.39	7,072.49	183.32	189.26	98.15	855.65	-5,706.24	1,246.83	878.17	368.66	3.382		
13,300.00	6,894.40	13,725.39	7,071.61	186.12	192.05	98.18	851.68	-5,806.15	1,246.56	872.39	374.18	3.331		
13,400.00	6,893.08	13,825.38	7,070.73	188.92	194.85	98.20	847.71	-5,906.07	1,246.30	866.60	379.70	3.282		
13,500.00	6,891.77	13,925.38	7,069.85	191.72	197.64	98.22	843.73	-6,005.98	1,246.04	860.81	385.22	3.235		
13,600.00	6,890.45	14,025.38	7,068.98	194.52	200.44	98.24	839.76	-6,105.90	1,245.78	855.03	390.75	3.188		
13,700.00	6,889.14	14,125.38	7,068.10	197.32	203.24	98.26	835.79	-6,205.81	1,245.51	849.24	396.28	3.143		
13,800.00	6,887.82	14,225.38	7,067.22	200.13	206.04	98.29	831.81	-6,305.73	1,245.25	843.44	401.81	3.099		
13,900.00	6,886.51	14,325.38	7,066.35	202.93	208.84	98.31	827.84	-6,405.65	1,244.99	837.65	407.34	3.056		
14,000.00	6,885.20	14,425.37	7,065.47	205.74	211.64	98.33	823.87	-6,505.56	1,244.73	831.86	412.87	3.015		
14,100.00	6,883.88	14,525.37	7,064.59	208.55	214.44	98.35	819.89	-6,605.48	1,244.47	826.06	418.40	2.974		
14,200.00	6,882.57	14,625.37	7,063.71	211.35	217.25	98.37	815.92	-6,705.39	1,244.21	820.27	423.94	2.935		

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 13N-6B-M
<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 13N-6B-M	<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	6,881.25	14,725.37	7,062.84	214.16	220.05	98.40	811.95	-6,805.31	1,243.95	814.47	429.48	2.896		
14,400.00	6,879.94	14,825.37	7,061.96	216.97	222.86	98.42	807.97	-6,905.22	1,243.68	808.67	435.01	2.859		
14,500.00	6,878.62	14,925.37	7,061.08	219.78	225.67	98.44	804.00	-7,005.14	1,243.42	802.87	440.55	2.822		
14,600.00	6,877.31	15,025.37	7,060.20	222.59	228.47	98.46	800.03	-7,105.06	1,243.16	797.07	446.09	2.787		
14,700.00	6,875.99	15,125.36	7,059.33	225.41	231.28	98.49	796.05	-7,204.97	1,242.90	791.27	451.63	2.752		
14,800.00	6,874.68	15,225.36	7,058.45	228.22	234.09	98.51	792.08	-7,304.89	1,242.64	785.47	457.17	2.718		
14,900.00	6,873.36	15,325.36	7,057.57	231.03	236.90	98.53	788.11	-7,404.80	1,242.38	779.67	462.71	2.685		
15,000.00	6,872.05	15,425.36	7,056.69	233.85	239.71	98.55	784.14	-7,504.72	1,242.12	773.87	468.26	2.653		
15,100.00	6,870.73	15,525.36	7,055.82	236.66	242.52	98.57	780.16	-7,604.63	1,241.86	768.07	473.80	2.621		
15,200.00	6,869.42	15,625.36	7,054.94	239.48	245.33	98.60	776.19	-7,704.55	1,241.60	762.26	479.34	2.590		
15,300.00	6,868.11	15,725.36	7,054.06	242.29	248.15	98.62	772.22	-7,804.47	1,241.35	756.46	484.89	2.560		
15,400.00	6,866.79	15,825.35	7,053.18	245.11	250.96	98.64	768.24	-7,904.38	1,241.09	750.66	490.43	2.531		
15,425.62	6,866.45	15,850.97	7,052.96	245.83	251.68	98.65	767.22	-7,929.98	1,241.02	749.17	491.85	2.523		
15,460.11	6,866.00	15,846.35	7,053.00	246.80	251.55	98.65	767.41	-7,925.36	1,241.55	749.10	492.45	2.521		
15,460.74	6,865.99	15,846.35	7,053.00	246.82	251.55	98.65	767.41	-7,925.36	1,241.57	749.11	492.46	2.521 SF		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	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		
300.00	299.98	299.98	299.98	3.44	3.44	-94.32	104.55	10.30	105.18	98.29	6.89	15.272 ES		
400.00	399.84	396.66	396.64	3.60	3.60	-96.60	105.96	11.12	107.19	99.99	7.20	14.886		
500.00	499.45	493.09	492.94	3.80	3.79	-99.59	110.18	13.57	112.84	105.23	7.61	14.823		
584.50	583.35	574.38	573.96	4.01	3.99	-102.37	115.89	16.91	120.59	112.57	8.02	15.032		
600.00	598.71	589.32	588.83	4.05	4.03	-102.89	117.14	17.68	122.29	114.19	8.10	15.092		
700.00	697.81	685.61	684.46	4.33	4.29	-105.32	126.50	23.93	134.67	126.01	8.65	15.561		
800.00	796.91	781.55	779.31	4.64	4.58	-106.34	138.12	32.37	149.27	140.02	9.26	16.125		
900.00	896.01	876.92	873.08	4.98	4.89	-106.29	151.92	42.95	165.94	156.03	9.91	16.752		
1,000.00	995.11	971.53	965.47	5.34	5.23	-105.47	167.82	55.59	184.63	174.04	10.59	17.438		
1,100.00	1,094.21	1,066.34	1,057.39	5.71	5.59	-104.13	185.85	70.30	205.35	194.04	11.30	18.169		
1,200.00	1,193.31	1,163.92	1,151.77	6.10	5.98	-102.83	204.99	86.01	226.72	214.66	12.05	18.811		
1,300.00	1,292.41	1,261.49	1,246.15	6.49	6.39	-101.76	224.13	101.72	248.18	235.35	12.83	19.346		
1,400.00	1,391.51	1,359.06	1,340.53	6.90	6.81	-100.86	243.27	117.42	269.71	256.08	13.63	19.794		
1,500.00	1,490.61	1,456.64	1,434.90	7.31	7.25	-100.10	262.41	133.13	291.30	276.85	14.44	20.171		
1,600.00	1,589.71	1,554.21	1,529.28	7.73	7.69	-99.44	281.56	148.83	312.92	297.65	15.27	20.491		
1,700.00	1,688.81	1,651.79	1,623.66	8.16	8.15	-98.86	300.70	164.54	334.59	318.47	16.11	20.764		
1,800.00	1,787.92	1,749.36	1,718.04	8.59	8.60	-98.35	319.84	180.25	356.28	339.31	16.97	20.997		
1,900.00	1,887.02	1,846.93	1,812.42	9.02	9.07	-97.91	338.98	195.95	378.00	360.16	17.83	21.198		
2,000.00	1,986.12	1,944.51	1,906.80	9.46	9.54	-97.51	358.12	211.66	399.73	381.03	18.70	21.373		
2,100.00	2,085.22	2,042.08	2,001.18	9.90	10.01	-97.15	377.26	227.36	421.48	401.90	19.58	21.525		
2,200.00	2,184.32	2,139.65	2,095.56	10.34	10.49	-96.83	396.40	243.07	443.25	422.78	20.47	21.658		
2,300.00	2,283.42	2,237.23	2,189.94	10.78	10.97	-96.53	415.54	258.78	465.02	443.67	21.36	21.776		
2,400.00	2,382.52	2,334.80	2,284.32	11.23	11.45	-96.27	434.69	274.48	486.81	464.56	22.25	21.879		
2,500.00	2,481.62	2,432.37	2,378.70	11.68	11.93	-96.02	453.83	290.19	508.61	485.46	23.15	21.972		
2,600.00	2,580.72	2,529.95	2,473.08	12.13	12.42	-95.80	472.97	305.89	530.42	506.36	24.05	22.054		
2,700.00	2,679.82	2,627.52	2,567.46	12.58	12.91	-95.59	492.11	321.60	552.23	527.27	24.96	22.127		
2,800.00	2,778.92	2,725.10	2,661.84	13.03	13.40	-95.40	511.25	337.31	574.05	548.18	25.87	22.194		
2,900.00	2,878.02	2,822.67	2,756.22	13.48	13.89	-95.23	530.39	353.01	595.87	569.09	26.78	22.253		
3,000.00	2,977.12	2,920.24	2,850.60	13.94	14.38	-95.06	549.53	368.72	617.70	590.01	27.69	22.307		
3,100.00	3,076.22	3,017.82	2,944.98	14.39	14.88	-94.91	568.67	384.42	639.53	610.93	28.61	22.356		
3,200.00	3,175.32	3,115.39	3,039.36	14.85	15.37	-94.77	587.81	400.13	661.37	631.85	29.52	22.401		
3,300.00	3,274.43	3,212.96	3,133.74	15.30	15.87	-94.64	606.96	415.83	683.21	652.77	30.44	22.441		
3,400.00	3,373.53	3,310.54	3,228.12	15.76	16.37	-94.51	626.10	431.54	705.06	673.69	31.37	22.479		
3,500.00	3,472.63	3,408.11	3,322.50	16.22	16.86	-94.39	645.24	447.25	726.91	694.62	32.29	22.513		
3,600.00	3,571.73	3,505.68	3,416.88	16.68	17.36	-94.28	664.38	462.95	748.76	715.54	33.21	22.544		
3,700.00	3,670.83	3,603.26	3,511.26	17.14	17.86	-94.18	683.52	478.66	770.61	736.47	34.14	22.573		
3,800.00	3,769.93	3,700.83	3,605.64	17.59	18.36	-94.08	702.66	494.36	792.46	757.40	35.07	22.600		
3,900.00	3,869.03	3,798.41	3,700.02	18.05	18.86	-93.99	721.80	510.07	814.32	778.33	35.99	22.624		
4,000.00	3,968.13	3,904.02	3,794.40	18.51	19.40	-93.90	740.94	525.78	836.18	799.22	36.96	22.623		
4,100.00	4,067.23	4,006.45	3,888.78	18.98	19.93	-93.81	760.09	541.48	858.04	820.13	37.92	22.630		
4,200.00	4,166.33	4,108.87	3,983.16	19.44	20.45	-93.73	779.23	557.19	879.91	841.04	38.87	22.637		
4,300.00	4,265.43	4,188.70	4,077.54	19.90	20.87	-93.66	798.37	572.89	901.77	862.06	39.71	22.706		
4,400.00	4,364.53	4,286.27	4,171.92	20.36	21.37	-93.58	817.51	588.60	923.64	882.99	40.65	22.724		
4,500.00	4,463.63	4,383.85	4,266.30	20.82	21.87	-93.52	836.65	604.31	945.50	903.92	41.58	22.740		
4,600.00	4,562.73	4,481.42	4,360.68	21.28	22.37	-93.45	855.79	620.01	967.37	924.86	42.51	22.755		
4,700.00	4,661.83	4,578.99	4,455.06	21.75	22.88	-93.39	874.93	635.72	989.24	945.79	43.45	22.769		
4,800.00	4,760.93	4,676.57	4,549.44	22.21	23.38	-93.33	894.07	651.42	1,011.11	966.73	44.38	22.782		
4,900.00	4,860.04	4,774.14	4,643.82	22.67	23.88	-93.27	913.21	667.13	1,032.98	987.67	45.32	22.794		
5,000.00	4,959.14	4,871.72	4,738.20	23.13	24.39	-93.21	932.36	682.84	1,054.86	1,008.60	46.25	22.806		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,969.29	4,832.58	23.60	24.89	-93.16	951.50	698.54	1,076.73	1,029.54	47.19	22.817		
5,200.00	5,157.34	5,066.86	4,926.96	24.06	25.40	-93.11	970.64	714.25	1,098.61	1,050.48	48.13	22.827		
5,300.00	5,256.44	5,164.44	5,021.34	24.52	25.90	-93.06	989.78	729.95	1,120.48	1,071.42	49.06	22.837		
5,400.00	5,355.54	5,262.01	5,115.72	24.99	26.41	-93.01	1,008.92	745.66	1,142.36	1,092.35	50.00	22.846		
5,500.00	5,454.64	5,359.58	5,210.10	25.45	26.91	-92.97	1,028.06	761.37	1,164.23	1,113.29	50.94	22.855		
5,600.00	5,553.74	5,457.16	5,304.48	25.92	27.42	-92.92	1,047.20	777.07	1,186.11	1,134.23	51.88	22.863		
5,700.00	5,652.84	5,554.73	5,398.86	26.38	27.92	-92.88	1,066.34	792.78	1,207.99	1,155.17	52.82	22.871		
5,800.00	5,751.94	5,652.30	5,493.24	26.84	28.43	-92.84	1,085.49	808.48	1,229.87	1,176.11	53.76	22.878		
5,900.00	5,851.04	5,749.88	5,587.62	27.31	28.94	-92.80	1,104.63	824.19	1,251.75	1,197.05	54.70	22.885		
6,000.00	5,950.14	5,847.45	5,682.00	27.77	29.44	-92.76	1,123.77	839.90	1,273.63	1,217.99	55.64	22.892		
6,100.00	6,049.24	5,945.03	5,776.38	28.24	29.95	-92.73	1,142.91	855.60	1,295.51	1,238.93	56.58	22.898		
6,200.00	6,148.34	6,042.60	5,870.76	28.70	30.45	-92.69	1,162.05	871.31	1,317.39	1,259.87	57.52	22.904		
6,304.69	6,252.09	6,144.75	5,969.56	29.19	30.98	-92.66	1,182.09	887.75	1,340.29	1,281.79	58.50	22.910		
6,350.00	6,297.17	6,188.86	6,012.23	29.39	31.21	-105.57	1,190.74	894.85	1,350.44	1,291.52	58.92	22.920		
6,400.00	6,347.13	6,237.11	6,058.90	29.59	31.46	-152.16	1,200.21	902.62	1,362.13	1,302.78	59.35	22.950		
6,450.00	6,397.02	6,284.64	6,104.87	29.78	31.71	-111.26	1,209.53	910.27	1,374.32	1,314.56	59.76	22.997		
6,500.00	6,446.53	6,331.15	6,149.86	29.96	31.95	-104.03	1,218.65	917.75	1,387.02	1,326.86	60.16	23.056		
6,550.00	6,495.35	6,376.35	6,193.58	30.14	32.19	-100.89	1,227.52	925.03	1,400.25	1,339.70	60.55	23.126		
6,600.00	6,543.19	6,433.70	6,249.20	30.33	32.48	-99.25	1,238.76	933.26	1,413.94	1,352.88	61.06	23.157		
6,650.00	6,589.76	6,507.51	6,321.50	30.52	32.82	-98.35	1,253.04	936.75	1,427.45	1,365.75	61.70	23.135		
6,700.00	6,634.75	6,586.88	6,399.19	30.71	33.13	-97.71	1,267.96	930.97	1,440.49	1,378.15	62.34	23.108		
6,750.00	6,677.90	6,672.12	6,481.22	30.91	33.43	-97.21	1,283.23	913.88	1,452.83	1,389.86	62.97	23.072		
6,800.00	6,718.94	6,763.21	6,565.66	31.13	33.73	-96.75	1,298.39	883.50	1,464.26	1,400.66	63.59	23.025		
6,850.00	6,757.62	6,859.70	6,649.60	31.36	34.05	-96.26	1,312.78	838.34	1,474.54	1,410.32	64.22	22.959		
6,900.00	6,793.70	6,900.00	6,715.18	31.61	34.19	-95.61	1,323.44	789.80	1,483.47	1,418.84	64.63	22.954		
6,950.00	6,826.95	7,064.03	6,800.28	31.88	34.86	-94.97	1,336.24	703.66	1,490.89	1,425.21	65.68	22.698		
7,000.00	6,857.18	7,168.15	6,858.99	32.19	35.41	-94.12	1,343.92	618.15	1,496.71	1,430.06	66.65	22.456		
7,050.00	6,884.18	7,270.70	6,902.76	32.52	36.11	-93.13	1,348.36	525.64	1,500.91	1,433.07	67.84	22.124		
7,100.00	6,907.81	7,369.73	6,930.72	32.90	36.96	-92.04	1,349.61	430.76	1,503.56	1,434.32	69.25	21.714		
7,150.00	6,927.91	7,463.79	6,943.64	33.32	37.91	-90.89	1,347.99	337.69	1,504.79	1,433.99	70.80	21.254		
7,200.00	6,944.36	7,533.97	6,944.80	33.77	38.71	-89.99	1,345.11	267.61	1,504.87	1,432.67	72.20	20.844		
7,250.00	6,957.05	7,582.20	6,944.36	34.27	39.29	-89.48	1,342.88	219.43	1,504.80	1,431.43	73.36	20.511		
7,300.00	6,965.92	7,631.31	6,943.91	34.80	39.94	-89.13	1,340.61	170.37	1,504.67	1,430.06	74.61	20.167		
7,350.00	6,970.89	7,681.00	6,943.46	35.37	40.63	-88.93	1,338.32	120.74	1,504.42	1,428.51	75.91	19.818		
7,396.89	6,972.00	7,727.85	6,943.03	35.93	41.32	-88.90	1,336.15	73.93	1,504.04	1,426.85	77.19	19.485		
7,400.00	6,971.96	7,730.96	6,943.00	35.97	41.37	-88.90	1,336.01	70.83	1,504.01	1,426.74	77.27	19.463		
7,500.00	6,970.65	7,830.95	6,942.09	37.28	42.95	-88.92	1,331.39	-29.05	1,503.03	1,422.82	80.21	18.739		
7,600.00	6,969.33	7,930.95	6,941.18	38.76	44.67	-88.93	1,326.78	-128.94	1,502.05	1,418.62	83.43	18.005		
7,700.00	6,968.02	8,030.94	6,940.26	40.39	46.49	-88.95	1,322.16	-228.82	1,501.07	1,414.17	86.90	17.274		
7,800.00	6,966.70	8,130.94	6,939.35	42.15	48.42	-88.96	1,317.54	-328.70	1,500.09	1,409.49	90.60	16.558		
7,900.00	6,965.39	8,230.93	6,938.44	44.02	50.43	-88.98	1,312.93	-428.59	1,499.11	1,404.62	94.49	15.865		
8,000.00	6,964.07	8,330.93	6,937.53	45.99	52.53	-88.99	1,308.31	-528.47	1,498.13	1,399.57	98.56	15.200		
8,100.00	6,962.76	8,430.92	6,936.62	48.05	54.69	-89.01	1,303.69	-628.36	1,497.15	1,394.36	102.79	14.565		
8,200.00	6,961.45	8,530.92	6,935.71	50.19	56.91	-89.02	1,299.07	-728.24	1,496.17	1,389.02	107.15	13.964		
8,300.00	6,960.13	8,630.91	6,934.79	52.39	59.18	-89.04	1,294.46	-828.12	1,495.19	1,383.56	111.63	13.394		
8,400.00	6,958.82	8,730.90	6,933.88	54.65	61.51	-89.05	1,289.84	-928.01	1,494.21	1,378.00	116.21	12.857		
8,500.00	6,957.50	8,830.90	6,932.97	56.97	63.87	-89.07	1,285.22	-1,027.89	1,493.23	1,372.34	120.89	12.352		
8,600.00	6,956.19	8,930.89	6,932.06	59.33	66.27	-89.08	1,280.61	-1,127.77	1,492.25	1,366.60	125.65	11.876		
8,700.00	6,954.87	9,030.89	6,931.15	61.73	68.71	-89.10	1,275.99	-1,227.66	1,491.28	1,360.79	130.49	11.428		
8,800.00	6,953.56	9,130.88	6,930.24	64.16	71.17	-89.11	1,271.37	-1,327.54	1,490.30	1,354.90	135.39	11.007		
8,900.00	6,952.24	9,230.88	6,929.33	66.63	73.66	-89.13	1,266.76	-1,427.43	1,489.32	1,348.97	140.35	10.611		
9,000.00	6,950.93	9,330.87	6,928.41	69.13	76.18	-89.14	1,262.14	-1,527.31	1,488.34	1,342.97	145.37	10.239		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	9,430.87	6,927.50	71.65	78.72	89.16	1,257.52	-1,627.19	1,487.36	1,336.93	150.43	9.888		
9,200.00	6,948.30	9,530.86	6,926.59	74.20	81.28	89.17	1,252.91	-1,727.08	1,486.38	1,330.85	155.53	9.557		
9,300.00	6,946.98	9,630.85	6,925.68	76.77	83.85	89.19	1,248.29	-1,826.96	1,485.40	1,324.73	160.67	9.245		
9,400.00	6,945.67	9,730.85	6,924.77	79.35	86.45	89.20	1,243.67	-1,926.84	1,484.42	1,318.57	165.85	8.950		
9,500.00	6,944.35	9,830.84	6,923.86	81.95	89.05	89.22	1,239.05	-2,026.73	1,483.45	1,312.39	171.06	8.672		
9,600.00	6,943.04	9,930.84	6,922.94	84.57	91.68	89.23	1,234.44	-2,126.61	1,482.47	1,306.17	176.30	8.409		
9,700.00	6,941.73	10,030.83	6,922.03	87.21	94.31	89.25	1,229.82	-2,226.49	1,481.49	1,299.93	181.56	8.160		
9,800.00	6,940.41	10,130.83	6,921.12	89.85	96.96	89.26	1,225.20	-2,326.38	1,480.51	1,293.66	186.85	7.923		
9,900.00	6,939.10	10,230.82	6,920.21	92.51	99.61	89.28	1,220.59	-2,426.26	1,479.53	1,287.37	192.16	7.699		
10,000.00	6,937.78	10,330.82	6,919.30	95.17	102.28	89.29	1,215.97	-2,526.15	1,478.56	1,281.06	197.50	7.486		
10,100.00	6,936.47	10,430.81	6,918.39	97.85	104.95	89.31	1,211.35	-2,626.03	1,477.58	1,274.73	202.85	7.284		
10,200.00	6,935.15	10,530.80	6,917.47	100.54	107.64	89.32	1,206.74	-2,725.91	1,476.60	1,268.39	208.22	7.092		
10,300.00	6,933.84	10,630.80	6,916.56	103.23	110.33	89.34	1,202.12	-2,825.80	1,475.62	1,262.02	213.60	6.908		
10,400.00	6,932.52	10,730.79	6,915.65	105.93	113.03	89.35	1,197.50	-2,925.68	1,474.65	1,255.65	219.00	6.734		
10,500.00	6,931.21	10,830.79	6,914.74	108.64	115.73	89.37	1,192.89	-3,025.56	1,473.67	1,249.26	224.41	6.567		
10,600.00	6,929.89	10,930.78	6,913.83	111.36	118.44	89.38	1,188.27	-3,125.45	1,472.69	1,242.85	229.84	6.407		
10,700.00	6,928.58	11,030.78	6,912.92	114.08	121.16	89.40	1,183.65	-3,225.33	1,471.71	1,236.44	235.28	6.255		
10,800.00	6,927.26	11,130.77	6,912.00	116.81	123.88	89.41	1,179.04	-3,325.21	1,470.74	1,230.01	240.73	6.110		
10,900.00	6,925.95	11,230.77	6,911.09	119.54	126.61	89.43	1,174.42	-3,425.10	1,469.76	1,223.57	246.19	5.970		
11,000.00	6,924.64	11,330.76	6,910.18	122.28	129.34	89.44	1,169.80	-3,524.98	1,468.78	1,217.13	251.66	5.836		
11,100.00	6,923.32	11,430.75	6,909.27	125.02	132.08	89.46	1,165.18	-3,624.87	1,467.81	1,210.67	257.13	5.708		
11,200.00	6,922.01	11,530.75	6,908.36	127.77	134.82	89.47	1,160.57	-3,724.75	1,466.83	1,204.21	262.62	5.585		
11,300.00	6,920.69	11,630.74	6,907.45	130.52	137.56	89.49	1,155.95	-3,824.63	1,465.85	1,197.74	268.12	5.467		
11,400.00	6,919.38	11,730.74	6,906.53	133.28	140.31	89.50	1,151.33	-3,924.52	1,464.88	1,191.26	273.62	5.354		
11,500.00	6,918.06	11,830.73	6,905.62	136.04	143.07	89.52	1,146.72	-4,024.40	1,463.90	1,184.77	279.13	5.245		
11,600.00	6,916.75	11,930.73	6,904.71	138.80	145.82	89.54	1,142.10	-4,124.28	1,462.93	1,178.28	284.64	5.139		
11,700.00	6,915.43	12,030.72	6,903.80	141.56	148.58	89.55	1,137.48	-4,224.17	1,461.95	1,171.78	290.17	5.038		
11,800.00	6,914.12	12,130.72	6,902.89	144.33	151.34	89.57	1,132.87	-4,324.05	1,460.97	1,165.28	295.70	4.941		
11,900.00	6,912.80	12,230.71	6,901.98	147.10	154.11	89.58	1,128.25	-4,423.93	1,460.00	1,158.77	301.23	4.847		
12,000.00	6,911.49	12,330.70	6,901.06	149.88	156.87	89.60	1,123.63	-4,523.82	1,459.02	1,152.25	306.77	4.756		
12,100.00	6,910.17	12,430.70	6,900.15	152.65	159.64	89.61	1,119.02	-4,623.70	1,458.05	1,145.73	312.31	4.669		
12,200.00	6,908.86	12,530.69	6,899.24	155.43	162.41	89.63	1,114.40	-4,723.59	1,457.07	1,139.21	317.86	4.584		
12,300.00	6,907.54	12,630.69	6,898.33	158.21	165.19	89.64	1,109.78	-4,823.47	1,456.10	1,132.68	323.42	4.502		
12,400.00	6,906.23	12,730.68	6,897.42	160.99	167.96	89.66	1,105.17	-4,923.35	1,455.12	1,126.15	328.97	4.423		
12,500.00	6,904.92	12,830.68	6,896.51	163.78	170.74	89.68	1,100.55	-5,023.24	1,454.15	1,119.61	334.54	4.347		
12,600.00	6,903.60	12,930.67	6,895.59	166.57	173.52	89.69	1,095.93	-5,123.12	1,453.17	1,113.07	340.10	4.273		
12,700.00	6,902.29	13,030.67	6,894.68	169.35	176.30	89.71	1,091.31	-5,223.00	1,452.20	1,106.53	345.67	4.201		
12,800.00	6,900.97	13,130.66	6,893.77	172.14	179.09	89.72	1,086.70	-5,322.89	1,451.22	1,099.98	351.24	4.132		
12,900.00	6,899.66	13,230.65	6,892.86	174.94	181.87	89.74	1,082.08	-5,422.77	1,450.25	1,093.43	356.82	4.064		
13,000.00	6,898.34	13,330.65	6,891.95	177.73	184.66	89.75	1,077.46	-5,522.65	1,449.27	1,086.87	362.40	3.999		
13,100.00	6,897.03	13,430.64	6,891.04	180.53	187.45	89.77	1,072.85	-5,622.54	1,448.30	1,080.32	367.98	3.936		
13,200.00	6,895.71	13,530.64	6,890.12	183.32	190.24	89.79	1,068.23	-5,722.42	1,447.32	1,073.76	373.57	3.874		
13,300.00	6,894.40	13,630.63	6,889.21	186.12	193.03	89.80	1,063.61	-5,822.31	1,446.35	1,067.19	379.16	3.815		
13,400.00	6,893.08	13,730.63	6,888.30	188.92	195.82	89.82	1,059.00	-5,922.19	1,445.38	1,060.63	384.75	3.757		
13,500.00	6,891.77	13,830.62	6,887.39	191.72	198.62	89.83	1,054.38	-6,022.07	1,444.40	1,054.06	390.34	3.700		
13,600.00	6,890.45	13,930.62	6,886.48	194.52	201.41	89.85	1,049.76	-6,121.96	1,443.43	1,047.49	395.94	3.646		
13,700.00	6,889.14	14,030.61	6,885.57	197.32	204.21	89.87	1,045.15	-6,221.84	1,442.45	1,040.92	401.53	3.592		
13,800.00	6,887.82	14,130.60	6,884.65	200.13	207.01	89.88	1,040.53	-6,321.72	1,441.48	1,034.35	407.13	3.541		
13,900.00	6,886.51	14,230.60	6,883.74	202.93	209.80	89.90	1,035.91	-6,421.61	1,440.51	1,027.77	412.74	3.490		
14,000.00	6,885.20	14,330.59	6,882.83	205.74	212.60	89.91	1,031.29	-6,521.49	1,439.53	1,021.19	418.34	3.441		
14,100.00	6,883.88	14,430.59	6,881.92	208.55	215.40	89.93	1,026.68	-6,621.38	1,438.56	1,014.61	423.95	3.393		
14,200.00	6,882.57	14,530.58	6,881.01	211.35	218.21	89.95	1,022.06	-6,721.26	1,437.59	1,008.03	429.55	3.347		

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 13N-6B-M
<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 13N-6B-M	<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	6,881.25	14,630.58	6,880.10	214.16	221.01	89.96	1,017.44	-6,821.14	1,436.61	1,001.45	435.16	3.301		
14,400.00	6,879.94	14,730.57	6,879.18	216.97	223.81	89.98	1,012.83	-6,921.03	1,435.64	994.86	440.78	3.257		
14,500.00	6,878.62	14,830.57	6,878.27	219.78	226.62	89.99	1,008.21	-7,020.91	1,434.67	988.28	446.39	3.214		
14,600.00	6,877.31	14,930.56	6,877.36	222.59	229.42	90.01	1,003.59	-7,120.79	1,433.69	981.69	452.00	3.172		
14,700.00	6,875.99	15,030.56	6,876.45	225.41	232.23	90.03	998.98	-7,220.68	1,432.72	975.10	457.62	3.131		
14,800.00	6,874.68	15,130.55	6,875.54	228.22	235.03	90.04	994.36	-7,320.56	1,431.75	968.51	463.24	3.091		
14,900.00	6,873.36	15,230.54	6,874.63	231.03	237.84	90.06	989.74	-7,420.44	1,430.78	961.92	468.86	3.052		
15,000.00	6,872.05	15,330.54	6,873.71	233.85	240.65	90.07	985.13	-7,520.33	1,429.80	955.33	474.48	3.013		
15,100.00	6,870.73	15,430.53	6,872.80	236.66	243.46	90.09	980.51	-7,620.21	1,428.83	948.73	480.10	2.976		
15,200.00	6,869.42	15,530.53	6,871.89	239.48	246.27	90.11	975.89	-7,720.10	1,427.86	942.14	485.72	2.940		
15,300.00	6,868.11	15,630.52	6,870.98	242.29	249.08	90.12	971.28	-7,819.98	1,426.89	935.54	491.35	2.904		
15,400.00	6,866.79	15,730.52	6,870.07	245.11	251.89	90.14	966.66	-7,919.86	1,425.92	928.94	496.97	2.869		
15,421.87	6,866.50	15,738.53	6,869.99	245.73	252.11	90.14	966.29	-7,927.86	1,425.77	927.96	497.82	2.864		
15,460.11	6,866.00	15,738.53	6,869.99	246.80	252.11	90.14	966.29	-7,927.86	1,426.28	927.63	498.66	2.860		
15,460.74	6,865.99	15,738.53	6,869.99	246.82	252.11	90.14	966.29	-7,927.86	1,426.30	927.63	498.67	2.860 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	5.75	74.68	7.52	75.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.75	74.68	7.52	75.06	68.49	6.57	11.426		
200.00	200.00	200.00	200.00	3.34	3.34	5.75	74.68	7.52	75.06	68.38	6.67	11.246 CC		
300.00	299.98	299.98	299.98	3.44	3.44	-94.58	74.68	7.52	75.18	68.29	6.89	10.916 ES		
400.00	399.84	398.01	398.00	3.60	3.60	-97.51	75.82	8.74	76.96	69.76	7.20	10.690		
500.00	499.45	495.94	495.79	3.80	3.80	-100.84	79.25	12.41	81.85	74.24	7.61	10.759		
584.50	583.35	578.51	578.07	4.01	4.00	-103.65	83.91	17.41	88.46	80.45	8.02	11.036		
600.00	598.71	593.63	593.12	4.05	4.03	-104.16	84.94	18.51	89.91	81.82	8.10	11.106		
700.00	697.81	691.09	689.88	4.33	4.30	-106.13	92.86	27.01	100.56	91.91	8.65	11.626		
800.00	796.91	788.20	785.84	4.64	4.60	-106.33	102.98	37.87	113.22	103.96	9.26	12.225		
900.00	896.01	884.73	880.68	4.98	4.92	-105.27	115.24	51.01	127.83	117.91	9.92	12.884		
1,000.00	995.11	982.92	976.72	5.34	5.27	-103.71	129.17	65.95	143.81	133.19	10.62	13.544		
1,100.00	1,094.21	1,081.56	1,073.19	5.71	5.64	-102.44	143.20	81.00	159.91	148.56	11.35	14.088		
1,200.00	1,193.31	1,180.20	1,169.66	6.10	6.03	-101.40	157.24	96.05	176.08	163.97	12.11	14.537		
1,300.00	1,292.41	1,278.84	1,266.13	6.49	6.44	-100.54	171.27	111.09	192.29	179.39	12.90	14.910		
1,400.00	1,391.51	1,377.47	1,362.59	6.90	6.85	-99.81	185.30	126.14	208.54	194.84	13.70	15.221		
1,500.00	1,490.61	1,476.11	1,459.06	7.31	7.28	-99.19	199.33	141.19	224.82	210.29	14.52	15.481		
1,600.00	1,589.71	1,574.75	1,555.53	7.73	7.71	-98.65	213.37	156.24	241.11	225.76	15.36	15.702		
1,700.00	1,688.81	1,673.39	1,652.00	8.16	8.15	-98.18	227.40	171.29	257.43	241.23	16.20	15.889		
1,800.00	1,787.92	1,772.03	1,748.47	8.59	8.60	-97.76	241.43	186.33	273.76	256.71	17.06	16.049		
1,900.00	1,887.02	1,870.67	1,844.94	9.02	9.05	-97.40	255.46	201.38	290.11	272.18	17.92	16.187		
2,000.00	1,986.12	1,969.31	1,941.41	9.46	9.50	-97.07	269.50	216.43	306.46	287.67	18.79	16.306		
2,100.00	2,085.22	2,067.95	2,037.88	9.90	9.96	-96.77	283.53	231.48	322.83	303.15	19.67	16.410		
2,200.00	2,184.32	2,166.59	2,134.35	10.34	10.42	-96.50	297.56	246.53	339.20	318.64	20.56	16.501		
2,300.00	2,283.42	2,265.23	2,230.82	10.78	10.88	-96.26	311.59	261.57	355.57	334.13	21.45	16.581		
2,400.00	2,382.52	2,363.87	2,327.29	11.23	11.35	-96.04	325.63	276.62	371.96	349.62	22.34	16.651		
2,500.00	2,481.62	2,462.50	2,423.76	11.68	11.81	-95.84	339.66	291.67	388.34	365.11	23.23	16.714		
2,600.00	2,580.72	2,561.14	2,520.23	12.13	12.28	-95.65	353.69	306.72	404.74	380.60	24.14	16.770		
2,700.00	2,679.82	2,659.78	2,616.70	12.58	12.75	-95.48	367.72	321.77	421.13	396.09	25.04	16.819		
2,800.00	2,778.92	2,758.42	2,713.16	13.03	13.22	-95.32	381.76	336.81	437.53	411.59	25.94	16.864		
2,900.00	2,878.02	2,857.06	2,809.63	13.48	13.70	-95.18	395.79	351.86	453.94	427.08	26.85	16.904		
3,000.00	2,977.12	2,955.70	2,906.10	13.94	14.17	-95.04	409.82	366.91	470.34	442.58	27.76	16.941		
3,100.00	3,076.22	3,054.34	3,002.57	14.39	14.65	-94.91	423.85	381.96	486.75	458.07	28.68	16.974		
3,200.00	3,175.32	3,152.98	3,099.04	14.85	15.12	-94.79	437.89	397.01	503.16	473.57	29.59	17.004		
3,300.00	3,274.43	3,251.62	3,195.51	15.30	15.60	-94.68	451.92	412.05	519.57	489.06	30.51	17.031		
3,400.00	3,373.53	3,350.26	3,291.98	15.76	16.08	-94.57	465.95	427.10	535.98	504.56	31.42	17.056		
3,500.00	3,472.63	3,448.90	3,388.45	16.22	16.56	-94.48	479.98	442.15	552.40	520.06	32.34	17.079		
3,600.00	3,571.73	3,547.54	3,484.92	16.68	17.03	-94.38	494.02	457.20	568.82	535.55	33.26	17.100		
3,700.00	3,670.83	3,646.17	3,581.39	17.14	17.51	-94.30	508.05	472.25	585.23	551.05	34.19	17.120		
3,800.00	3,769.93	3,744.81	3,677.86	17.59	17.99	-94.21	522.08	487.29	601.65	566.55	35.11	17.137		
3,900.00	3,869.03	3,843.45	3,774.33	18.05	18.48	-94.13	536.11	502.34	618.07	582.04	36.03	17.154		
4,000.00	3,968.13	3,942.09	3,870.80	18.51	18.96	-94.06	550.15	517.39	634.50	597.54	36.96	17.169		
4,100.00	4,067.23	4,040.73	3,967.27	18.98	19.44	-93.99	564.18	532.44	650.92	613.04	37.88	17.183		
4,200.00	4,166.33	4,139.37	4,063.73	19.44	19.92	-93.92	578.21	547.49	667.34	628.54	38.81	17.196		
4,300.00	4,265.43	4,238.01	4,160.20	19.90	20.40	-93.86	592.25	562.53	683.77	644.03	39.73	17.209		
4,400.00	4,364.53	4,336.65	4,256.67	20.36	20.89	-93.80	606.28	577.58	700.19	659.53	40.66	17.220		
4,500.00	4,463.63	4,435.29	4,353.14	20.82	21.37	-93.74	620.31	592.63	716.62	675.03	41.59	17.231		
4,600.00	4,562.73	4,533.93	4,449.61	21.28	21.85	-93.68	634.34	607.68	733.05	690.53	42.52	17.241		
4,700.00	4,661.83	4,632.57	4,546.08	21.75	22.34	-93.63	648.38	622.73	749.47	706.02	43.45	17.250		
4,800.00	4,760.93	4,731.21	4,642.55	22.21	22.82	-93.58	662.41	637.77	765.90	721.52	44.38	17.259		
4,900.00	4,860.04	4,829.84	4,739.02	22.67	23.30	-93.53	676.44	652.82	782.33	737.02	45.31	17.267		
5,000.00	4,959.14	4,928.48	4,835.49	23.13	23.79	-93.48	690.47	667.87	798.76	752.52	46.24	17.275		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,027.12	4,931.96	23.60	24.27	-93.44	704.51	682.92	815.19	768.02	47.17	17.282		
5,200.00	5,157.34	5,125.76	5,028.43	24.06	24.76	-93.39	718.54	697.97	831.62	783.52	48.10	17.289		
5,300.00	5,256.44	5,224.40	5,124.90	24.52	25.24	-93.35	732.57	713.01	848.05	799.01	49.03	17.295		
5,400.00	5,355.54	5,323.04	5,221.37	24.99	25.73	-93.31	746.60	728.06	864.48	814.51	49.97	17.301		
5,500.00	5,454.64	5,421.68	5,317.84	25.45	26.21	-93.27	760.64	743.11	880.91	830.01	50.90	17.307		
5,600.00	5,553.74	5,520.32	5,414.30	25.92	26.70	-93.24	774.67	758.16	897.34	845.51	51.83	17.312		
5,700.00	5,652.84	5,618.96	5,510.77	26.38	27.19	-93.20	788.70	773.21	913.77	861.01	52.77	17.317		
5,800.00	5,751.94	5,717.60	5,607.24	26.84	27.67	-93.17	802.73	788.26	930.21	876.51	53.70	17.322		
5,900.00	5,851.04	5,816.24	5,703.71	27.31	28.16	-93.13	816.77	803.30	946.64	892.01	54.63	17.327		
6,000.00	5,950.14	5,914.87	5,800.18	27.77	28.64	-93.10	830.80	818.35	963.07	907.50	55.57	17.331		
6,100.00	6,049.24	6,013.51	5,896.65	28.24	29.13	-93.07	844.83	833.40	979.51	923.00	56.50	17.335		
6,200.00	6,148.34	6,112.15	5,993.12	28.70	29.62	-93.04	858.86	848.45	995.94	938.50	57.44	17.339		
6,304.69	6,252.09	6,215.42	6,094.11	29.19	30.13	-93.01	873.55	864.20	1,013.14	954.73	58.42	17.343		
6,350.00	6,297.17	6,260.03	6,137.74	29.39	30.35	-105.67	879.90	871.01	1,020.81	961.98	58.83	17.351		
6,400.00	6,347.13	6,308.88	6,185.52	29.59	30.59	152.39	886.85	878.46	1,029.78	970.51	59.26	17.376		
6,450.00	6,397.02	6,357.04	6,232.62	29.78	30.82	111.87	893.70	885.81	1,039.28	979.61	59.67	17.417		
6,500.00	6,446.53	6,404.22	6,278.76	29.96	31.06	105.05	900.41	893.00	1,049.36	989.29	60.07	17.469		
6,550.00	6,495.35	6,466.33	6,339.83	30.14	31.35	102.57	909.18	899.98	1,059.78	999.18	60.60	17.487		
6,600.00	6,543.19	6,533.21	6,406.04	30.33	31.63	101.31	918.37	900.77	1,070.02	1,008.88	61.14	17.500		
6,650.00	6,589.76	6,603.02	6,474.89	30.52	31.90	100.52	927.57	894.13	1,079.94	1,018.27	61.67	17.512		
6,700.00	6,634.75	6,675.76	6,545.45	30.71	32.16	99.96	936.63	879.17	1,089.40	1,027.22	62.18	17.520		
6,750.00	6,677.90	6,751.31	6,616.50	30.91	32.44	99.50	945.34	855.16	1,098.26	1,035.58	62.68	17.523		
6,800.00	6,718.94	6,829.41	6,686.52	31.13	32.73	99.05	953.46	821.63	1,106.37	1,043.21	63.17	17.514		
6,850.00	6,757.62	6,909.66	6,753.72	31.36	33.04	98.59	960.74	778.46	1,113.63	1,049.96	63.68	17.489		
6,900.00	6,793.70	6,991.50	6,816.20	31.61	33.40	98.07	966.95	726.06	1,119.92	1,055.69	64.23	17.436		
6,950.00	6,826.95	7,074.25	6,872.13	31.88	33.83	97.48	971.86	665.36	1,125.18	1,060.29	64.88	17.342		
7,000.00	6,857.18	7,157.13	6,919.90	32.19	34.32	96.81	975.33	597.79	1,129.34	1,063.68	65.66	17.200		
7,050.00	6,884.18	7,239.36	6,958.34	32.52	34.92	96.07	977.27	525.19	1,132.41	1,065.80	66.62	16.999		
7,100.00	6,907.81	7,320.22	6,986.82	32.90	35.61	95.27	977.70	449.57	1,134.40	1,066.66	67.74	16.745		
7,150.00	6,927.91	7,399.07	7,005.25	33.32	36.38	94.41	976.69	372.96	1,135.37	1,066.34	69.03	16.448		
7,200.00	6,944.36	7,475.43	7,014.03	33.77	37.22	93.52	974.38	297.19	1,135.38	1,064.94	70.44	16.118		
7,250.00	6,957.05	7,538.52	7,014.80	34.27	37.96	92.78	971.56	234.18	1,134.62	1,062.82	71.80	15.802		
7,300.00	6,965.92	7,587.63	7,014.33	34.80	38.58	92.36	969.22	185.14	1,133.87	1,060.85	73.03	15.527		
7,350.00	6,970.89	7,637.31	7,013.85	35.37	39.26	92.13	966.85	135.51	1,133.24	1,058.92	74.32	15.248		
7,396.89	6,972.00	7,684.17	7,013.39	35.93	39.92	92.10	964.62	88.71	1,132.70	1,057.14	75.56	14.990		
7,400.00	6,971.96	7,687.27	7,013.36	35.97	39.97	92.10	964.47	85.61	1,132.66	1,057.02	75.64	14.974		
7,500.00	6,970.65	7,787.27	7,012.40	37.28	41.51	92.12	959.70	-14.27	1,131.55	1,053.04	78.52	14.411		
7,600.00	6,969.33	7,887.26	7,011.43	38.76	43.18	92.14	954.93	-114.14	1,130.44	1,048.76	81.69	13.839		
7,700.00	6,968.02	7,987.25	7,010.47	40.39	44.98	92.16	950.16	-214.02	1,129.33	1,044.21	85.12	13.268		
7,800.00	6,966.70	8,087.24	7,009.51	42.15	46.88	92.18	945.39	-313.89	1,128.22	1,039.44	88.78	12.709		
7,900.00	6,965.39	8,187.24	7,008.54	44.02	48.87	92.20	940.62	-413.77	1,127.11	1,034.46	92.64	12.166		
8,000.00	6,964.07	8,287.23	7,007.58	45.99	50.94	92.22	935.85	-513.64	1,125.99	1,029.31	96.69	11.646		
8,100.00	6,962.76	8,387.22	7,006.61	48.05	53.08	92.24	931.08	-613.52	1,124.88	1,024.00	100.89	11.150		
8,200.00	6,961.45	8,487.22	7,005.65	50.19	55.29	92.26	926.31	-713.39	1,123.77	1,018.54	105.23	10.679		
8,300.00	6,960.13	8,587.21	7,004.68	52.39	57.55	92.28	921.54	-813.27	1,122.66	1,012.97	109.69	10.235		
8,400.00	6,958.82	8,687.20	7,003.72	54.65	59.86	92.30	916.77	-913.14	1,121.55	1,007.29	114.26	9.816		
8,500.00	6,957.50	8,787.20	7,002.75	56.97	62.22	92.32	912.00	-1,013.01	1,120.44	1,001.51	118.92	9.421		
8,600.00	6,956.19	8,887.19	7,001.79	59.33	64.61	92.34	907.23	-1,112.89	1,119.33	995.65	123.67	9.051		
8,700.00	6,954.87	8,987.18	7,000.82	61.73	67.04	92.36	902.47	-1,212.76	1,118.22	989.72	128.50	8.702		
8,800.00	6,953.56	9,087.18	6,999.86	64.16	69.50	92.38	897.70	-1,312.64	1,117.11	983.72	133.39	8.375		
8,900.00	6,952.24	9,187.17	6,998.89	66.63	71.99	92.40	892.93	-1,412.51	1,116.00	977.66	138.34	8.067		
9,000.00	6,950.93	9,287.16	6,997.93	69.13	74.50	92.42	888.16	-1,512.39	1,114.89	971.54	143.35	7.778		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	9,387.15	6,996.96	71.65	77.03	92.45	883.39	-1,612.26	1,113.78	965.38	148.40	7.505		
9,200.00	6,948.30	9,487.15	6,996.00	74.20	79.59	92.47	878.62	-1,712.14	1,112.67	959.18	153.49	7.249		
9,300.00	6,946.98	9,587.14	6,995.03	76.77	82.16	92.49	873.85	-1,812.01	1,111.56	952.93	158.63	7.007		
9,400.00	6,945.67	9,687.13	6,994.07	79.35	84.75	92.51	869.08	-1,911.89	1,110.45	946.65	163.80	6.779		
9,500.00	6,944.35	9,787.13	6,993.11	81.95	87.36	92.53	864.31	-2,011.76	1,109.34	940.34	169.00	6.564		
9,600.00	6,943.04	9,887.12	6,992.14	84.57	89.98	92.55	859.54	-2,111.63	1,108.23	934.00	174.23	6.361		
9,700.00	6,941.73	9,987.11	6,991.18	87.21	92.61	92.57	854.77	-2,211.51	1,107.12	927.64	179.49	6.168		
9,800.00	6,940.41	10,087.11	6,990.21	89.85	95.26	92.59	850.00	-2,311.38	1,106.01	921.25	184.77	5.986		
9,900.00	6,939.10	10,187.10	6,989.25	92.51	97.91	92.61	845.23	-2,411.26	1,104.91	914.83	190.07	5.813		
10,000.00	6,937.78	10,287.09	6,988.28	95.17	100.58	92.63	840.46	-2,511.13	1,103.80	908.40	195.40	5.649		
10,100.00	6,936.47	10,387.08	6,987.32	97.85	103.25	92.65	835.69	-2,611.01	1,102.69	901.95	200.74	5.493		
10,200.00	6,935.15	10,487.08	6,986.35	100.54	105.94	92.67	830.92	-2,710.88	1,101.58	895.48	206.10	5.345		
10,300.00	6,933.84	10,587.07	6,985.39	103.23	108.63	92.69	826.15	-2,810.76	1,100.47	889.00	211.47	5.204		
10,400.00	6,932.52	10,687.06	6,984.42	105.93	111.33	92.71	821.38	-2,910.63	1,099.36	882.50	216.86	5.069		
10,500.00	6,931.21	10,787.06	6,983.46	108.64	114.03	92.74	816.61	-3,010.51	1,098.26	875.99	222.27	4.941		
10,600.00	6,929.89	10,887.05	6,982.49	111.36	116.74	92.76	811.84	-3,110.38	1,097.15	869.46	227.69	4.819		
10,700.00	6,928.58	10,987.04	6,981.53	114.08	119.46	92.78	807.07	-3,210.25	1,096.04	862.93	233.11	4.702		
10,800.00	6,927.26	11,087.04	6,980.56	116.81	122.18	92.80	802.30	-3,310.13	1,094.93	856.38	238.55	4.590		
10,900.00	6,925.95	11,187.03	6,979.60	119.54	124.91	92.82	797.53	-3,410.00	1,093.83	849.82	244.00	4.483		
11,000.00	6,924.64	11,287.02	6,978.63	122.28	127.64	92.84	792.77	-3,509.88	1,092.72	843.26	249.46	4.380		
11,100.00	6,923.32	11,387.02	6,977.67	125.02	130.38	92.86	788.00	-3,609.75	1,091.61	836.68	254.93	4.282		
11,200.00	6,922.01	11,487.01	6,976.71	127.77	133.12	92.88	783.23	-3,709.63	1,090.51	830.10	260.41	4.188		
11,300.00	6,920.69	11,587.00	6,975.74	130.52	135.87	92.91	778.46	-3,809.50	1,089.40	823.51	265.89	4.097		
11,400.00	6,919.38	11,686.99	6,974.78	133.28	138.61	92.93	773.69	-3,909.38	1,088.29	816.91	271.38	4.010		
11,500.00	6,918.06	11,786.99	6,973.81	136.04	141.37	92.95	768.92	-4,009.25	1,087.19	810.30	276.88	3.927		
11,600.00	6,916.75	11,886.98	6,972.85	138.80	144.12	92.97	764.15	-4,109.13	1,086.08	803.69	282.39	3.846		
11,700.00	6,915.43	11,986.97	6,971.88	141.56	146.88	92.99	759.38	-4,209.00	1,084.97	797.08	287.90	3.769		
11,800.00	6,914.12	12,086.97	6,970.92	144.33	149.64	93.01	754.61	-4,308.88	1,083.87	790.46	293.41	3.694		
11,900.00	6,912.80	12,186.96	6,969.95	147.10	152.41	93.03	749.84	-4,408.75	1,082.76	783.83	298.93	3.622		
12,000.00	6,911.49	12,286.95	6,968.99	149.88	155.17	93.06	745.07	-4,508.62	1,081.66	777.20	304.46	3.553		
12,100.00	6,910.17	12,386.95	6,968.02	152.65	157.94	93.08	740.30	-4,608.50	1,080.55	770.56	309.99	3.486		
12,200.00	6,908.86	12,486.94	6,967.06	155.43	160.72	93.10	735.53	-4,708.37	1,079.45	763.92	315.53	3.421		
12,300.00	6,907.54	12,586.93	6,966.09	158.21	163.49	93.12	730.76	-4,808.25	1,078.34	757.27	321.07	3.359		
12,400.00	6,906.23	12,686.93	6,965.13	160.99	166.27	93.14	725.99	-4,908.12	1,077.24	750.62	326.61	3.298		
12,500.00	6,904.92	12,786.92	6,964.16	163.78	169.04	93.16	721.22	-5,008.00	1,076.13	743.97	332.16	3.240		
12,600.00	6,903.60	12,886.91	6,963.20	166.57	171.82	93.19	716.45	-5,107.87	1,075.03	737.32	337.71	3.183		
12,700.00	6,902.29	12,986.90	6,962.23	169.35	174.61	93.21	711.68	-5,207.75	1,073.92	730.66	343.27	3.129		
12,800.00	6,900.97	13,086.90	6,961.27	172.14	177.39	93.23	706.91	-5,307.62	1,072.82	724.00	348.82	3.076		
12,900.00	6,899.66	13,186.89	6,960.31	174.94	180.18	93.25	702.14	-5,407.50	1,071.71	717.33	354.38	3.024		
13,000.00	6,898.34	13,286.88	6,959.34	177.73	182.96	93.28	697.37	-5,507.37	1,070.61	710.66	359.95	2.974		
13,100.00	6,897.03	13,386.88	6,958.38	180.53	185.75	93.30	692.60	-5,607.24	1,069.51	703.99	365.51	2.926		
13,200.00	6,895.71	13,486.87	6,957.41	183.32	188.54	93.32	687.84	-5,707.12	1,068.40	697.32	371.08	2.879		
13,300.00	6,894.40	13,586.86	6,956.45	186.12	191.33	93.34	683.07	-5,806.99	1,067.30	690.64	376.65	2.834		
13,400.00	6,893.08	13,686.86	6,955.48	188.92	194.13	93.36	678.30	-5,906.87	1,066.20	683.97	382.23	2.789		
13,500.00	6,891.77	13,786.85	6,954.52	191.72	196.92	93.39	673.53	-6,006.74	1,065.09	677.29	387.80	2.746		
13,600.00	6,890.45	13,886.84	6,953.55	194.52	199.72	93.41	668.76	-6,106.62	1,063.99	670.61	393.38	2.705		
13,700.00	6,889.14	13,986.83	6,952.59	197.32	202.51	93.43	663.99	-6,206.49	1,062.89	663.92	398.96	2.664		
13,800.00	6,887.82	14,086.83	6,951.62	200.13	205.31	93.45	659.22	-6,306.37	1,061.78	657.24	404.54	2.625		
13,900.00	6,886.51	14,186.82	6,950.66	202.93	208.11	93.48	654.45	-6,406.24	1,060.68	650.55	410.13	2.586		
14,000.00	6,885.20	14,286.81	6,949.69	205.74	210.91	93.50	649.68	-6,506.12	1,059.58	643.87	415.71	2.549		
14,100.00	6,883.88	14,386.81	6,948.73	208.55	213.71	93.52	644.91	-6,605.99	1,058.48	637.18	421.30	2.512		
14,200.00	6,882.57	14,486.80	6,947.76	211.35	216.51	93.54	640.14	-6,705.87	1,057.37	630.49	426.89	2.477		

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 13N-6B-M
<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 13N-6B-M	<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	6,881.25	14,586.79	6,946.80	214.16	219.31	93.57	635.37	-6,805.74	1,056.27	623.79	432.48	2.442		
14,400.00	6,879.94	14,686.79	6,945.83	216.97	222.12	93.59	630.60	-6,905.61	1,055.17	617.10	438.07	2.409		
14,500.00	6,878.62	14,786.78	6,944.87	219.78	224.92	93.61	625.83	-7,005.49	1,054.07	610.41	443.66	2.376		
14,600.00	6,877.31	14,886.77	6,943.91	222.59	227.72	93.64	621.06	-7,105.36	1,052.97	603.71	449.26	2.344		
14,700.00	6,875.99	14,986.77	6,942.94	225.41	230.53	93.66	616.29	-7,205.24	1,051.87	597.01	454.85	2.313		
14,800.00	6,874.68	15,086.76	6,941.98	228.22	233.34	93.68	611.52	-7,305.11	1,050.77	590.32	460.45	2.282		
14,900.00	6,873.36	15,186.75	6,941.01	231.03	236.14	93.70	606.75	-7,404.99	1,049.67	583.62	466.05	2.252		
15,000.00	6,872.05	15,286.74	6,940.05	233.85	238.95	93.73	601.98	-7,504.86	1,048.56	576.92	471.65	2.223		
15,100.00	6,870.73	15,386.74	6,939.08	236.66	241.76	93.75	597.21	-7,604.74	1,047.46	570.22	477.24	2.195		
15,200.00	6,869.42	15,486.73	6,938.12	239.48	244.57	93.77	592.44	-7,704.61	1,046.36	563.52	482.85	2.167		
15,300.00	6,868.11	15,586.72	6,937.15	242.29	247.38	93.80	587.67	-7,804.49	1,045.26	556.82	488.45	2.140		
15,400.00	6,866.79	15,686.72	6,936.19	245.11	250.19	93.82	582.90	-7,904.36	1,044.16	550.12	494.05	2.113		
15,428.51	6,866.42	15,715.22	6,935.91	245.91	250.99	93.83	581.54	-7,932.83	1,043.85	548.20	495.65	2.106		
15,460.11	6,866.00	15,706.13	6,936.00	246.80	250.74	93.82	581.98	-7,923.75	1,044.30	548.29	496.01	2.105 SF		
15,460.74	6,865.99	15,706.13	6,936.00	246.82	250.74	93.82	581.98	-7,923.75	1,044.31	548.30	496.02	2.105		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	6.38	14.94	1.67	15.03					
100.00	100.00	100.00	100.00	3.28	3.28	6.38	14.94	1.67	15.03	8.46	6.57	2.288		
200.00	200.00	200.00	200.00	3.34	3.34	6.38	14.94	1.67	15.03	8.36	6.67	2.252 CC		
200.52	200.52	200.52	200.52	3.34	3.34	-92.62	14.94	1.67	15.03	8.35	6.67	2.252		
300.00	299.98	299.98	299.98	3.44	3.44	-99.20	14.94	1.67	15.21	8.32	6.89	2.208		
400.00	399.84	399.99	399.97	3.60	3.60	-111.26	14.89	3.41	16.36	9.16	7.20	2.273		
500.00	499.45	500.13	499.96	3.80	3.80	-120.70	14.75	8.66	18.53	10.93	7.60	2.438		
584.50	583.35	584.82	584.36	4.01	4.00	-126.44	14.57	15.81	20.97	12.96	8.01	2.619		
600.00	598.71	600.37	599.82	4.05	4.04	-127.21	14.52	17.40	21.44	13.35	8.09	2.651		
700.00	697.81	700.67	699.38	4.33	4.32	-127.49	14.21	29.58	23.52	14.87	8.65	2.720		
800.00	796.91	800.66	798.47	4.64	4.62	-125.40	13.86	42.88	25.02	15.77	9.25	2.704		
900.00	896.01	900.64	897.57	4.98	4.95	-123.55	13.51	56.19	26.56	16.65	9.91	2.680		
1,000.00	995.11	1,000.63	996.66	5.34	5.30	-121.90	13.16	69.49	28.12	17.51	10.61	2.651		
1,100.00	1,094.21	1,100.61	1,095.76	5.71	5.67	-120.43	12.81	82.80	29.70	18.36	11.34	2.619		
1,200.00	1,193.31	1,200.60	1,194.85	6.10	6.06	-119.11	12.46	96.10	31.30	19.20	12.10	2.587		
1,300.00	1,292.41	1,300.58	1,293.94	6.49	6.45	-117.91	12.12	109.41	32.91	20.03	12.88	2.555		
1,400.00	1,391.51	1,400.57	1,393.04	6.90	6.85	-116.83	11.77	122.72	34.54	20.86	13.68	2.525		
1,500.00	1,490.61	1,500.55	1,492.13	7.31	7.26	-115.85	11.42	136.02	36.18	21.68	14.50	2.495		
1,600.00	1,589.71	1,600.54	1,591.23	7.73	7.68	-114.95	11.07	149.33	37.83	22.50	15.33	2.468		
1,700.00	1,688.81	1,700.52	1,690.32	8.16	8.10	-114.13	10.72	162.63	39.48	23.32	16.17	2.442		
1,800.00	1,787.92	1,800.50	1,789.42	8.59	8.53	-113.37	10.37	175.94	41.15	24.13	17.02	2.418		
1,900.00	1,887.02	1,900.49	1,888.51	9.02	8.96	-112.67	10.02	189.24	42.82	24.94	17.88	2.395		
2,000.00	1,986.12	2,000.47	1,987.61	9.46	9.39	-112.03	9.68	202.55	44.50	25.75	18.74	2.374		
2,100.00	2,085.22	2,100.46	2,086.70	9.90	9.83	-111.43	9.33	215.85	46.18	26.56	19.62	2.354		
2,200.00	2,184.32	2,200.44	2,185.80	10.34	10.27	-110.87	8.98	229.16	47.86	27.37	20.49	2.336		
2,300.00	2,283.42	2,300.43	2,284.89	10.78	10.71	-110.35	8.63	242.47	49.56	28.18	21.38	2.318		
2,400.00	2,382.52	2,400.41	2,383.99	11.23	11.16	-109.87	8.28	255.77	51.25	28.99	22.26	2.302		
2,500.00	2,481.62	2,500.40	2,483.08	11.68	11.60	-109.42	7.93	269.08	52.95	29.80	23.15	2.287		
2,600.00	2,580.72	2,600.38	2,582.18	12.13	12.05	-108.99	7.59	282.38	54.65	30.60	24.05	2.273		
2,700.00	2,679.82	2,700.37	2,681.27	12.58	12.50	-108.59	7.24	295.69	56.35	31.41	24.94	2.259		
2,800.00	2,778.92	2,800.35	2,780.37	13.03	12.95	-108.22	6.89	308.99	58.06	32.22	25.84	2.247		
2,900.00	2,878.02	2,900.34	2,879.46	13.48	13.40	-107.86	6.54	322.30	59.77	33.03	26.74	2.235		
3,000.00	2,977.12	3,000.32	2,978.56	13.94	13.85	-107.53	6.19	335.60	61.48	33.83	27.64	2.224		
3,100.00	3,076.22	3,100.31	3,077.65	14.39	14.31	-107.21	5.84	348.91	63.19	34.64	28.55	2.213		
3,200.00	3,175.32	3,200.29	3,176.75	14.85	14.76	-106.91	5.50	362.22	64.91	35.45	29.46	2.204		
3,300.00	3,274.43	3,300.28	3,275.84	15.30	15.21	-106.63	5.15	375.52	66.62	36.26	30.36	2.194		
3,400.00	3,373.53	3,400.26	3,374.94	15.76	15.67	-106.36	4.80	388.83	68.34	37.07	31.27	2.185		
3,500.00	3,472.63	3,500.25	3,474.03	16.22	16.13	-106.10	4.45	402.13	70.06	37.88	32.18	2.177		
3,600.00	3,571.73	3,600.23	3,573.13	16.68	16.58	-105.85	4.10	415.44	71.78	38.68	33.10	2.169		
3,700.00	3,670.83	3,700.21	3,672.22	17.14	17.04	-105.62	3.75	428.74	73.50	39.49	34.01	2.161		
3,800.00	3,769.93	3,800.20	3,771.32	17.59	17.50	-105.40	3.40	442.05	75.23	40.30	34.92	2.154		
3,900.00	3,869.03	3,900.18	3,870.41	18.05	17.96	-105.19	3.06	455.35	76.95	41.11	35.84	2.147		
4,000.00	3,968.13	4,000.17	3,969.51	18.51	18.41	-104.98	2.71	468.66	78.68	41.92	36.75	2.141		
4,100.00	4,067.23	4,100.15	4,068.60	18.98	18.87	-104.79	2.36	481.97	80.40	42.73	37.67	2.134		
4,200.00	4,166.33	4,200.14	4,167.70	19.44	19.33	-104.60	2.01	495.27	82.13	43.54	38.59	2.128		
4,300.00	4,265.43	4,300.12	4,266.79	19.90	19.79	-104.42	1.66	508.58	83.86	44.35	39.51	2.123		
4,400.00	4,364.53	4,400.11	4,365.89	20.36	20.25	-104.25	1.31	521.88	85.59	45.16	40.43	2.117		
4,500.00	4,463.63	4,500.09	4,464.98	20.82	20.71	-104.09	0.97	535.19	87.31	45.97	41.35	2.112		
4,600.00	4,562.73	4,600.08	4,564.07	21.28	21.17	-103.93	0.62	548.49	89.04	46.78	42.27	2.107		
4,700.00	4,661.83	4,700.06	4,663.17	21.75	21.63	-103.78	0.27	561.80	90.78	47.59	43.19	2.102		
4,800.00	4,760.93	4,800.05	4,762.26	22.21	22.10	-103.63	-0.08	575.10	92.51	48.40	44.11	2.097		
4,900.00	4,860.04	4,900.03	4,861.36	22.67	22.56	-103.49	-0.43	588.41	94.24	49.21	45.03	2.093		

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 13N-6B-M
<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 13N-6B-M	<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		
5,000.00	4,959.14	5,000.02	4,960.45	23.13	23.02	-103.36	-0.78	601.72	95.97	50.02	45.95	2.088		
5,100.00	5,058.24	5,100.00	5,059.55	23.60	23.48	-103.22	-1.12	615.02	97.70	50.83	46.87	2.084		
5,200.00	5,157.34	5,200.01	5,158.64	24.06	23.94	-103.10	-1.47	628.33	99.44	51.64	47.80	2.080		
5,300.00	5,256.44	5,300.03	5,257.74	24.52	24.40	-102.98	-1.82	641.63	101.17	52.45	48.72	2.077		
5,400.00	5,355.54	5,400.04	5,356.83	24.99	24.87	-102.86	-2.17	654.94	102.91	53.26	49.65	2.073		
5,500.00	5,454.64	5,500.06	5,455.93	25.45	25.33	-102.74	-2.52	668.24	104.64	54.07	50.57	2.069		
5,600.00	5,553.74	5,600.08	5,555.02	25.92	25.79	-102.63	-2.87	681.55	106.38	54.88	51.49	2.066		
5,700.00	5,652.84	5,700.09	5,654.12	26.38	26.25	-102.53	-3.22	694.85	108.11	55.69	52.42	2.062		
5,800.00	5,751.94	5,800.11	5,753.21	26.84	26.72	-102.42	-3.56	708.16	109.85	56.51	53.34	2.059		
5,900.00	5,851.04	5,900.12	5,852.31	27.31	27.18	-102.32	-3.91	721.47	111.58	57.32	54.27	2.056		
6,000.00	5,950.14	6,000.14	5,951.40	27.77	27.64	-102.22	-4.26	734.77	113.32	58.13	55.19	2.053		
6,100.00	6,049.24	6,100.15	6,050.50	28.24	28.11	-102.13	-4.61	748.08	115.06	58.94	56.12	2.050		
6,200.00	6,148.34	6,200.17	6,149.59	28.70	28.57	-102.04	-4.96	761.38	116.80	59.75	57.05	2.047		
6,304.69	6,252.09	6,304.50	6,253.33	29.19	29.05	-101.95	-5.32	775.31	118.61	60.60	58.01	2.045		
6,350.00	6,297.17	6,349.77	6,298.19	29.39	29.26	-113.27	-5.48	781.33	119.39	60.95	58.44	2.043		
6,400.00	6,347.13	6,400.56	6,347.42	29.59	29.50	147.83	-5.65	787.94	120.39	61.47	58.93	2.043		
6,450.00	6,397.02	6,448.51	6,396.06	29.78	29.72	111.85	-5.82	794.47	122.06	62.66	59.41	2.055		
6,500.00	6,446.53	6,497.65	6,444.80	29.96	29.95	110.73	-6.01	800.63	125.16	65.27	59.88	2.090		
6,550.00	6,495.35	6,548.51	6,495.56	30.14	30.17	113.64	-6.31	803.62	129.66	69.35	60.30	2.150		
6,600.00	6,543.19	6,600.57	6,547.59	30.33	30.37	117.35	-6.76	802.48	135.32	74.74	60.58	2.234		
6,650.00	6,589.76	6,653.89	6,600.60	30.52	30.57	121.10	-7.36	796.91	141.92	81.27	60.65	2.340		
6,700.00	6,634.75	6,708.54	6,654.25	30.71	30.77	124.64	-8.12	786.62	149.22	88.77	60.45	2.469		
6,750.00	6,677.90	6,764.56	6,708.13	30.91	30.98	127.85	-9.05	771.34	156.99	97.06	59.93	2.619		
6,800.00	6,718.94	6,822.02	6,761.76	31.13	31.21	130.72	-10.14	750.82	165.00	105.93	59.07	2.793		
6,850.00	6,757.62	6,880.93	6,814.60	31.36	31.44	133.22	-11.41	724.85	173.02	115.17	57.85	2.991		
6,900.00	6,793.70	6,941.29	6,866.01	31.61	31.70	135.39	-12.84	693.29	180.86	124.55	56.31	3.212		
6,950.00	6,826.95	7,003.10	6,915.31	31.88	31.98	137.23	-14.45	656.09	188.32	133.84	54.48	3.457		
7,000.00	6,857.18	7,066.29	6,961.74	32.19	32.30	138.78	-16.22	613.30	195.24	142.79	52.45	3.722		
7,050.00	6,884.18	7,130.79	7,004.51	32.52	32.66	140.05	-18.13	565.10	201.46	151.12	50.34	4.002		
7,100.00	6,907.81	7,196.47	7,042.83	32.90	33.08	141.05	-20.17	511.83	206.84	158.55	48.29	4.283		
7,150.00	6,927.91	7,263.16	7,075.91	33.32	33.57	141.80	-22.32	453.99	211.27	164.76	46.51	4.542		
7,200.00	6,944.36	7,330.68	7,103.05	33.77	34.13	142.32	-24.56	392.25	214.64	169.45	45.19	4.749		
7,250.00	6,957.05	7,398.78	7,123.64	34.27	34.77	142.60	-26.84	327.40	216.90	172.36	44.53	4.870		
7,300.00	6,965.92	7,467.23	7,137.23	34.80	35.48	142.66	-29.13	260.40	217.98	173.29	44.69	4.878		
7,350.00	6,970.89	7,535.74	7,143.56	35.37	36.26	142.48	-31.41	192.25	217.87	172.18	45.69	4.768		
7,393.95	6,972.04	7,588.31	7,143.76	35.89	36.88	142.26	-33.13	139.71	217.16	170.27	46.89	4.632		
7,396.89	6,972.00	7,591.25	7,143.72	35.93	36.92	142.26	-33.23	136.78	217.17	170.22	46.94	4.626		
7,400.00	6,971.96	7,594.36	7,143.69	35.97	36.96	142.25	-33.33	133.67	217.18	170.18	47.00	4.621		
7,500.00	6,970.65	7,705.65	7,142.52	37.28	38.46	142.20	-36.58	33.73	217.54	168.47	49.07	4.433		
7,600.00	6,969.33	7,805.65	7,141.36	38.76	39.97	142.14	-39.84	-66.21	217.89	166.65	51.25	4.252		
7,700.00	6,968.02	7,905.65	7,140.20	40.39	41.63	142.09	-43.10	-166.15	218.25	164.64	53.61	4.071		
7,800.00	6,966.70	8,005.65	7,139.03	42.15	43.41	142.03	-46.35	-266.09	218.61	162.46	56.15	3.894		
7,900.00	6,965.39	8,105.65	7,137.87	44.02	45.29	141.97	-49.61	-366.02	218.97	160.15	58.82	3.723		
8,000.00	6,964.07	8,205.65	7,136.71	45.99	47.27	141.92	-52.87	-465.96	219.33	157.70	61.63	3.559		
8,100.00	6,962.76	8,305.65	7,135.54	48.05	49.34	141.86	-56.12	-565.90	219.69	155.14	64.54	3.404		
8,200.00	6,961.45	8,405.65	7,134.38	50.19	51.48	141.81	-59.38	-665.84	220.05	152.48	67.56	3.257		
8,300.00	6,960.13	8,505.65	7,133.22	52.39	53.69	141.75	-62.64	-765.78	220.40	149.74	70.66	3.119		
8,400.00	6,958.82	8,605.65	7,132.05	54.65	55.95	141.70	-65.89	-865.72	220.76	146.92	73.84	2.990		
8,500.00	6,957.50	8,694.35	7,130.89	56.97	58.00	141.64	-69.15	-965.66	221.12	144.21	76.91	2.875		
8,600.00	6,956.19	8,805.66	7,129.73	59.33	60.63	141.59	-72.41	-1,065.60	221.48	141.08	80.41	2.755		
8,700.00	6,954.87	8,894.34	7,128.56	61.73	62.75	141.53	-75.66	-1,165.54	221.84	138.26	83.58	2.654		
8,800.00	6,953.56	8,994.34	7,127.40	64.16	65.18	141.48	-78.92	-1,265.48	222.21	135.21	87.00	2.554		

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 13N-6B-M
<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 13N-6B-M	<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	6,952.24	9,105.66	7,126.24	66.63	67.93	141.43	-82.18	-1,365.42	222.57	131.92	90.65	2.455		
9,000.00	6,950.93	9,205.66	7,125.08	69.13	70.42	141.37	-85.43	-1,465.36	222.93	128.78	94.15	2.368		
9,100.00	6,949.61	9,305.66	7,123.91	71.65	72.95	141.32	-88.69	-1,565.30	223.29	125.60	97.69	2.286		
9,200.00	6,948.30	9,405.66	7,122.75	74.20	75.49	141.26	-91.95	-1,665.24	223.65	122.39	101.26	2.209		
9,300.00	6,946.98	9,505.66	7,121.59	76.77	78.05	141.21	-95.20	-1,765.17	224.01	119.15	104.86	2.136		
9,400.00	6,945.67	9,605.66	7,120.42	79.35	80.64	141.16	-98.46	-1,865.11	224.37	115.88	108.49	2.068		
9,500.00	6,944.35	9,694.34	7,119.26	81.95	82.94	141.11	-101.72	-1,965.05	224.73	112.79	111.95	2.008		
9,600.00	6,943.04	9,805.66	7,118.10	84.57	85.85	141.05	-104.97	-2,064.99	225.10	109.26	115.83	1.943		
9,700.00	6,941.73	9,905.67	7,116.93	87.21	88.48	141.00	-108.23	-2,164.93	225.46	105.92	119.54	1.886		
9,800.00	6,940.41	10,005.67	7,115.77	89.85	91.13	140.95	-111.49	-2,264.87	225.82	102.56	123.26	1.832		
9,900.00	6,939.10	10,105.67	7,114.61	92.51	93.78	140.89	-114.74	-2,364.81	226.18	99.17	127.01	1.781		
10,000.00	6,937.78	10,205.67	7,113.44	95.17	96.45	140.84	-118.00	-2,464.75	226.55	95.77	130.78	1.732		
10,100.00	6,936.47	10,305.67	7,112.28	97.85	99.12	140.79	-121.26	-2,564.69	226.91	92.35	134.56	1.686		
10,200.00	6,935.15	10,405.67	7,111.12	100.54	101.80	140.74	-124.51	-2,664.63	227.27	88.91	138.36	1.643		
10,300.00	6,933.84	10,505.67	7,109.95	103.23	104.50	140.69	-127.77	-2,764.57	227.64	85.46	142.18	1.601		
10,400.00	6,932.52	10,605.67	7,108.79	105.93	107.20	140.64	-131.03	-2,864.51	228.00	81.99	146.01	1.562		
10,500.00	6,931.21	10,705.67	7,107.63	108.64	109.91	140.58	-134.28	-2,964.45	228.36	78.51	149.85	1.524		
10,600.00	6,929.89	10,805.67	7,106.46	111.36	112.62	140.53	-137.54	-3,064.39	228.73	75.01	153.71	1.488 Level 3		
10,700.00	6,928.58	10,905.67	7,105.30	114.08	115.34	140.48	-140.80	-3,164.33	229.09	71.50	157.59	1.454 Level 3		
10,800.00	6,927.26	11,005.67	7,104.14	116.81	118.07	140.43	-144.05	-3,264.26	229.45	67.98	161.47	1.421 Level 3		
10,900.00	6,925.95	11,105.68	7,102.97	119.54	120.80	140.38	-147.31	-3,364.20	229.82	64.45	165.37	1.390 Level 3		
11,000.00	6,924.64	11,205.68	7,101.81	122.28	123.54	140.33	-150.57	-3,464.14	230.18	60.90	169.28	1.360 Level 3		
11,100.00	6,923.32	11,305.68	7,100.65	125.02	126.28	140.28	-153.82	-3,564.08	230.55	57.34	173.20	1.331 Level 3		
11,200.00	6,922.01	11,405.68	7,099.49	127.77	129.02	140.23	-157.08	-3,664.02	230.91	53.78	177.14	1.304 Level 3		
11,300.00	6,920.69	11,505.68	7,098.32	130.52	131.77	140.18	-160.34	-3,763.96	231.28	50.20	181.08	1.277 Level 3		
11,400.00	6,919.38	11,605.68	7,097.16	133.28	134.53	140.13	-163.59	-3,863.90	231.64	46.61	185.03	1.252 Level 3		
11,500.00	6,918.06	11,705.68	7,096.00	136.04	137.28	140.08	-166.85	-3,963.84	232.01	43.01	189.00	1.228 Level 2		
11,600.00	6,916.75	11,805.68	7,094.83	138.80	140.05	140.03	-170.11	-4,063.78	232.37	39.40	192.97	1.204 Level 2		
11,700.00	6,915.43	11,905.68	7,093.67	141.56	142.81	139.98	-173.36	-4,163.72	232.74	35.79	196.95	1.182 Level 2		
11,800.00	6,914.12	12,005.68	7,092.51	144.33	145.58	139.93	-176.62	-4,263.66	233.11	32.16	200.94	1.160 Level 2		
11,900.00	6,912.80	12,105.68	7,091.34	147.10	148.35	139.88	-179.88	-4,363.60	233.47	28.53	204.95	1.139 Level 2		
12,000.00	6,911.49	12,205.69	7,090.18	149.88	151.12	139.83	-183.13	-4,463.54	233.84	24.88	208.96	1.119 Level 2		
12,100.00	6,910.17	12,305.69	7,089.02	152.65	153.90	139.79	-186.39	-4,563.48	234.21	21.23	212.97	1.100 Level 2		
12,200.00	6,908.86	12,405.69	7,087.85	155.43	156.67	139.74	-189.64	-4,663.42	234.57	17.57	217.00	1.081 Level 2		
12,300.00	6,907.54	12,505.69	7,086.69	158.21	159.45	139.69	-192.90	-4,763.35	234.94	13.91	221.03	1.063 Level 2		
12,400.00	6,906.23	12,605.69	7,085.53	160.99	162.24	139.64	-196.16	-4,863.29	235.31	10.23	225.08	1.045 Level 2		
12,500.00	6,904.92	12,705.69	7,084.36	163.78	165.02	139.59	-199.41	-4,963.23	235.67	6.55	229.13	1.029 Level 2		
12,600.00	6,903.60	12,794.31	7,083.20	166.57	167.49	139.54	-202.67	-5,063.17	236.04	3.08	232.96	1.013 Level 2		
12,700.00	6,902.29	12,905.69	7,082.04	169.35	170.60	139.50	-205.93	-5,163.11	236.41	-0.84	237.25	0.996 Level 1		
12,800.00	6,900.97	13,005.69	7,080.87	172.14	173.39	139.45	-209.18	-5,263.05	236.78	-4.55	241.32	0.981 Level 1		
12,900.00	6,899.66	13,105.69	7,079.71	174.94	176.18	139.40	-212.44	-5,362.99	237.14	-8.26	245.40	0.966 Level 1		
13,000.00	6,898.34	13,205.69	7,078.55	177.73	178.97	139.35	-215.70	-5,462.93	237.51	-11.98	249.49	0.952 Level 1		
13,100.00	6,897.03	13,305.69	7,077.38	180.53	181.77	139.31	-218.95	-5,562.87	237.88	-15.71	253.59	0.938 Level 1		
13,200.00	6,895.71	13,394.30	7,076.22	183.32	184.24	139.26	-222.21	-5,662.81	238.25	-19.22	257.47	0.925 Level 1		
13,300.00	6,894.40	13,505.70	7,075.06	186.12	187.36	139.21	-225.47	-5,762.75	238.62	-23.18	261.80	0.911 Level 1		
13,400.00	6,893.08	13,605.70	7,073.89	188.92	190.16	139.17	-228.72	-5,862.69	238.99	-26.93	265.91	0.899 Level 1		
13,500.00	6,891.77	13,705.70	7,072.73	191.72	192.96	139.12	-231.98	-5,962.63	239.35	-30.68	270.03	0.886 Level 1		
13,600.00	6,890.45	13,805.70	7,071.57	194.52	195.76	139.07	-235.24	-6,062.57	239.72	-34.44	274.16	0.874 Level 1		
13,700.00	6,889.14	13,905.70	7,070.41	197.32	198.57	139.03	-238.49	-6,162.50	240.09	-38.20	278.30	0.863 Level 1		
13,800.00	6,887.82	14,005.70	7,069.24	200.13	201.37	138.98	-241.75	-6,262.44	240.46	-41.98	282.44	0.851 Level 1		
13,900.00	6,886.51	14,105.70	7,068.08	202.93	204.18	138.93	-245.01	-6,362.38	240.83	-45.75	286.58	0.840 Level 1		
14,000.00	6,885.20	14,205.70	7,066.92	205.74	206.98	138.89	-248.26	-6,462.32	241.20	-49.54	290.74	0.830 Level 1		

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 13N-6B-M
<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 13N-6B-M	<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	6,883.88	14,305.70	7,065.75	208.55	209.79	138.84	-251.52	-6,562.26	241.57	-53.33	294.90	0.819 Level 1		
14,200.00	6,882.57	14,405.70	7,064.59	211.35	212.60	138.80	-254.78	-6,662.20	241.94	-57.12	299.06	0.809 Level 1		
14,300.00	6,881.25	14,505.71	7,063.43	214.16	215.41	138.75	-258.03	-6,762.14	242.31	-60.93	303.24	0.799 Level 1		
14,400.00	6,879.94	14,605.71	7,062.26	216.97	218.22	138.71	-261.29	-6,862.08	242.68	-64.73	307.41	0.789 Level 1		
14,500.00	6,878.62	14,705.71	7,061.10	219.78	221.03	138.66	-264.55	-6,962.02	243.05	-68.55	311.60	0.780 Level 1		
14,600.00	6,877.31	14,805.71	7,059.94	222.59	223.84	138.61	-267.80	-7,061.96	243.42	-72.36	315.79	0.771 Level 1		
14,700.00	6,875.99	14,905.71	7,058.77	225.41	226.65	138.57	-271.06	-7,161.90	243.79	-76.19	319.98	0.762 Level 1		
14,800.00	6,874.68	14,994.29	7,057.61	228.22	229.14	138.52	-274.32	-7,261.84	244.16	-79.79	323.95	0.754 Level 1		
14,900.00	6,873.36	15,105.71	7,056.45	231.03	232.28	138.48	-277.57	-7,361.78	244.53	-83.85	328.39	0.745 Level 1		
15,000.00	6,872.05	15,205.71	7,055.28	233.85	235.09	138.44	-280.83	-7,461.72	244.90	-87.70	332.60	0.736 Level 1		
15,100.00	6,870.73	15,305.71	7,054.12	236.66	237.91	138.39	-284.09	-7,561.66	245.28	-91.54	336.82	0.728 Level 1		
15,200.00	6,869.42	15,405.71	7,052.96	239.48	240.73	138.35	-287.34	-7,661.59	245.65	-95.39	341.04	0.720 Level 1		
15,300.00	6,868.11	15,494.29	7,051.79	242.29	243.22	138.30	-290.60	-7,761.53	246.02	-99.02	345.04	0.713 Level 1		
15,400.00	6,866.79	15,594.29	7,050.63	245.11	246.04	138.26	-293.86	-7,861.47	246.39	-102.88	349.27	0.705 Level 1		
15,400.24	6,866.79	15,594.53	7,050.63	245.12	246.04	138.26	-293.86	-7,861.71	246.39	-102.89	349.28	0.705 Level 1		
15,460.11	6,866.00	15,648.52	7,050.00	246.80	247.57	138.23	-295.62	-7,915.68	246.68	-104.80	351.49	0.702 Level 1, ES, SF		
15,460.74	6,865.99	15,648.52	7,050.00	246.82	247.57	138.23	-295.62	-7,915.68	246.70	-104.76	351.47	0.702 Level 1		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	5.85	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		
300.00	299.98	299.59	299.57	3.44	3.44	-93.39	30.37	4.72	30.80	23.91	6.89	4.472		
400.00	399.84	399.15	398.99	3.60	3.60	-94.05	31.88	9.68	33.10	25.90	7.20	4.596		
500.00	499.45	498.63	498.09	3.80	3.81	-94.95	34.38	17.95	36.94	29.33	7.62	4.851		
584.50	583.35	582.61	581.48	4.01	4.03	-95.78	37.27	27.48	41.39	33.35	8.04	5.147		
600.00	598.71	598.01	596.73	4.05	4.07	-95.90	37.88	29.48	42.32	34.20	8.13	5.209		
700.00	697.81	697.23	694.73	4.33	4.39	-94.32	42.35	44.26	49.02	40.30	8.73	5.617		
800.00	796.91	803.73	791.99	4.64	4.79	-90.02	47.77	62.16	57.13	47.69	9.44	6.051		
900.00	896.01	904.22	889.50	4.98	5.22	-85.97	53.52	81.14	65.99	55.80	10.18	6.479		
1,000.00	995.11	1,004.71	987.02	5.34	5.69	-82.89	59.27	100.12	75.10	64.13	10.97	6.847		
1,100.00	1,094.21	1,105.20	1,084.54	5.71	6.18	-80.48	65.02	119.10	84.38	72.60	11.78	7.161		
1,200.00	1,193.31	1,205.68	1,182.05	6.10	6.68	-78.55	70.77	138.08	93.78	81.16	12.62	7.430		
1,300.00	1,292.41	1,306.17	1,279.57	6.49	7.21	-76.97	76.52	157.06	103.26	89.78	13.48	7.659		
1,400.00	1,391.51	1,406.66	1,377.09	6.90	7.74	-75.66	82.27	176.04	112.81	98.45	14.36	7.857		
1,500.00	1,490.61	1,507.15	1,474.60	7.31	8.29	-74.56	88.02	195.02	122.41	107.16	15.25	8.027		
1,600.00	1,589.71	1,607.63	1,572.12	7.73	8.84	-73.61	93.77	214.00	132.05	115.90	16.15	8.175		
1,700.00	1,688.81	1,691.88	1,669.63	8.16	9.31	-72.79	99.52	232.98	141.72	124.74	16.98	8.345		
1,800.00	1,787.92	1,808.61	1,767.15	8.59	9.97	-72.08	105.27	251.96	151.41	133.43	17.99	8.418		
1,900.00	1,887.02	1,890.90	1,864.67	9.02	10.44	-71.46	111.02	270.94	161.12	142.30	18.82	8.561		
2,000.00	1,986.12	2,009.58	1,962.18	9.46	11.12	-70.90	116.77	289.92	170.85	151.01	19.85	8.608		
2,100.00	2,085.22	2,089.93	2,059.70	9.90	11.58	-70.41	122.52	308.90	180.60	159.92	20.68	8.731		
2,200.00	2,184.32	2,189.44	2,157.22	10.34	12.16	-69.96	128.27	327.88	190.36	168.73	21.62	8.803		
2,300.00	2,283.42	2,288.96	2,254.73	10.78	12.73	-69.56	134.02	346.86	200.12	177.56	22.57	8.868		
2,400.00	2,382.52	2,388.47	2,352.25	11.23	13.31	-69.20	139.77	365.84	209.90	186.38	23.51	8.927		
2,500.00	2,481.62	2,487.98	2,449.77	11.68	13.90	-68.87	145.52	384.82	219.68	195.22	24.46	8.980		
2,600.00	2,580.72	2,587.49	2,547.28	12.13	14.48	-68.56	151.26	403.80	229.47	204.05	25.42	9.028		
2,700.00	2,679.82	2,687.01	2,644.80	12.58	15.07	-68.29	157.01	422.78	239.27	212.89	26.37	9.072		
2,800.00	2,778.92	2,786.52	2,742.32	13.03	15.65	-68.03	162.76	441.76	249.07	221.74	27.33	9.113		
2,900.00	2,878.02	2,886.03	2,839.83	13.48	16.24	-67.79	168.51	460.74	258.87	230.58	28.29	9.150		
3,000.00	2,977.12	2,985.54	2,937.35	13.94	16.83	-67.57	174.26	479.72	268.68	239.43	29.25	9.184		
3,100.00	3,076.22	3,085.06	3,034.87	14.39	17.42	-67.37	180.01	498.70	278.49	248.28	30.22	9.216		
3,200.00	3,175.32	3,184.57	3,132.38	14.85	18.01	-67.18	185.76	517.68	288.31	257.13	31.18	9.246		
3,300.00	3,274.43	3,284.08	3,229.90	15.30	18.60	-67.00	191.51	536.66	298.13	265.98	32.15	9.273		
3,400.00	3,373.53	3,383.59	3,327.41	15.76	19.19	-66.83	197.26	555.64	307.95	274.83	33.12	9.298		
3,500.00	3,472.63	3,483.11	3,424.93	16.22	19.79	-66.68	203.01	574.62	317.78	283.69	34.09	9.322		
3,600.00	3,571.73	3,582.62	3,522.45	16.68	20.38	-66.53	208.76	593.60	327.60	292.54	35.06	9.344		
3,700.00	3,670.83	3,682.13	3,619.96	17.14	20.97	-66.39	214.51	612.58	337.43	301.40	36.03	9.365		
3,800.00	3,769.93	3,781.64	3,717.48	17.59	21.57	-66.26	220.26	631.56	347.26	310.26	37.00	9.385		
3,900.00	3,869.03	3,881.16	3,815.00	18.05	22.16	-66.14	226.01	650.54	357.09	319.12	37.98	9.403		
4,000.00	3,968.13	3,980.67	3,912.51	18.51	22.76	-66.02	231.76	669.52	366.93	327.98	38.95	9.420		
4,100.00	4,067.23	4,080.18	4,010.03	18.98	23.35	-65.91	237.51	688.50	376.76	336.84	39.92	9.437		
4,200.00	4,166.33	4,179.70	4,107.55	19.44	23.95	-65.81	243.26	707.48	386.60	345.70	40.90	9.452		
4,300.00	4,265.43	4,279.21	4,205.06	19.90	24.54	-65.71	249.01	726.46	396.44	354.56	41.88	9.467		
4,400.00	4,364.53	4,378.72	4,302.58	20.36	25.14	-65.61	254.75	745.44	406.28	363.42	42.85	9.481		
4,500.00	4,463.63	4,478.23	4,400.10	20.82	25.74	-65.52	260.50	764.42	416.11	372.28	43.83	9.494		
4,600.00	4,562.73	4,586.73	4,506.62	21.28	26.37	-65.52	266.46	784.10	425.22	380.32	44.90	9.471		
4,700.00	4,661.83	4,699.39	4,617.95	21.75	26.97	-65.88	271.45	800.57	431.46	385.49	45.97	9.385		
4,800.00	4,760.93	4,812.16	4,729.99	22.21	27.51	-66.61	275.18	812.86	434.74	387.73	47.01	9.249		
4,900.00	4,860.04	4,924.70	4,842.20	22.67	27.99	-67.71	277.61	820.90	435.15	387.14	48.00	9.065		
5,000.00	4,959.14	5,036.66	4,954.08	23.13	28.41	-69.20	278.77	824.71	432.83	383.87	48.96	8.840		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,140.82	5,058.24	23.60	28.76	-70.91	278.87	825.06	428.47	378.55	49.93	8.582		
5,200.00	5,157.34	5,239.92	5,157.34	24.06	29.08	-72.60	278.87	825.06	424.25	373.34	50.90	8.334		
5,300.00	5,256.44	5,339.02	5,256.44	24.52	29.41	-74.33	278.87	825.06	420.41	368.52	51.88	8.103		
5,400.00	5,355.54	5,438.12	5,355.54	24.99	29.75	-76.08	278.87	825.06	416.96	364.10	52.86	7.888		
5,500.00	5,454.64	5,537.22	5,454.64	25.45	30.08	-77.87	278.87	825.06	413.92	360.08	53.83	7.689		
5,600.00	5,553.74	5,636.32	5,553.74	25.92	30.42	-79.67	278.87	825.06	411.29	356.49	54.80	7.505		
5,700.00	5,652.84	5,735.42	5,652.84	26.38	30.76	-81.50	278.87	825.06	409.08	353.31	55.77	7.336		
5,800.00	5,751.94	5,834.52	5,751.94	26.84	31.10	-83.35	278.87	825.06	407.30	350.58	56.72	7.181		
5,900.00	5,851.04	5,933.62	5,851.04	27.31	31.45	-85.21	278.87	825.06	405.95	348.28	57.67	7.039		
6,000.00	5,950.14	6,032.72	5,950.14	27.77	31.79	-87.08	278.87	825.06	405.04	346.43	58.61	6.911		
6,100.00	6,049.24	6,131.82	6,049.24	28.24	32.14	-88.95	278.87	825.06	404.58	345.03	59.54	6.794		
6,155.81	6,104.55	6,187.13	6,104.55	28.50	32.34	-90.00	278.87	825.06	404.51	344.45	60.06	6.735		
6,200.00	6,148.34	6,230.92	6,148.34	28.70	32.49	-90.83	278.87	825.06	404.55	344.08	60.47	6.690		
6,304.69	6,252.09	6,334.67	6,252.09	29.19	32.86	-92.79	278.87	825.06	405.00	343.58	61.42	6.594		
6,350.00	6,297.17	6,379.75	6,297.17	29.39	33.02	-105.54	278.87	825.06	405.56	343.74	61.82	6.561		
6,400.00	6,347.13	6,429.71	6,347.13	29.59	33.20	152.74	278.87	825.06	406.70	344.50	62.21	6.538		
6,450.00	6,397.02	6,479.95	6,397.02	29.78	33.38	112.79	278.87	825.05	408.37	345.81	62.56	6.528		
6,500.00	6,446.53	6,534.89	6,446.53	29.96	33.55	106.64	278.76	822.34	410.25	347.38	62.86	6.526		
6,550.00	6,495.35	6,590.27	6,507.08	30.14	33.68	104.48	278.46	814.84	412.07	348.94	63.14	6.527		
6,600.00	6,543.19	6,646.04	6,561.45	30.33	33.79	103.47	277.95	802.51	413.81	350.44	63.37	6.530		
6,650.00	6,589.76	6,702.17	6,614.86	30.52	33.88	102.92	277.25	785.34	415.45	351.87	63.58	6.535		
6,700.00	6,634.75	6,758.61	6,666.84	30.71	33.95	102.59	276.36	763.41	416.97	353.20	63.76	6.539		
6,750.00	6,677.90	6,815.31	6,716.89	30.91	34.00	102.34	275.28	736.84	418.34	354.40	63.94	6.543		
6,800.00	6,718.94	6,872.20	6,764.54	31.13	34.05	102.14	274.01	705.80	419.55	355.43	64.12	6.543		
6,850.00	6,757.62	6,929.24	6,809.33	31.36	34.11	101.94	272.58	670.55	420.59	356.26	64.34	6.537		
6,900.00	6,793.70	6,986.36	6,850.84	31.61	34.18	101.72	270.98	631.39	421.45	356.86	64.60	6.525		
6,950.00	6,826.95	7,043.48	6,888.68	31.88	34.29	101.47	269.24	588.65	422.13	357.20	64.92	6.502		
7,000.00	6,857.18	7,100.56	6,922.51	32.19	34.43	101.19	267.37	542.74	422.61	357.26	65.34	6.467		
7,050.00	6,884.18	7,157.52	6,952.03	32.52	34.63	100.86	265.38	494.09	422.90	357.02	65.88	6.419		
7,100.00	6,907.81	7,214.30	6,977.01	32.90	34.90	100.49	263.31	443.16	423.00	356.46	66.54	6.357		
7,150.00	6,927.91	7,270.85	6,997.28	33.32	35.23	100.08	261.16	390.43	422.92	355.58	67.34	6.280		
7,200.00	6,944.36	7,327.11	7,012.72	33.77	35.64	99.62	258.96	336.40	422.68	354.41	68.27	6.191		
7,250.00	6,957.05	7,383.02	7,023.27	34.27	36.11	99.12	256.72	281.55	422.27	352.94	69.33	6.091		
7,300.00	6,965.92	7,438.56	7,028.95	34.80	36.64	98.58	254.47	226.37	421.73	351.22	70.51	5.981		
7,350.00	6,970.89	7,507.24	7,029.89	35.37	37.39	98.03	252.27	172.24	421.06	349.12	71.94	5.853		
7,396.89	6,972.00	7,539.61	7,029.31	35.93	37.80	97.83	250.36	125.43	420.68	347.72	72.95	5.766		
7,400.00	6,971.96	7,542.72	7,029.28	35.97	37.84	97.83	250.23	122.32	420.66	347.63	73.03	5.760		
7,500.00	6,970.65	7,642.72	7,028.04	37.28	39.23	97.85	246.16	22.41	420.25	344.53	75.72	5.550		
7,600.00	6,969.33	7,742.71	7,026.81	38.76	40.84	97.87	242.09	-77.49	419.84	341.04	78.80	5.328		
7,700.00	6,968.02	7,842.71	7,025.57	40.39	42.65	97.89	238.02	-177.40	419.43	337.22	82.21	5.102		
7,800.00	6,966.70	7,942.71	7,024.34	42.15	44.63	97.91	233.95	-277.31	419.02	333.09	85.92	4.877		
7,900.00	6,965.39	8,042.71	7,023.11	44.02	46.77	97.93	229.88	-377.22	418.60	328.71	89.90	4.656		
8,000.00	6,964.07	8,142.71	7,021.87	45.99	49.04	97.95	225.81	-477.13	418.19	324.09	94.10	4.444		
8,100.00	6,962.76	8,242.71	7,020.64	48.05	51.42	97.97	221.73	-577.04	417.78	319.28	98.50	4.241		
8,200.00	6,961.45	8,342.71	7,019.41	50.19	53.90	97.99	217.66	-676.95	417.37	314.29	103.08	4.049		
8,300.00	6,960.13	8,442.71	7,018.17	52.39	56.47	98.01	213.59	-776.85	416.96	309.15	107.81	3.868		
8,400.00	6,958.82	8,542.71	7,016.94	54.65	59.11	98.02	209.52	-876.76	416.55	303.88	112.66	3.697		
8,500.00	6,957.50	8,642.71	7,015.71	56.97	61.82	98.04	205.45	-976.67	416.14	298.50	117.64	3.537		
8,600.00	6,956.19	8,742.70	7,014.47	59.33	64.59	98.06	201.38	-1,076.58	415.73	293.01	122.71	3.388		
8,700.00	6,954.87	8,842.70	7,013.24	61.73	67.40	98.08	197.31	-1,176.49	415.31	287.44	127.88	3.248		
8,800.00	6,953.56	8,942.70	7,012.00	64.16	70.26	98.10	193.23	-1,276.40	414.90	281.78	133.12	3.117		
8,900.00	6,952.24	9,042.70	7,010.77	66.63	73.16	98.12	189.16	-1,376.30	414.49	276.06	138.43	2.994		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	9,142.70	7,009.54	69.13	76.09	98.14	185.09	-1,476.21	414.08	270.27	143.81	2.879		
9,100.00	6,949.61	9,242.70	7,008.30	71.65	79.05	98.16	181.02	-1,576.12	413.67	264.43	149.23	2.772		
9,200.00	6,948.30	9,342.70	7,007.07	74.20	82.04	98.18	176.95	-1,676.03	413.26	258.55	154.71	2.671		
9,300.00	6,946.98	9,442.70	7,005.84	76.77	85.06	98.20	172.88	-1,775.94	412.85	252.61	160.23	2.577		
9,400.00	6,945.67	9,542.70	7,004.60	79.35	88.09	98.22	168.81	-1,875.85	412.44	246.64	165.80	2.488		
9,500.00	6,944.35	9,642.70	7,003.37	81.95	91.15	98.24	164.73	-1,975.76	412.03	240.63	171.39	2.404		
9,600.00	6,943.04	9,742.70	7,002.13	84.57	94.22	98.26	160.66	-2,075.66	411.62	234.59	177.02	2.325		
9,700.00	6,941.73	9,842.69	7,000.90	87.21	97.31	98.28	156.59	-2,175.57	411.20	228.52	182.68	2.251		
9,800.00	6,940.41	9,942.69	6,999.67	89.85	100.41	98.30	152.52	-2,275.48	410.79	222.43	188.37	2.181		
9,900.00	6,939.10	10,042.69	6,998.43	92.51	103.53	98.32	148.45	-2,375.39	410.38	216.31	194.07	2.115		
10,000.00	6,937.78	10,142.69	6,997.20	95.17	106.66	98.34	144.38	-2,475.30	409.97	210.17	199.81	2.052		
10,100.00	6,936.47	10,242.69	6,995.97	97.85	109.80	98.36	140.30	-2,575.21	409.56	204.01	205.56	1.992		
10,200.00	6,935.15	10,342.69	6,994.73	100.54	112.95	98.38	136.23	-2,675.12	409.15	197.83	211.33	1.936		
10,300.00	6,933.84	10,442.69	6,993.50	103.23	116.11	98.40	132.16	-2,775.02	408.74	191.63	217.11	1.883		
10,400.00	6,932.52	10,542.69	6,992.27	105.93	119.27	98.42	128.09	-2,874.93	408.33	185.42	222.91	1.832		
10,500.00	6,931.21	10,642.69	6,991.03	108.64	122.45	98.44	124.02	-2,974.84	407.92	179.19	228.73	1.783		
10,600.00	6,929.89	10,742.69	6,989.80	111.36	125.63	98.46	119.95	-3,074.75	407.51	172.95	234.56	1.737		
10,700.00	6,928.58	10,842.69	6,988.56	114.08	128.82	98.48	115.88	-3,174.66	407.10	166.70	240.40	1.693		
10,800.00	6,927.26	10,942.68	6,987.33	116.81	132.02	98.50	111.80	-3,274.57	406.69	160.44	246.25	1.652		
10,900.00	6,925.95	11,042.68	6,986.10	119.54	135.22	98.52	107.73	-3,374.48	406.28	154.17	252.11	1.611		
11,000.00	6,924.64	11,142.68	6,984.86	122.28	138.43	98.54	103.66	-3,474.38	405.87	147.88	257.99	1.573		
11,100.00	6,923.32	11,242.68	6,983.63	125.02	141.64	98.56	99.59	-3,574.29	405.46	141.59	263.87	1.537		
11,200.00	6,922.01	11,342.68	6,982.40	127.77	144.85	98.58	95.52	-3,674.20	405.05	135.29	269.76	1.502		
11,300.00	6,920.69	11,442.68	6,981.16	130.52	148.08	98.60	91.45	-3,774.11	404.64	128.99	275.65	1.468 Level 3		
11,400.00	6,919.38	11,542.68	6,979.93	133.28	151.30	98.62	87.38	-3,874.02	404.23	122.67	281.56	1.436 Level 3		
11,500.00	6,918.06	11,642.68	6,978.70	136.04	154.53	98.64	83.30	-3,973.93	403.82	116.35	287.47	1.405 Level 3		
11,600.00	6,916.75	11,742.68	6,977.46	138.80	157.76	98.66	79.23	-4,073.83	403.41	110.03	293.39	1.375 Level 3		
11,700.00	6,915.43	11,842.68	6,976.23	141.56	161.00	98.68	75.16	-4,173.74	403.00	103.69	299.31	1.346 Level 3		
11,800.00	6,914.12	11,942.67	6,974.99	144.33	164.24	98.70	71.09	-4,273.65	402.59	97.35	305.24	1.319 Level 3		
11,900.00	6,912.80	12,042.67	6,973.76	147.10	167.48	98.72	67.02	-4,373.56	402.18	91.01	311.17	1.292 Level 3		
12,000.00	6,911.49	12,142.67	6,972.53	149.88	170.73	98.74	62.95	-4,473.47	401.77	84.66	317.11	1.267 Level 3		
12,100.00	6,910.17	12,242.67	6,971.29	152.65	173.98	98.76	58.88	-4,573.38	401.36	78.31	323.05	1.242 Level 2		
12,200.00	6,908.86	12,342.67	6,970.06	155.43	177.23	98.78	54.80	-4,673.29	400.95	71.95	329.00	1.219 Level 2		
12,300.00	6,907.54	12,442.67	6,968.83	158.21	180.48	98.80	50.73	-4,773.19	400.54	65.59	334.95	1.196 Level 2		
12,400.00	6,906.23	12,542.67	6,967.59	160.99	183.74	98.83	46.66	-4,873.10	400.14	59.23	340.91	1.174 Level 2		
12,500.00	6,904.92	12,642.67	6,966.36	163.78	186.99	98.85	42.59	-4,973.01	399.73	52.86	346.86	1.152 Level 2		
12,600.00	6,903.60	12,742.67	6,965.13	166.57	190.25	98.87	38.52	-5,072.92	399.32	46.49	352.82	1.132 Level 2		
12,700.00	6,902.29	12,842.67	6,963.89	169.35	193.51	98.89	34.45	-5,172.83	398.91	40.12	358.79	1.112 Level 2		
12,800.00	6,900.97	12,942.67	6,962.66	172.14	196.78	98.91	30.37	-5,272.74	398.50	33.74	364.76	1.093 Level 2		
12,900.00	6,899.66	13,042.66	6,961.42	174.94	200.04	98.93	26.30	-5,372.65	398.09	27.36	370.73	1.074 Level 2		
13,000.00	6,898.34	13,142.66	6,960.19	177.73	203.31	98.95	22.23	-5,472.55	397.68	20.98	376.70	1.056 Level 2		
13,100.00	6,897.03	13,242.66	6,958.96	180.53	206.58	98.97	18.16	-5,572.46	397.27	14.60	382.67	1.038 Level 2		
13,200.00	6,895.71	13,342.66	6,957.72	183.32	209.85	98.99	14.09	-5,672.37	396.86	8.21	388.65	1.021 Level 2		
13,300.00	6,894.40	13,442.66	6,956.49	186.12	213.12	99.01	10.02	-5,772.28	396.45	1.82	394.63	1.005 Level 2		
13,400.00	6,893.08	13,542.66	6,955.26	188.92	216.39	99.04	5.95	-5,872.19	396.04	-4.56	400.61	0.989 Level 1		
13,500.00	6,891.77	13,642.66	6,954.02	191.72	219.67	99.06	1.87	-5,972.10	395.64	-10.96	406.59	0.973 Level 1		
13,600.00	6,890.45	13,742.66	6,952.79	194.52	222.94	99.08	-2.20	-6,072.01	395.23	-17.35	412.58	0.958 Level 1		
13,700.00	6,889.14	13,842.66	6,951.56	197.32	226.22	99.10	-6.27	-6,171.91	394.82	-23.74	418.56	0.943 Level 1		
13,800.00	6,887.82	13,942.66	6,950.32	200.13	229.49	99.12	-10.34	-6,271.82	394.41	-30.14	424.55	0.929 Level 1		
13,900.00	6,886.51	14,042.66	6,949.09	202.93	232.77	99.14	-14.41	-6,371.73	394.00	-36.54	430.54	0.915 Level 1		
14,000.00	6,885.20	14,142.65	6,947.85	205.74	236.05	99.16	-18.48	-6,471.64	393.59	-42.94	436.53	0.902 Level 1		
14,100.00	6,883.88	14,242.65	6,946.62	208.55	239.33	99.19	-22.55	-6,571.55	393.18	-49.33	442.52	0.889 Level 1		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	14,342.65	6,945.39	211.35	242.62	99.21	-26.63	-6,671.46	392.78	-55.74	448.51	0.876	Level 1	
14,300.00	6,881.25	14,442.65	6,944.15	214.16	245.90	99.23	-30.70	-6,771.37	392.37	-62.14	454.50	0.863	Level 1	
14,400.00	6,879.94	14,542.65	6,942.92	216.97	249.18	99.25	-34.77	-6,871.27	391.96	-68.54	460.50	0.851	Level 1	
14,500.00	6,878.62	14,642.65	6,941.69	219.78	252.47	99.27	-38.84	-6,971.18	391.55	-74.94	466.49	0.839	Level 1	
14,600.00	6,877.31	14,742.65	6,940.45	222.59	255.75	99.29	-42.91	-7,071.09	391.14	-81.35	472.49	0.828	Level 1	
14,700.00	6,875.99	14,842.65	6,939.22	225.41	259.04	99.32	-46.98	-7,171.00	390.74	-87.75	478.49	0.817	Level 1	
14,800.00	6,874.68	14,942.65	6,937.98	228.22	262.33	99.34	-51.05	-7,270.91	390.33	-94.16	484.48	0.806	Level 1	
14,900.00	6,873.36	15,042.65	6,936.75	231.03	265.61	99.36	-55.13	-7,370.82	389.92	-100.56	490.48	0.795	Level 1	
15,000.00	6,872.05	15,142.64	6,935.52	233.85	268.90	99.38	-59.20	-7,470.72	389.51	-106.97	496.48	0.785	Level 1	
15,100.00	6,870.73	15,242.64	6,934.28	236.66	272.19	99.40	-63.27	-7,570.63	389.10	-113.38	502.48	0.774	Level 1	
15,200.00	6,869.42	15,342.64	6,933.05	239.48	275.48	99.43	-67.34	-7,670.54	388.70	-119.78	508.48	0.764	Level 1	
15,300.00	6,868.11	15,442.64	6,931.82	242.29	278.77	99.45	-71.41	-7,770.45	388.29	-126.19	514.48	0.755	Level 1	
15,400.00	6,866.79	15,542.64	6,930.58	245.11	282.06	99.47	-75.48	-7,870.36	387.88	-132.60	520.48	0.745	Level 1	
15,454.45	6,866.07	15,597.09	6,929.91	246.64	283.85	99.48	-77.70	-7,924.76	387.66	-136.09	523.75	0.740	Level 1, ES, SF	
15,460.11	6,866.00	15,589.88	6,930.00	246.80	283.62	99.48	-77.41	-7,917.56	387.85	-135.59	523.44	0.741	Level 1	
15,460.74	6,865.99	15,589.88	6,930.00	246.82	283.62	99.48	-77.41	-7,917.56	387.87	-135.57	523.43	0.741	Level 1	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-44.81	-4.18	45.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-44.81	-4.18	45.00	38.43	6.57	6.850		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-44.81	-4.18	45.00	38.33	6.67	6.743		
300.00	299.98	299.98	299.98	3.44	3.44	88.55	-44.81	-4.18	44.92	38.04	6.89	6.523		
308.84	308.81	308.81	308.81	3.45	3.46	88.96	-44.81	-4.18	44.92	38.01	6.91	6.500 CC, ES		
400.00	399.84	398.98	398.96	3.60	3.60	93.31	-46.04	-2.99	46.03	38.83	7.19	6.398		
500.00	499.45	497.97	497.82	3.80	3.79	98.28	-49.73	0.57	49.60	42.01	7.59	6.535		
584.50	583.35	581.57	581.12	4.01	3.98	102.12	-54.75	5.43	54.58	46.59	7.99	6.830		
600.00	598.71	596.90	596.37	4.05	4.02	102.74	-55.87	6.50	55.67	47.60	8.07	6.899		
700.00	697.81	695.77	694.51	4.33	4.28	104.57	-64.44	14.78	63.61	54.99	8.62	7.378		
800.00	796.91	794.47	792.02	4.64	4.58	103.48	-75.43	25.39	72.88	63.65	9.24	7.890		
900.00	896.01	906.05	890.04	4.98	4.96	101.64	-87.61	37.15	82.82	72.88	9.94	8.328		
1,000.00	995.11	1,006.58	988.07	5.34	5.33	100.19	-99.79	48.92	92.83	82.17	10.66	8.710		
1,100.00	1,094.21	1,107.11	1,086.09	5.71	5.71	99.03	-111.97	60.68	102.89	91.48	11.40	9.022		
1,200.00	1,193.31	1,207.63	1,184.11	6.10	6.11	98.07	-124.14	72.44	112.98	100.80	12.18	9.277		
1,300.00	1,292.41	1,308.16	1,282.13	6.49	6.52	97.27	-136.32	84.20	123.09	110.12	12.97	9.488		
1,400.00	1,391.51	1,408.69	1,380.15	6.90	6.95	96.59	-148.50	95.96	133.23	119.44	13.79	9.663		
1,500.00	1,490.61	1,509.21	1,478.18	7.31	7.38	96.01	-160.68	107.72	143.38	128.76	14.62	9.808		
1,600.00	1,589.71	1,609.74	1,576.20	7.73	7.82	95.50	-172.86	119.48	153.54	138.08	15.46	9.931		
1,700.00	1,688.81	1,689.74	1,674.22	8.16	8.17	95.06	-185.04	131.25	163.72	147.49	16.23	10.090		
1,800.00	1,787.92	1,789.21	1,772.24	8.59	8.62	94.67	-197.22	143.01	173.90	156.82	17.08	10.180		
1,900.00	1,887.02	1,888.68	1,870.26	9.02	9.06	94.32	-209.40	154.77	184.09	166.14	17.95	10.257		
2,000.00	1,986.12	1,988.16	1,968.29	9.46	9.52	94.01	-221.58	166.53	194.29	175.47	18.82	10.323		
2,100.00	2,085.22	2,087.63	2,066.31	9.90	9.97	93.73	-233.76	178.29	204.49	184.79	19.70	10.380		
2,200.00	2,184.32	2,187.10	2,164.33	10.34	10.43	93.47	-245.94	190.05	214.69	194.11	20.58	10.430		
2,300.00	2,283.42	2,286.58	2,262.35	10.78	10.89	93.24	-258.12	201.81	224.90	203.43	21.47	10.474		
2,400.00	2,382.52	2,386.05	2,360.37	11.23	11.36	93.03	-270.30	213.58	235.12	212.75	22.36	10.513		
2,500.00	2,481.62	2,485.52	2,458.40	11.68	11.82	92.84	-282.48	225.34	245.33	222.07	23.26	10.547		
2,600.00	2,580.72	2,585.00	2,556.42	12.13	12.29	92.66	-294.66	237.10	255.55	231.39	24.16	10.577		
2,700.00	2,679.82	2,684.47	2,654.44	12.58	12.76	92.50	-306.84	248.86	265.77	240.71	25.06	10.604		
2,800.00	2,778.92	2,783.94	2,752.46	13.03	13.23	92.35	-319.02	260.62	275.99	250.03	25.97	10.629		
2,900.00	2,878.02	2,883.42	2,850.48	13.48	13.70	92.20	-331.19	272.38	286.22	259.34	26.87	10.650		
3,000.00	2,977.12	2,982.89	2,948.51	13.94	14.17	92.07	-343.37	284.15	296.44	268.66	27.78	10.670		
3,100.00	3,076.22	3,082.36	3,046.53	14.39	14.64	91.95	-355.55	295.91	306.67	277.98	28.69	10.688		
3,200.00	3,175.32	3,181.84	3,144.55	14.85	15.12	91.84	-367.73	307.67	316.90	287.29	29.61	10.704		
3,300.00	3,274.43	3,281.31	3,242.57	15.30	15.59	91.73	-379.91	319.43	327.13	296.61	30.52	10.718		
3,400.00	3,373.53	3,380.79	3,340.59	15.76	16.07	91.63	-392.09	331.19	337.36	305.92	31.44	10.731		
3,500.00	3,472.63	3,480.26	3,438.62	16.22	16.54	91.53	-404.27	342.95	347.59	315.24	32.35	10.744		
3,600.00	3,571.73	3,579.73	3,536.64	16.68	17.02	91.44	-416.45	354.71	357.83	324.55	33.27	10.755		
3,700.00	3,670.83	3,679.21	3,634.66	17.14	17.50	91.36	-428.63	366.48	368.06	333.87	34.19	10.765		
3,800.00	3,769.93	3,778.68	3,732.68	17.59	17.98	91.28	-440.81	378.24	378.29	343.18	35.11	10.774		
3,900.00	3,869.03	3,878.15	3,830.71	18.05	18.45	91.20	-452.99	390.00	388.53	352.50	36.03	10.783		
4,000.00	3,968.13	3,977.63	3,928.73	18.51	18.93	91.13	-465.17	401.76	398.76	361.81	36.95	10.791		
4,100.00	4,067.23	4,077.10	4,026.75	18.98	19.41	91.06	-477.35	413.52	409.00	371.12	37.88	10.798		
4,200.00	4,166.33	4,176.57	4,124.77	19.44	19.89	91.00	-489.53	425.28	419.24	380.44	38.80	10.805		
4,300.00	4,265.43	4,276.05	4,222.79	19.90	20.37	90.94	-501.71	437.04	429.47	389.75	39.73	10.811		
4,400.00	4,364.53	4,375.52	4,320.82	20.36	20.85	90.88	-513.89	448.81	439.71	399.06	40.65	10.817		
4,500.00	4,463.63	4,474.99	4,418.84	20.82	21.33	90.82	-526.06	460.57	449.95	408.37	41.58	10.822		
4,600.00	4,562.73	4,574.47	4,516.86	21.28	21.81	90.77	-538.24	472.33	460.19	417.69	42.50	10.827		
4,700.00	4,661.83	4,673.94	4,614.88	21.75	22.30	90.72	-550.42	484.09	470.43	427.00	43.43	10.832		
4,800.00	4,760.93	4,773.42	4,712.90	22.21	22.78	90.67	-562.60	495.85	480.67	436.31	44.36	10.837		
4,900.00	4,860.04	4,872.89	4,810.93	22.67	23.26	90.62	-574.78	507.61	490.91	445.62	45.28	10.841		

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 13N-6B-M
<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 13N-6B-M	<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		
5,000.00	4,959.14	4,972.36	4,908.95	23.13	23.74	90.57	-586.96	519.38	501.15	454.94	46.21	10.845		
5,100.00	5,058.24	5,071.84	5,006.97	23.60	24.22	90.53	-599.14	531.14	511.39	464.25	47.14	10.848		
5,200.00	5,157.34	5,171.31	5,104.99	24.06	24.71	90.49	-611.32	542.90	521.63	473.56	48.07	10.852		
5,300.00	5,256.44	5,270.78	5,203.01	24.52	25.19	90.45	-623.50	554.66	531.87	482.87	49.00	10.855		
5,400.00	5,355.54	5,370.26	5,301.04	24.99	25.67	90.41	-635.68	566.42	542.11	492.18	49.93	10.858		
5,500.00	5,454.64	5,469.73	5,399.06	25.45	26.15	90.37	-647.86	578.18	552.35	501.49	50.86	10.861		
5,600.00	5,553.74	5,569.20	5,497.08	25.92	26.64	90.34	-660.04	589.94	562.59	510.80	51.79	10.863		
5,700.00	5,652.84	5,668.68	5,595.10	26.38	27.12	90.30	-672.22	601.71	572.83	520.12	52.72	10.866		
5,800.00	5,751.94	5,768.15	5,693.12	26.84	27.60	90.27	-684.40	613.47	583.08	529.43	53.65	10.868		
5,900.00	5,851.04	5,867.62	5,791.15	27.31	28.09	90.24	-696.58	625.23	593.32	538.74	54.58	10.871		
6,000.00	5,950.14	5,967.10	5,889.17	27.77	28.57	90.21	-708.76	636.99	603.56	548.05	55.51	10.873		
6,100.00	6,049.24	6,066.57	5,987.19	28.24	29.05	90.18	-720.94	648.75	613.80	557.36	56.44	10.875		
6,200.00	6,148.34	6,166.05	6,085.21	28.70	29.54	90.15	-733.11	660.51	624.05	566.67	57.38	10.877		
6,304.69	6,252.09	6,270.18	6,187.83	29.19	30.04	90.12	-745.86	672.83	634.77	576.42	58.35	10.879		
6,350.00	6,297.17	6,315.25	6,232.23	29.39	30.26	78.27	-751.38	678.15	639.09	580.33	58.76	10.876		
6,400.00	6,347.13	6,364.76	6,281.03	29.59	30.51	-23.30	-757.44	684.01	643.15	583.97	59.18	10.868		
6,450.00	6,397.02	6,413.76	6,329.31	29.78	30.74	-64.00	-763.44	689.80	646.51	586.95	59.57	10.854		
6,500.00	6,446.53	6,461.94	6,376.79	29.96	30.98	-71.46	-769.34	695.50	649.34	589.40	59.94	10.833		
6,550.00	6,495.35	6,509.01	6,423.17	30.14	31.21	-75.20	-775.11	701.06	651.82	591.53	60.29	10.811		
6,600.00	6,543.19	6,554.67	6,468.16	30.33	31.43	-77.97	-780.70	706.46	654.23	593.59	60.63	10.790		
6,650.00	6,589.76	6,597.75	6,510.63	30.52	31.64	-80.33	-785.98	711.38	656.87	595.92	60.95	10.777		
6,700.00	6,634.75	6,639.55	6,552.03	30.71	31.83	-82.39	-791.17	713.96	660.11	598.86	61.26	10.776		
6,750.00	6,677.90	6,682.70	6,594.82	30.91	32.01	-84.30	-796.61	713.74	664.03	602.45	61.58	10.783		
6,800.00	6,718.94	6,727.38	6,639.01	31.13	32.18	-86.13	-802.29	710.44	668.64	606.72	61.93	10.797		
6,850.00	6,757.62	6,773.83	6,684.57	31.36	32.35	-87.91	-808.22	703.71	673.94	611.64	62.30	10.819		
6,900.00	6,793.70	6,822.31	6,731.46	31.61	32.51	-89.65	-814.40	693.14	679.90	617.22	62.68	10.847		
6,950.00	6,826.95	6,873.13	6,779.61	31.88	32.68	-91.37	-820.84	678.22	686.47	623.41	63.07	10.884		
7,000.00	6,857.18	6,926.66	6,828.85	32.19	32.85	-93.08	-827.53	658.37	693.60	630.15	63.45	10.932		
7,050.00	6,884.18	6,983.30	6,878.95	32.52	33.02	-94.80	-834.45	632.91	701.18	637.38	63.80	10.991		
7,100.00	6,907.81	7,043.52	6,929.51	32.90	33.21	-96.51	-841.57	601.03	709.07	644.97	64.10	11.061		
7,150.00	6,927.91	7,107.83	6,979.93	33.32	33.41	-98.24	-848.83	561.83	717.13	652.76	64.36	11.142		
7,200.00	6,944.36	7,176.75	7,029.30	33.77	33.64	-99.96	-856.15	514.34	725.14	660.55	64.59	11.227		
7,250.00	6,957.05	7,250.80	7,076.32	34.27	33.92	-101.66	-863.37	457.64	732.86	668.05	64.82	11.307		
7,300.00	6,965.92	7,330.41	7,119.19	34.80	34.28	-103.31	-870.28	390.98	740.02	674.89	65.13	11.362		
7,350.00	6,970.89	7,415.81	7,155.61	35.37	34.77	-104.87	-876.60	314.07	746.29	680.66	65.63	11.371		
7,396.89	6,972.00	7,501.09	7,181.45	35.93	35.39	-106.19	-881.67	233.02	751.07	684.68	66.39	11.314		
7,400.00	6,971.96	7,506.91	7,182.82	35.97	35.44	-106.29	-881.96	227.37	751.34	684.89	66.45	11.307		
7,500.00	6,970.65	7,685.63	7,199.68	37.28	37.19	-107.70	-888.02	50.11	753.94	684.49	69.45	10.855		
7,600.00	6,969.33	7,785.62	7,197.86	38.76	38.43	-107.70	-889.99	-49.84	752.20	680.07	72.13	10.429		
7,700.00	6,968.02	7,885.60	7,196.04	40.39	39.85	-107.71	-891.97	-149.79	750.45	675.36	75.10	9.993		
7,800.00	6,966.70	7,985.59	7,194.23	42.15	41.43	-107.71	-893.94	-249.74	748.71	670.38	78.33	9.558		
7,900.00	6,965.39	8,085.57	7,192.41	44.02	43.15	-107.71	-895.92	-349.69	746.97	665.16	81.81	9.131		
8,000.00	6,964.07	8,185.56	7,190.59	45.99	44.98	-107.71	-897.90	-449.63	745.22	659.74	85.49	8.718		
8,100.00	6,962.76	8,285.54	7,188.78	48.05	46.92	-107.72	-899.87	-549.58	743.48	654.13	89.35	8.321		
8,200.00	6,961.45	8,385.53	7,186.96	50.19	48.95	-107.72	-901.85	-649.53	741.74	648.37	93.37	7.944		
8,300.00	6,960.13	8,485.51	7,185.14	52.39	51.06	-107.72	-903.82	-749.48	740.00	642.47	97.53	7.587		
8,400.00	6,958.82	8,585.50	7,183.33	54.65	53.24	-107.72	-905.80	-849.43	738.25	636.44	101.81	7.251		
8,500.00	6,957.50	8,685.48	7,181.51	56.97	55.48	-107.73	-907.78	-949.38	736.51	630.31	106.20	6.935		
8,600.00	6,956.19	8,785.47	7,179.69	59.33	57.77	-107.73	-909.75	-1,049.33	734.77	624.08	110.69	6.638		
8,700.00	6,954.87	8,885.45	7,177.87	61.73	60.12	-107.73	-911.73	-1,149.28	733.02	617.77	115.26	6.360		
8,800.00	6,953.56	8,985.43	7,176.06	64.16	62.50	-107.73	-913.70	-1,249.22	731.28	611.38	119.90	6.099		
8,900.00	6,952.24	9,085.42	7,174.24	66.63	64.92	-107.73	-915.68	-1,349.17	729.54	604.93	124.61	5.855		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	9,185.40	7,172.42	69.13	67.38	-107.74	-917.65	-1,449.12	727.80	598.42	129.38	5.625		
9,100.00	6,949.61	9,285.39	7,170.61	71.65	69.86	-107.74	-919.63	-1,549.07	726.05	591.86	134.20	5.410		
9,200.00	6,948.30	9,385.37	7,168.79	74.20	72.38	-107.74	-921.61	-1,649.02	724.31	585.25	139.06	5.209		
9,300.00	6,946.98	9,485.36	7,166.97	76.77	74.91	-107.74	-923.58	-1,748.97	722.57	578.60	143.97	5.019		
9,400.00	6,945.67	9,585.34	7,165.16	79.35	77.47	-107.75	-925.56	-1,848.92	720.82	571.91	148.92	4.840		
9,500.00	6,944.35	9,685.33	7,163.34	81.95	80.05	-107.75	-927.53	-1,948.87	719.08	565.18	153.90	4.672		
9,600.00	6,943.04	9,785.31	7,161.52	84.57	82.64	-107.75	-929.51	-2,048.81	717.34	558.43	158.91	4.514		
9,700.00	6,941.73	9,885.30	7,159.71	87.21	85.25	-107.75	-931.49	-2,148.76	715.59	551.65	163.95	4.365		
9,800.00	6,940.41	9,985.28	7,157.89	89.85	87.88	-107.76	-933.46	-2,248.71	713.85	544.84	169.01	4.224		
9,900.00	6,939.10	10,085.27	7,156.07	92.51	90.52	-107.76	-935.44	-2,348.66	712.11	538.01	174.10	4.090		
10,000.00	6,937.78	10,185.25	7,154.26	95.17	93.17	-107.76	-937.41	-2,448.61	710.37	531.15	179.21	3.964		
10,100.00	6,936.47	10,285.24	7,152.44	97.85	95.83	-107.76	-939.39	-2,548.56	708.62	524.28	184.34	3.844		
10,200.00	6,935.15	10,385.22	7,150.62	100.54	98.51	-107.77	-941.37	-2,648.51	706.88	517.39	189.49	3.730		
10,300.00	6,933.84	10,485.21	7,148.80	103.23	101.19	-107.77	-943.34	-2,748.46	705.14	510.49	194.65	3.623		
10,400.00	6,932.52	10,585.19	7,146.99	105.93	103.88	-107.77	-945.32	-2,848.41	703.39	503.56	199.83	3.520		
10,500.00	6,931.21	10,685.18	7,145.17	108.64	106.58	-107.77	-947.29	-2,948.35	701.65	496.63	205.02	3.422		
10,600.00	6,929.89	10,785.16	7,143.35	111.36	109.29	-107.78	-949.27	-3,048.30	699.91	489.68	210.23	3.329		
10,700.00	6,928.58	10,885.15	7,141.54	114.08	112.00	-107.78	-951.25	-3,148.25	698.17	482.72	215.45	3.241		
10,800.00	6,927.26	10,985.13	7,139.72	116.81	114.72	-107.78	-953.22	-3,248.20	696.42	475.75	220.68	3.156		
10,900.00	6,925.95	11,085.12	7,137.90	119.54	117.45	-107.78	-955.20	-3,348.15	694.68	468.76	225.92	3.075		
11,000.00	6,924.64	11,185.10	7,136.09	122.28	120.18	-107.79	-957.17	-3,448.10	692.94	461.77	231.16	2.998		
11,100.00	6,923.32	11,285.09	7,134.27	125.02	122.92	-107.79	-959.15	-3,548.05	691.19	454.77	236.42	2.924		
11,200.00	6,922.01	11,385.07	7,132.45	127.77	125.66	-107.79	-961.12	-3,648.00	689.45	447.76	241.69	2.853		
11,300.00	6,920.69	11,485.05	7,130.64	130.52	128.41	-107.79	-963.10	-3,747.94	687.71	440.74	246.96	2.785		
11,400.00	6,919.38	11,585.04	7,128.82	133.28	131.16	-107.80	-965.08	-3,847.89	685.96	433.72	252.25	2.719		
11,500.00	6,918.06	11,685.02	7,127.00	136.04	133.92	-107.80	-967.05	-3,947.84	684.22	426.69	257.53	2.657		
11,600.00	6,916.75	11,785.01	7,125.18	138.80	136.68	-107.80	-969.03	-4,047.79	682.48	419.65	262.83	2.597		
11,700.00	6,915.43	11,884.99	7,123.37	141.56	139.44	-107.80	-971.00	-4,147.74	680.74	412.61	268.13	2.539		
11,800.00	6,914.12	11,984.98	7,121.55	144.33	142.21	-107.81	-972.98	-4,247.69	678.99	405.56	273.44	2.483		
11,900.00	6,912.80	12,084.96	7,119.73	147.10	144.97	-107.81	-974.96	-4,347.64	677.25	398.50	278.75	2.430		
12,000.00	6,911.49	12,184.95	7,117.92	149.88	147.75	-107.81	-976.93	-4,447.59	675.51	391.44	284.07	2.378		
12,100.00	6,910.17	12,284.93	7,116.10	152.65	150.52	-107.81	-978.91	-4,547.53	673.76	384.38	289.39	2.328		
12,200.00	6,908.86	12,384.92	7,114.28	155.43	153.30	-107.82	-980.88	-4,647.48	672.02	377.31	294.71	2.280		
12,300.00	6,907.54	12,484.90	7,112.47	158.21	156.08	-107.82	-982.86	-4,747.43	670.28	370.23	300.05	2.234		
12,400.00	6,906.23	12,584.89	7,110.65	160.99	158.86	-107.82	-984.84	-4,847.38	668.54	363.16	305.38	2.189		
12,500.00	6,904.92	12,684.87	7,108.83	163.78	161.65	-107.83	-986.81	-4,947.33	666.79	356.07	310.72	2.146		
12,600.00	6,903.60	12,784.86	7,107.02	166.57	164.43	-107.83	-988.79	-5,047.28	665.05	348.99	316.06	2.104		
12,700.00	6,902.29	12,884.84	7,105.20	169.35	167.22	-107.83	-990.76	-5,147.23	663.31	341.90	321.41	2.064		
12,800.00	6,900.97	12,984.83	7,103.38	172.14	170.01	-107.83	-992.74	-5,247.18	661.56	334.81	326.75	2.025		
12,900.00	6,899.66	13,084.81	7,101.56	174.94	172.81	-107.84	-994.72	-5,347.12	659.82	327.71	332.11	1.987		
13,000.00	6,898.34	13,184.80	7,099.75	177.73	175.60	-107.84	-996.69	-5,447.07	658.08	320.62	337.46	1.950		
13,100.00	6,897.03	13,284.78	7,097.93	180.53	178.40	-107.84	-998.67	-5,547.02	656.34	313.52	342.82	1.915		
13,200.00	6,895.71	13,384.77	7,096.11	183.32	181.20	-107.85	-1,000.64	-5,646.97	654.59	306.41	348.18	1.880		
13,300.00	6,894.40	13,484.75	7,094.30	186.12	183.99	-107.85	-1,002.62	-5,746.92	652.85	299.31	353.54	1.847		
13,400.00	6,893.08	13,584.74	7,092.48	188.92	186.80	-107.85	-1,004.59	-5,846.87	651.11	292.20	358.91	1.814		
13,500.00	6,891.77	13,684.72	7,090.66	191.72	189.60	-107.85	-1,006.57	-5,946.82	649.36	285.09	364.27	1.783		
13,600.00	6,890.45	13,784.71	7,088.85	194.52	192.40	-107.86	-1,008.55	-6,046.77	647.62	277.98	369.64	1.752		
13,700.00	6,889.14	13,884.69	7,087.03	197.32	195.21	-107.86	-1,010.52	-6,146.71	645.88	270.86	375.01	1.722		
13,800.00	6,887.82	13,984.68	7,085.21	200.13	198.01	-107.86	-1,012.50	-6,246.66	644.14	263.75	380.39	1.693		
13,900.00	6,886.51	14,084.66	7,083.40	202.93	200.82	-107.87	-1,014.47	-6,346.61	642.39	256.63	385.76	1.665		
14,000.00	6,885.20	14,184.64	7,081.58	205.74	203.63	-107.87	-1,016.45	-6,446.56	640.65	249.51	391.14	1.638		
14,100.00	6,883.88	14,284.63	7,079.76	208.55	206.44	-107.87	-1,018.43	-6,546.51	638.91	242.39	396.52	1.611		

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 13N-6B-M
<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 13N-6B-M	<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 - Boomerang 34C-6-M - OH - Plan #1		Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
14,200.00	6,882.57	14,384.61	7,077.95	211.35	209.25	-107.87	-1,020.40	-6,646.46	637.16	235.26	401.90	1.585				
14,300.00	6,881.25	14,484.60	7,076.13	214.16	212.06	-107.88	-1,022.38	-6,746.41	635.42	228.14	407.28	1.560				
14,400.00	6,879.94	14,584.58	7,074.31	216.97	214.87	-107.88	-1,024.35	-6,846.36	633.68	221.01	412.66	1.536				
14,500.00	6,878.62	14,684.57	7,072.49	219.78	217.68	-107.88	-1,026.33	-6,946.30	631.94	213.89	418.05	1.512				
14,600.00	6,877.31	14,784.55	7,070.68	222.59	220.50	-107.89	-1,028.31	-7,046.25	630.19	206.76	423.43	1.488 Level 3				
14,700.00	6,875.99	14,884.54	7,068.86	225.41	223.31	-107.89	-1,030.28	-7,146.20	628.45	199.63	428.82	1.466 Level 3				
14,800.00	6,874.68	14,984.52	7,067.04	228.22	226.13	-107.89	-1,032.26	-7,246.15	626.71	192.50	434.21	1.443 Level 3				
14,900.00	6,873.36	15,084.51	7,065.23	231.03	228.95	-107.90	-1,034.23	-7,346.10	624.96	185.36	439.60	1.422 Level 3				
15,000.00	6,872.05	15,184.49	7,063.41	233.85	231.76	-107.90	-1,036.21	-7,446.05	623.22	178.23	444.99	1.401 Level 3				
15,100.00	6,870.73	15,284.48	7,061.59	236.66	234.58	-107.90	-1,038.19	-7,546.00	621.48	171.09	450.38	1.380 Level 3				
15,200.00	6,869.42	15,384.46	7,059.78	239.48	237.40	-107.91	-1,040.16	-7,645.95	619.74	163.96	455.78	1.360 Level 3				
15,300.00	6,868.11	15,484.45	7,057.96	242.29	240.22	-107.91	-1,042.14	-7,745.89	617.99	156.82	461.17	1.340 Level 3				
15,400.00	6,866.79	15,584.43	7,056.14	245.11	243.04	-107.91	-1,044.11	-7,845.84	616.25	149.68	466.56	1.321 Level 3				
15,460.11	6,866.00	15,644.54	7,055.05	246.80	244.74	-107.91	-1,045.30	-7,905.93	615.20	145.39	469.81	1.309 Level 3				
15,460.74	6,865.99	15,645.16	7,055.04	246.82	244.75	-107.91	-1,045.31	-7,906.55	615.19	145.35	469.84	1.309 Level 3, SF				

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-29.87	-2.78	30.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-29.87	-2.78	30.00	23.43	6.57	4.567		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-29.87	-2.78	30.00	23.33	6.67	4.495		
300.00	299.98	299.98	299.98	3.44	3.44	89.66	-29.87	-2.78	29.94	23.05	6.89	4.348		
304.99	304.97	304.97	304.97	3.45	3.45	90.00	-29.87	-2.78	29.94	23.04	6.90	4.339 CC		
400.00	399.84	399.41	399.39	3.60	3.60	96.55	-30.98	-1.46	31.04	23.85	7.19	4.315		
500.00	499.45	498.88	498.72	3.80	3.79	103.01	-34.32	2.49	34.42	26.83	7.59	4.536		
584.50	583.35	582.91	582.45	4.01	3.98	107.43	-38.86	7.89	39.02	31.03	7.99	4.884		
600.00	598.71	598.33	597.79	4.05	4.02	108.08	-39.87	9.09	40.01	31.94	8.07	4.959		
700.00	697.81	697.77	696.50	4.33	4.29	109.18	-47.63	18.31	46.90	38.28	8.62	5.440		
800.00	796.91	797.11	794.63	4.64	4.59	106.46	-57.57	30.11	54.56	45.32	9.24	5.904		
900.00	896.01	903.27	892.82	4.98	4.95	103.24	-68.38	42.94	62.69	52.76	9.93	6.311		
1,000.00	995.11	1,003.66	991.01	5.34	5.32	100.76	-79.19	55.78	70.98	60.33	10.65	6.665		
1,100.00	1,094.21	1,104.04	1,089.20	5.71	5.70	98.80	-90.00	68.62	79.37	67.97	11.40	6.964		
1,200.00	1,193.31	1,204.43	1,187.39	6.10	6.10	97.22	-100.81	81.46	87.84	75.67	12.17	7.216		
1,300.00	1,292.41	1,304.82	1,285.58	6.49	6.51	95.92	-111.62	94.30	96.36	83.39	12.97	7.430		
1,400.00	1,391.51	1,405.20	1,383.77	6.90	6.93	94.83	-122.43	107.14	104.92	91.14	13.78	7.612		
1,500.00	1,490.61	1,505.59	1,481.96	7.31	7.36	93.90	-133.24	119.97	113.52	98.91	14.61	7.768		
1,600.00	1,589.71	1,605.97	1,580.15	7.73	7.80	93.10	-144.06	132.81	122.14	106.68	15.46	7.902		
1,700.00	1,688.81	1,706.36	1,678.34	8.16	8.24	92.41	-154.87	145.65	130.78	114.47	16.31	8.019		
1,800.00	1,787.92	1,793.26	1,776.53	8.59	8.63	91.81	-165.68	158.49	139.44	122.33	17.11	8.148		
1,900.00	1,887.02	1,907.13	1,874.72	9.02	9.14	91.27	-176.49	171.33	148.11	130.07	18.04	8.209		
2,000.00	1,986.12	2,007.51	1,972.91	9.46	9.60	90.80	-187.30	184.17	156.79	137.87	18.92	8.287		
2,100.00	2,085.22	2,107.90	2,071.10	9.90	10.06	90.37	-198.11	197.01	165.48	145.68	19.80	8.357		
2,200.00	2,184.32	2,208.29	2,169.29	10.34	10.52	89.99	-208.92	209.84	174.18	153.49	20.69	8.419		
2,300.00	2,283.42	2,308.67	2,267.48	10.78	10.99	89.64	-219.73	222.68	182.89	161.31	21.58	8.474		
2,400.00	2,382.52	2,409.06	2,365.67	11.23	11.46	89.33	-230.54	235.52	191.60	169.12	22.48	8.524		
2,500.00	2,481.62	2,509.44	2,463.86	11.68	11.92	89.04	-241.35	248.36	200.32	176.94	23.38	8.568		
2,600.00	2,580.72	2,609.83	2,562.05	12.13	12.39	88.78	-252.17	261.20	209.05	184.76	24.28	8.609		
2,700.00	2,679.82	2,689.79	2,660.24	12.58	12.77	88.53	-262.98	274.04	217.77	192.68	25.09	8.678		
2,800.00	2,778.92	2,789.40	2,758.43	13.03	13.24	88.31	-273.79	286.87	226.50	200.50	26.00	8.712		
2,900.00	2,878.02	2,889.01	2,856.62	13.48	13.71	88.10	-284.60	299.71	235.24	208.33	26.91	8.743		
3,000.00	2,977.12	2,988.63	2,954.81	13.94	14.18	87.91	-295.41	312.55	243.97	216.16	27.81	8.771		
3,100.00	3,076.22	3,088.24	3,053.00	14.39	14.66	87.73	-306.22	325.39	252.71	223.99	28.73	8.797		
3,200.00	3,175.32	3,187.86	3,151.19	14.85	15.13	87.57	-317.03	338.23	261.45	231.82	29.64	8.822		
3,300.00	3,274.43	3,287.47	3,249.38	15.30	15.60	87.41	-327.84	351.07	270.20	239.65	30.55	8.844		
3,400.00	3,373.53	3,387.09	3,347.57	15.76	16.08	87.26	-338.65	363.90	278.94	247.48	31.47	8.865		
3,500.00	3,472.63	3,486.70	3,445.76	16.22	16.56	87.13	-349.46	376.74	287.69	255.31	32.38	8.884		
3,600.00	3,571.73	3,586.32	3,543.95	16.68	17.03	87.00	-360.27	389.58	296.44	263.14	33.30	8.902		
3,700.00	3,670.83	3,685.93	3,642.14	17.14	17.51	86.87	-371.09	402.42	305.19	270.97	34.22	8.918		
3,800.00	3,769.93	3,785.54	3,740.33	17.59	17.99	86.76	-381.90	415.26	313.94	278.80	35.14	8.934		
3,900.00	3,869.03	3,885.16	3,838.52	18.05	18.47	86.65	-392.71	428.10	322.69	286.63	36.06	8.948		
4,000.00	3,968.13	3,984.77	3,936.71	18.51	18.94	86.55	-403.52	440.94	331.45	294.46	36.98	8.962		
4,100.00	4,067.23	4,084.39	4,034.90	18.98	19.42	86.45	-414.33	453.77	340.20	302.29	37.91	8.975		
4,200.00	4,166.33	4,184.00	4,133.09	19.44	19.90	86.36	-425.14	466.61	348.96	310.13	38.83	8.987		
4,300.00	4,265.43	4,283.62	4,231.29	19.90	20.38	86.27	-435.95	479.45	357.71	317.96	39.75	8.999		
4,400.00	4,364.53	4,383.23	4,329.48	20.36	20.86	86.18	-446.76	492.29	366.47	325.79	40.68	9.009		
4,500.00	4,463.63	4,482.85	4,427.67	20.82	21.34	86.10	-457.57	505.13	375.23	333.63	41.60	9.019		
4,600.00	4,562.73	4,582.46	4,525.86	21.28	21.82	86.03	-468.38	517.97	383.99	341.46	42.53	9.029		
4,700.00	4,661.83	4,682.07	4,624.05	21.75	22.30	85.95	-479.20	530.80	392.74	349.29	43.45	9.038		
4,800.00	4,760.93	4,781.69	4,722.24	22.21	22.79	85.88	-490.01	543.64	401.50	357.12	44.38	9.047		
4,900.00	4,860.04	4,881.30	4,820.43	22.67	23.27	85.82	-500.82	556.48	410.27	364.96	45.31	9.055		

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 13N-6B-M
<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 13N-6B-M	<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		
5,000.00	4,959.14	4,980.92	4,918.62	23.13	23.75	85.75	-511.63	569.32	419.03	372.79	46.24	9.063		
5,100.00	5,058.24	5,080.53	5,016.81	23.60	24.23	85.69	-522.44	582.16	427.79	380.62	47.16	9.070		
5,200.00	5,157.34	5,180.15	5,115.00	24.06	24.71	85.63	-533.25	595.00	436.55	388.46	48.09	9.078		
5,300.00	5,256.44	5,279.76	5,213.19	24.52	25.19	85.57	-544.06	607.83	445.31	396.29	49.02	9.084		
5,400.00	5,355.54	5,379.38	5,311.38	24.99	25.68	85.52	-554.87	620.67	454.07	404.13	49.95	9.091		
5,500.00	5,454.64	5,478.99	5,409.57	25.45	26.16	85.47	-565.68	633.51	462.84	411.96	50.88	9.097		
5,600.00	5,553.74	5,578.60	5,507.76	25.92	26.64	85.42	-576.49	646.35	471.60	419.79	51.81	9.103		
5,700.00	5,652.84	5,678.22	5,605.95	26.38	27.13	85.37	-587.30	659.19	480.37	427.63	52.74	9.109		
5,800.00	5,751.94	5,777.83	5,704.14	26.84	27.61	85.32	-598.12	672.03	489.13	435.46	53.67	9.114		
5,900.00	5,851.04	5,877.45	5,802.33	27.31	28.09	85.28	-608.93	684.87	497.89	443.30	54.60	9.119		
6,000.00	5,950.14	5,977.06	5,900.52	27.77	28.57	85.23	-619.74	697.70	506.66	451.13	55.53	9.124		
6,100.00	6,049.24	6,076.68	5,998.71	28.24	29.06	85.19	-630.55	710.54	515.42	458.96	56.46	9.129		
6,200.00	6,148.34	6,176.29	6,096.90	28.70	29.54	85.15	-641.36	723.38	524.19	466.80	57.39	9.134		
6,304.69	6,252.09	6,276.81	6,196.10	29.19	30.02	85.23	-652.32	735.19	533.51	475.19	58.32	9.147		
6,350.00	6,297.17	6,317.72	6,236.72	29.39	30.20	73.78	-656.91	736.70	537.80	479.12	58.68	9.165		
6,400.00	6,347.13	6,362.69	6,281.37	29.59	30.38	-27.04	-662.05	735.34	542.49	483.46	59.03	9.190		
6,450.00	6,397.02	6,407.53	6,325.66	29.78	30.54	-66.63	-667.25	730.82	547.11	487.76	59.35	9.219		
6,500.00	6,446.53	6,452.25	6,369.41	29.96	30.70	-72.71	-672.49	723.20	551.62	491.98	59.65	9.248		
6,550.00	6,495.35	6,496.89	6,412.42	30.14	30.85	-74.81	-677.74	712.53	556.00	496.06	59.94	9.276		
6,600.00	6,543.19	6,541.46	6,454.52	30.33	30.99	-75.74	-682.98	698.88	560.22	499.99	60.24	9.301		
6,650.00	6,589.76	6,585.99	6,495.52	30.52	31.14	-76.21	-688.18	682.31	564.25	503.72	60.53	9.321		
6,700.00	6,634.75	6,630.52	6,535.24	30.71	31.28	-76.46	-693.33	662.90	568.07	507.23	60.84	9.337		
6,750.00	6,677.90	6,675.05	6,573.52	30.91	31.43	-76.61	-698.40	640.73	571.65	510.48	61.17	9.346		
6,800.00	6,718.94	6,719.63	6,610.19	31.13	31.58	-76.71	-703.37	615.89	574.97	513.46	61.51	9.347		
6,850.00	6,757.62	6,764.27	6,645.08	31.36	31.73	-76.80	-708.21	588.49	578.02	516.12	61.89	9.339		
6,900.00	6,793.70	6,808.99	6,678.03	31.61	31.89	-76.90	-712.92	558.63	580.78	518.46	62.31	9.320		
6,950.00	6,826.95	6,853.83	6,708.88	31.88	32.07	-77.02	-717.45	526.43	583.23	520.44	62.79	9.289		
7,000.00	6,857.18	6,898.79	6,737.48	32.19	32.27	-77.17	-721.80	492.01	585.37	522.05	63.32	9.245		
7,050.00	6,884.18	6,943.91	6,763.66	32.52	32.49	-77.36	-725.94	455.51	587.19	523.26	63.92	9.186		
7,100.00	6,907.81	6,989.21	6,787.29	32.90	32.74	-77.59	-729.85	417.07	588.68	524.07	64.61	9.112		
7,150.00	6,927.91	7,034.71	6,808.23	33.32	33.02	-77.86	-733.50	376.85	589.83	524.46	65.37	9.023		
7,200.00	6,944.36	7,080.43	6,826.33	33.77	33.34	-78.17	-736.89	335.01	590.65	524.43	66.22	8.919		
7,250.00	6,957.05	7,126.40	6,841.47	34.27	33.70	-78.53	-739.98	291.73	591.13	523.97	67.16	8.802		
7,300.00	6,965.92	7,172.63	6,853.52	34.80	34.10	-78.93	-742.75	247.20	591.28	523.10	68.18	8.672		
7,350.00	6,970.89	7,219.14	6,862.37	35.37	34.54	-79.38	-745.20	201.61	591.10	521.83	69.28	8.533		
7,396.89	6,972.00	7,263.04	6,867.66	35.93	35.00	-79.83	-747.17	158.08	590.64	520.27	70.37	8.394		
7,400.00	6,971.96	7,265.96	6,867.90	35.97	35.03	-79.86	-747.29	155.18	590.60	520.16	70.44	8.384		
7,500.00	6,970.65	7,362.42	6,869.50	37.28	36.14	-80.13	-750.50	58.84	589.77	516.82	72.95	8.085		
7,600.00	6,969.33	7,462.41	6,868.08	38.76	37.48	-80.11	-753.49	-41.11	589.13	513.35	75.79	7.774		
7,700.00	6,968.02	7,562.41	6,866.65	40.39	38.99	-80.09	-756.47	-141.05	588.50	509.58	78.92	7.457		
7,800.00	6,966.70	7,662.41	6,865.23	42.15	40.64	-80.06	-759.45	-240.99	587.86	505.55	82.31	7.142		
7,900.00	6,965.39	7,762.41	6,863.81	44.02	42.43	-80.04	-762.43	-340.94	587.23	501.29	85.93	6.834		
8,000.00	6,964.07	7,862.40	6,862.38	45.99	44.33	-80.02	-765.41	-440.88	586.59	496.83	89.76	6.535		
8,100.00	6,962.76	7,962.40	6,860.96	48.05	46.33	-80.00	-768.39	-540.82	585.96	492.19	93.77	6.249		
8,200.00	6,961.45	8,062.40	6,859.53	50.19	48.42	-79.98	-771.37	-640.77	585.32	487.39	97.93	5.977		
8,300.00	6,960.13	8,162.40	6,858.11	52.39	50.58	-79.95	-774.35	-740.71	584.69	482.46	102.23	5.719		
8,400.00	6,958.82	8,262.40	6,856.68	54.65	52.80	-79.93	-777.33	-840.65	584.05	477.40	106.65	5.476		
8,500.00	6,957.50	8,362.39	6,855.26	56.97	55.09	-79.91	-780.31	-940.60	583.42	472.24	111.18	5.248		
8,600.00	6,956.19	8,462.39	6,853.84	59.33	57.42	-79.89	-783.29	-1,040.54	582.78	466.98	115.80	5.033		
8,700.00	6,954.87	8,562.39	6,852.41	61.73	59.80	-79.87	-786.28	-1,140.48	582.15	461.64	120.50	4.831		
8,800.00	6,953.56	8,662.39	6,850.99	64.16	62.22	-79.84	-789.26	-1,240.42	581.51	456.23	125.28	4.642		
8,900.00	6,952.24	8,762.38	6,849.56	66.63	64.67	-79.82	-792.24	-1,340.37	580.88	450.76	130.12	4.464		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	8,862.38	6,848.14	69.13	67.16	-79.80	-795.22	-1,440.31	580.24	445.22	135.02	4.297		
9,100.00	6,949.61	8,962.38	6,846.71	71.65	69.67	-79.78	-798.20	-1,540.25	579.61	439.64	139.97	4.141		
9,200.00	6,948.30	9,062.38	6,845.29	74.20	72.21	-79.76	-801.18	-1,640.20	578.98	434.01	144.97	3.994		
9,300.00	6,946.98	9,162.38	6,843.87	76.77	74.77	-79.73	-804.16	-1,740.14	578.34	428.33	150.01	3.855		
9,400.00	6,945.67	9,262.37	6,842.44	79.35	77.35	-79.71	-807.14	-1,840.08	577.71	422.62	155.08	3.725		
9,500.00	6,944.35	9,362.37	6,841.02	81.95	79.94	-79.69	-810.12	-1,940.03	577.07	416.88	160.20	3.602		
9,600.00	6,943.04	9,462.37	6,839.59	84.57	82.56	-79.67	-813.10	-2,039.97	576.44	411.10	165.34	3.486		
9,700.00	6,941.73	9,562.37	6,838.17	87.21	85.19	-79.64	-816.09	-2,139.91	575.81	405.30	170.51	3.377		
9,800.00	6,940.41	9,662.36	6,836.74	89.85	87.83	-79.62	-819.07	-2,239.86	575.17	399.47	175.70	3.274		
9,900.00	6,939.10	9,762.36	6,835.32	92.51	90.48	-79.60	-822.05	-2,339.80	574.54	393.62	180.92	3.176		
10,000.00	6,937.78	9,862.36	6,833.90	95.17	93.15	-79.57	-825.03	-2,439.74	573.90	387.75	186.15	3.083		
10,100.00	6,936.47	9,962.36	6,832.47	97.85	95.82	-79.55	-828.01	-2,539.69	573.27	381.86	191.41	2.995		
10,200.00	6,935.15	10,062.35	6,831.05	100.54	98.51	-79.53	-830.99	-2,639.63	572.64	375.95	196.69	2.911		
10,300.00	6,933.84	10,162.35	6,829.62	103.23	101.20	-79.51	-833.97	-2,739.57	572.00	370.03	201.98	2.832		
10,400.00	6,932.52	10,262.35	6,828.20	105.93	103.90	-79.48	-836.95	-2,839.52	571.37	364.09	207.28	2.756		
10,500.00	6,931.21	10,362.35	6,826.77	108.64	106.61	-79.46	-839.93	-2,939.46	570.74	358.13	212.60	2.685		
10,600.00	6,929.89	10,462.35	6,825.35	111.36	109.33	-79.44	-842.91	-3,039.40	570.11	352.17	217.94	2.616		
10,700.00	6,928.58	10,562.34	6,823.93	114.08	112.05	-79.41	-845.89	-3,139.34	569.47	346.19	223.28	2.550		
10,800.00	6,927.26	10,662.34	6,822.50	116.81	114.78	-79.39	-848.88	-3,239.29	568.84	340.21	228.63	2.488		
10,900.00	6,925.95	10,762.34	6,821.08	119.54	117.51	-79.37	-851.86	-3,339.23	568.21	334.21	234.00	2.428		
11,000.00	6,924.64	10,862.34	6,819.65	122.28	120.25	-79.34	-854.84	-3,439.17	567.57	328.20	239.37	2.371		
11,100.00	6,923.32	10,962.33	6,818.23	125.02	123.00	-79.32	-857.82	-3,539.12	566.94	322.19	244.75	2.316		
11,200.00	6,922.01	11,062.33	6,816.80	127.77	125.75	-79.30	-860.80	-3,639.06	566.31	316.17	250.14	2.264		
11,300.00	6,920.69	11,162.33	6,815.38	130.52	128.50	-79.27	-863.78	-3,739.00	565.68	310.14	255.54	2.214		
11,400.00	6,919.38	11,262.33	6,813.96	133.28	131.25	-79.25	-866.76	-3,838.95	565.04	304.10	260.95	2.165		
11,500.00	6,918.06	11,362.33	6,812.53	136.04	134.01	-79.23	-869.74	-3,938.89	564.41	298.06	266.36	2.119		
11,600.00	6,916.75	11,462.32	6,811.11	138.80	136.78	-79.20	-872.72	-4,038.83	563.78	292.01	271.77	2.074		
11,700.00	6,915.43	11,562.32	6,809.69	141.56	139.53	-79.17	-875.69	-4,138.77	563.15	285.96	277.34	2.030		
11,800.00	6,914.12	11,662.32	6,808.27	144.33	142.30	-79.14	-878.67	-4,238.71	562.52	280.81	282.91	1.987		
11,900.00	6,912.80	11,762.32	6,806.85	147.10	145.07	-79.11	-881.64	-4,338.65	561.89	275.66	288.48	1.945		
12,000.00	6,911.49	11,862.32	6,805.43	149.88	147.85	-79.08	-884.62	-4,438.59	561.26	270.51	294.05	1.903		
12,100.00	6,910.17	11,962.32	6,804.01	152.65	150.62	-79.05	-887.60	-4,538.53	560.63	265.36	299.62	1.861		
12,200.00	6,908.86	12,062.32	6,802.59	155.43	153.40	-79.02	-890.58	-4,638.47	560.00	260.21	305.19	1.819		
12,300.00	6,907.54	12,162.32	6,801.17	158.21	156.18	-78.99	-893.56	-4,738.41	559.37	255.06	310.76	1.777		
12,400.00	6,906.23	12,262.32	6,799.75	160.99	158.96	-78.96	-896.54	-4,838.35	558.74	249.91	316.33	1.735		
12,500.00	6,904.92	12,362.32	6,798.33	163.78	161.75	-78.93	-899.52	-4,938.29	558.11	244.76	321.90	1.693		
12,600.00	6,903.60	12,462.32	6,796.91	166.57	164.53	-78.90	-902.50	-5,038.23	557.48	239.61	327.47	1.651		
12,700.00	6,902.29	12,562.32	6,795.49	169.35	167.31	-78.87	-905.48	-5,138.17	556.85	234.46	333.04	1.609		
12,800.00	6,900.97	12,662.32	6,794.07	172.14	170.09	-78.84	-908.46	-5,238.11	556.22	229.31	338.61	1.567		
12,900.00	6,899.66	12,762.32	6,792.65	174.94	172.87	-78.81	-911.44	-5,338.05	555.59	224.16	344.18	1.525		
13,000.00	6,898.34	12,862.32	6,791.23	177.73	175.65	-78.78	-914.42	-5,437.99	554.96	219.01	349.75	1.483	Level 3	
13,100.00	6,897.03	12,962.32	6,789.81	180.53	178.43	-78.75	-917.40	-5,537.93	554.33	213.86	355.32	1.441	Level 3	
13,200.00	6,895.71	13,062.32	6,788.39	183.32	181.21	-78.72	-920.38	-5,637.87	553.70	208.71	360.89	1.399	Level 3	
13,300.00	6,894.40	13,162.32	6,786.97	186.12	184.00	-78.69	-923.36	-5,737.81	553.07	203.56	366.46	1.357	Level 3	
13,400.00	6,893.08	13,262.32	6,785.55	188.92	186.78	-78.66	-926.34	-5,837.75	552.44	198.41	372.03	1.315	Level 3	
13,500.00	6,891.77	13,362.32	6,784.13	191.72	189.57	-78.63	-929.32	-5,937.69	551.81	193.26	377.60	1.273	Level 3	
13,600.00	6,890.45	13,462.32	6,782.71	194.52	192.35	-78.60	-932.30	-6,037.63	551.18	188.11	383.17	1.231	Level 3	
13,700.00	6,889.14	13,562.32	6,781.29	197.32	195.13	-78.57	-935.28	-6,137.57	550.55	182.96	388.74	1.189	Level 3	
13,800.00	6,887.82	13,662.32	6,779.87	200.12	197.91	-78.54	-938.26	-6,237.51	549.92	177.81	394.31	1.147	Level 3	
13,900.00	6,886.51	13,762.32	6,778.45	202.93	200.70	-78.51	-941.24	-6,337.45	549.29	172.66	400.88	1.105	Level 3	
14,000.00	6,885.20	13,862.32	6,777.03	205.74	203.49	-78.48	-944.22	-6,437.39	548.66	167.51	406.45	1.063	Level 3	
14,100.00	6,883.88	13,962.32	6,775.61	208.55	206.28	-78.45	-947.20	-6,537.33	548.03	162.36	412.02	1.021	Level 3	

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	14,081.17	6,773.84	211.35	210.22	-76.15	-854.33	-6,657.27	453.57	42.61	410.96	1.104	Level 2	
14,300.00	6,881.25	14,181.06	6,772.42	214.16	213.05	-76.00	-853.44	-6,757.15	449.20	32.99	416.20	1.079	Level 2	
14,400.00	6,879.94	14,280.96	6,770.99	216.97	215.87	-75.84	-852.55	-6,857.04	444.83	23.39	421.43	1.056	Level 2	
14,500.00	6,878.62	14,380.86	6,769.57	219.78	218.69	-75.68	-851.66	-6,956.92	440.46	13.80	426.65	1.032	Level 2	
14,600.00	6,877.31	14,480.76	6,768.15	222.59	221.51	-75.52	-850.77	-7,056.80	436.09	4.23	431.86	1.010	Level 2	
14,700.00	6,875.99	14,580.65	6,766.73	225.41	224.34	-75.36	-849.88	-7,156.69	431.73	-5.32	437.05	0.988	Level 1	
14,800.00	6,874.68	14,680.55	6,765.31	228.22	227.16	-75.19	-848.99	-7,256.57	427.37	-14.85	442.22	0.966	Level 1	
14,900.00	6,873.36	14,780.45	6,763.89	231.03	229.99	-75.02	-848.10	-7,356.45	423.02	-24.37	447.38	0.946	Level 1	
15,000.00	6,872.05	14,880.34	6,762.47	233.85	232.82	-74.84	-847.22	-7,456.33	418.66	-33.86	452.53	0.925	Level 1	
15,100.00	6,870.73	14,980.24	6,761.04	236.66	235.64	-74.67	-846.33	-7,556.22	414.32	-43.33	457.65	0.905	Level 1	
15,200.00	6,869.42	15,080.14	6,759.62	239.48	238.47	-74.48	-845.44	-7,656.10	409.97	-52.79	462.76	0.886	Level 1	
15,300.00	6,868.11	15,180.04	6,758.20	242.29	241.30	-74.30	-844.55	-7,755.98	405.64	-62.21	467.85	0.867	Level 1	
15,400.00	6,866.79	15,279.93	6,756.78	245.11	244.13	-74.11	-843.66	-7,855.87	401.30	-71.62	472.92	0.849	Level 1	
15,460.11	6,866.00	15,335.52	6,755.99	246.80	245.70	-74.00	-843.16	-7,911.45	398.72	-77.27	476.00	0.838	Level 1	
15,460.74	6,865.99	15,335.52	6,755.99	246.82	245.70	-74.00	-843.16	-7,911.45	398.70	-77.32	476.03	0.838	Level 1, ES, SF	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-174.41	-59.75	-5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-59.75	-5.85	60.03	53.47	6.57	9.139		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-59.75	-5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	299.98	298.38	298.36	3.44	3.44	87.17	-61.16	-4.92	61.27	54.38	6.89	8.897		
400.00	399.84	396.64	396.49	3.60	3.59	88.79	-65.38	-2.14	65.01	57.81	7.20	9.026		
500.00	499.45	494.68	494.16	3.80	3.78	91.09	-72.40	2.48	71.34	63.72	7.61	9.370		
584.50	583.35	577.27	576.18	4.01	3.98	93.27	-80.47	7.80	78.77	70.75	8.03	9.816		
600.00	598.71	592.39	591.16	4.05	4.02	93.67	-82.16	8.91	80.35	72.24	8.11	9.912		
700.00	697.81	689.72	687.34	4.33	4.29	95.05	-94.62	17.12	91.87	83.20	8.67	10.597		
800.00	796.91	786.84	782.76	4.64	4.60	94.77	-109.75	27.08	105.66	96.37	9.29	11.373		
900.00	896.01	885.76	879.69	4.98	4.95	94.11	-126.17	37.90	120.29	110.34	9.95	12.092		
1,000.00	995.11	984.67	976.63	5.34	5.32	93.59	-142.60	48.72	134.94	124.29	10.65	12.670		
1,100.00	1,094.21	1,083.59	1,073.57	5.71	5.72	93.18	-159.03	59.54	149.60	138.21	11.39	13.138		
1,200.00	1,193.31	1,182.50	1,170.51	6.10	6.12	92.83	-175.45	70.36	164.26	152.11	12.15	13.518		
1,300.00	1,292.41	1,281.42	1,267.45	6.49	6.55	92.55	-191.88	81.18	178.93	165.99	12.94	13.829		
1,400.00	1,391.51	1,380.33	1,364.39	6.90	6.98	92.31	-208.31	92.00	193.60	179.86	13.75	14.084		
1,500.00	1,490.61	1,479.25	1,461.33	7.31	7.42	92.10	-224.73	102.82	208.28	193.71	14.57	14.296		
1,600.00	1,589.71	1,578.16	1,558.27	7.73	7.87	91.92	-241.16	113.64	222.95	207.55	15.41	14.472		
1,700.00	1,688.81	1,677.08	1,655.21	8.16	8.32	91.76	-257.59	124.46	237.63	221.38	16.25	14.620		
1,800.00	1,787.92	1,775.99	1,752.15	8.59	8.78	91.62	-274.01	135.28	252.31	235.20	17.11	14.745		
1,900.00	1,887.02	1,874.91	1,849.09	9.02	9.25	91.49	-290.44	146.09	266.99	249.02	17.98	14.851		
2,000.00	1,986.12	1,973.82	1,946.03	9.46	9.72	91.38	-306.87	156.91	281.68	262.83	18.85	14.942		
2,100.00	2,085.22	2,072.74	2,042.97	9.90	10.19	91.28	-323.30	167.73	296.36	276.63	19.73	15.020		
2,200.00	2,184.32	2,171.65	2,139.91	10.34	10.66	91.19	-339.72	178.55	311.05	290.43	20.62	15.087		
2,300.00	2,283.42	2,270.57	2,236.85	10.78	11.14	91.11	-356.15	189.37	325.73	304.23	21.51	15.146		
2,400.00	2,382.52	2,369.48	2,333.78	11.23	11.62	91.03	-372.58	200.19	340.42	318.02	22.40	15.197		
2,500.00	2,481.62	2,468.40	2,430.72	11.68	12.10	90.96	-389.00	211.01	355.10	331.81	23.30	15.241		
2,600.00	2,580.72	2,567.31	2,527.66	12.13	12.58	90.90	-405.43	221.83	369.79	345.59	24.20	15.281		
2,700.00	2,679.82	2,666.23	2,624.60	12.58	13.06	90.84	-421.86	232.65	384.48	359.37	25.10	15.315		
2,800.00	2,778.92	2,765.14	2,721.54	13.03	13.55	90.78	-438.28	243.47	399.17	373.16	26.01	15.346		
2,900.00	2,878.02	2,864.05	2,818.48	13.48	14.03	90.73	-454.71	254.29	413.85	386.93	26.92	15.373		
3,000.00	2,977.12	2,962.97	2,915.42	13.94	14.52	90.69	-471.14	265.11	428.54	400.71	27.83	15.398		
3,100.00	3,076.22	3,061.88	3,012.36	14.39	15.01	90.64	-487.56	275.92	443.23	414.49	28.75	15.419		
3,200.00	3,175.32	3,160.80	3,109.30	14.85	15.50	90.60	-503.99	286.74	457.92	428.26	29.66	15.439		
3,300.00	3,274.43	3,259.71	3,206.24	15.30	15.99	90.56	-520.42	297.56	472.61	442.03	30.58	15.456		
3,400.00	3,373.53	3,358.63	3,303.18	15.76	16.48	90.52	-536.84	308.38	487.30	455.80	31.50	15.472		
3,500.00	3,472.63	3,457.54	3,400.12	16.22	16.97	90.49	-553.27	319.20	501.99	469.57	32.41	15.486		
3,600.00	3,571.73	3,556.46	3,497.06	16.68	17.46	90.46	-569.70	330.02	516.68	483.34	33.34	15.499		
3,700.00	3,670.83	3,655.37	3,594.00	17.14	17.96	90.43	-586.12	340.84	531.37	497.11	34.26	15.511		
3,800.00	3,769.93	3,754.29	3,690.94	17.59	18.45	90.40	-602.55	351.66	546.06	510.88	35.18	15.522		
3,900.00	3,869.03	3,853.20	3,787.87	18.05	18.94	90.37	-618.98	362.48	560.75	524.64	36.10	15.531		
4,000.00	3,968.13	3,952.12	3,884.81	18.51	19.44	90.34	-635.41	373.30	575.44	538.41	37.03	15.540		
4,100.00	4,067.23	4,051.03	3,981.75	18.98	19.93	90.32	-651.83	384.12	590.13	552.17	37.96	15.548		
4,200.00	4,166.33	4,149.95	4,078.69	19.44	20.42	90.30	-668.26	394.94	604.82	565.94	38.88	15.555		
4,300.00	4,265.43	4,248.86	4,175.63	19.90	20.92	90.27	-684.69	405.75	619.51	579.70	39.81	15.562		
4,400.00	4,364.53	4,347.78	4,272.57	20.36	21.41	90.25	-701.11	416.57	634.20	593.46	40.74	15.568		
4,500.00	4,463.63	4,446.69	4,369.51	20.82	21.91	90.23	-717.54	427.39	648.89	607.23	41.67	15.574		
4,600.00	4,562.73	4,545.61	4,466.45	21.28	22.41	90.21	-733.97	438.21	663.58	620.99	42.59	15.579		
4,700.00	4,661.83	4,644.52	4,563.39	21.75	22.90	90.19	-750.39	449.03	678.27	634.75	43.52	15.584		
4,800.00	4,760.93	4,743.44	4,660.33	22.21	23.40	90.18	-766.82	459.85	692.97	648.51	44.45	15.588		
4,900.00	4,860.04	4,842.35	4,757.27	22.67	23.89	90.16	-783.25	470.67	707.66	662.27	45.39	15.592		
5,000.00	4,959.14	4,941.26	4,854.21	23.13	24.39	90.14	-799.67	481.49	722.35	676.03	46.32	15.596		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,040.18	4,951.15	23.60	24.89	90.13	-816.10	492.31	737.04	689.79	47.25	15.599		
5,200.00	5,157.34	5,139.09	5,048.09	24.06	25.39	90.11	-832.53	503.13	751.73	703.55	48.18	15.603		
5,300.00	5,256.44	5,238.01	5,145.03	24.52	25.88	90.10	-848.95	513.95	766.42	717.31	49.11	15.606		
5,400.00	5,355.54	5,336.92	5,241.96	24.99	26.38	90.08	-865.38	524.77	781.11	731.07	50.04	15.608		
5,500.00	5,454.64	5,435.84	5,338.90	25.45	26.88	90.07	-881.81	535.58	795.80	744.83	50.98	15.611		
5,600.00	5,553.74	5,534.75	5,435.84	25.92	27.38	90.06	-898.24	546.40	810.49	758.58	51.91	15.613		
5,700.00	5,652.84	5,633.67	5,532.78	26.38	27.87	90.04	-914.66	557.22	825.19	772.34	52.84	15.615		
5,800.00	5,751.94	5,732.58	5,629.72	26.84	28.37	90.03	-931.09	568.04	839.88	786.10	53.78	15.617		
5,900.00	5,851.04	5,831.50	5,726.66	27.31	28.87	90.02	-947.52	578.86	854.57	799.86	54.71	15.619		
6,000.00	5,950.14	5,930.41	5,823.60	27.77	29.37	90.01	-963.94	589.68	869.26	813.61	55.65	15.621		
6,100.00	6,049.24	6,029.33	5,920.54	28.24	29.87	90.00	-980.37	600.50	883.95	827.37	56.58	15.622		
6,200.00	6,148.34	6,128.24	6,017.48	28.70	30.37	89.99	-996.80	611.32	898.64	841.13	57.52	15.624		
6,304.69	6,252.09	6,231.79	6,118.96	29.19	30.89	89.98	-1,013.99	622.65	914.02	855.53	58.50	15.625		
6,350.00	6,297.17	6,276.62	6,162.89	29.39	31.11	78.37	-1,021.44	627.55	920.37	861.46	58.91	15.623		
6,400.00	6,347.13	6,325.91	6,211.20	29.59	31.36	-22.86	-1,029.62	632.94	926.64	867.30	59.33	15.618		
6,450.00	6,397.02	6,374.73	6,259.04	29.78	31.61	-63.11	-1,037.73	638.28	932.17	872.44	59.73	15.607		
6,500.00	6,446.53	6,422.77	6,306.13	29.96	31.85	-70.05	-1,045.71	643.53	937.03	876.93	60.11	15.590		
6,550.00	6,495.35	6,469.74	6,352.16	30.14	32.09	-73.20	-1,053.51	648.67	941.36	880.88	60.47	15.566		
6,600.00	6,543.19	6,515.35	6,396.85	30.33	32.32	-75.33	-1,061.08	653.66	945.30	884.47	60.83	15.540		
6,650.00	6,589.76	6,553.91	6,434.72	30.52	32.51	-76.87	-1,067.53	657.02	949.18	888.06	61.12	15.530		
6,700.00	6,634.75	6,592.38	6,472.62	30.71	32.69	-78.15	-1,074.04	658.07	953.25	891.84	61.41	15.523		
6,750.00	6,677.90	6,631.77	6,511.39	30.91	32.86	-79.30	-1,080.77	656.75	957.55	895.83	61.72	15.515		
6,800.00	6,718.94	6,672.21	6,551.03	31.13	33.02	-80.39	-1,087.73	652.85	962.08	900.03	62.05	15.504		
6,850.00	6,757.62	6,713.86	6,591.51	31.36	33.17	-81.43	-1,094.90	646.18	966.86	904.44	62.42	15.489		
6,900.00	6,793.70	6,756.90	6,632.77	31.61	33.32	-82.46	-1,102.30	636.49	971.90	909.07	62.83	15.469		
6,950.00	6,826.95	6,801.53	6,674.77	31.88	33.46	-83.49	-1,109.93	623.46	977.18	913.91	63.27	15.444		
7,000.00	6,857.18	6,848.01	6,717.42	32.19	33.60	-84.53	-1,117.77	606.76	982.71	918.95	63.75	15.414		
7,050.00	6,884.18	6,896.62	6,760.60	32.52	33.74	-85.59	-1,125.82	585.95	988.44	924.17	64.27	15.380		
7,100.00	6,907.81	6,947.70	6,804.12	32.90	33.88	-86.67	-1,134.06	560.55	994.36	929.54	64.82	15.341		
7,150.00	6,927.91	7,001.64	6,847.73	33.32	34.02	-87.79	-1,142.46	529.97	1,000.40	935.01	65.39	15.299		
7,200.00	6,944.36	7,058.87	6,891.02	33.77	34.17	-88.95	-1,150.98	493.54	1,006.49	940.50	65.99	15.253		
7,250.00	6,957.05	7,119.91	6,933.41	34.27	34.33	-90.15	-1,159.53	450.49	1,012.54	945.92	66.62	15.199		
7,300.00	6,965.92	7,185.30	6,974.06	34.80	34.50	-91.40	-1,167.99	400.02	1,018.43	951.14	67.29	15.135		
7,350.00	6,970.89	7,255.62	7,011.82	35.37	34.72	-92.68	-1,176.19	341.31	1,024.00	955.98	68.03	15.053		
7,396.89	6,972.00	7,326.53	7,043.17	35.93	34.98	-93.91	-1,183.41	278.17	1,028.78	959.95	68.83	14.946		
7,400.00	6,971.96	7,331.41	7,045.07	35.97	35.00	-94.02	-1,183.87	273.69	1,029.08	960.19	68.89	14.938		
7,500.00	6,970.65	7,504.00	7,089.76	37.28	36.04	-96.58	-1,196.32	108.00	1,035.66	964.24	71.42	14.501		
7,600.00	6,969.33	7,649.16	7,093.99	38.76	37.46	-96.92	-1,201.20	-36.82	1,035.56	960.93	74.63	13.876		
7,700.00	6,968.02	7,749.15	7,091.88	40.39	38.71	-96.89	-1,203.69	-136.76	1,034.33	956.74	77.59	13.331		
7,800.00	6,966.70	7,849.14	7,089.77	42.15	40.15	-96.85	-1,206.18	-236.70	1,033.09	952.25	80.84	12.779		
7,900.00	6,965.39	7,949.13	7,087.67	44.02	41.75	-96.82	-1,208.68	-336.63	1,031.85	947.51	84.34	12.234		
8,000.00	6,964.07	8,049.12	7,085.56	45.99	43.49	-96.78	-1,211.17	-436.57	1,030.62	942.54	88.07	11.702		
8,100.00	6,962.76	8,149.11	7,083.45	48.05	45.35	-96.74	-1,213.67	-536.51	1,029.38	937.38	92.00	11.189		
8,200.00	6,961.45	8,249.10	7,081.34	50.19	47.31	-96.71	-1,216.16	-636.44	1,028.15	932.04	96.11	10.698		
8,300.00	6,960.13	8,349.09	7,079.23	52.39	49.36	-96.67	-1,218.66	-736.38	1,026.91	926.55	100.36	10.232		
8,400.00	6,958.82	8,449.08	7,077.13	54.65	51.49	-96.63	-1,221.15	-836.32	1,025.68	920.93	104.75	9.792		
8,500.00	6,957.50	8,549.07	7,075.02	56.97	53.69	-96.60	-1,223.65	-936.25	1,024.44	915.19	109.26	9.376		
8,600.00	6,956.19	8,649.06	7,072.91	59.33	55.94	-96.56	-1,226.14	-1,036.19	1,023.21	909.34	113.87	8.986		
8,700.00	6,954.87	8,749.05	7,070.80	61.73	58.25	-96.52	-1,228.64	-1,136.13	1,021.98	903.40	118.57	8.619		
8,800.00	6,953.56	8,849.04	7,068.69	64.16	60.60	-96.49	-1,231.13	-1,236.07	1,020.75	897.39	123.36	8.274		
8,900.00	6,952.24	8,949.03	7,066.58	66.63	63.00	-96.45	-1,233.63	-1,336.00	1,019.51	891.29	128.22	7.951		
9,000.00	6,950.93	9,049.02	7,064.48	69.13	65.43	-96.41	-1,236.12	-1,435.94	1,018.28	885.14	133.14	7.648		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	9,149.01	7,062.37	71.65	67.89	-96.38	-1,238.62	-1,535.88	1,017.05	878.93	138.12	7.363		
9,200.00	6,948.30	9,249.00	7,060.26	74.20	70.38	-96.34	-1,241.11	-1,635.81	1,015.82	872.66	143.16	7.096		
9,300.00	6,946.98	9,348.99	7,058.15	76.77	72.90	-96.30	-1,243.61	-1,735.75	1,014.59	866.35	148.24	6.844		
9,400.00	6,945.67	9,448.98	7,056.04	79.35	75.44	-96.26	-1,246.10	-1,835.69	1,013.36	860.00	153.36	6.608		
9,500.00	6,944.35	9,548.97	7,053.94	81.95	78.01	-96.23	-1,248.60	-1,935.62	1,012.13	853.61	158.52	6.385		
9,600.00	6,943.04	9,648.96	7,051.83	84.57	80.59	-96.19	-1,251.09	-2,035.56	1,010.90	847.19	163.71	6.175		
9,700.00	6,941.73	9,748.95	7,049.72	87.21	83.19	-96.15	-1,253.59	-2,135.50	1,009.67	840.74	168.94	5.977		
9,800.00	6,940.41	9,848.94	7,047.61	89.85	85.80	-96.11	-1,256.08	-2,235.43	1,008.44	834.25	174.19	5.789		
9,900.00	6,939.10	9,948.93	7,045.50	92.51	88.43	-96.07	-1,258.58	-2,335.37	1,007.22	827.75	179.47	5.612		
10,000.00	6,937.78	10,048.92	7,043.39	95.17	91.07	-96.04	-1,261.07	-2,435.31	1,005.99	821.21	184.78	5.444		
10,100.00	6,936.47	10,148.91	7,041.29	97.85	93.73	-96.00	-1,263.57	-2,535.24	1,004.76	814.66	190.10	5.285		
10,200.00	6,935.15	10,248.90	7,039.18	100.54	96.39	-95.96	-1,266.06	-2,635.18	1,003.54	808.09	195.45	5.135		
10,300.00	6,933.84	10,348.89	7,037.07	103.23	99.07	-95.92	-1,268.56	-2,735.12	1,002.31	801.50	200.81	4.991		
10,400.00	6,932.52	10,448.88	7,034.96	105.93	101.75	-95.88	-1,271.05	-2,835.06	1,001.09	794.89	206.20	4.855		
10,500.00	6,931.21	10,548.87	7,032.85	108.64	104.44	-95.84	-1,273.55	-2,934.99	999.86	788.26	211.60	4.725		
10,600.00	6,929.89	10,648.86	7,030.75	111.36	107.14	-95.81	-1,276.04	-3,034.93	998.64	781.63	217.01	4.602		
10,700.00	6,928.58	10,748.85	7,028.64	114.08	109.85	-95.77	-1,278.54	-3,134.87	997.41	774.98	222.44	4.484		
10,800.00	6,927.26	10,848.84	7,026.53	116.81	112.57	-95.73	-1,281.03	-3,234.80	996.19	768.31	227.88	4.372		
10,900.00	6,925.95	10,948.83	7,024.42	119.54	115.29	-95.69	-1,283.53	-3,334.74	994.96	761.64	233.33	4.264		
11,000.00	6,924.64	11,048.82	7,022.31	122.28	118.02	-95.65	-1,286.02	-3,434.68	993.74	754.95	238.79	4.162		
11,100.00	6,923.32	11,148.81	7,020.20	125.02	120.75	-95.61	-1,288.52	-3,534.61	992.52	748.26	244.26	4.063		
11,200.00	6,922.01	11,248.80	7,018.10	127.77	123.49	-95.57	-1,291.01	-3,634.55	991.30	741.55	249.75	3.969		
11,300.00	6,920.69	11,348.79	7,015.99	130.52	126.23	-95.53	-1,293.51	-3,734.49	990.08	734.84	255.24	3.879		
11,400.00	6,919.38	11,448.78	7,013.88	133.28	128.98	-95.49	-1,296.00	-3,834.42	988.86	728.11	260.74	3.792		
11,500.00	6,918.06	11,548.77	7,011.77	136.04	131.73	-95.45	-1,298.50	-3,934.36	987.63	721.38	266.25	3.709		
11,600.00	6,916.75	11,648.76	7,009.66	138.80	134.48	-95.42	-1,300.99	-4,034.30	986.42	714.65	271.77	3.630		
11,700.00	6,915.43	11,748.76	7,007.56	141.56	137.24	-95.38	-1,303.49	-4,134.23	985.20	707.90	277.29	3.553		
11,800.00	6,914.12	11,848.75	7,005.45	144.33	140.00	-95.34	-1,305.98	-4,234.17	983.98	701.15	282.82	3.479		
11,900.00	6,912.80	11,948.74	7,003.34	147.10	142.77	-95.30	-1,308.48	-4,334.11	982.76	694.40	288.36	3.408		
12,000.00	6,911.49	12,048.73	7,001.23	149.88	145.54	-95.26	-1,310.97	-4,434.05	981.54	687.63	293.91	3.340		
12,100.00	6,910.17	12,148.72	6,999.12	152.65	148.31	-95.22	-1,313.47	-4,533.98	980.32	680.87	299.46	3.274		
12,200.00	6,908.86	12,248.71	6,997.01	155.43	151.08	-95.18	-1,315.96	-4,633.92	979.11	674.09	305.01	3.210		
12,300.00	6,907.54	12,348.70	6,994.91	158.21	153.86	-95.14	-1,318.46	-4,733.86	977.89	667.32	310.57	3.149		
12,400.00	6,906.23	12,448.69	6,992.80	160.99	156.64	-95.10	-1,320.95	-4,833.79	976.67	660.53	316.14	3.089		
12,500.00	6,904.92	12,548.68	6,990.69	163.78	159.42	-95.05	-1,323.45	-4,933.73	975.46	653.75	321.71	3.032		
12,600.00	6,903.60	12,648.67	6,988.58	166.57	162.20	-95.01	-1,325.94	-5,033.67	974.24	646.96	327.28	2.977		
12,700.00	6,902.29	12,748.66	6,986.47	169.35	164.99	-94.97	-1,328.44	-5,133.60	973.03	640.16	332.86	2.923		
12,800.00	6,900.97	12,848.65	6,984.36	172.14	167.78	-94.93	-1,330.93	-5,233.54	971.81	633.37	338.45	2.871		
12,900.00	6,899.66	12,948.64	6,982.26	174.94	170.57	-94.89	-1,333.43	-5,333.48	970.60	626.56	344.03	2.821		
13,000.00	6,898.34	13,048.63	6,980.15	177.73	173.36	-94.85	-1,335.92	-5,433.41	969.39	619.76	349.63	2.773		
13,100.00	6,897.03	13,148.62	6,978.04	180.53	176.15	-94.81	-1,338.42	-5,533.35	968.17	612.95	355.22	2.726		
13,200.00	6,895.71	13,248.61	6,975.93	183.32	178.95	-94.77	-1,340.91	-5,633.29	966.96	606.14	360.82	2.680		
13,300.00	6,894.40	13,348.60	6,973.82	186.12	181.74	-94.73	-1,343.41	-5,733.22	965.75	599.33	366.42	2.636		
13,400.00	6,893.08	13,448.59	6,971.72	188.92	184.54	-94.69	-1,345.90	-5,833.16	964.54	592.51	372.03	2.593		
13,500.00	6,891.77	13,548.58	6,969.61	191.72	187.34	-94.64	-1,348.39	-5,933.10	963.33	585.69	377.63	2.551		
13,600.00	6,890.45	13,648.57	6,967.50	194.52	190.14	-94.60	-1,350.89	-6,033.04	962.12	578.87	383.25	2.510		
13,700.00	6,889.14	13,748.56	6,965.39	197.32	192.95	-94.56	-1,353.38	-6,132.97	960.91	572.05	388.86	2.471		
13,800.00	6,887.82	13,848.55	6,963.28	200.13	195.75	-94.52	-1,355.88	-6,232.91	959.70	565.22	394.48	2.433		
13,900.00	6,886.51	13,948.54	6,961.17	202.93	198.55	-94.48	-1,358.37	-6,332.85	958.49	558.39	400.10	2.396		
14,000.00	6,885.20	14,048.53	6,959.07	205.74	201.36	-94.44	-1,360.87	-6,432.78	957.28	551.56	405.72	2.359		
14,100.00	6,883.88	14,148.52	6,956.96	208.55	204.17	-94.39	-1,363.36	-6,532.72	956.07	544.73	411.34	2.324		
14,200.00	6,882.57	14,248.51	6,954.85	211.35	206.97	-94.35	-1,365.86	-6,632.66	954.87	537.90	416.97	2.290		

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 13N-6B-M
<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 13N-6B-M	<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 - Boomerang 34N-6C-M - OH - Plan #1												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 0-MWD+IFR1												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,300.00	6,881.25	14,348.50	6,952.74	214.16	209.78	-94.31	-1,368.35	-6,732.59	953.66	531.06	422.60	2.257	
14,400.00	6,879.94	14,448.49	6,950.63	216.97	212.59	-94.27	-1,370.85	-6,832.53	952.45	524.23	428.23	2.224	
14,500.00	6,878.62	14,548.48	6,948.53	219.78	215.40	-94.22	-1,373.34	-6,932.47	951.25	517.39	433.86	2.193	
14,600.00	6,877.31	14,648.47	6,946.42	222.59	218.22	-94.18	-1,375.84	-7,032.40	950.04	510.55	439.50	2.162	
14,700.00	6,875.99	14,748.46	6,944.31	225.41	221.03	-94.14	-1,378.33	-7,132.34	948.84	503.71	445.13	2.132	
14,800.00	6,874.68	14,848.45	6,942.20	228.22	223.84	-94.10	-1,380.83	-7,232.28	947.64	496.86	450.77	2.102	
14,900.00	6,873.36	14,948.44	6,940.09	231.03	226.66	-94.05	-1,383.32	-7,332.21	946.43	490.02	456.41	2.074	
15,000.00	6,872.05	15,048.43	6,937.98	233.85	229.47	-94.01	-1,385.82	-7,432.15	945.23	483.17	462.06	2.046	
15,100.00	6,870.73	15,148.42	6,935.88	236.66	232.29	-93.97	-1,388.31	-7,532.09	944.03	476.33	467.70	2.018	
15,200.00	6,869.42	15,248.41	6,933.77	239.48	235.10	-93.92	-1,390.81	-7,632.03	942.82	469.48	473.35	1.992	
15,300.00	6,868.11	15,348.40	6,931.66	242.29	237.92	-93.88	-1,393.30	-7,731.96	941.62	462.63	478.99	1.966	
15,400.00	6,866.79	15,448.39	6,929.55	245.11	240.74	-93.84	-1,395.80	-7,831.90	940.42	455.78	484.64	1.940	
15,460.11	6,866.00	15,508.50	6,928.28	246.80	242.43	-93.81	-1,397.30	-7,891.97	939.70	451.66	488.04	1.925	
15,460.74	6,865.99	15,509.12	6,928.27	246.82	242.45	-93.81	-1,397.31	-7,892.60	939.69	451.62	488.08	1.925 SF	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-99.99	-778.11	-4,416.00	4,484.03					
100.00	100.00	110.00	110.00	3.28	3.89	-99.99	-778.11	-4,416.00	4,484.03	4,476.85	7.18	624.825		
200.00	200.00	210.00	210.00	3.34	6.48	-99.99	-778.11	-4,416.00	4,484.03	4,474.21	9.81	456.878		
300.00	299.98	309.98	309.98	3.44	9.65	161.00	-778.11	-4,416.00	4,485.68	4,472.58	13.09	342.607		
400.00	399.84	409.84	409.84	3.60	12.98	160.99	-778.11	-4,416.00	4,490.62	4,474.04	16.58	270.816		
500.00	499.45	509.45	509.45	3.80	16.37	160.98	-778.11	-4,416.00	4,498.87	4,478.69	20.17	222.998		
584.50	583.35	606.65	593.35	4.01	19.71	160.95	-778.11	-4,416.00	4,508.39	4,484.68	23.72	190.092		
600.00	598.71	608.71	608.71	4.05	19.78	160.96	-778.11	-4,416.00	4,510.36	4,486.53	23.83	189.269		
700.00	697.81	707.81	707.81	4.33	23.20	161.02	-778.11	-4,416.00	4,523.02	4,495.50	27.52	164.341		
800.00	796.91	806.91	806.91	4.64	26.63	161.07	-778.11	-4,416.00	4,535.69	4,504.44	31.25	145.128		
900.00	896.01	906.01	906.01	4.98	30.06	161.13	-778.11	-4,416.00	4,548.36	4,513.35	35.01	129.901		
1,000.00	995.11	1,005.11	1,005.11	5.34	33.50	161.18	-778.11	-4,416.00	4,561.04	4,522.24	38.80	117.555		
1,100.00	1,094.21	1,104.21	1,104.21	5.71	36.95	161.24	-778.11	-4,416.00	4,573.72	4,531.11	42.60	107.356		
1,200.00	1,193.31	1,203.31	1,203.31	6.10	40.40	161.29	-778.11	-4,416.00	4,586.40	4,539.98	46.42	98.797		
1,300.00	1,292.41	1,302.41	1,302.41	6.49	43.84	161.34	-778.11	-4,416.00	4,599.09	4,548.83	50.25	91.516		
1,400.00	1,391.51	1,401.51	1,401.51	6.90	47.30	161.40	-778.11	-4,416.00	4,611.78	4,557.68	54.10	85.251		
1,500.00	1,490.61	1,500.61	1,500.61	7.31	50.75	161.45	-778.11	-4,416.00	4,624.47	4,566.53	57.95	79.805		
1,600.00	1,589.71	1,600.29	1,599.71	7.73	54.22	161.50	-778.11	-4,416.00	4,637.17	4,575.35	61.82	75.005		
1,700.00	1,688.81	1,701.19	1,698.81	8.16	57.74	161.55	-778.11	-4,416.00	4,649.88	4,584.13	65.75	70.719		
1,800.00	1,787.92	1,802.08	1,797.92	8.59	61.25	161.61	-778.11	-4,416.00	4,662.58	4,592.90	69.68	66.911		
1,900.00	1,887.02	1,902.98	1,897.02	9.02	64.77	161.66	-778.11	-4,416.00	4,675.30	4,601.68	73.62	63.507		
2,000.00	1,986.12	2,003.88	1,996.12	9.46	68.29	161.71	-778.11	-4,416.00	4,688.01	4,610.45	77.56	60.444		
2,100.00	2,085.22	2,104.78	2,095.22	9.90	71.81	161.76	-778.11	-4,416.00	4,700.73	4,619.23	81.50	57.676		
2,200.00	2,184.32	2,205.68	2,194.32	10.34	75.33	161.81	-778.11	-4,416.00	4,713.45	4,628.00	85.45	55.161		
2,300.00	2,283.42	2,306.58	2,293.42	10.78	78.85	161.86	-778.11	-4,416.00	4,726.18	4,636.78	89.40	52.867		
2,400.00	2,382.52	2,407.48	2,392.52	11.23	82.37	161.91	-778.11	-4,416.00	4,738.91	4,645.56	93.35	50.766		
2,500.00	2,481.62	2,508.38	2,491.62	11.68	85.88	161.96	-778.11	-4,416.00	4,751.64	4,654.34	97.30	48.835		
2,600.00	2,580.72	2,609.28	2,590.72	12.13	89.40	162.01	-778.11	-4,416.00	4,764.37	4,663.12	101.25	47.053		
2,700.00	2,679.82	2,689.82	2,689.82	12.58	92.21	162.06	-778.11	-4,416.00	4,777.11	4,672.61	104.50	45.714		
2,800.00	2,778.92	2,788.92	2,788.92	13.03	95.67	162.11	-778.11	-4,416.00	4,789.86	4,681.46	108.39	44.189		
2,900.00	2,878.02	2,888.02	2,888.02	13.48	99.13	162.16	-778.11	-4,416.00	4,802.60	4,690.31	112.29	42.769		
3,000.00	2,977.12	2,987.12	2,987.12	13.94	102.59	162.21	-778.11	-4,416.00	4,815.36	4,699.17	116.19	41.445		
3,100.00	3,076.22	3,086.22	3,086.22	14.39	106.05	162.26	-778.11	-4,416.00	4,828.11	4,708.02	120.09	40.206		
3,200.00	3,175.32	3,185.32	3,185.32	14.85	109.50	162.31	-778.11	-4,416.00	4,840.87	4,716.88	123.98	39.044		
3,300.00	3,274.43	3,284.43	3,284.43	15.30	112.96	162.35	-778.11	-4,416.00	4,853.63	4,725.74	127.88	37.953		
3,400.00	3,373.53	3,383.53	3,383.53	15.76	116.42	162.40	-778.11	-4,416.00	4,866.39	4,734.61	131.78	36.927		
3,500.00	3,472.63	3,482.63	3,482.63	16.22	119.88	162.45	-778.11	-4,416.00	4,879.16	4,743.47	135.69	35.959		
3,600.00	3,571.73	3,581.73	3,581.73	16.68	123.34	162.50	-778.11	-4,416.00	4,891.93	4,752.34	139.59	35.046		
3,700.00	3,670.83	3,680.83	3,680.83	17.14	126.79	162.54	-778.11	-4,416.00	4,904.70	4,761.21	143.49	34.182		
3,800.00	3,769.93	3,779.93	3,779.93	17.59	130.25	162.59	-778.11	-4,416.00	4,917.48	4,770.09	147.39	33.363		
3,900.00	3,869.03	3,879.03	3,879.03	18.05	133.71	162.64	-778.11	-4,416.00	4,930.26	4,778.96	151.30	32.587		
4,000.00	3,968.13	3,978.13	3,978.13	18.51	137.17	162.68	-778.11	-4,416.00	4,943.04	4,787.84	155.20	31.849		
4,100.00	4,067.23	4,077.23	4,077.23	18.98	140.63	162.73	-778.11	-4,416.00	4,955.83	4,796.72	159.10	31.148		
4,200.00	4,166.33	4,176.33	4,176.33	19.44	144.09	162.77	-778.11	-4,416.00	4,968.62	4,805.61	163.01	30.481		
4,300.00	4,265.43	4,275.43	4,275.43	19.90	147.55	162.82	-778.11	-4,416.00	4,981.41	4,814.50	166.91	29.844		
4,400.00	4,364.53	4,374.53	4,374.53	20.36	151.01	162.86	-778.11	-4,416.00	4,994.21	4,823.39	170.82	29.237		
4,500.00	4,463.63	4,473.63	4,473.63	20.82	154.46	162.91	-778.11	-4,416.00	5,007.00	4,832.28	174.73	28.656		
4,600.00	4,562.73	4,572.73	4,572.73	21.28	157.92	162.95	-778.11	-4,416.00	5,019.81	4,841.18	178.63	28.102		
4,700.00	4,661.83	4,671.83	4,671.83	21.75	161.38	163.00	-778.11	-4,416.00	5,032.61	4,850.07	182.54	27.570		
4,800.00	4,760.93	4,770.93	4,770.93	22.21	164.84	163.04	-778.11	-4,416.00	5,045.42	4,858.98	186.44	27.061		
4,900.00	4,860.04	4,870.04	4,870.04	22.67	168.30	163.09	-778.11	-4,416.00	5,058.23	4,867.88	190.35	26.573		
5,000.00	4,959.14	4,969.14	4,969.14	23.13	171.76	163.13	-778.11	-4,416.00	5,071.04	4,876.79	194.26	26.105		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,068.24	5,068.24	23.60	175.22	163.18	-778.11	-4,416.00	5,083.86	4,885.70	198.16	25.655		
5,200.00	5,157.34	5,167.34	5,167.34	24.06	178.68	163.22	-778.11	-4,416.00	5,096.68	4,894.61	202.07	25.222		
5,300.00	5,256.44	5,266.44	5,266.44	24.52	182.14	163.26	-778.11	-4,416.00	5,109.50	4,903.52	205.98	24.806		
5,400.00	5,355.54	5,365.54	5,365.54	24.99	185.59	163.31	-778.11	-4,416.00	5,122.33	4,912.44	209.89	24.405		
5,500.00	5,454.64	5,464.64	5,464.64	25.45	189.05	163.35	-778.11	-4,416.00	5,135.16	4,921.36	213.80	24.019		
5,600.00	5,553.74	5,563.74	5,563.74	25.92	192.51	163.39	-778.11	-4,416.00	5,147.99	4,930.28	217.70	23.647		
5,700.00	5,652.84	5,662.84	5,662.84	26.38	195.97	163.43	-778.11	-4,416.00	5,160.82	4,939.21	221.61	23.288		
5,800.00	5,751.94	5,761.94	5,761.94	26.84	199.43	163.48	-778.11	-4,416.00	5,173.66	4,948.14	225.52	22.941		
5,900.00	5,851.04	5,861.04	5,861.04	27.31	202.89	163.52	-778.11	-4,416.00	5,186.50	4,957.07	229.43	22.606		
6,000.00	5,950.14	5,960.14	5,960.14	27.77	206.35	163.56	-778.11	-4,416.00	5,199.34	4,966.00	233.34	22.282		
6,100.00	6,049.24	6,059.24	6,059.24	28.24	209.81	163.60	-778.11	-4,416.00	5,212.18	4,974.94	237.25	21.970		
6,200.00	6,148.34	6,158.34	6,158.34	28.70	213.27	163.64	-778.11	-4,416.00	5,225.03	4,983.88	241.16	21.667		
6,304.69	6,252.09	6,262.09	6,262.09	29.19	216.89	163.69	-778.11	-4,416.00	5,238.48	4,993.24	245.25	21.360		
6,350.00	6,297.17	6,307.17	6,307.17	29.39	218.46	151.67	-778.11	-4,416.00	5,242.71	4,995.69	247.02	21.224		
6,400.00	6,347.13	6,357.13	6,357.13	29.59	220.21	50.24	-778.11	-4,416.00	5,243.65	4,994.69	248.97	21.062		
6,450.00	6,397.02	6,407.02	6,407.02	29.78	221.95	10.05	-778.11	-4,416.00	5,240.69	4,989.80	250.89	20.888		
6,500.00	6,446.53	6,456.53	6,456.53	29.96	223.68	3.40	-778.11	-4,416.00	5,233.83	4,981.04	252.79	20.704		
6,550.00	6,495.35	6,505.35	6,505.35	30.14	225.38	0.74	-778.11	-4,416.00	5,223.13	4,968.47	254.65	20.511		
6,600.00	6,543.19	6,553.19	6,553.19	30.33	227.05	-0.74	-778.11	-4,416.00	5,208.64	4,952.17	256.47	20.309		
6,650.00	6,589.76	6,600.24	6,599.76	30.52	228.69	-1.74	-778.11	-4,416.00	5,190.46	4,932.22	258.24	20.099		
6,700.00	6,634.75	6,644.75	6,644.75	30.71	230.25	-2.53	-778.11	-4,416.00	5,168.70	4,908.78	259.91	19.886		
6,750.00	6,677.90	6,687.90	6,687.90	30.91	231.75	-3.21	-778.11	-4,416.00	5,143.49	4,881.97	261.52	19.667		
6,800.00	6,718.94	6,728.94	6,728.94	31.13	233.19	-3.86	-778.11	-4,416.00	5,114.99	4,851.94	263.05	19.445		
6,850.00	6,757.62	6,767.62	6,767.62	31.36	234.54	-4.53	-778.11	-4,416.00	5,083.38	4,818.90	264.47	19.221		
6,900.00	6,793.70	6,803.70	6,803.70	31.61	235.79	-5.27	-778.11	-4,416.00	5,048.84	4,783.04	265.80	18.995		
6,950.00	6,826.95	6,836.95	6,836.95	31.88	236.96	-6.12	-778.11	-4,416.00	5,011.60	4,744.59	267.01	18.769		
7,000.00	6,857.18	6,867.18	6,867.18	32.19	238.01	-7.16	-778.11	-4,416.00	4,971.88	4,703.78	268.11	18.544		
7,050.00	6,884.18	6,894.18	6,894.18	32.52	239.36	-8.47	-778.11	-4,416.00	4,929.93	4,660.45	269.49	18.294		
7,100.00	6,907.81	6,917.81	6,917.81	32.90	239.78	-10.21	-778.11	-4,416.00	4,886.01	4,616.08	269.93	18.101		
7,150.00	6,927.91	6,937.91	6,937.91	33.32	240.48	-12.64	-778.11	-4,416.00	4,840.39	4,569.74	270.65	17.885		
7,200.00	6,944.36	6,954.36	6,954.36	33.77	241.05	-16.27	-778.11	-4,416.00	4,793.35	4,522.12	271.23	17.672		
7,250.00	6,957.05	6,967.05	6,967.05	34.27	241.50	-22.24	-778.11	-4,416.00	4,745.18	4,473.50	271.68	17.466		
7,300.00	6,965.92	6,975.92	6,975.92	34.80	241.81	-33.39	-778.11	-4,416.00	4,696.19	4,424.19	272.00	17.265		
7,350.00	6,970.89	6,980.89	6,980.89	35.37	241.98	-57.36	-778.11	-4,416.00	4,646.66	4,374.48	272.18	17.072		
7,396.89	6,972.00	6,982.00	6,982.00	35.93	242.02	-97.69	-778.11	-4,416.00	4,600.00	4,327.78	272.23	16.898		
7,400.00	6,971.96	6,981.96	6,981.96	35.97	242.02	-97.69	-778.11	-4,416.00	4,596.91	4,324.69	272.23	16.886		
7,500.00	6,970.65	6,980.65	6,980.65	37.28	241.97	-97.52	-778.11	-4,416.00	4,497.40	4,225.20	272.20	16.522		
7,600.00	6,969.33	6,979.33	6,979.33	38.76	241.93	-97.36	-778.11	-4,416.00	4,397.91	4,125.73	272.19	16.158		
7,700.00	6,968.02	6,978.02	6,978.02	40.39	241.88	-97.19	-778.11	-4,416.00	4,298.45	4,026.27	272.18	15.793		
7,800.00	6,966.70	6,976.70	6,976.70	42.15	241.83	-97.02	-778.11	-4,416.00	4,199.01	3,926.83	272.17	15.428		
7,900.00	6,965.39	6,975.39	6,975.39	44.02	241.79	-96.86	-778.11	-4,416.00	4,099.60	3,827.42	272.18	15.062		
8,000.00	6,964.07	6,974.07	6,974.07	45.99	241.74	-96.69	-778.11	-4,416.00	4,000.21	3,728.02	272.19	14.696		
8,100.00	6,962.76	6,972.76	6,972.76	48.05	241.70	-96.52	-778.11	-4,416.00	3,900.86	3,628.65	272.21	14.330		
8,200.00	6,961.45	6,971.45	6,971.45	50.19	241.65	-96.36	-778.11	-4,416.00	3,801.54	3,529.30	272.24	13.964		
8,300.00	6,960.13	6,970.13	6,970.13	52.39	241.60	-96.19	-778.11	-4,416.00	3,702.25	3,429.97	272.29	13.597		
8,400.00	6,958.82	6,968.82	6,968.82	54.65	241.56	-96.02	-778.11	-4,416.00	3,603.01	3,330.67	272.34	13.230		
8,500.00	6,957.50	6,967.50	6,967.50	56.97	241.51	-95.86	-778.11	-4,416.00	3,503.81	3,231.40	272.41	12.862		
8,600.00	6,956.19	6,966.19	6,966.19	59.33	241.47	-95.69	-778.11	-4,416.00	3,404.65	3,132.16	272.49	12.494		
8,700.00	6,954.87	6,964.87	6,964.87	61.73	241.42	-95.52	-778.11	-4,416.00	3,305.55	3,032.95	272.60	12.126		
8,800.00	6,953.56	6,963.56	6,963.56	64.16	241.38	-95.35	-778.11	-4,416.00	3,206.49	2,933.78	272.72	11.758		
8,900.00	6,952.24	6,962.24	6,962.24	66.63	241.33	-95.19	-778.11	-4,416.00	3,107.50	2,834.64	272.86	11.388		
9,000.00	6,950.93	6,960.93	6,960.93	69.13	241.28	-95.02	-778.11	-4,416.00	3,008.58	2,735.54	273.04	11.019		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	6,959.61	6,959.61	71.65	241.24	-94.85	-778.11	-4,416.00	2,909.73	2,636.49	273.24	10.649		
9,200.00	6,948.30	6,958.30	6,958.30	74.20	241.19	-94.68	-778.11	-4,416.00	2,810.96	2,537.49	273.47	10.279		
9,300.00	6,946.98	6,956.98	6,956.98	76.77	241.15	-94.51	-778.11	-4,416.00	2,712.28	2,438.53	273.74	9.908		
9,400.00	6,945.67	6,955.67	6,955.67	79.35	241.10	-94.35	-778.11	-4,416.00	2,613.69	2,339.63	274.06	9.537		
9,500.00	6,944.35	6,954.35	6,954.35	81.95	241.05	-94.18	-778.11	-4,416.00	2,515.22	2,240.79	274.43	9.165		
9,600.00	6,943.04	6,953.04	6,953.04	84.57	241.01	-94.01	-778.11	-4,416.00	2,416.88	2,142.02	274.86	8.793		
9,700.00	6,941.73	6,951.73	6,951.73	87.21	240.96	-93.84	-778.11	-4,416.00	2,318.67	2,043.32	275.35	8.421		
9,800.00	6,940.41	6,950.41	6,950.41	89.85	240.92	-93.67	-778.11	-4,416.00	2,220.63	1,944.70	275.93	8.048		
9,900.00	6,939.10	6,949.10	6,949.10	92.51	240.87	-93.50	-778.11	-4,416.00	2,122.76	1,846.16	276.60	7.674		
10,000.00	6,937.78	6,947.78	6,947.78	95.17	240.82	-93.34	-778.11	-4,416.00	2,025.11	1,747.73	277.38	7.301		
10,100.00	6,936.47	6,946.47	6,946.47	97.85	240.78	-93.17	-778.11	-4,416.00	1,927.69	1,649.40	278.29	6.927		
10,200.00	6,935.15	6,945.15	6,945.15	100.54	240.73	-93.00	-778.11	-4,416.00	1,830.55	1,551.20	279.35	6.553		
10,300.00	6,933.84	6,943.84	6,943.84	103.23	240.69	-92.83	-778.11	-4,416.00	1,733.74	1,453.15	280.59	6.179		
10,400.00	6,932.52	6,942.52	6,942.52	105.93	240.64	-92.66	-778.11	-4,416.00	1,637.31	1,355.26	282.05	5.805		
10,500.00	6,931.21	6,941.21	6,941.21	108.64	240.59	-92.49	-778.11	-4,416.00	1,541.33	1,257.56	283.77	5.432		
10,600.00	6,929.89	6,939.89	6,939.89	111.36	240.55	-92.32	-778.11	-4,416.00	1,445.89	1,160.10	285.79	5.059		
10,700.00	6,928.58	6,938.58	6,938.58	114.08	240.50	-92.16	-778.11	-4,416.00	1,351.12	1,062.92	288.20	4.688		
10,800.00	6,927.26	6,937.26	6,937.26	116.81	240.46	-91.99	-778.11	-4,416.00	1,257.15	966.10	291.05	4.319		
10,900.00	6,925.95	6,935.95	6,935.95	119.54	240.41	-91.82	-778.11	-4,416.00	1,164.19	869.72	294.47	3.953		
11,000.00	6,924.64	6,934.64	6,934.64	122.28	240.37	-91.65	-778.11	-4,416.00	1,072.49	773.92	298.57	3.592		
11,100.00	6,923.32	6,933.32	6,933.32	125.02	240.32	-91.48	-778.11	-4,416.00	982.41	678.89	303.52	3.237		
11,200.00	6,922.01	6,932.01	6,932.01	127.77	240.27	-91.31	-778.11	-4,416.00	894.44	584.94	309.50	2.890		
11,300.00	6,920.69	6,930.69	6,930.69	130.52	240.23	-91.14	-778.11	-4,416.00	809.27	492.53	316.74	2.555		
11,400.00	6,919.38	6,929.38	6,929.38	133.28	240.18	-90.97	-778.11	-4,416.00	727.88	402.37	325.50	2.236		
11,500.00	6,918.06	6,928.06	6,928.06	136.04	240.14	-90.80	-778.11	-4,416.00	651.68	315.70	335.98	1.940		
11,600.00	6,916.75	6,926.75	6,926.75	138.80	240.09	-90.64	-778.11	-4,416.00	582.72	234.54	348.18	1.674		
11,700.00	6,915.43	6,925.43	6,925.43	141.56	240.04	-90.47	-778.11	-4,416.00	523.87	162.26	361.62	1.449 Level 3		
11,800.00	6,914.12	6,924.12	6,924.12	144.33	240.00	-90.30	-778.11	-4,416.00	478.87	104.06	374.81	1.278 Level 3		
11,900.00	6,912.80	6,922.80	6,922.80	147.10	239.95	-90.13	-778.11	-4,416.00	451.87	66.78	385.09	1.173 Level 2		
11,975.67	6,911.81	6,921.81	6,921.81	149.20	239.92	-90.00	-778.11	-4,416.00	445.49	56.37	389.12	1.145 Level 2, CC, ES, SF		
12,000.00	6,911.49	6,921.49	6,921.49	149.88	239.91	-89.96	-778.11	-4,416.00	446.16	56.59	389.56	1.145 Level 2		
12,100.00	6,910.17	6,920.17	6,920.17	152.65	239.86	-89.79	-778.11	-4,416.00	462.51	75.41	387.11	1.195 Level 2		
12,200.00	6,908.86	6,918.86	6,918.86	155.43	239.81	-89.62	-778.11	-4,416.00	498.78	119.47	379.31	1.315 Level 3		
12,300.00	6,907.54	6,917.54	6,917.54	158.21	239.77	-89.45	-778.11	-4,416.00	551.03	182.07	368.96	1.493 Level 3		
12,400.00	6,906.23	6,916.23	6,916.23	160.99	239.72	-89.28	-778.11	-4,416.00	615.21	256.96	358.25	1.717		
12,500.00	6,904.92	6,914.92	6,914.92	163.78	239.68	-89.11	-778.11	-4,416.00	687.99	339.63	348.37	1.975		
12,600.00	6,903.60	6,913.60	6,913.60	166.57	239.63	-88.94	-778.11	-4,416.00	766.93	427.23	339.70	2.258		
12,700.00	6,902.29	6,912.29	6,912.29	169.35	239.59	-88.78	-778.11	-4,416.00	850.31	518.03	332.28	2.559		
12,800.00	6,900.97	6,910.97	6,910.97	172.14	239.54	-88.61	-778.11	-4,416.00	936.94	610.96	325.99	2.874		
12,900.00	6,899.66	6,909.66	6,909.66	174.94	239.49	-88.44	-778.11	-4,416.00	1,026.01	705.37	320.65	3.200		
13,000.00	6,898.34	6,908.34	6,908.34	177.73	239.45	-88.27	-778.11	-4,416.00	1,116.93	800.83	316.10	3.533		
13,100.00	6,897.03	6,907.03	6,907.03	180.53	239.40	-88.10	-778.11	-4,416.00	1,209.28	897.06	312.22	3.873		
13,200.00	6,895.71	6,905.71	6,905.71	183.32	239.36	-87.93	-778.11	-4,416.00	1,302.76	993.88	308.88	4.218		
13,300.00	6,894.40	6,904.40	6,904.40	186.12	239.31	-87.76	-778.11	-4,416.00	1,397.14	1,091.16	305.99	4.566		
13,400.00	6,893.08	6,903.08	6,903.08	188.92	239.26	-87.59	-778.11	-4,416.00	1,492.26	1,188.79	303.47	4.917		
13,500.00	6,891.77	6,901.77	6,901.77	191.72	239.22	-87.42	-778.11	-4,416.00	1,587.97	1,286.70	301.27	5.271		
13,600.00	6,890.45	6,900.45	6,900.45	194.52	239.17	-87.26	-778.11	-4,416.00	1,684.18	1,384.85	299.33	5.627		
13,700.00	6,889.14	6,900.45	6,899.14	197.32	239.19	-87.09	-778.11	-4,416.00	1,780.80	1,483.13	297.67	5.982		
13,800.00	6,887.82	6,902.18	6,897.82	200.13	239.23	-86.92	-778.11	-4,416.00	1,877.78	1,581.55	296.24	6.339		
13,900.00	6,886.51	6,903.49	6,896.51	202.93	239.28	-86.75	-778.11	-4,416.00	1,975.06	1,680.10	294.96	6.696		
14,000.00	6,885.20	6,904.80	6,895.20	205.74	239.32	-86.58	-778.11	-4,416.00	2,072.60	1,778.76	293.83	7.054		
14,100.00	6,883.88	6,906.12	6,893.88	208.55	239.37	-86.41	-778.11	-4,416.00	2,170.36	1,877.53	292.83	7.412		

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 13N-6B-M
<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 13N-6B-M	<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 - FRAKER #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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	6,882.57	6,907.43	6,892.57	211.35	239.42	-86.24	-778.11	-4,416.00	2,268.31	1,976.39	291.92	7.770	
14,300.00	6,881.25	6,908.75	6,891.25	214.16	239.46	-86.08	-778.11	-4,416.00	2,366.44	2,075.32	291.11	8.129	
14,400.00	6,879.94	6,889.94	6,889.94	216.97	238.81	-85.91	-778.11	-4,416.00	2,464.71	2,175.03	289.68	8.508	
14,500.00	6,878.62	6,888.62	6,888.62	219.78	238.76	-85.74	-778.11	-4,416.00	2,563.12	2,274.18	288.94	8.871	
14,600.00	6,877.31	6,887.31	6,887.31	222.59	238.71	-85.57	-778.11	-4,416.00	2,661.65	2,373.39	288.26	9.234	
14,700.00	6,875.99	6,885.99	6,885.99	225.41	238.67	-85.40	-778.11	-4,416.00	2,760.28	2,472.65	287.63	9.597	
14,800.00	6,874.68	6,884.68	6,884.68	228.22	238.62	-85.24	-778.11	-4,416.00	2,859.01	2,571.95	287.06	9.960	
14,900.00	6,873.36	6,883.36	6,883.36	231.03	238.58	-85.07	-778.11	-4,416.00	2,957.82	2,671.29	286.53	10.323	
15,000.00	6,872.05	6,882.05	6,882.05	233.85	238.53	-84.90	-778.11	-4,416.00	3,056.71	2,770.66	286.04	10.686	
15,100.00	6,870.73	6,880.73	6,880.73	236.66	238.48	-84.73	-778.11	-4,416.00	3,155.66	2,870.07	285.59	11.050	
15,200.00	6,869.42	6,879.42	6,879.42	239.48	238.44	-84.57	-778.11	-4,416.00	3,254.68	2,969.51	285.17	11.413	
15,300.00	6,868.11	6,878.11	6,878.11	242.29	238.39	-84.40	-778.11	-4,416.00	3,353.76	3,068.97	284.79	11.776	
15,400.00	6,866.79	6,876.79	6,876.79	245.11	238.35	-84.23	-778.11	-4,416.00	3,452.89	3,168.46	284.43	12.140	
15,460.11	6,866.00	6,876.00	6,876.00	246.80	238.32	-84.13	-778.11	-4,416.00	3,512.51	3,228.28	284.23	12.358	
15,460.74	6,865.99	6,875.99	6,875.99	246.82	238.32	-84.13	-778.11	-4,416.00	3,513.12	3,228.90	284.23	12.360	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-84.64	398.55	-4,245.98	4,264.78					
100.00	100.00	66.00	66.00	3.28	1.15	-84.64	398.55	-4,245.98	4,264.64	4,260.21	4.44	961.196		
200.00	200.00	166.00	166.00	3.34	4.05	-84.64	398.55	-4,245.98	4,264.64	4,257.26	7.39	577.349		
300.00	299.98	265.98	265.98	3.44	7.54	176.36	398.55	-4,245.98	4,266.39	4,255.40	10.98	388.480		
400.00	399.84	365.84	365.84	3.60	11.03	176.36	398.55	-4,245.98	4,271.61	4,256.98	14.62	292.079		
500.00	499.45	465.45	465.45	3.80	14.50	176.36	398.55	-4,245.98	4,280.31	4,262.00	18.31	233.813		
584.50	583.35	549.35	549.35	4.01	17.43	176.35	398.55	-4,245.98	4,290.36	4,268.92	21.44	200.102		
600.00	598.71	564.71	564.71	4.05	17.97	176.35	398.55	-4,245.98	4,292.43	4,270.41	22.02	194.933		
700.00	697.81	663.81	663.81	4.33	21.43	176.36	398.55	-4,245.98	4,305.78	4,280.03	25.75	167.213		
800.00	796.91	762.91	762.91	4.64	24.89	176.38	398.55	-4,245.98	4,319.14	4,289.63	29.51	146.368		
900.00	896.01	862.01	862.01	4.98	28.35	176.39	398.55	-4,245.98	4,332.49	4,299.20	33.29	130.143		
1,000.00	995.11	961.11	961.11	5.34	31.81	176.40	398.55	-4,245.98	4,345.85	4,308.76	37.09	117.168		
1,100.00	1,094.21	1,060.21	1,060.21	5.71	35.27	176.41	398.55	-4,245.98	4,359.20	4,318.30	40.91	106.565		
1,200.00	1,193.31	1,159.31	1,159.31	6.10	38.73	176.42	398.55	-4,245.98	4,372.56	4,327.82	44.74	97.743		
1,300.00	1,292.41	1,258.41	1,258.41	6.49	42.19	176.43	398.55	-4,245.98	4,385.91	4,337.34	48.57	90.293		
1,400.00	1,391.51	1,357.51	1,357.51	6.90	45.65	176.44	398.55	-4,245.98	4,399.27	4,346.85	52.42	83.920		
1,500.00	1,490.61	1,456.61	1,456.61	7.31	49.10	176.45	398.55	-4,245.98	4,412.63	4,356.35	56.28	78.409		
1,600.00	1,589.71	1,555.71	1,555.71	7.73	52.56	176.46	398.55	-4,245.98	4,425.98	4,365.84	60.14	73.597		
1,700.00	1,688.81	1,654.81	1,654.81	8.16	56.02	176.47	398.55	-4,245.98	4,439.34	4,375.33	64.00	69.359		
1,800.00	1,787.92	1,753.92	1,753.92	8.59	59.48	176.48	398.55	-4,245.98	4,452.69	4,384.82	67.88	65.601		
1,900.00	1,887.02	1,853.02	1,853.02	9.02	62.94	176.50	398.55	-4,245.98	4,466.05	4,394.30	71.75	62.244		
2,000.00	1,986.12	1,952.12	1,952.12	9.46	66.40	176.51	398.55	-4,245.98	4,479.41	4,403.78	75.63	59.229		
2,100.00	2,085.22	2,051.22	2,051.22	9.90	69.86	176.52	398.55	-4,245.98	4,492.77	4,413.26	79.51	56.506		
2,200.00	2,184.32	2,150.32	2,150.32	10.34	73.32	176.53	398.55	-4,245.98	4,506.12	4,422.73	83.39	54.035		
2,300.00	2,283.42	2,249.42	2,249.42	10.78	76.78	176.54	398.55	-4,245.98	4,519.48	4,432.20	87.28	51.782		
2,400.00	2,382.52	2,348.52	2,348.52	11.23	80.24	176.55	398.55	-4,245.98	4,532.84	4,441.67	91.17	49.720		
2,500.00	2,481.62	2,447.62	2,447.62	11.68	83.70	176.56	398.55	-4,245.98	4,546.19	4,451.14	95.06	47.826		
2,600.00	2,580.72	2,546.72	2,546.72	12.13	87.16	176.57	398.55	-4,245.98	4,559.55	4,460.60	98.95	46.081		
2,700.00	2,679.82	2,645.82	2,645.82	12.58	90.62	176.58	398.55	-4,245.98	4,572.91	4,470.07	102.84	44.466		
2,800.00	2,778.92	2,744.92	2,744.92	13.03	94.08	176.59	398.55	-4,245.98	4,586.27	4,479.53	106.73	42.969		
2,900.00	2,878.02	2,844.02	2,844.02	13.48	97.54	176.60	398.55	-4,245.98	4,599.63	4,489.00	110.63	41.577		
3,000.00	2,977.12	2,943.12	2,943.12	13.94	101.00	176.61	398.55	-4,245.98	4,612.98	4,498.46	114.52	40.280		
3,100.00	3,076.22	3,042.22	3,042.22	14.39	104.46	176.62	398.55	-4,245.98	4,626.34	4,507.92	118.42	39.067		
3,200.00	3,175.32	3,141.32	3,141.32	14.85	107.92	176.63	398.55	-4,245.98	4,639.70	4,517.38	122.32	37.931		
3,300.00	3,274.43	3,240.43	3,240.43	15.30	111.38	176.64	398.55	-4,245.98	4,653.06	4,526.84	126.22	36.866		
3,400.00	3,373.53	3,339.53	3,339.53	15.76	114.84	176.65	398.55	-4,245.98	4,666.42	4,536.30	130.12	35.864		
3,500.00	3,472.63	3,438.63	3,438.63	16.22	118.30	176.66	398.55	-4,245.98	4,679.78	4,545.76	134.02	34.920		
3,600.00	3,571.73	3,537.73	3,537.73	16.68	121.76	176.66	398.55	-4,245.98	4,693.14	4,555.22	137.92	34.029		
3,700.00	3,670.83	3,636.83	3,636.83	17.14	125.22	176.67	398.55	-4,245.98	4,706.50	4,564.68	141.82	33.187		
3,800.00	3,769.93	3,735.93	3,735.93	17.59	128.68	176.68	398.55	-4,245.98	4,719.85	4,574.14	145.72	32.390		
3,900.00	3,869.03	3,835.03	3,835.03	18.05	132.14	176.69	398.55	-4,245.98	4,733.21	4,583.60	149.62	31.635		
4,000.00	3,968.13	3,934.13	3,934.13	18.51	135.60	176.70	398.55	-4,245.98	4,746.57	4,593.05	153.52	30.918		
4,100.00	4,067.23	4,033.23	4,033.23	18.98	139.05	176.71	398.55	-4,245.98	4,759.93	4,602.51	157.42	30.236		
4,200.00	4,166.33	4,132.33	4,132.33	19.44	142.51	176.72	398.55	-4,245.98	4,773.29	4,611.97	161.33	29.588		
4,300.00	4,265.43	4,231.43	4,231.43	19.90	145.97	176.73	398.55	-4,245.98	4,786.65	4,621.42	165.23	28.970		
4,400.00	4,364.53	4,330.53	4,330.53	20.36	149.43	176.74	398.55	-4,245.98	4,800.01	4,630.88	169.13	28.380		
4,500.00	4,463.63	4,429.63	4,429.63	20.82	152.89	176.75	398.55	-4,245.98	4,813.37	4,640.34	173.04	27.817		
4,600.00	4,562.73	4,528.73	4,528.73	21.28	156.35	176.76	398.55	-4,245.98	4,826.73	4,649.79	176.94	27.279		
4,700.00	4,661.83	4,627.83	4,627.83	21.75	159.81	176.77	398.55	-4,245.98	4,840.09	4,659.25	180.85	26.764		
4,800.00	4,760.93	4,726.93	4,726.93	22.21	163.27	176.78	398.55	-4,245.98	4,853.45	4,668.70	184.75	26.270		
4,900.00	4,860.04	4,826.04	4,826.04	22.67	166.73	176.78	398.55	-4,245.98	4,866.81	4,678.16	188.66	25.797		
5,000.00	4,959.14	4,925.14	4,925.14	23.13	170.19	176.79	398.55	-4,245.98	4,880.18	4,687.61	192.56	25.344		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,024.24	5,024.24	23.60	173.65	176.80	398.55	-4,245.98	4,893.54	4,697.07	196.47	24.908		
5,200.00	5,157.34	5,123.34	5,123.34	24.06	177.11	176.81	398.55	-4,245.98	4,906.90	4,706.53	200.37	24.489		
5,300.00	5,256.44	5,222.44	5,222.44	24.52	180.57	176.82	398.55	-4,245.98	4,920.26	4,715.98	204.28	24.086		
5,400.00	5,355.54	5,321.54	5,321.54	24.99	184.03	176.83	398.55	-4,245.98	4,933.62	4,725.44	208.18	23.699		
5,500.00	5,454.64	5,420.64	5,420.64	25.45	187.49	176.84	398.55	-4,245.98	4,946.98	4,734.89	212.09	23.325		
5,600.00	5,553.74	5,519.74	5,519.74	25.92	190.95	176.84	398.55	-4,245.98	4,960.34	4,744.35	215.99	22.965		
5,700.00	5,652.84	5,618.84	5,618.84	26.38	194.41	176.85	398.55	-4,245.98	4,973.70	4,753.80	219.90	22.618		
5,800.00	5,751.94	5,717.94	5,717.94	26.84	197.87	176.86	398.55	-4,245.98	4,987.06	4,763.26	223.81	22.283		
5,900.00	5,851.04	5,817.04	5,817.04	27.31	201.33	176.87	398.55	-4,245.98	5,000.43	4,772.71	227.71	21.959		
6,000.00	5,950.14	5,916.14	5,916.14	27.77	204.79	176.88	398.55	-4,245.98	5,013.79	4,782.17	231.62	21.647		
6,100.00	6,049.24	6,015.24	6,015.24	28.24	208.25	176.89	398.55	-4,245.98	5,027.15	4,791.62	235.53	21.344		
6,200.00	6,148.34	6,114.34	6,114.34	28.70	211.71	176.90	398.55	-4,245.98	5,040.51	4,801.08	239.43	21.052		
6,304.69	6,252.09	6,218.09	6,218.09	29.19	215.33	176.90	398.55	-4,245.98	5,054.50	4,810.98	243.53	20.756		
6,350.00	6,297.17	6,263.17	6,263.17	29.39	216.90	164.78	398.55	-4,245.98	5,058.97	4,813.67	245.30	20.624		
6,400.00	6,347.13	6,313.13	6,313.13	29.59	218.65	63.33	398.55	-4,245.98	5,060.20	4,812.96	247.25	20.466		
6,450.00	6,397.02	6,363.02	6,363.02	29.78	220.39	23.21	398.55	-4,245.98	5,057.55	4,808.38	249.17	20.297		
6,500.00	6,446.53	6,412.53	6,412.53	29.96	222.12	16.71	398.55	-4,245.98	5,051.03	4,799.96	251.07	20.118		
6,550.00	6,495.35	6,461.35	6,461.35	30.14	223.82	14.31	398.55	-4,245.98	5,040.68	4,787.75	252.93	19.929		
6,600.00	6,543.19	6,509.19	6,509.19	30.33	225.49	13.19	398.55	-4,245.98	5,026.57	4,771.82	254.75	19.732		
6,650.00	6,589.76	6,555.76	6,555.76	30.52	227.12	12.66	398.55	-4,245.98	5,008.78	4,752.28	256.50	19.527		
6,700.00	6,634.75	6,600.75	6,600.75	30.71	228.69	12.49	398.55	-4,245.98	4,987.43	4,729.24	258.19	19.317		
6,750.00	6,677.90	6,643.90	6,643.90	30.91	230.19	12.58	398.55	-4,245.98	4,962.65	4,702.85	259.80	19.102		
6,800.00	6,718.94	6,684.94	6,684.94	31.13	231.63	12.89	398.55	-4,245.98	4,934.59	4,673.27	261.32	18.883		
6,850.00	6,757.62	6,723.62	6,723.62	31.36	232.98	13.42	398.55	-4,245.98	4,903.43	4,640.69	262.74	18.663		
6,900.00	6,793.70	6,759.70	6,759.70	31.61	234.24	14.19	398.55	-4,245.98	4,869.36	4,605.30	264.06	18.440		
6,950.00	6,826.95	6,807.05	6,792.95	31.88	235.89	15.23	398.55	-4,245.98	4,832.59	4,566.82	265.77	18.184		
7,000.00	6,857.18	6,823.18	6,823.18	32.19	236.45	16.64	398.55	-4,245.98	4,793.35	4,526.98	266.37	17.995		
7,050.00	6,884.18	6,850.18	6,850.18	32.52	237.39	18.51	398.55	-4,245.98	4,751.89	4,484.54	267.34	17.775		
7,100.00	6,907.81	6,873.81	6,873.81	32.90	238.22	21.07	398.55	-4,245.98	4,708.45	4,440.26	268.19	17.556		
7,150.00	6,927.91	6,906.09	6,893.91	33.32	239.35	24.64	398.55	-4,245.98	4,663.32	4,393.98	269.34	17.314		
7,200.00	6,944.36	6,910.36	6,910.36	33.77	239.50	29.81	398.55	-4,245.98	4,616.76	4,347.26	269.50	17.131		
7,250.00	6,957.05	6,923.05	6,923.05	34.27	239.94	37.68	398.55	-4,245.98	4,569.07	4,299.12	269.96	16.925		
7,300.00	6,965.92	6,931.92	6,931.92	34.80	240.25	50.21	398.55	-4,245.98	4,520.55	4,250.26	270.28	16.725		
7,350.00	6,970.89	6,936.89	6,936.89	35.37	240.42	70.00	398.55	-4,245.98	4,471.48	4,201.01	270.47	16.532		
7,396.89	6,972.00	6,938.00	6,938.00	35.93	240.46	94.53	398.55	-4,245.98	4,425.24	4,154.71	270.53	16.358		
7,400.00	6,971.96	6,937.96	6,937.96	35.97	240.46	94.53	398.55	-4,245.98	4,422.18	4,151.65	270.53	16.346		
7,500.00	6,970.65	6,936.65	6,936.65	37.28	240.41	94.42	398.55	-4,245.98	4,323.57	4,053.03	270.54	15.981		
7,600.00	6,969.33	6,935.33	6,935.33	38.76	240.37	94.32	398.55	-4,245.98	4,225.02	3,954.46	270.56	15.616		
7,700.00	6,968.02	6,934.02	6,934.02	40.39	240.32	94.22	398.55	-4,245.98	4,126.55	3,855.94	270.60	15.249		
7,800.00	6,966.70	6,932.70	6,932.70	42.15	240.28	94.11	398.55	-4,245.98	4,028.15	3,757.49	270.66	14.883		
7,900.00	6,965.39	6,931.39	6,931.39	44.02	240.23	94.01	398.55	-4,245.98	3,929.83	3,659.09	270.73	14.516		
8,000.00	6,964.07	6,930.07	6,930.07	45.99	240.18	93.91	398.55	-4,245.98	3,831.59	3,560.76	270.83	14.148		
8,100.00	6,962.76	6,928.76	6,928.76	48.05	240.14	93.80	398.55	-4,245.98	3,733.45	3,462.51	270.94	13.779		
8,200.00	6,961.45	6,927.45	6,927.45	50.19	240.09	93.70	398.55	-4,245.98	3,635.41	3,364.32	271.09	13.410		
8,300.00	6,960.13	6,926.13	6,926.13	52.39	240.05	93.60	398.55	-4,245.98	3,537.48	3,266.22	271.26	13.041		
8,400.00	6,958.82	6,924.82	6,924.82	54.65	240.00	93.49	398.55	-4,245.98	3,439.67	3,168.20	271.47	12.671		
8,500.00	6,957.50	6,923.50	6,923.50	56.97	239.95	93.39	398.55	-4,245.98	3,341.98	3,070.27	271.71	12.300		
8,600.00	6,956.19	6,922.19	6,922.19	59.33	239.91	93.29	398.55	-4,245.98	3,244.44	2,972.44	272.00	11.928		
8,700.00	6,954.87	6,920.87	6,920.87	61.73	239.86	93.18	398.55	-4,245.98	3,147.05	2,874.72	272.33	11.556		
8,800.00	6,953.56	6,919.56	6,919.56	64.16	239.82	93.08	398.55	-4,245.98	3,049.83	2,777.11	272.71	11.183		
8,900.00	6,952.24	6,918.24	6,918.24	66.63	239.77	92.97	398.55	-4,245.98	2,952.79	2,679.63	273.16	10.810		
9,000.00	6,950.93	6,916.93	6,916.93	69.13	239.72	92.87	398.55	-4,245.98	2,855.96	2,582.29	273.67	10.436		

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 13N-6B-M
<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 13N-6B-M	<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		
9,100.00	6,949.61	6,915.61	6,915.61	71.65	239.68	92.77	398.55	-4,245.98	2,759.35	2,485.10	274.25	10.061		
9,200.00	6,948.30	6,914.30	6,914.30	74.20	239.63	92.66	398.55	-4,245.98	2,663.00	2,388.08	274.92	9.686		
9,300.00	6,946.98	6,912.98	6,912.98	76.77	239.59	92.56	398.55	-4,245.98	2,566.92	2,291.23	275.68	9.311		
9,400.00	6,945.67	6,911.67	6,911.67	79.35	239.54	92.46	398.55	-4,245.98	2,471.15	2,194.59	276.55	8.935		
9,500.00	6,944.35	6,910.35	6,910.35	81.95	239.50	92.35	398.55	-4,245.98	2,375.73	2,098.18	277.55	8.560		
9,600.00	6,943.04	6,909.04	6,909.04	84.57	239.45	92.25	398.55	-4,245.98	2,280.70	2,002.02	278.68	8.184		
9,700.00	6,941.73	6,907.73	6,907.73	87.21	239.40	92.14	398.55	-4,245.98	2,186.11	1,906.15	279.97	7.809		
9,800.00	6,940.41	6,906.41	6,906.41	89.85	239.36	92.04	398.55	-4,245.98	2,092.03	1,810.60	281.43	7.434		
9,900.00	6,939.10	6,905.10	6,905.10	92.51	239.31	91.94	398.55	-4,245.98	1,998.52	1,715.43	283.09	7.060		
10,000.00	6,937.78	6,903.78	6,903.78	95.17	239.27	91.83	398.55	-4,245.98	1,905.67	1,620.68	284.99	6.687		
10,100.00	6,936.47	6,902.47	6,902.47	97.85	239.22	91.73	398.55	-4,245.98	1,813.58	1,526.44	287.14	6.316		
10,200.00	6,935.15	6,901.15	6,901.15	100.54	239.17	91.62	398.55	-4,245.98	1,722.37	1,432.78	289.59	5.948		
10,300.00	6,933.84	6,900.16	6,899.84	103.23	239.14	91.52	398.55	-4,245.98	1,632.18	1,339.80	292.38	5.582		
10,400.00	6,932.52	6,901.48	6,898.52	105.93	239.19	91.42	398.55	-4,245.98	1,543.21	1,247.57	295.64	5.220		
10,500.00	6,931.21	6,902.79	6,897.21	108.64	239.23	91.31	398.55	-4,245.98	1,455.67	1,156.33	299.34	4.863		
10,600.00	6,929.89	6,904.11	6,895.89	111.36	239.28	91.21	398.55	-4,245.98	1,369.84	1,066.30	303.53	4.513		
10,700.00	6,928.58	6,905.42	6,894.58	114.08	239.32	91.11	398.55	-4,245.98	1,286.05	977.77	308.28	4.172		
10,800.00	6,927.26	6,906.74	6,893.26	116.81	239.37	91.00	398.55	-4,245.98	1,204.73	891.08	313.65	3.841		
10,900.00	6,925.95	6,908.05	6,891.95	119.54	239.42	90.90	398.55	-4,245.98	1,126.43	806.73	319.70	3.523		
11,000.00	6,924.64	6,909.37	6,890.64	122.28	239.46	90.79	398.55	-4,245.98	1,051.81	725.33	326.47	3.222		
11,100.00	6,923.32	6,889.32	6,889.32	125.02	238.76	90.69	398.55	-4,245.98	981.71	648.49	333.22	2.946		
11,200.00	6,922.01	6,888.01	6,888.01	127.77	238.72	90.59	398.55	-4,245.98	917.17	575.88	341.29	2.687		
11,300.00	6,920.69	6,886.69	6,886.69	130.52	238.67	90.48	398.55	-4,245.98	859.45	509.61	349.83	2.457		
11,400.00	6,919.38	6,885.38	6,885.38	133.28	238.62	90.38	398.55	-4,245.98	809.99	451.47	358.53	2.259		
11,500.00	6,918.06	6,884.06	6,884.06	136.04	238.58	90.27	398.55	-4,245.98	770.41	403.57	366.84	2.100		
11,600.00	6,916.75	6,882.75	6,882.75	138.80	238.53	90.17	398.55	-4,245.98	742.27	368.18	374.09	1.984		
11,700.00	6,915.43	6,881.43	6,881.43	141.56	238.49	90.07	398.55	-4,245.98	726.91	347.38	379.53	1.915		
11,762.86	6,914.61	6,880.61	6,880.61	143.30	238.46	90.00	398.55	-4,245.98	724.19	342.43	381.76	1.897 CC, ES		
11,800.00	6,914.12	6,880.12	6,880.12	144.33	238.44	89.96	398.55	-4,245.98	725.14	342.54	382.60	1.895 SF		
11,900.00	6,912.80	6,878.80	6,878.80	147.10	238.39	89.86	398.55	-4,245.98	737.06	353.99	383.07	1.924		
12,000.00	6,911.49	6,877.49	6,877.49	149.88	238.35	89.75	398.55	-4,245.98	762.02	380.86	381.16	1.999		
12,100.00	6,910.17	6,876.17	6,876.17	152.65	238.30	89.65	398.55	-4,245.98	798.81	421.43	377.38	2.117		
12,200.00	6,908.86	6,874.86	6,874.86	155.43	238.26	89.55	398.55	-4,245.98	845.88	473.50	372.38	2.272		
12,300.00	6,907.54	6,873.54	6,873.54	158.21	238.21	89.44	398.55	-4,245.98	901.62	534.88	366.74	2.458		
12,400.00	6,906.23	6,872.23	6,872.23	160.99	238.16	89.34	398.55	-4,245.98	964.54	603.63	360.91	2.673		
12,500.00	6,904.92	6,870.92	6,870.92	163.78	238.12	89.23	398.55	-4,245.98	1,033.31	678.12	355.19	2.909		
12,600.00	6,903.60	6,869.60	6,869.60	166.57	238.07	89.13	398.55	-4,245.98	1,106.86	757.11	349.75	3.165		
12,700.00	6,902.29	6,868.29	6,868.29	169.35	238.03	89.03	398.55	-4,245.98	1,184.29	839.60	344.69	3.436		
12,800.00	6,900.97	6,866.97	6,866.97	172.14	237.98	88.92	398.55	-4,245.98	1,264.88	924.85	340.03	3.720		
12,900.00	6,899.66	6,865.66	6,865.66	174.94	237.94	88.82	398.55	-4,245.98	1,348.08	1,012.30	335.78	4.015		
13,000.00	6,898.34	6,864.34	6,864.34	177.73	237.89	88.71	398.55	-4,245.98	1,433.43	1,101.50	331.92	4.319		
13,100.00	6,897.03	6,863.03	6,863.03	180.53	237.84	88.61	398.55	-4,245.98	1,520.56	1,192.14	328.42	4.630		
13,200.00	6,895.71	6,861.71	6,861.71	183.32	237.80	88.51	398.55	-4,245.98	1,609.18	1,283.95	325.23	4.948		
13,300.00	6,894.40	6,860.40	6,860.40	186.12	237.75	88.40	398.55	-4,245.98	1,699.07	1,376.73	322.35	5.271		
13,400.00	6,893.08	6,859.08	6,859.08	188.92	237.71	88.30	398.55	-4,245.98	1,790.04	1,470.31	319.72	5.599		
13,500.00	6,891.77	6,857.77	6,857.77	191.72	237.66	88.19	398.55	-4,245.98	1,881.91	1,564.58	317.33	5.930		
13,600.00	6,890.45	6,856.45	6,856.45	194.52	237.61	88.09	398.55	-4,245.98	1,974.58	1,659.43	315.15	6.266		
13,700.00	6,889.14	6,855.14	6,855.14	197.32	237.57	87.99	398.55	-4,245.98	2,067.93	1,754.77	313.15	6.604		
13,800.00	6,887.82	6,853.82	6,853.82	200.13	237.52	87.88	398.55	-4,245.98	2,161.87	1,850.55	311.32	6.944		
13,900.00	6,886.51	6,852.51	6,852.51	202.93	237.48	87.78	398.55	-4,245.98	2,256.33	1,946.69	309.65	7.287		
14,000.00	6,885.20	6,851.20	6,851.20	205.74	237.43	87.67	398.55	-4,245.98	2,351.25	2,043.15	308.10	7.631		
14,100.00	6,883.88	6,849.88	6,849.88	208.55	237.38	87.57	398.55	-4,245.98	2,446.58	2,139.90	306.67	7.978		

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 13N-6B-M
<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 13N-6B-M	<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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	6,882.57	6,848.57	6,848.57	211.35	237.34	87.47	398.55	-4,245.98	2,542.26	2,236.90	305.36	8.326	
14,300.00	6,881.25	6,847.25	6,847.25	214.16	237.29	87.36	398.55	-4,245.98	2,638.26	2,334.13	304.14	8.675	
14,400.00	6,879.94	6,845.94	6,845.94	216.97	237.25	87.26	398.55	-4,245.98	2,734.55	2,431.55	303.00	9.025	
14,500.00	6,878.62	6,844.62	6,844.62	219.78	237.20	87.16	398.55	-4,245.98	2,831.10	2,529.15	301.95	9.376	
14,600.00	6,877.31	6,843.31	6,843.31	222.59	237.15	87.05	398.55	-4,245.98	2,927.87	2,626.90	300.97	9.728	
14,700.00	6,875.99	6,841.99	6,841.99	225.41	237.11	86.95	398.55	-4,245.98	3,024.86	2,724.80	300.06	10.081	
14,800.00	6,874.68	6,840.68	6,840.68	228.22	237.06	86.84	398.55	-4,245.98	3,122.03	2,822.83	299.20	10.435	
14,900.00	6,873.36	6,839.36	6,839.36	231.03	237.02	86.74	398.55	-4,245.98	3,219.38	2,920.98	298.40	10.789	
15,000.00	6,872.05	6,838.05	6,838.05	233.85	236.97	86.64	398.55	-4,245.98	3,316.89	3,019.23	297.65	11.143	
15,100.00	6,870.73	6,836.73	6,836.73	236.66	236.93	86.53	398.55	-4,245.98	3,414.54	3,117.59	296.95	11.499	
15,200.00	6,869.42	6,835.42	6,835.42	239.48	236.88	86.43	398.55	-4,245.98	3,512.32	3,216.03	296.29	11.854	
15,300.00	6,868.11	6,834.11	6,834.11	242.29	236.83	86.33	398.55	-4,245.98	3,610.22	3,314.55	295.67	12.210	
15,400.00	6,866.79	6,832.79	6,832.79	245.11	236.79	86.22	398.55	-4,245.98	3,708.23	3,413.15	295.08	12.567	
15,460.11	6,866.00	6,832.00	6,832.00	246.80	236.76	86.16	398.55	-4,245.98	3,767.20	3,472.45	294.75	12.781	
15,460.74	6,865.99	6,831.99	6,831.99	246.82	236.76	86.16	398.55	-4,245.98	3,767.81	3,473.07	294.75	12.783	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	70.32	880.28	2,461.86	2,614.51					
100.00	100.00	92.53	92.53	3.28	3.29	70.32	880.31	2,461.91	2,614.57	2,608.00	6.57	397.913		
200.00	200.00	194.87	194.87	3.34	3.34	70.32	880.44	2,461.97	2,614.66	2,607.99	6.68	391.698		
300.00	299.98	305.88	305.88	3.44	3.46	-28.72	880.69	2,461.69	2,612.97	2,606.07	6.90	378.677		
400.00	399.84	412.58	412.58	3.60	3.63	-28.84	880.96	2,461.03	2,607.89	2,600.66	7.23	360.846		
500.00	499.45	518.90	518.89	3.80	3.85	-29.03	881.14	2,460.04	2,599.44	2,591.79	7.65	339.866		
584.50	583.35	598.82	598.81	4.01	4.04	-29.23	881.09	2,459.36	2,589.93	2,581.89	8.04	321.996		
600.00	598.71	613.76	613.74	4.05	4.07	-29.25	881.06	2,459.25	2,588.00	2,579.88	8.12	318.580		
700.00	697.81	710.88	710.87	4.33	4.33	-29.40	881.10	2,458.53	2,575.63	2,566.97	8.66	297.507		
800.00	796.91	812.75	812.73	4.64	4.63	-29.57	881.33	2,457.66	2,563.23	2,553.98	9.26	276.872		
900.00	896.01	913.27	913.25	4.98	4.94	-29.73	881.55	2,456.72	2,550.78	2,540.88	9.90	257.697		
1,000.00	995.11	1,014.95	1,014.92	5.34	5.28	-29.89	881.74	2,455.70	2,538.28	2,527.71	10.58	239.945		
1,100.00	1,094.21	1,123.90	1,123.86	5.71	5.65	-30.08	881.97	2,454.29	2,525.53	2,514.22	11.31	223.235		
1,200.00	1,193.31	1,228.93	1,228.87	6.10	6.02	-30.25	882.04	2,452.58	2,512.45	2,500.39	12.06	208.329		
1,300.00	1,292.41	1,325.84	1,325.77	6.49	6.38	-30.42	882.16	2,450.93	2,499.34	2,486.54	12.80	195.283		
1,400.00	1,391.51	1,423.20	1,423.12	6.90	6.74	-30.60	882.52	2,449.30	2,486.36	2,472.81	13.55	183.428		
1,500.00	1,490.61	1,525.99	1,525.89	7.31	7.13	-30.78	882.71	2,447.52	2,473.28	2,458.94	14.34	172.419		
1,600.00	1,589.71	1,621.96	1,621.85	7.73	7.50	-30.95	882.92	2,445.88	2,460.27	2,445.15	15.12	162.699		
1,700.00	1,688.81	1,723.78	1,723.66	8.16	7.89	-31.14	883.10	2,444.15	2,447.28	2,431.35	15.93	153.630		
1,800.00	1,787.92	1,825.38	1,825.23	8.59	8.29	-31.32	883.19	2,442.25	2,434.11	2,417.36	16.75	145.359		
1,900.00	1,887.02	1,914.99	1,914.84	9.02	8.64	-31.49	883.43	2,440.67	2,421.14	2,403.62	17.53	138.151		
2,000.00	1,986.12	1,999.10	1,998.94	9.46	8.98	-31.65	883.96	2,439.54	2,408.71	2,390.42	18.29	131.688		
2,100.00	2,085.22	2,093.91	2,093.73	9.90	9.36	-31.84	884.88	2,438.54	2,396.70	2,377.60	19.10	125.476		
2,200.00	2,184.32	2,189.95	2,189.76	10.34	9.75	-32.05	886.37	2,437.44	2,384.86	2,364.94	19.92	119.717		
2,300.00	2,283.42	2,283.11	2,282.89	10.78	10.12	-32.27	888.50	2,436.25	2,373.23	2,352.49	20.74	114.453		
2,400.00	2,382.52	2,380.39	2,380.12	11.23	10.52	-32.51	891.04	2,435.07	2,361.81	2,340.24	21.57	109.498		
2,500.00	2,481.62	2,463.76	2,463.45	11.68	10.86	-32.72	893.61	2,434.14	2,350.71	2,328.35	22.36	105.150		
2,600.00	2,580.72	2,551.25	2,550.87	12.13	11.22	-32.96	896.94	2,433.57	2,340.36	2,317.20	23.16	101.050		
2,700.00	2,679.82	2,647.15	2,646.70	12.58	11.62	-33.22	900.67	2,433.18	2,330.31	2,306.31	24.00	97.097		
2,800.00	2,778.92	2,741.88	2,741.34	13.03	12.01	-33.48	904.61	2,432.77	2,320.41	2,295.58	24.84	93.423		
2,900.00	2,878.02	2,826.69	2,826.08	13.48	12.36	-33.72	908.27	2,432.65	2,310.91	2,285.27	25.64	90.131		
3,000.00	2,977.12	2,900.82	2,900.13	13.94	12.67	-33.93	911.62	2,433.25	2,302.38	2,275.99	26.40	87.212		
3,100.00	3,076.22	3,004.25	3,003.44	14.39	13.11	-34.22	916.31	2,434.59	2,294.35	2,267.07	27.28	84.115		
3,200.00	3,175.32	3,092.50	3,091.59	14.85	13.48	-34.46	920.34	2,435.86	2,286.52	2,258.42	28.09	81.387		
3,300.00	3,274.43	3,187.29	3,186.26	15.30	13.87	-34.72	924.74	2,437.54	2,279.07	2,250.13	28.94	78.753		
3,400.00	3,373.53	3,280.93	3,279.80	15.76	14.27	-34.97	928.71	2,439.59	2,271.87	2,242.09	29.78	76.287		
3,500.00	3,472.63	3,386.43	3,385.20	16.22	14.71	-35.23	932.47	2,442.30	2,264.75	2,234.08	30.67	73.844		
3,600.00	3,571.73	3,481.62	3,480.30	16.68	15.11	-35.47	935.76	2,444.64	2,257.54	2,226.03	31.52	71.625		
3,700.00	3,670.83	3,583.14	3,581.73	17.14	15.53	-35.72	939.15	2,447.33	2,250.49	2,218.09	32.39	69.471		
3,800.00	3,769.93	3,713.22	3,711.73	17.59	16.07	-36.00	941.98	2,450.53	2,242.80	2,209.42	33.38	67.189		
3,900.00	3,869.03	3,817.83	3,816.32	18.05	16.51	-36.23	943.47	2,452.55	2,234.33	2,200.06	34.27	65.200		
4,000.00	3,968.13	3,926.94	3,925.40	18.51	16.96	-36.46	944.81	2,454.27	2,225.48	2,190.30	35.17	63.270		
4,100.00	4,067.23	4,036.41	4,034.86	18.98	17.42	-36.70	945.91	2,455.55	2,216.19	2,180.11	36.08	61.423		
4,200.00	4,166.33	4,139.24	4,137.68	19.44	17.85	-36.93	947.14	2,456.22	2,206.57	2,169.61	36.96	59.694		
4,300.00	4,265.43	4,236.73	4,235.16	19.90	18.26	-37.16	948.45	2,456.84	2,197.04	2,159.21	37.83	58.075		
4,400.00	4,364.53	4,339.62	4,338.04	20.36	18.69	-37.41	950.18	2,457.24	2,187.50	2,148.78	38.72	56.499		
4,500.00	4,463.63	4,466.51	4,464.90	20.82	19.23	-37.74	952.44	2,456.90	2,177.52	2,137.84	39.68	54.871		
4,600.00	4,562.73	4,607.01	4,605.37	21.28	19.82	-38.12	953.88	2,454.12	2,165.67	2,124.98	40.68	53.231		
4,700.00	4,661.83	4,713.71	4,712.02	21.75	20.27	-38.41	954.55	2,450.94	2,152.83	2,111.25	41.58	51.777		
4,800.00	4,760.93	4,817.47	4,815.71	22.21	20.71	-38.70	955.01	2,447.52	2,139.68	2,097.21	42.47	50.385		
4,900.00	4,860.04	4,913.74	4,911.94	22.67	21.12	-38.97	955.46	2,444.33	2,126.57	2,083.23	43.33	49.074		
5,000.00	4,959.14	5,017.10	5,015.23	23.13	21.55	-39.27	955.94	2,440.75	2,113.38	2,069.15	44.22	47.792		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,110.98	5,109.05	23.60	21.95	-39.55	956.58	2,437.45	2,100.31	2,055.23	45.08	46.587		
5,200.00	5,157.34	5,214.79	5,212.80	24.06	22.39	-39.86	957.04	2,433.86	2,087.22	2,041.25	45.97	45.401		
5,300.00	5,256.44	5,307.94	5,305.90	24.52	22.79	-40.12	957.14	2,430.84	2,074.20	2,027.37	46.83	44.288		
5,400.00	5,355.54	5,391.58	5,389.51	24.99	23.14	-40.36	957.22	2,428.64	2,061.75	2,014.07	47.67	43.249		
5,500.00	5,454.64	5,507.64	5,505.53	25.45	23.63	-40.68	957.05	2,425.77	2,049.36	2,000.77	48.59	42.173		
5,600.00	5,553.74	5,593.90	5,591.76	25.92	24.00	-40.92	956.91	2,423.52	2,036.88	1,987.44	49.44	41.198		
5,700.00	5,652.84	5,674.65	5,672.49	26.38	24.34	-41.15	957.03	2,421.90	2,025.12	1,974.85	50.27	40.284		
5,800.00	5,751.94	5,767.59	5,765.43	26.84	24.74	-41.41	957.26	2,420.75	2,014.11	1,962.97	51.13	39.388		
5,900.00	5,851.04	5,868.07	5,865.90	27.31	25.16	-41.70	957.70	2,419.41	2,003.16	1,951.14	52.02	38.508		
6,000.00	5,950.14	5,960.26	5,958.08	27.77	25.55	-41.97	958.49	2,417.99	1,992.31	1,939.43	52.88	37.675		
6,100.00	6,049.24	6,044.44	6,042.23	28.24	25.91	-42.24	959.80	2,416.87	1,982.08	1,928.36	53.72	36.895		
6,200.00	6,148.34	6,133.62	6,131.39	28.70	26.29	-42.54	961.86	2,416.11	1,972.70	1,918.12	54.57	36.147		
6,304.69	6,252.09	6,238.18	6,235.90	29.19	26.74	-42.91	964.85	2,414.80	1,962.92	1,907.41	55.50	35.365		
6,350.00	6,297.17	6,279.08	6,276.78	29.39	26.91	-54.97	966.11	2,414.32	1,960.16	1,904.27	55.89	35.073		
6,371.27	6,318.41	6,298.37	6,296.06	29.48	26.99	-75.55	966.72	2,414.12	1,959.85	1,903.79	56.06	34.961 CC, ES		
6,400.00	6,347.13	6,331.23	6,328.90	29.59	27.13	-156.53	967.74	2,413.76	1,960.37	1,904.06	56.31	34.813		
6,450.00	6,397.02	6,389.16	6,386.80	29.78	27.38	163.10	969.40	2,413.01	1,963.75	1,907.02	56.73	34.615		
6,500.00	6,446.53	6,444.31	6,441.92	29.96	27.61	156.20	970.89	2,412.11	1,970.26	1,913.13	57.13	34.487		
6,550.00	6,495.35	6,498.28	6,495.86	30.14	27.84	153.25	972.42	2,411.02	1,979.92	1,922.40	57.52	34.423 SF		
6,600.00	6,543.19	6,541.43	6,538.98	30.33	28.03	151.36	973.68	2,410.12	1,992.80	1,934.94	57.86	34.440		
6,650.00	6,589.76	6,583.09	6,580.62	30.52	28.20	149.86	974.92	2,409.36	2,008.97	1,950.77	58.19	34.521		
6,700.00	6,634.75	6,627.97	6,625.47	30.71	28.39	148.50	976.30	2,408.62	2,028.29	1,969.77	58.53	34.657		
6,750.00	6,677.90	6,674.40	6,671.86	30.91	28.59	147.15	977.82	2,407.72	2,050.55	1,991.70	58.85	34.844		
6,800.00	6,718.94	6,716.59	6,714.02	31.13	28.77	145.69	979.30	2,406.79	2,075.64	2,016.48	59.15	35.090		
6,850.00	6,757.62	6,753.68	6,751.07	31.36	28.93	144.02	980.74	2,405.91	2,103.49	2,044.06	59.43	35.397		
6,900.00	6,793.70	6,788.43	6,785.78	31.61	29.08	142.09	982.23	2,405.04	2,133.97	2,074.29	59.68	35.754		
6,950.00	6,826.95	6,817.55	6,814.86	31.88	29.20	139.80	983.57	2,404.30	2,166.94	2,107.03	59.91	36.167		
7,000.00	6,857.18	6,842.46	6,839.73	32.19	29.31	137.04	984.80	2,403.70	2,202.25	2,142.13	60.12	36.630		
7,050.00	6,884.18	6,864.74	6,861.97	32.52	29.40	133.74	985.96	2,403.19	2,239.69	2,179.37	60.31	37.135		
7,100.00	6,907.81	6,884.25	6,881.45	32.90	29.49	129.77	987.03	2,402.77	2,279.02	2,218.53	60.49	37.678		
7,150.00	6,927.91	6,901.36	6,898.53	33.32	29.56	124.99	988.00	2,402.42	2,319.99	2,259.35	60.65	38.254		
7,200.00	6,944.36	6,922.36	6,919.49	33.77	29.65	119.52	989.21	2,401.98	2,362.33	2,301.52	60.82	38.843		
7,250.00	6,957.05	6,939.01	6,936.11	34.27	29.72	112.99	990.16	2,401.60	2,405.77	2,344.80	60.97	39.459		
7,300.00	6,965.92	6,951.16	6,948.23	34.80	29.77	105.34	990.86	2,401.32	2,450.07	2,388.97	61.10	40.100		
7,350.00	6,970.89	6,958.66	6,955.72	35.37	29.80	96.67	991.29	2,401.13	2,494.95	2,433.74	61.21	40.760		
7,396.89	6,972.00	6,961.36	6,958.42	35.93	29.82	87.88	991.45	2,401.06	2,537.36	2,476.06	61.30	41.394		
7,400.00	6,971.96	6,961.40	6,958.45	35.97	29.82	87.88	991.45	2,401.06	2,540.17	2,478.87	61.30	41.437		
7,500.00	6,970.65	6,962.65	6,959.70	37.28	29.82	87.95	991.52	2,401.03	2,631.12	2,569.64	61.48	42.797		
7,600.00	6,969.33	6,963.93	6,960.98	38.76	29.83	88.01	991.59	2,401.00	2,722.69	2,661.03	61.67	44.151		
7,700.00	6,968.02	6,965.23	6,962.28	40.39	29.83	88.08	991.67	2,400.96	2,814.84	2,752.98	61.87	45.499		
7,800.00	6,966.70	6,966.57	6,963.61	42.15	29.84	88.16	991.75	2,400.93	2,907.51	2,845.44	62.07	46.841		
7,900.00	6,965.39	6,967.93	6,964.97	44.02	29.84	88.23	991.82	2,400.90	3,000.65	2,938.37	62.28	48.180		
8,000.00	6,964.07	6,969.32	6,966.36	45.99	29.85	88.30	991.90	2,400.86	3,094.21	3,031.72	62.49	49.515		
8,100.00	6,962.76	6,970.75	6,967.79	48.05	29.86	88.38	991.99	2,400.82	3,188.17	3,125.47	62.70	50.847		
8,200.00	6,961.45	6,972.21	6,969.24	50.19	29.86	88.46	992.07	2,400.78	3,282.48	3,219.57	62.91	52.176		
8,300.00	6,960.13	6,973.70	6,970.73	52.39	29.87	88.54	992.15	2,400.75	3,377.12	3,314.00	63.12	53.504		
8,400.00	6,958.82	6,975.23	6,972.26	54.65	29.88	88.62	992.24	2,400.71	3,472.06	3,408.74	63.33	54.829		
8,500.00	6,957.50	6,976.80	6,973.82	56.97	29.88	88.70	992.33	2,400.66	3,567.28	3,503.75	63.53	56.153		
8,600.00	6,956.19	6,978.40	6,975.42	59.33	29.89	88.79	992.42	2,400.62	3,662.75	3,599.02	63.73	57.475		
8,700.00	6,954.87	6,980.04	6,977.06	61.73	29.90	88.87	992.52	2,400.58	3,758.45	3,694.53	63.92	58.795		
8,800.00	6,953.56	6,981.72	6,978.74	64.16	29.90	88.96	992.61	2,400.53	3,854.38	3,790.26	64.12	60.114		
8,900.00	6,952.24	6,983.45	6,980.46	66.63	29.91	89.05	992.71	2,400.49	3,950.50	3,886.19	64.31	61.432		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,985.22	6,982.22	69.13	29.92	89.15	992.81	2,400.44	4,046.81	3,982.32	64.49	62.749		
9,100.00	6,949.61	6,987.03	6,984.04	71.65	29.93	89.24	992.92	2,400.39	4,143.30	4,078.63	64.67	64.064		
9,200.00	6,948.30	6,988.89	6,985.89	74.20	29.93	89.34	993.03	2,400.34	4,239.95	4,175.10	64.85	65.378		
9,300.00	6,946.98	6,990.81	6,987.80	76.77	29.94	89.45	993.13	2,400.28	4,336.75	4,271.72	65.03	66.690		
9,400.00	6,945.67	6,992.77	6,989.76	79.35	29.95	89.55	993.25	2,400.23	4,433.69	4,368.49	65.20	68.002		
9,500.00	6,944.35	6,994.78	6,991.77	81.95	29.96	89.66	993.36	2,400.17	4,530.76	4,465.40	65.37	69.312		
9,600.00	6,943.04	6,996.85	6,993.84	84.57	29.97	89.77	993.48	2,400.12	4,627.96	4,562.43	65.53	70.620		
9,700.00	6,941.73	6,998.98	6,995.96	87.21	29.98	89.88	993.60	2,400.06	4,725.28	4,659.58	65.70	71.927		
9,800.00	6,940.41	7,001.17	6,998.15	89.85	29.99	90.00	993.73	2,399.99	4,822.70	4,756.84	65.85	73.232		
9,900.00	6,939.10	7,003.42	7,000.39	92.51	30.00	90.12	993.86	2,399.93	4,920.23	4,854.21	66.01	74.536		
10,000.00	6,937.78	7,005.74	7,002.71	95.17	30.01	90.24	993.99	2,399.86	5,017.85	4,951.68	66.17	75.838		
10,100.00	6,936.47	7,008.13	7,005.09	97.85	30.02	90.37	994.13	2,399.79	5,115.56	5,049.25	66.32	77.138		
10,200.00	6,935.15	7,010.59	7,007.54	100.54	30.03	90.50	994.27	2,399.72	5,213.36	5,146.90	66.47	78.436		
10,300.00	6,933.84	7,013.12	7,010.07	103.23	30.04	90.63	994.41	2,399.65	5,311.24	5,244.63	66.61	79.733		
10,400.00	6,932.52	7,015.73	7,012.67	105.93	30.05	90.77	994.56	2,399.57	5,409.20	5,342.44	66.76	81.027		
10,500.00	6,931.21	7,018.42	7,015.36	108.64	30.06	90.91	994.72	2,399.49	5,507.23	5,440.33	66.90	82.319		
10,600.00	6,929.89	7,021.17	7,018.11	111.36	30.07	91.04	994.87	2,399.41	5,605.34	5,538.44	67.04	83.616		
10,700.00	6,928.58	7,023.92	7,020.86	114.08	30.08	91.17	995.02	2,399.33	5,703.51	5,636.61	67.18	84.913		
10,800.00	6,927.26	7,026.67	7,023.61	116.81	30.09	91.30	995.17	2,399.25	5,801.75	5,734.49	67.32	86.210		
10,900.00	6,925.95	7,029.42	7,026.36	119.54	30.10	91.43	995.32	2,399.17	5,900.04	5,832.65	67.46	87.507		
11,000.00	6,924.64	7,032.17	7,029.09	122.28	30.11	91.56	995.48	2,399.08	5,998.38	5,930.87	67.60	88.804		
11,100.00	6,923.32	7,034.92	7,031.86	125.02	30.12	91.69	995.63	2,399.00	6,096.78	6,029.14	67.74	90.101		
11,200.00	6,922.01	7,037.67	7,034.61	127.77	30.13	91.82	995.79	2,398.91	6,195.23	6,127.47	67.88	91.398		
11,300.00	6,920.69	7,040.42	7,037.36	130.52	30.14	91.95	995.94	2,398.83	6,293.73	6,225.85	68.02	92.695		
11,400.00	6,919.38	7,043.17	7,040.11	133.28	30.15	92.08	996.10	2,398.74	6,392.28	6,324.28	68.16	93.992		
11,500.00	6,918.06	7,045.92	7,042.86	136.04	30.16	92.21	996.26	2,398.65	6,490.87	6,422.75	68.30	95.289		
11,600.00	6,916.75	7,048.67	7,045.61	138.80	30.17	92.34	996.42	2,398.57	6,589.50	6,521.26	68.44	96.586		
11,700.00	6,915.43	7,051.42	7,048.36	141.56	30.18	92.47	996.58	2,398.48	6,688.18	6,619.82	68.58	97.883		
11,800.00	6,914.12	7,054.17	7,051.11	144.33	30.19	92.60	996.74	2,398.40	6,786.89	6,718.42	68.72	99.180		
11,900.00	6,912.80	7,056.92	7,053.86	147.10	30.20	92.73	996.90	2,398.31	6,885.64	6,817.05	68.86	100.477		
12,000.00	6,911.49	7,059.67	7,056.61	149.88	30.21	92.86	997.06	2,398.23	6,984.42	6,915.72	69.00	101.774		
12,100.00	6,910.17	7,062.42	7,059.36	152.65	30.22	92.99	997.22	2,398.14	7,083.24	7,014.43	69.14	103.071		
12,200.00	6,908.86	7,065.17	7,062.11	155.43	30.23	93.12	997.38	2,398.06	7,182.09	7,113.17	69.28	104.368		
12,300.00	6,907.54	7,067.92	7,064.86	158.21	30.24	93.25	997.54	2,397.97	7,280.97	7,211.94	69.42	105.665		
12,400.00	6,906.23	7,070.67	7,067.61	160.99	30.25	93.38	997.70	2,397.89	7,379.88	7,310.75	69.56	106.962		
12,500.00	6,904.92	7,073.42	7,070.36	163.78	30.26	93.51	997.86	2,397.80	7,478.82	7,409.58	69.70	108.259		
12,600.00	6,903.60	7,076.17	7,073.11	166.57	30.27	93.64	998.02	2,397.72	7,577.79	7,508.44	69.84	109.556		
12,700.00	6,902.29	7,078.92	7,075.86	169.35	30.28	93.77	998.18	2,397.63	7,676.79	7,607.33	69.98	110.853		
12,800.00	6,900.97	7,081.67	7,078.61	172.14	30.29	93.90	998.34	2,397.55	7,775.81	7,706.24	70.12	112.150		
12,900.00	6,899.66	7,084.42	7,081.36	174.94	30.30	94.03	998.50	2,397.46	7,874.85	7,805.18	70.26	113.447		
13,000.00	6,898.34	7,087.17	7,084.11	177.73	30.31	94.16	998.66	2,397.38	7,973.92	7,904.14	70.40	114.744		
13,100.00	6,897.03	7,089.92	7,086.86	180.53	30.32	94.29	998.82	2,397.29	8,073.02	8,003.13	70.54	116.041		
13,200.00	6,895.71	7,092.67	7,089.61	183.32	30.33	94.42	998.98	2,397.21	8,172.13	8,102.14	70.68	117.338		
13,300.00	6,894.40	7,095.42	7,092.36	186.12	30.34	94.55	999.14	2,397.12	8,271.27	8,201.17	70.82	118.635		
13,400.00	6,893.08	7,098.17	7,095.11	188.92	30.35	94.68	999.30	2,397.04	8,370.42	8,300.22	70.96	119.932		
13,500.00	6,891.77	7,100.92	7,097.86	191.72	30.36	94.81	999.46	2,396.95	8,469.60	8,399.30	71.10	121.229		
13,600.00	6,890.45	7,103.67	7,100.61	194.52	30.37	94.94	999.62	2,396.87	8,568.79	8,498.39	71.24	122.526		
13,700.00	6,889.14	7,106.42	7,103.36	197.32	30.38	95.07	999.78	2,396.78	8,668.00	8,597.50	71.38	123.823		
13,800.00	6,887.82	7,109.17	7,106.11	200.13	30.39	95.20	999.94	2,396.70	8,767.23	8,696.63	71.52	125.120		
13,900.00	6,886.51	7,111.92	7,108.86	202.93	30.40	95.33	999.99	2,396.61	8,866.48	8,795.77	71.66	126.417		
14,000.00	6,885.20	7,114.67	7,111.61	205.74	30.41	95.46	999.99	2,396.53	8,965.75	8,894.94	71.80	127.714		
14,100.00	6,883.88	7,117.42	7,114.36	208.55	30.42	95.59	999.99	2,396.44	9,065.03	8,994.12	71.94	129.011		

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 13N-6B-M
<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 13N-6B-M	<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 - GREELEY TECH CENTER #41-5 - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 100-GYRO-NS												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)		
14,200.00	6,882.57	7,038.67	7,035.57	211.35	30.15	91.98	995.85	2,398.97	9,164.32	9,093.31	71.01	129.053	
14,300.00	6,881.25	7,039.38	7,036.28	214.16	30.15	92.02	995.89	2,398.96	9,263.64	9,192.52	71.11	130.266	
14,400.00	6,879.94	7,040.08	7,036.98	216.97	30.15	92.06	995.93	2,398.94	9,362.96	9,291.75	71.21	131.477	
14,500.00	6,878.62	7,040.78	7,037.67	219.78	30.16	92.10	995.96	2,398.92	9,462.30	9,390.99	71.31	132.684	
14,600.00	6,877.31	7,041.47	7,038.36	222.59	30.16	92.13	996.00	2,398.90	9,561.65	9,490.24	71.42	133.888	
14,700.00	6,875.99	7,042.15	7,039.05	225.41	30.16	92.17	996.04	2,398.88	9,661.02	9,589.51	71.52	135.090	
14,800.00	6,874.68	7,042.83	7,039.72	228.22	30.16	92.20	996.08	2,398.87	9,760.40	9,688.79	71.62	136.288	
14,900.00	6,873.36	7,043.50	7,040.40	231.03	30.17	92.24	996.12	2,398.85	9,859.79	9,788.08	71.72	137.483	
15,000.00	6,872.05	7,044.17	7,041.06	233.85	30.17	92.27	996.15	2,398.83	9,959.20	9,887.38	71.82	138.675	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	94.46	-698.92	8,956.96	8,984.23					
100.00	100.00	72.00	72.00	3.28	3.51	94.46	-698.92	8,956.96	8,984.19	8,977.39	6.80	1,321.739		
200.00	200.00	172.00	172.00	3.34	5.38	94.46	-698.92	8,956.96	8,984.19	8,975.47	8.71	1,031.161		
300.00	299.98	271.98	271.98	3.44	8.41	-4.54	-698.92	8,956.96	8,982.45	8,970.59	11.86	757.547		
400.00	399.84	371.84	371.84	3.60	11.70	-4.55	-698.92	8,956.96	8,977.23	8,961.93	15.30	586.622		
500.00	499.45	471.45	471.45	3.80	15.07	-4.57	-698.92	8,956.96	8,968.54	8,949.66	18.88	475.100		
584.50	583.35	555.35	555.35	4.01	17.94	-4.59	-698.92	8,956.96	8,958.50	8,936.55	21.95	408.082		
600.00	598.71	570.71	570.71	4.05	18.47	-4.59	-698.92	8,956.96	8,956.44	8,933.91	22.52	397.656		
700.00	697.81	669.81	669.81	4.33	21.88	-4.60	-698.92	8,956.96	8,943.10	8,916.89	26.21	341.248		
800.00	796.91	768.91	768.91	4.64	25.31	-4.61	-698.92	8,956.96	8,929.76	8,899.83	29.93	298.336		
900.00	896.01	868.01	868.01	4.98	28.74	-4.61	-698.92	8,956.96	8,916.42	8,882.73	33.69	264.678		
1,000.00	995.11	967.11	967.11	5.34	32.18	-4.62	-698.92	8,956.96	8,903.08	8,865.61	37.47	237.617		
1,100.00	1,094.21	1,066.21	1,066.21	5.71	35.63	-4.63	-698.92	8,956.96	8,889.74	8,848.47	41.27	215.415		
1,200.00	1,193.31	1,165.31	1,165.31	6.10	39.07	-4.63	-698.92	8,956.96	8,876.40	8,831.32	45.08	196.889		
1,300.00	1,292.41	1,264.41	1,264.41	6.49	42.52	-4.64	-698.92	8,956.96	8,863.06	8,814.15	48.91	181.207		
1,400.00	1,391.51	1,363.51	1,363.51	6.90	45.97	-4.65	-698.92	8,956.96	8,849.73	8,796.98	52.75	167.768		
1,500.00	1,490.61	1,462.61	1,462.61	7.31	49.42	-4.66	-698.92	8,956.96	8,836.39	8,779.79	56.60	156.128		
1,600.00	1,589.71	1,561.71	1,561.71	7.73	52.88	-4.66	-698.92	8,956.96	8,823.05	8,762.60	60.45	145.953		
1,700.00	1,688.81	1,660.81	1,660.81	8.16	56.33	-4.67	-698.92	8,956.96	8,809.71	8,745.40	64.31	136.984		
1,800.00	1,787.92	1,759.92	1,759.92	8.59	59.78	-4.68	-698.92	8,956.96	8,796.38	8,728.20	68.18	129.022		
1,900.00	1,887.02	1,859.02	1,859.02	9.02	63.24	-4.68	-698.92	8,956.96	8,783.04	8,710.99	72.05	121.906		
2,000.00	1,986.12	1,958.12	1,958.12	9.46	66.69	-4.69	-698.92	8,956.96	8,769.70	8,693.78	75.92	115.510		
2,100.00	2,085.22	2,057.22	2,057.22	9.90	70.15	-4.70	-698.92	8,956.96	8,756.36	8,676.56	79.80	109.730		
2,200.00	2,184.32	2,156.32	2,156.32	10.34	73.60	-4.71	-698.92	8,956.96	8,743.03	8,659.35	83.68	104.483		
2,300.00	2,283.42	2,255.42	2,255.42	10.78	77.06	-4.71	-698.92	8,956.96	8,729.69	8,642.13	87.56	99.697		
2,400.00	2,382.52	2,354.52	2,354.52	11.23	80.52	-4.72	-698.92	8,956.96	8,716.35	8,624.91	91.45	95.316		
2,500.00	2,481.62	2,453.62	2,453.62	11.68	83.97	-4.73	-698.92	8,956.96	8,703.02	8,607.68	95.33	91.290		
2,600.00	2,580.72	2,552.72	2,552.72	12.13	87.43	-4.73	-698.92	8,956.96	8,689.68	8,590.46	99.22	87.578		
2,700.00	2,679.82	2,651.82	2,651.82	12.58	90.89	-4.74	-698.92	8,956.96	8,676.34	8,573.23	103.11	84.144		
2,800.00	2,778.92	2,750.92	2,750.92	13.03	94.35	-4.75	-698.92	8,956.96	8,663.01	8,556.00	107.00	80.959		
2,900.00	2,878.02	2,850.02	2,850.02	13.48	97.80	-4.76	-698.92	8,956.96	8,649.67	8,538.77	110.90	77.997		
3,000.00	2,977.12	2,949.12	2,949.12	13.94	101.26	-4.76	-698.92	8,956.96	8,636.33	8,521.54	114.79	75.235		
3,100.00	3,076.22	3,048.22	3,048.22	14.39	104.72	-4.77	-698.92	8,956.96	8,623.00	8,504.31	118.69	72.653		
3,200.00	3,175.32	3,147.32	3,147.32	14.85	108.18	-4.78	-698.92	8,956.96	8,609.66	8,487.08	122.58	70.235		
3,300.00	3,274.43	3,246.43	3,246.43	15.30	111.64	-4.79	-698.92	8,956.96	8,596.33	8,469.85	126.48	67.966		
3,400.00	3,373.53	3,345.53	3,345.53	15.76	115.09	-4.79	-698.92	8,956.96	8,582.99	8,452.61	130.38	65.831		
3,500.00	3,472.63	3,444.63	3,444.63	16.22	118.55	-4.80	-698.92	8,956.96	8,569.66	8,435.38	134.28	63.821		
3,600.00	3,571.73	3,543.73	3,543.73	16.68	122.01	-4.81	-698.92	8,956.96	8,556.32	8,418.15	138.18	61.923		
3,700.00	3,670.83	3,642.83	3,642.83	17.14	125.47	-4.82	-698.92	8,956.96	8,542.99	8,400.91	142.08	60.130		
3,800.00	3,769.93	3,741.93	3,741.93	17.59	128.93	-4.82	-698.92	8,956.96	8,529.65	8,383.68	145.98	58.432		
3,900.00	3,869.03	3,841.03	3,841.03	18.05	132.39	-4.83	-698.92	8,956.96	8,516.32	8,366.44	149.88	56.822		
4,000.00	3,968.13	3,940.13	3,940.13	18.51	135.84	-4.84	-698.92	8,956.96	8,502.98	8,349.20	153.78	55.294		
4,100.00	4,067.23	4,039.23	4,039.23	18.98	139.30	-4.85	-698.92	8,956.96	8,489.65	8,331.97	157.68	53.841		
4,200.00	4,166.33	4,138.33	4,138.33	19.44	142.76	-4.85	-698.92	8,956.96	8,476.31	8,314.73	161.58	52.458		
4,300.00	4,265.43	4,237.43	4,237.43	19.90	146.22	-4.86	-698.92	8,956.96	8,462.98	8,297.49	165.49	51.140		
4,400.00	4,364.53	4,336.53	4,336.53	20.36	149.68	-4.87	-698.92	8,956.96	8,449.65	8,280.26	169.39	49.883		
4,500.00	4,463.63	4,435.63	4,435.63	20.82	153.14	-4.88	-698.92	8,956.96	8,436.31	8,263.02	173.29	48.683		
4,600.00	4,562.73	4,534.73	4,534.73	21.28	156.60	-4.88	-698.92	8,956.96	8,422.98	8,245.78	177.20	47.535		
4,700.00	4,661.83	4,633.83	4,633.83	21.75	160.06	-4.89	-698.92	8,956.96	8,409.64	8,228.54	181.10	46.436		
4,800.00	4,760.93	4,732.93	4,732.93	22.21	163.51	-4.90	-698.92	8,956.96	8,396.31	8,211.31	185.00	45.384		
4,900.00	4,860.04	4,832.04	4,832.04	22.67	166.97	-4.91	-698.92	8,956.96	8,382.98	8,194.07	188.91	44.376		
5,000.00	4,959.14	4,931.14	4,931.14	23.13	170.43	-4.92	-698.92	8,956.96	8,369.64	8,176.83	192.81	43.408		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,030.24	5,030.24	23.60	173.89	-4.92	-698.92	8,956.96	8,356.31	8,159.59	196.72	42.478		
5,200.00	5,157.34	5,129.34	5,129.34	24.06	177.35	-4.93	-698.92	8,956.96	8,342.98	8,142.36	200.62	41.585		
5,300.00	5,256.44	5,228.44	5,228.44	24.52	180.81	-4.94	-698.92	8,956.96	8,329.65	8,125.12	204.53	40.726		
5,400.00	5,355.54	5,327.54	5,327.54	24.99	184.27	-4.95	-698.92	8,956.96	8,316.31	8,107.88	208.44	39.899		
5,500.00	5,454.64	5,426.64	5,426.64	25.45	187.73	-4.96	-698.92	8,956.96	8,302.98	8,090.64	212.34	39.102		
5,600.00	5,553.74	5,525.74	5,525.74	25.92	191.19	-4.96	-698.92	8,956.96	8,289.65	8,073.40	216.25	38.334		
5,700.00	5,652.84	5,624.84	5,624.84	26.38	194.65	-4.97	-698.92	8,956.96	8,276.32	8,056.16	220.15	37.593		
5,800.00	5,751.94	5,723.94	5,723.94	26.84	198.10	-4.98	-698.92	8,956.96	8,262.99	8,038.93	224.06	36.878		
5,900.00	5,851.04	5,823.04	5,823.04	27.31	201.56	-4.99	-698.92	8,956.96	8,249.65	8,021.69	227.97	36.188		
6,000.00	5,950.14	5,922.14	5,922.14	27.77	205.02	-5.00	-698.92	8,956.96	8,236.32	8,004.45	231.87	35.521		
6,100.00	6,049.24	6,021.24	6,021.24	28.24	208.48	-5.00	-698.92	8,956.96	8,222.99	7,987.21	235.78	34.876		
6,200.00	6,148.34	6,120.34	6,120.34	28.70	211.94	-5.01	-698.92	8,956.96	8,209.66	7,969.97	239.69	34.252		
6,304.69	6,252.09	6,224.09	6,224.09	29.19	215.56	-5.02	-698.92	8,956.96	8,195.70	7,951.93	243.78	33.620		
6,350.00	6,297.17	6,269.17	6,269.17	29.39	217.14	-17.14	-698.92	8,956.96	8,191.26	7,945.71	245.55	33.359		
6,390.30	6,337.43	6,309.43	6,309.43	29.55	218.54	-90.00	-698.92	8,956.96	8,189.99	7,942.87	247.12	33.142 CC		
6,400.00	6,347.13	6,319.13	6,319.13	29.59	218.88	-118.60	-698.92	8,956.96	8,190.06	7,942.56	247.50	33.091 ES		
6,450.00	6,397.02	6,369.02	6,369.02	29.78	220.62	-158.77	-698.92	8,956.96	8,192.77	7,943.35	249.42	32.847		
6,500.00	6,446.53	6,418.53	6,418.53	29.96	222.35	-165.32	-698.92	8,956.96	8,199.37	7,948.04	251.32	32.625		
6,550.00	6,495.35	6,467.35	6,467.35	30.14	224.05	-167.81	-698.92	8,956.96	8,209.81	7,956.62	253.19	32.426		
6,600.00	6,543.19	6,515.19	6,515.19	30.33	225.72	-169.04	-698.92	8,956.96	8,224.03	7,969.03	255.00	32.251		
6,650.00	6,589.76	6,561.76	6,561.76	30.52	227.35	-169.70	-698.92	8,956.96	8,241.94	7,985.19	256.76	32.100		
6,700.00	6,634.75	6,606.75	6,606.75	30.71	228.92	-170.04	-698.92	8,956.96	8,263.44	8,005.00	258.44	31.974		
6,750.00	6,677.90	6,649.90	6,649.90	30.91	230.43	-170.15	-698.92	8,956.96	8,288.39	8,028.34	260.05	31.872		
6,800.00	6,718.94	6,709.06	6,709.06	31.13	232.49	-170.09	-698.92	8,956.96	8,316.64	8,054.44	262.20	31.718		
6,850.00	6,757.62	6,729.62	6,729.62	31.36	233.21	-169.87	-698.92	8,956.96	8,348.02	8,085.02	262.99	31.742		
6,900.00	6,793.70	6,765.70	6,765.70	31.61	234.47	-169.49	-698.92	8,956.96	8,382.33	8,118.01	264.31	31.714		
6,950.00	6,826.95	6,801.05	6,798.95	31.88	235.70	-168.92	-698.92	8,956.96	8,419.35	8,153.76	265.60	31.700 SF		
7,000.00	6,857.18	6,829.18	6,829.18	32.19	236.68	-168.11	-698.92	8,956.96	8,458.87	8,192.26	266.62	31.727		
7,050.00	6,884.18	6,856.18	6,856.18	32.52	237.63	-166.99	-698.92	8,956.96	8,500.64	8,233.05	267.59	31.768		
7,100.00	6,907.81	6,879.81	6,879.81	32.90	238.45	-165.43	-698.92	8,956.96	8,544.40	8,275.97	268.43	31.831		
7,150.00	6,927.91	6,900.09	6,899.91	33.32	239.16	-163.16	-698.92	8,956.96	8,589.89	8,320.73	269.15	31.915		
7,200.00	6,944.36	6,916.36	6,916.36	33.77	239.73	-159.72	-698.92	8,956.96	8,636.81	8,367.08	269.73	32.020		
7,250.00	6,957.05	6,929.05	6,929.05	34.27	240.17	-154.05	-698.92	8,956.96	8,684.89	8,414.71	270.18	32.145		
7,300.00	6,965.92	6,937.92	6,937.92	34.80	240.48	-143.57	-698.92	8,956.96	8,733.82	8,463.33	270.49	32.289		
7,350.00	6,970.89	6,942.89	6,942.89	35.37	240.65	-121.25	-698.92	8,956.96	8,783.31	8,512.64	270.67	32.450		
7,396.89	6,972.00	6,944.00	6,944.00	35.93	240.69	-82.29	-698.92	8,956.96	8,829.95	8,559.24	270.72	32.617		
7,400.00	6,971.96	6,943.96	6,943.96	35.97	240.69	-82.29	-698.92	8,956.96	8,833.04	8,562.33	270.71	32.629		
7,500.00	6,970.65	6,942.65	6,942.65	37.28	240.65	-82.20	-698.92	8,956.96	8,932.57	8,661.88	270.69	32.999		
7,600.00	6,969.33	6,941.33	6,941.33	38.76	240.60	-82.12	-698.92	8,956.96	9,032.11	8,761.45	270.66	33.370		
7,700.00	6,968.02	6,940.02	6,940.02	40.39	240.55	-82.03	-698.92	8,956.96	9,131.66	8,861.01	270.64	33.740		
7,800.00	6,966.70	6,938.70	6,938.70	42.15	240.51	-81.94	-698.92	8,956.96	9,231.22	8,960.59	270.63	34.111		
7,900.00	6,965.39	6,937.39	6,937.39	44.02	240.46	-81.86	-698.92	8,956.96	9,330.78	9,060.17	270.61	34.480		
8,000.00	6,964.07	6,936.07	6,936.07	45.99	240.42	-81.77	-698.92	8,956.96	9,430.36	9,159.76	270.60	34.850		
8,100.00	6,962.76	6,934.76	6,934.76	48.05	240.37	-81.69	-698.92	8,956.96	9,529.95	9,259.36	270.59	35.220		
8,200.00	6,961.45	6,933.45	6,933.45	50.19	240.32	-81.60	-698.92	8,956.96	9,629.54	9,358.96	270.58	35.589		
8,300.00	6,960.13	6,932.13	6,932.13	52.39	240.28	-81.51	-698.92	8,956.96	9,729.14	9,458.57	270.57	35.958		
8,400.00	6,958.82	6,930.82	6,930.82	54.65	240.23	-81.43	-698.92	8,956.96	9,828.75	9,558.18	270.57	36.326		
8,500.00	6,957.50	6,929.50	6,929.50	56.97	240.19	-81.34	-698.92	8,956.96	9,928.37	9,657.80	270.57	36.695		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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		
2,700.00	2,679.82	2,635.82	2,635.82	12.58	90.33	-13.64	740.58	10,273.11	9,999.23	9,896.64	102.59	97.465		
2,800.00	2,778.92	2,734.92	2,734.92	13.03	93.79	-13.66	740.58	10,273.11	9,986.22	9,879.74	106.49	93.779		
2,900.00	2,878.02	2,834.02	2,834.02	13.48	97.25	-13.68	740.58	10,273.11	9,973.22	9,862.83	110.38	90.352		
3,000.00	2,977.12	2,933.12	2,933.12	13.94	100.70	-13.70	740.58	10,273.11	9,960.21	9,845.93	114.28	87.158		
3,100.00	3,076.22	3,032.22	3,032.22	14.39	104.16	-13.72	740.58	10,273.11	9,947.20	9,829.03	118.18	84.173		
3,200.00	3,175.32	3,131.32	3,131.32	14.85	107.62	-13.73	740.58	10,273.11	9,934.20	9,812.12	122.07	81.379		
3,300.00	3,274.43	3,230.43	3,230.43	15.30	111.08	-13.75	740.58	10,273.11	9,921.19	9,795.22	125.97	78.757		
3,400.00	3,373.53	3,329.53	3,329.53	15.76	114.54	-13.77	740.58	10,273.11	9,908.19	9,778.31	129.87	76.292		
3,500.00	3,472.63	3,428.63	3,428.63	16.22	117.99	-13.79	740.58	10,273.11	9,895.18	9,761.41	133.77	73.970		
3,600.00	3,571.73	3,527.73	3,527.73	16.68	121.45	-13.81	740.58	10,273.11	9,882.18	9,744.51	137.67	71.779		
3,700.00	3,670.83	3,626.83	3,626.83	17.14	124.91	-13.83	740.58	10,273.11	9,869.18	9,727.61	141.58	69.709		
3,800.00	3,769.93	3,725.93	3,725.93	17.59	128.37	-13.84	740.58	10,273.11	9,856.18	9,710.70	145.48	67.750		
3,900.00	3,869.03	3,825.03	3,825.03	18.05	131.83	-13.86	740.58	10,273.11	9,843.18	9,693.80	149.38	65.893		
4,000.00	3,968.13	3,924.13	3,924.13	18.51	135.29	-13.88	740.58	10,273.11	9,830.19	9,676.90	153.29	64.130		
4,100.00	4,067.23	4,023.23	4,023.23	18.98	138.74	-13.90	740.58	10,273.11	9,817.19	9,660.00	157.19	62.455		
4,200.00	4,166.33	4,122.33	4,122.33	19.44	142.20	-13.92	740.58	10,273.11	9,804.19	9,643.10	161.09	60.860		
4,300.00	4,265.43	4,221.43	4,221.43	19.90	145.66	-13.94	740.58	10,273.11	9,791.20	9,626.20	165.00	59.341		
4,400.00	4,364.53	4,320.53	4,320.53	20.36	149.12	-13.96	740.58	10,273.11	9,778.20	9,609.30	168.90	57.892		
4,500.00	4,463.63	4,419.63	4,419.63	20.82	152.58	-13.98	740.58	10,273.11	9,765.21	9,592.40	172.81	56.509		
4,600.00	4,562.73	4,518.73	4,518.73	21.28	156.04	-14.00	740.58	10,273.11	9,752.22	9,575.51	176.71	55.186		
4,700.00	4,661.83	4,617.83	4,617.83	21.75	159.50	-14.01	740.58	10,273.11	9,739.23	9,558.61	180.62	53.921		
4,800.00	4,760.93	4,716.93	4,716.93	22.21	162.96	-14.03	740.58	10,273.11	9,726.24	9,541.71	184.53	52.709		
4,900.00	4,860.04	4,816.04	4,816.04	22.67	166.41	-14.05	740.58	10,273.11	9,713.25	9,524.82	188.43	51.547		
5,000.00	4,959.14	4,915.14	4,915.14	23.13	169.87	-14.07	740.58	10,273.11	9,700.27	9,507.92	192.34	50.433		
5,100.00	5,058.24	5,014.24	5,014.24	23.60	173.33	-14.09	740.58	10,273.11	9,687.28	9,491.03	196.25	49.362		
5,200.00	5,157.34	5,113.34	5,113.34	24.06	176.79	-14.11	740.58	10,273.11	9,674.29	9,474.14	200.16	48.334		
5,300.00	5,256.44	5,212.44	5,212.44	24.52	180.25	-14.13	740.58	10,273.11	9,661.31	9,457.25	204.06	47.345		
5,400.00	5,355.54	5,311.54	5,311.54	24.99	183.71	-14.15	740.58	10,273.11	9,648.33	9,440.36	207.97	46.393		
5,500.00	5,454.64	5,410.64	5,410.64	25.45	187.17	-14.17	740.58	10,273.11	9,635.35	9,423.47	211.88	45.476		
5,600.00	5,553.74	5,509.74	5,509.74	25.92	190.63	-14.19	740.58	10,273.11	9,622.37	9,406.58	215.79	44.592		
5,700.00	5,652.84	5,608.84	5,608.84	26.38	194.09	-14.21	740.58	10,273.11	9,609.39	9,389.69	219.70	43.740		
5,800.00	5,751.94	5,707.94	5,707.94	26.84	197.55	-14.23	740.58	10,273.11	9,596.41	9,372.80	223.60	42.917		
5,900.00	5,851.04	5,807.04	5,807.04	27.31	201.01	-14.25	740.58	10,273.11	9,583.43	9,355.92	227.51	42.123		
6,000.00	5,950.14	5,906.14	5,906.14	27.77	204.46	-14.27	740.58	10,273.11	9,570.45	9,339.03	231.42	41.355		
6,100.00	6,049.24	6,005.24	6,005.24	28.24	207.92	-14.29	740.58	10,273.11	9,557.48	9,322.15	235.33	40.613		
6,200.00	6,148.34	6,104.34	6,104.34	28.70	211.38	-14.31	740.58	10,273.11	9,544.50	9,305.26	239.24	39.895		
6,304.69	6,252.09	6,208.09	6,208.09	29.19	215.00	-14.33	740.58	10,273.11	9,530.92	9,287.59	243.33	39.168		
6,350.00	6,297.17	6,253.17	6,253.17	29.39	216.58	-26.39	740.58	10,273.11	9,526.65	9,281.54	245.11	38.867		
6,387.62	6,334.75	6,309.25	6,290.75	29.54	218.54	-90.00	740.58	10,273.11	9,525.54	9,278.32	247.22	38.531 CC, ES		
6,400.00	6,347.13	6,303.13	6,303.13	29.59	218.32	-127.83	740.58	10,273.11	9,525.66	9,278.60	247.05	38.557		
6,450.00	6,397.02	6,353.02	6,353.02	29.78	220.06	-168.03	740.58	10,273.11	9,528.59	9,279.61	248.98	38.271		
6,500.00	6,446.53	6,402.53	6,402.53	29.96	221.79	-174.68	740.58	10,273.11	9,535.42	9,284.54	250.88	38.008		
6,550.00	6,495.35	6,451.35	6,451.35	30.14	223.50	-177.31	740.58	10,273.11	9,546.10	9,293.36	252.74	37.770		
6,600.00	6,543.19	6,500.81	6,499.19	30.33	225.22	-178.75	740.58	10,273.11	9,560.58	9,305.97	254.61	37.550		
6,650.00	6,589.76	6,545.76	6,545.76	30.52	226.79	-179.69	740.58	10,273.11	9,578.77	9,322.46	256.31	37.372		
6,700.00	6,634.75	6,609.25	6,590.75	30.71	229.01	179.62	740.58	10,273.11	9,600.54	9,341.90	258.64	37.119		
6,750.00	6,677.90	6,633.90	6,633.90	30.91	229.87	179.06	740.58	10,273.11	9,625.77	9,366.16	259.61	37.078		
6,800.00	6,718.94	6,674.94	6,674.94	31.13	231.30	178.56	740.58	10,273.11	9,654.30	9,393.17	261.13	36.971		
6,850.00	6,757.62	6,713.62	6,713.62	31.36	232.65	178.07	740.58	10,273.11	9,685.96	9,423.41	262.55	36.891		
6,900.00	6,793.70	6,749.70	6,749.70	31.61	233.91	177.58	740.58	10,273.11	9,720.55	9,456.67	263.87	36.838		
6,950.00	6,826.95	6,782.95	6,782.95	31.88	235.07	177.04	740.58	10,273.11	9,757.85	9,492.77	265.09	36.810		
7,000.00	6,857.18	6,813.18	6,813.18	32.19	236.13	176.41	740.58	10,273.11	9,797.64	9,531.47	266.18	36.808 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 13N-6B-M
<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 13N-6B-M	<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 - KELLY #2-3 - 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)		
7,050.00	6,884.18	6,840.18	6,840.18	32.52	237.07	175.63	740.58	10,273.11	9,839.68	9,572.53	267.15	36.832	
7,100.00	6,907.81	6,863.81	6,863.81	32.90	237.89	174.63	740.58	10,273.11	9,883.69	9,615.70	267.99	36.880	
7,150.00	6,927.91	6,883.91	6,883.91	33.32	238.59	173.23	740.58	10,273.11	9,929.42	9,660.71	268.71	36.952	
7,200.00	6,944.36	6,900.36	6,900.36	33.77	239.17	171.13	740.58	10,273.11	9,976.58	9,707.29	269.29	37.048	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.60	-612.18	5,287.86	5,323.23					
100.00	100.00	96.06	96.06	3.28	3.29	96.61	-612.39	5,287.66	5,323.04	5,316.47	6.57	810.013		
200.00	200.00	231.58	231.57	3.34	3.34	96.61	-613.03	5,286.59	5,322.29	5,315.61	6.68	796.679		
300.00	299.98	314.62	314.61	3.44	3.43	-2.38	-613.43	5,285.84	5,319.71	5,312.83	6.87	773.811		
400.00	399.84	445.52	445.50	3.60	3.64	-2.38	-614.04	5,284.66	5,313.68	5,306.44	7.24	733.611		
500.00	499.45	560.13	560.09	3.80	3.89	-2.39	-614.24	5,282.96	5,303.53	5,295.84	7.69	689.432		
584.50	583.35	615.92	615.89	4.01	4.02	-2.40	-614.47	5,282.25	5,292.42	5,284.38	8.03	658.807		
600.00	598.71	627.13	627.09	4.05	4.05	-2.40	-614.54	5,282.13	5,290.19	5,282.08	8.10	652.721		
700.00	697.81	711.90	711.85	4.33	4.28	-2.40	-615.16	5,281.36	5,276.01	5,267.41	8.60	613.271		
800.00	796.91	792.31	792.26	4.64	4.52	-2.40	-615.62	5,280.86	5,262.10	5,252.97	9.14	576.012		
900.00	896.01	886.84	886.79	4.98	4.80	-2.41	-615.18	5,280.69	5,248.50	5,238.76	9.74	538.639		
1,000.00	995.11	970.94	970.86	5.34	5.07	-2.44	-612.75	5,280.80	5,234.94	5,224.59	10.35	505.965		
1,100.00	1,094.21	1,088.56	1,088.26	5.71	5.45	-2.52	-605.83	5,281.69	5,221.69	5,210.61	11.08	471.096		
1,200.00	1,193.31	1,522.39	1,519.98	6.10	7.07	-2.98	-566.43	5,271.35	5,205.47	5,192.43	13.04	399.155		
1,300.00	1,292.41	1,638.90	1,636.08	6.49	7.54	-3.06	-559.72	5,264.21	5,185.52	5,171.64	13.87	373.754		
1,400.00	1,391.51	1,699.13	1,696.06	6.90	7.78	-3.10	-555.96	5,260.41	5,165.40	5,150.90	14.50	356.163		
1,500.00	1,490.61	1,753.00	1,749.81	7.31	8.00	-3.13	-553.52	5,257.58	5,146.32	5,131.20	15.12	340.418		
1,600.00	1,589.71	1,792.88	1,789.61	7.73	8.17	-3.15	-551.88	5,255.87	5,128.19	5,112.50	15.69	326.919		
1,700.00	1,688.81	1,845.00	1,841.63	8.16	8.38	-3.18	-549.10	5,254.12	5,110.98	5,094.67	16.31	313.363		
1,800.00	1,787.92	1,952.25	1,948.69	8.59	8.82	-3.25	-543.45	5,250.84	5,094.08	5,076.92	17.16	296.909		
1,900.00	1,887.02	2,029.00	2,025.34	9.02	9.14	-3.29	-540.31	5,248.58	5,077.40	5,059.51	17.89	283.819		
2,000.00	1,986.12	2,121.00	2,117.24	9.46	9.52	-3.33	-537.16	5,245.87	5,060.81	5,042.12	18.69	270.832		
2,100.00	2,085.22	2,183.32	2,179.52	9.90	9.78	-3.35	-535.64	5,244.20	5,044.65	5,025.28	19.37	260.442		
2,200.00	2,184.32	2,245.17	2,241.36	10.34	10.04	-3.36	-534.91	5,243.11	5,029.42	5,009.36	20.05	250.791		
2,300.00	2,283.42	2,335.63	2,331.80	10.78	10.41	-3.39	-533.47	5,241.99	5,014.66	4,993.81	20.85	240.472		
2,400.00	2,382.52	2,494.48	2,490.60	11.23	11.07	-3.43	-530.52	5,239.16	4,999.41	4,977.49	21.92	228.024		
2,500.00	2,481.62	2,590.90	2,586.97	11.68	11.48	-3.46	-528.84	5,236.83	4,983.51	4,960.75	22.76	218.990		
2,600.00	2,580.72	2,635.76	2,631.82	12.13	11.66	-3.46	-528.71	5,235.97	4,968.18	4,944.80	23.38	212.465		
2,700.00	2,679.82	2,674.00	2,670.05	12.58	11.81	-3.46	-529.12	5,235.51	4,953.87	4,929.88	23.99	206.526		
2,800.00	2,778.92	2,716.25	2,712.30	13.03	11.98	-3.46	-529.74	5,235.48	4,940.72	4,916.12	24.60	200.854		
2,900.00	2,878.02	2,766.00	2,762.04	13.48	12.17	-3.46	-530.19	5,236.35	4,928.96	4,903.72	25.24	195.296		
3,000.00	2,977.12	2,840.20	2,836.22	13.94	12.46	-3.46	-530.62	5,238.23	4,918.05	4,892.08	25.97	189.386		
3,100.00	3,076.22	2,950.15	2,946.14	14.39	12.89	-3.47	-531.29	5,240.65	4,906.92	4,880.08	26.84	182.850		
3,200.00	3,175.32	3,100.65	3,096.61	14.85	13.48	-3.47	-532.47	5,242.97	4,895.13	4,867.27	27.86	175.707		
3,300.00	3,274.43	3,207.33	3,203.28	15.30	13.90	-3.47	-533.42	5,243.96	4,882.77	4,854.05	28.72	169.999		
3,400.00	3,373.53	3,323.34	3,319.29	15.76	14.37	-3.48	-534.10	5,244.86	4,870.24	4,840.62	29.62	164.402		
3,500.00	3,472.63	3,400.17	3,396.11	16.22	14.68	-3.49	-533.80	5,245.62	4,857.81	4,827.42	30.38	159.877		
3,600.00	3,571.73	3,502.84	3,498.75	16.68	15.11	-3.52	-532.05	5,246.99	4,845.61	4,814.36	31.25	155.051		
3,700.00	3,670.83	3,645.47	3,641.34	17.14	15.71	-3.58	-528.65	5,247.77	4,832.46	4,800.17	32.28	149.700		
3,800.00	3,769.93	3,801.56	3,797.41	17.59	16.36	-3.61	-527.28	5,247.17	4,818.63	4,785.27	33.36	144.457		
3,900.00	3,869.03	3,869.62	3,865.47	18.05	16.65	-3.61	-527.31	5,246.47	4,804.36	4,770.26	34.10	140.907		
4,000.00	3,968.13	3,908.80	3,904.65	18.51	16.81	-3.61	-527.72	5,246.52	4,791.22	4,756.50	34.72	137.983		
4,100.00	4,067.23	3,972.12	3,967.95	18.98	17.07	-3.60	-529.04	5,247.33	4,779.23	4,743.79	35.44	134.866		
4,200.00	4,166.33	4,060.37	4,056.18	19.44	17.42	-3.59	-530.99	5,248.59	4,767.50	4,731.26	36.24	131.542		
4,300.00	4,265.43	4,134.85	4,130.62	19.90	17.73	-3.58	-532.47	5,250.01	4,756.22	4,719.22	37.00	128.552		
4,400.00	4,364.53	4,353.90	4,349.63	20.36	18.63	-3.58	-534.50	5,252.63	4,744.35	4,706.05	38.31	123.853		
4,500.00	4,463.63	4,478.51	4,474.24	20.82	19.15	-3.59	-534.91	5,252.09	4,730.62	4,691.36	39.26	120.493		
4,600.00	4,562.73	4,582.81	4,578.54	21.28	19.59	-3.60	-534.99	5,251.36	4,716.58	4,676.44	40.14	117.492		
4,700.00	4,661.83	4,710.76	4,706.47	21.75	20.14	-3.62	-534.51	5,249.94	4,702.09	4,660.97	41.12	114.364		
4,800.00	4,760.93	4,786.03	4,781.74	22.21	20.46	-3.63	-534.29	5,248.95	4,687.45	4,645.56	41.89	111.889		
4,900.00	4,860.04	4,860.54	4,856.25	22.67	20.77	-3.63	-534.38	5,248.52	4,673.51	4,630.84	42.67	109.528		
5,000.00	4,959.14	4,958.31	4,954.02	23.13	21.19	-3.64	-534.49	5,248.14	4,659.79	4,616.26	43.53	107.046		

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 13N-6B-M
<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 13N-6B-M	<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		
5,100.00	5,058.24	5,058.28	5,053.98	23.60	21.61	-3.64	-534.95	5,247.69	4,646.03	4,601.63	44.40	104.643		
5,200.00	5,157.34	5,184.47	5,180.17	24.06	22.14	-3.65	-535.81	5,246.83	4,632.09	4,586.73	45.36	102.115		
5,300.00	5,256.44	5,278.74	5,274.42	24.52	22.54	-3.64	-536.93	5,245.85	4,617.82	4,571.61	46.21	99.933		
5,400.00	5,355.54	5,379.29	5,374.96	24.99	22.96	-3.63	-538.39	5,244.78	4,603.55	4,556.47	47.08	97.782		
5,500.00	5,454.64	5,486.26	5,481.93	25.45	23.42	-3.65	-537.85	5,243.87	4,589.32	4,541.34	47.97	95.661		
5,600.00	5,553.74	5,603.10	5,598.74	25.92	23.92	-3.65	-538.96	5,242.12	4,574.56	4,525.65	48.90	93.541		
5,700.00	5,652.84	5,665.11	5,660.73	26.38	24.18	-3.63	-540.63	5,241.20	4,560.03	4,510.39	49.64	91.863		
5,800.00	5,751.94	5,717.00	5,712.60	26.84	24.39	-3.62	-541.65	5,241.03	4,546.54	4,496.20	50.34	90.325		
5,900.00	5,851.04	5,835.74	5,831.32	27.31	24.89	-3.61	-543.78	5,240.99	4,533.31	4,482.04	51.27	88.421		
6,000.00	5,950.14	5,922.68	5,918.24	27.77	25.26	-3.59	-545.64	5,240.75	4,519.90	4,467.81	52.09	86.770		
6,100.00	6,049.24	5,989.07	5,984.63	28.24	25.54	-3.60	-545.76	5,241.15	4,507.14	4,454.30	52.84	85.303		
6,200.00	6,148.34	6,144.87	6,140.42	28.70	26.19	-3.61	-546.49	5,241.13	4,493.66	4,439.76	53.91	83.360		
6,304.69	6,252.09	6,238.13	6,233.67	29.19	26.59	-3.60	-547.62	5,240.79	4,479.43	4,424.65	54.78	81.775		
6,350.00	6,297.17	6,253.00	6,248.54	29.39	26.65	-15.73	-547.59	5,240.78	4,475.02	4,419.96	55.06	81.275		
6,385.47	6,332.60	6,277.53	6,273.07	29.54	26.75	-72.02	-547.51	5,240.88	4,473.92	4,418.61	55.31	80.881 CC, ES		
6,400.00	6,347.13	6,283.15	6,278.69	29.59	26.78	-117.19	-547.50	5,240.93	4,474.10	4,418.70	55.40	80.755		
6,450.00	6,397.02	6,302.42	6,297.95	29.78	26.86	-157.34	-547.44	5,241.20	4,477.45	4,421.76	55.69	80.405		
6,500.00	6,446.53	6,342.00	6,337.53	29.96	27.02	-163.88	-547.35	5,242.16	4,485.12	4,429.09	56.03	80.052		
6,550.00	6,495.35	6,342.00	6,337.53	30.14	27.02	-166.31	-547.35	5,242.16	4,496.70	4,440.49	56.21	80.003 SF		
6,600.00	6,543.19	6,342.00	6,337.53	30.33	27.02	-167.47	-547.35	5,242.16	4,512.53	4,456.17	56.36	80.061		
6,650.00	6,589.76	6,342.00	6,337.53	30.52	27.02	-168.02	-547.35	5,242.16	4,532.47	4,475.97	56.50	80.221		
6,700.00	6,634.75	6,375.47	6,370.96	30.71	27.16	-168.28	-547.09	5,243.60	4,555.86	4,499.10	56.75	80.274		
6,750.00	6,677.90	6,385.92	6,381.39	30.91	27.21	-168.25	-546.94	5,244.20	4,583.11	4,526.21	56.90	80.551		
6,800.00	6,718.94	6,395.67	6,391.13	31.13	27.25	-168.00	-546.76	5,244.83	4,613.79	4,556.77	57.02	80.916		
6,850.00	6,757.62	6,431.00	6,426.33	31.36	27.39	-167.62	-545.84	5,247.66	4,647.97	4,590.73	57.24	81.206		
6,900.00	6,793.70	6,431.00	6,426.33	31.61	27.39	-166.91	-545.84	5,247.66	4,684.62	4,627.33	57.29	81.773		
6,950.00	6,826.95	6,431.00	6,426.33	31.88	27.39	-165.89	-545.84	5,247.66	4,723.99	4,666.66	57.32	82.407		
7,000.00	6,857.18	6,431.00	6,426.33	32.19	27.39	-164.47	-545.84	5,247.66	4,765.77	4,708.42	57.35	83.100		
7,050.00	6,884.18	6,431.00	6,426.33	32.52	27.39	-162.45	-545.84	5,247.66	4,809.66	4,752.30	57.37	83.842		
7,100.00	6,907.81	6,431.00	6,426.33	32.90	27.39	-159.51	-545.84	5,247.66	4,855.32	4,797.95	57.37	84.625		
7,150.00	6,927.91	6,431.00	6,426.33	33.32	27.39	-155.00	-545.84	5,247.66	4,902.43	4,845.05	57.38	85.440		
7,200.00	6,944.36	6,431.00	6,426.33	33.77	27.39	-147.50	-545.84	5,247.66	4,950.66	4,893.28	57.38	86.276		
7,250.00	6,957.05	6,431.00	6,426.33	34.27	27.39	-133.71	-545.84	5,247.66	4,999.69	4,942.30	57.38	87.126		
7,300.00	6,965.92	6,431.00	6,426.33	34.80	27.39	-107.04	-545.84	5,247.66	5,049.19	4,991.79	57.39	87.979		
7,350.00	6,970.89	6,431.00	6,426.33	35.37	27.39	-69.43	-545.84	5,247.66	5,098.84	5,041.44	57.40	88.827		
7,396.89	6,972.00	6,431.00	6,426.33	35.93	27.39	-43.82	-545.84	5,247.66	5,145.29	5,087.87	57.42	89.610		
7,400.00	6,971.96	6,431.00	6,426.33	35.97	27.39	-43.82	-545.84	5,247.66	5,148.36	5,090.94	57.42	89.662		
7,500.00	6,970.65	6,431.00	6,426.33	37.28	27.39	-43.82	-545.84	5,247.66	5,247.11	5,189.65	57.47	91.307		
7,600.00	6,969.33	6,431.00	6,426.33	38.76	27.39	-43.82	-545.84	5,247.66	5,345.92	5,288.40	57.52	92.947		
7,700.00	6,968.02	6,431.00	6,426.33	40.39	27.39	-43.82	-545.84	5,247.66	5,444.76	5,387.20	57.57	94.583		
7,800.00	6,966.70	6,431.00	6,426.33	42.15	27.39	-43.82	-545.84	5,247.66	5,543.65	5,486.03	57.62	96.214		
7,900.00	6,965.39	6,431.00	6,426.33	44.02	27.39	-43.82	-545.84	5,247.66	5,642.58	5,584.91	57.67	97.840		
8,000.00	6,964.07	6,431.00	6,426.33	45.99	27.39	-43.82	-545.84	5,247.66	5,741.54	5,683.82	57.73	99.462		
8,100.00	6,962.76	6,431.00	6,426.33	48.05	27.39	-43.82	-545.84	5,247.66	5,840.54	5,782.76	57.78	101.080		
8,200.00	6,961.45	6,431.00	6,426.33	50.19	27.39	-43.82	-545.84	5,247.66	5,939.58	5,881.74	57.84	102.693		
8,300.00	6,960.13	6,431.00	6,426.33	52.39	27.39	-43.82	-545.84	5,247.66	6,038.64	5,980.75	57.90	104.301		
8,400.00	6,958.82	6,431.00	6,426.33	54.65	27.39	-43.82	-545.84	5,247.66	6,137.74	6,079.78	57.95	105.906		
8,500.00	6,957.50	6,431.00	6,426.33	56.97	27.39	-43.82	-545.84	5,247.66	6,236.86	6,178.85	58.01	107.506		
8,600.00	6,956.19	6,431.00	6,426.33	59.33	27.39	-43.82	-545.84	5,247.66	6,336.01	6,277.94	58.07	109.102		
8,700.00	6,954.87	6,431.00	6,426.33	61.73	27.39	-43.82	-545.84	5,247.66	6,435.19	6,377.06	58.14	110.694		
8,800.00	6,953.56	6,431.00	6,426.33	64.16	27.39	-43.82	-545.84	5,247.66	6,534.39	6,476.20	58.20	112.281		
8,900.00	6,952.24	6,431.00	6,426.33	66.63	27.39	-43.82	-545.84	5,247.66	6,633.62	6,575.36	58.26	113.865		

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 13N-6B-M
<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 13N-6B-M	<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>													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,950.93	6,431.00	6,426.33	69.13	27.39	-43.82	-545.84	5,247.66	6,732.87	6,674.55	58.32	115.444		
9,100.00	6,949.61	6,431.00	6,426.33	71.65	27.39	-43.82	-545.84	5,247.66	6,832.14	6,773.76	58.39	117.019		
9,200.00	6,948.30	6,431.00	6,426.33	74.20	27.39	-43.82	-545.84	5,247.66	6,931.44	6,872.99	58.45	118.589		
9,300.00	6,946.98	6,431.00	6,426.33	76.77	27.39	-43.82	-545.84	5,247.66	7,030.75	6,972.24	58.51	120.156		
9,400.00	6,945.67	6,431.00	6,426.33	79.35	27.39	-43.82	-545.84	5,247.66	7,130.08	7,071.50	58.58	121.718		
9,500.00	6,944.35	6,431.00	6,426.33	81.95	27.39	-43.82	-545.84	5,247.66	7,229.43	7,170.79	58.64	123.276		
9,600.00	6,943.04	6,431.00	6,426.33	84.57	27.39	-43.82	-545.84	5,247.66	7,328.80	7,270.09	58.71	124.830		
9,700.00	6,941.73	6,431.00	6,426.33	87.21	27.39	-43.82	-545.84	5,247.66	7,428.18	7,369.41	58.78	126.379		
9,800.00	6,940.41	6,431.00	6,426.33	89.85	27.39	-43.82	-545.84	5,247.66	7,527.59	7,468.74	58.84	127.924		
9,900.00	6,939.10	6,431.00	6,426.33	92.51	27.39	-43.82	-545.84	5,247.66	7,627.00	7,568.09	58.91	129.465		
10,000.00	6,937.78	6,431.00	6,426.33	95.17	27.39	-43.82	-545.84	5,247.66	7,726.44	7,667.46	58.98	131.001		
10,100.00	6,936.47	6,394.95	6,390.40	97.85	27.24	-42.17	-546.77	5,244.78	7,825.36	7,766.44	58.93	132.800		
10,200.00	6,935.15	6,393.66	6,389.12	100.54	27.24	-42.11	-546.80	5,244.70	7,924.78	7,865.79	58.99	134.337		
10,300.00	6,933.84	6,392.41	6,387.87	103.23	27.23	-42.06	-546.82	5,244.61	8,024.22	7,965.16	59.06	135.870		
10,400.00	6,932.52	6,391.18	6,386.64	105.93	27.23	-42.00	-546.84	5,244.53	8,123.67	8,064.55	59.13	137.398		
10,500.00	6,931.21	6,389.98	6,385.44	108.64	27.22	-41.95	-546.86	5,244.46	8,223.13	8,163.94	59.19	138.922		
10,600.00	6,929.89	6,388.80	6,384.27	111.36	27.22	-41.90	-546.89	5,244.38	8,322.61	8,263.34	59.26	140.441		
10,700.00	6,928.58	6,387.64	6,383.11	114.08	27.21	-41.85	-546.91	5,244.31	8,422.09	8,362.76	59.33	141.955		
10,800.00	6,927.26	6,386.51	6,381.99	116.81	27.21	-41.80	-546.93	5,244.24	8,521.59	8,462.19	59.40	143.464		
10,900.00	6,925.95	6,385.41	6,380.88	119.54	27.20	-41.75	-546.94	5,244.17	8,621.09	8,561.62	59.47	144.969		
11,000.00	6,924.64	6,384.32	6,379.80	122.28	27.20	-41.70	-546.96	5,244.10	8,720.61	8,661.07	59.54	146.469		
11,100.00	6,923.32	6,383.26	6,378.74	125.02	27.19	-41.65	-546.98	5,244.04	8,820.14	8,760.53	59.61	147.965		
11,200.00	6,922.01	6,382.22	6,377.70	127.77	27.19	-41.61	-547.00	5,243.98	8,919.67	8,859.99	59.68	149.456		
11,300.00	6,920.69	6,381.20	6,376.68	130.52	27.19	-41.56	-547.01	5,243.92	9,019.22	8,959.47	59.75	150.941		
11,400.00	6,919.38	6,380.20	6,375.68	133.28	27.18	-41.52	-547.03	5,243.86	9,118.77	9,058.95	59.83	152.422		
11,500.00	6,918.06	6,379.21	6,374.70	136.04	27.18	-41.48	-547.04	5,243.81	9,218.34	9,158.44	59.90	153.899		
11,600.00	6,916.75	6,342.00	6,337.53	138.80	27.02	-39.89	-547.35	5,242.16	9,318.43	9,258.56	59.86	155.668		
11,700.00	6,915.43	6,342.00	6,337.53	141.56	27.02	-39.89	-547.35	5,242.16	9,417.98	9,358.04	59.94	157.127		
11,800.00	6,914.12	6,342.00	6,337.53	144.33	27.02	-39.89	-547.35	5,242.16	9,517.54	9,457.53	60.02	158.581		
11,900.00	6,912.80	6,342.00	6,337.53	147.10	27.02	-39.89	-547.35	5,242.16	9,617.11	9,557.02	60.10	160.030		
12,000.00	6,911.49	6,342.00	6,337.53	149.88	27.02	-39.89	-547.35	5,242.16	9,716.70	9,656.52	60.17	161.475		
12,100.00	6,910.17	6,342.00	6,337.53	152.65	27.02	-39.89	-547.35	5,242.16	9,816.28	9,756.03	60.25	162.915		
12,200.00	6,908.86	6,342.00	6,337.53	155.43	27.02	-39.89	-547.35	5,242.16	9,915.88	9,855.55	60.33	164.350		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.74	-620.21	5,248.61	5,285.17					
100.00	100.00	92.16	92.15	3.28	3.29	96.75	-621.09	5,248.38	5,285.02	5,278.45	6.57	804.072		
200.00	200.00	206.18	206.15	3.34	3.36	96.77	-623.15	5,247.54	5,284.49	5,277.79	6.70	788.934		
300.00	299.98	291.78	291.74	3.44	3.46	-2.21	-624.51	5,247.04	5,282.36	5,275.45	6.91	764.943		
400.00	399.84	388.63	388.58	3.60	3.62	-2.20	-625.96	5,246.63	5,276.88	5,269.66	7.22	730.706		
500.00	499.45	537.63	537.56	3.80	3.95	-2.19	-628.13	5,245.68	5,267.83	5,260.07	7.75	679.593		
584.50	583.35	667.22	667.03	4.01	4.30	-2.15	-632.72	5,242.86	5,256.24	5,247.93	8.31	632.692		
600.00	598.71	678.74	678.53	4.05	4.33	-2.15	-633.33	5,242.56	5,253.86	5,245.47	8.38	626.614		
700.00	697.81	742.00	741.62	4.33	4.52	-2.10	-637.59	5,240.92	5,238.80	5,229.95	8.84	592.335		
800.00	796.91	798.28	797.71	4.64	4.71	-2.05	-642.17	5,239.80	5,224.49	5,215.16	9.32	560.314		
900.00	896.01	837.00	836.29	4.98	4.84	-2.02	-645.42	5,239.37	5,211.16	5,201.38	9.78	533.031		
1,000.00	995.11	887.68	886.77	5.34	5.01	-1.97	-649.94	5,239.31	5,198.85	5,188.55	10.30	504.961		
1,100.00	1,094.21	930.00	928.88	5.71	5.16	-1.93	-654.02	5,239.74	5,187.66	5,176.85	10.81	480.069		
1,200.00	1,193.31	961.11	959.83	6.10	5.27	-1.90	-657.15	5,240.41	5,177.67	5,166.37	11.29	458.448		
1,300.00	1,292.41	992.62	991.16	6.49	5.39	-1.87	-660.35	5,241.51	5,168.99	5,157.19	11.80	438.209		
1,400.00	1,391.51	1,025.00	1,023.33	6.90	5.51	-1.83	-663.67	5,243.06	5,161.63	5,149.32	12.31	419.277		
1,500.00	1,490.61	1,301.00	1,298.45	7.31	6.56	-1.66	-682.00	5,253.71	5,152.36	5,138.62	13.74	375.015		
1,600.00	1,589.71	1,367.49	1,364.85	7.73	6.81	-1.63	-684.89	5,255.47	5,142.28	5,127.88	14.40	357.064		
1,700.00	1,688.81	1,431.27	1,428.51	8.16	7.07	-1.60	-687.91	5,257.92	5,133.25	5,118.18	15.06	340.762		
1,800.00	1,787.92	1,533.32	1,530.27	8.59	7.48	-1.54	-694.45	5,261.90	5,124.55	5,108.66	15.89	322.551		
1,900.00	1,887.02	1,639.87	1,636.57	9.02	7.92	-1.48	-700.61	5,265.85	5,115.58	5,098.84	16.74	305.593		
2,000.00	1,986.12	1,795.33	1,791.74	9.46	8.57	-1.41	-708.55	5,270.75	5,105.93	5,088.13	17.79	286.950		
2,100.00	2,085.22	1,870.57	1,866.88	9.90	8.88	-1.38	-711.91	5,273.05	5,096.14	5,077.61	18.53	275.014		
2,200.00	2,184.32	1,946.00	1,942.17	10.34	9.20	-1.34	-715.59	5,275.55	5,086.70	5,067.43	19.27	263.923		
2,300.00	2,283.42	2,003.73	1,999.78	10.78	9.44	-1.31	-718.60	5,277.80	5,077.94	5,057.99	19.95	254.555		
2,400.00	2,382.52	2,066.90	2,062.78	11.23	9.71	-1.28	-721.99	5,280.93	5,070.11	5,049.46	20.65	245.562		
2,500.00	2,481.62	2,166.12	2,161.75	11.68	10.14	-1.24	-726.71	5,286.20	5,062.60	5,041.11	21.50	235.509		
2,600.00	2,580.72	2,294.95	2,290.19	12.13	10.70	-1.17	-734.43	5,292.46	5,054.85	5,032.37	22.48	224.855		
2,700.00	2,679.82	2,386.20	2,381.12	12.58	11.11	-1.10	-741.07	5,296.41	5,046.75	5,023.43	23.32	216.448		
2,800.00	2,778.92	2,496.56	2,491.12	13.03	11.60	-1.03	-748.26	5,301.44	5,038.77	5,014.53	24.23	207.925		
2,900.00	2,878.02	2,900.00	2,846.15	13.48	13.40	-0.94	-757.13	5,307.70	5,030.20	5,003.77	26.43	190.323		
3,000.00	2,977.12	2,796.43	2,790.19	13.94	12.94	-0.84	-767.34	5,311.28	5,020.15	4,993.74	26.41	190.075		
3,100.00	3,076.22	2,918.54	2,911.92	14.39	13.50	-0.74	-776.73	5,313.60	5,009.71	4,982.32	27.39	182.886		
3,200.00	3,175.32	3,046.81	3,040.00	14.85	14.06	-0.67	-783.41	5,315.98	4,998.93	4,970.54	28.39	176.090		
3,300.00	3,274.43	3,300.00	3,204.55	15.30	15.15	-0.61	-789.17	5,317.64	4,986.99	4,957.09	29.90	166.809		
3,400.00	3,373.53	3,335.62	3,328.67	15.76	15.30	-0.60	-790.43	5,318.05	4,974.03	4,943.56	30.47	163.247		
3,500.00	3,472.63	3,434.34	3,427.40	16.22	15.71	-0.59	-791.06	5,318.28	4,960.97	4,929.65	31.32	158.383		
3,600.00	3,571.73	3,503.70	3,496.75	16.68	16.00	-0.59	-791.38	5,318.77	4,948.34	4,916.28	32.06	154.326		
3,700.00	3,670.83	3,587.63	3,580.67	17.14	16.34	-0.59	-791.74	5,319.75	4,936.16	4,903.30	32.86	150.228		
3,800.00	3,769.93	3,700.65	3,693.69	17.59	16.81	-0.59	-791.98	5,321.05	4,923.93	4,890.18	33.76	145.865		
3,900.00	3,869.03	3,794.25	3,787.28	18.05	17.19	-0.59	-791.92	5,322.15	4,911.69	4,877.11	34.58	142.029		
4,000.00	3,968.13	3,902.73	3,895.75	18.51	17.63	-0.60	-791.95	5,323.42	4,899.48	4,864.01	35.46	138.153		
4,100.00	4,067.23	4,018.03	4,011.05	18.98	18.11	-0.60	-791.95	5,324.37	4,886.89	4,850.52	36.37	134.350		
4,200.00	4,166.33	4,093.62	4,086.63	19.44	18.43	-0.59	-792.63	5,324.92	4,874.38	4,837.23	37.15	131.209		
4,300.00	4,265.43	4,249.05	4,242.05	19.90	19.09	-0.58	-794.42	5,325.66	4,861.67	4,823.44	38.23	127.178		
4,400.00	4,364.53	4,348.37	4,341.37	20.36	19.50	-0.58	-794.57	5,325.65	4,848.29	4,809.21	39.08	124.053		
4,500.00	4,463.63	4,447.64	4,440.63	20.82	19.90	-0.58	-794.59	5,325.65	4,834.91	4,794.99	39.93	121.095		
4,600.00	4,562.73	4,580.98	4,573.97	21.28	20.43	-0.58	-794.45	5,325.27	4,821.26	4,780.38	40.88	117.928		
4,700.00	4,661.83	4,685.01	4,678.00	21.75	20.83	-0.58	-794.24	5,324.45	4,807.08	4,765.34	41.73	115.182		
4,800.00	4,760.93	4,770.25	4,763.24	22.21	21.17	-0.59	-794.05	5,323.87	4,793.00	4,750.47	42.53	112.708		
4,900.00	4,860.04	4,846.42	4,839.41	22.67	21.47	-0.59	-793.81	5,323.70	4,779.35	4,736.06	43.29	110.414		
5,000.00	4,959.14	4,937.90	4,930.89	23.13	21.83	-0.60	-793.23	5,323.86	4,766.04	4,721.94	44.10	108.082		

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 13N-6B-M
<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 13N-6B-M	<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		
5,100.00	5,058.24	5,061.50	5,054.48	23.60	22.31	-0.61	-792.41	5,323.74	4,752.46	4,707.45	45.01	105.577		
5,200.00	5,157.34	5,171.77	5,164.75	24.06	22.75	-0.61	-792.20	5,323.18	4,738.56	4,692.66	45.89	103.250		
5,300.00	5,256.44	5,256.39	5,249.37	24.52	23.10	-0.61	-792.37	5,322.69	4,724.64	4,677.94	46.70	101.169		
5,400.00	5,355.54	5,350.46	5,343.44	24.99	23.50	-0.61	-793.08	5,322.36	4,711.03	4,663.48	47.55	99.077		
5,500.00	5,454.64	5,472.57	5,465.54	25.45	24.01	-0.59	-794.08	5,321.69	4,697.24	4,648.75	48.49	96.863		
5,600.00	5,553.74	5,592.95	5,585.89	25.92	24.49	-0.62	-791.67	5,320.72	4,682.75	4,633.34	49.41	94.780		
5,700.00	5,652.84	5,685.72	5,678.63	26.38	24.86	-0.65	-789.56	5,320.01	4,668.29	4,618.07	50.23	92.946		
5,800.00	5,751.94	5,773.83	5,766.73	26.84	25.21	-0.66	-788.43	5,319.31	4,653.95	4,602.92	51.03	91.193		
5,900.00	5,851.04	5,871.39	5,864.28	27.31	25.61	-0.67	-788.13	5,318.65	4,639.86	4,587.98	51.88	89.434		
6,000.00	5,950.14	5,975.18	5,968.07	27.77	26.04	-0.66	-788.62	5,317.68	4,625.63	4,572.88	52.76	87.678		
6,100.00	6,049.24	6,063.55	6,056.43	28.24	26.41	-0.65	-789.37	5,316.86	4,611.47	4,557.88	53.59	86.053		
6,200.00	6,148.34	6,180.64	6,173.51	28.70	26.91	-0.63	-791.00	5,315.69	4,597.32	4,542.79	54.52	84.323		
6,304.69	6,252.09	6,231.16	6,224.02	29.19	27.13	-0.63	-791.47	5,315.45	4,582.89	4,527.64	55.25	82.951		
6,350.00	6,297.17	6,260.00	6,252.86	29.39	27.25	-12.77	-791.50	5,315.55	4,578.56	4,522.97	55.58	82.375		
6,393.67	6,340.81	6,339.75	6,332.61	29.57	27.58	-96.82	-791.51	5,315.68	4,577.33	4,521.26	56.06	81.644 CC		
6,400.00	6,347.13	6,353.98	6,346.84	29.59	27.64	-114.26	-791.54	5,315.62	4,577.35	4,521.21	56.14	81.531 ES		
6,450.00	6,397.02	6,349.00	6,341.86	29.78	27.62	-154.40	-791.53	5,315.64	4,580.01	4,523.66	56.35	81.274		
6,500.00	6,446.53	6,391.16	6,384.02	29.96	27.80	-160.92	-791.55	5,315.73	4,586.58	4,529.88	56.71	80.883		
6,550.00	6,495.35	6,411.33	6,404.19	30.14	27.88	-163.32	-791.51	5,315.97	4,597.39	4,540.42	56.97	80.699		
6,600.00	6,543.19	6,438.00	6,430.85	30.33	27.99	-164.45	-791.42	5,316.50	4,612.23	4,554.99	57.24	80.578 SF		
6,650.00	6,589.76	6,438.00	6,430.85	30.52	27.99	-164.93	-791.42	5,316.50	4,630.99	4,573.60	57.39	80.687		
6,700.00	6,634.75	6,438.00	6,430.85	30.71	27.99	-165.03	-791.42	5,316.50	4,653.70	4,596.17	57.53	80.894		
6,750.00	6,677.90	6,438.00	6,430.85	30.91	27.99	-164.84	-791.42	5,316.50	4,680.16	4,622.52	57.64	81.195		
6,800.00	6,718.94	6,438.00	6,430.85	31.13	27.99	-164.39	-791.42	5,316.50	4,710.15	4,652.42	57.73	81.584		
6,850.00	6,757.62	6,478.13	6,470.94	31.36	28.16	-163.80	-791.13	5,318.13	4,742.59	4,684.62	57.97	81.807		
6,900.00	6,793.70	6,485.10	6,477.90	31.61	28.19	-162.84	-791.06	5,318.55	4,778.55	4,720.48	58.06	82.298		
6,950.00	6,826.95	6,491.37	6,484.16	31.88	28.22	-161.51	-790.99	5,318.96	4,817.21	4,759.07	58.14	82.857		
7,000.00	6,857.18	6,527.00	6,519.66	32.19	28.36	-159.90	-790.52	5,321.93	4,858.75	4,800.42	58.33	83.303		
7,050.00	6,884.18	6,527.00	6,519.66	32.52	28.36	-157.43	-790.52	5,321.93	4,901.81	4,843.46	58.35	84.000		
7,100.00	6,907.81	6,527.00	6,519.66	32.90	28.36	-153.96	-790.52	5,321.93	4,946.73	4,888.35	58.38	84.740		
7,150.00	6,927.91	6,527.00	6,519.66	33.32	28.36	-148.89	-790.52	5,321.93	4,993.17	4,934.78	58.39	85.513		
7,200.00	6,944.36	6,527.00	6,519.66	33.77	28.36	-141.13	-790.52	5,321.93	5,040.82	4,982.42	58.40	86.311		
7,250.00	6,957.05	6,527.00	6,519.66	34.27	28.36	-128.65	-790.52	5,321.93	5,089.35	5,030.93	58.42	87.124		
7,300.00	6,965.92	6,527.00	6,519.66	34.80	28.36	-108.63	-790.52	5,321.93	5,138.43	5,080.00	58.43	87.944		
7,350.00	6,970.89	6,527.00	6,519.66	35.37	28.36	-81.78	-790.52	5,321.93	5,187.77	5,129.32	58.45	88.761		
7,396.89	6,972.00	6,527.00	6,519.66	35.93	28.36	-58.56	-790.52	5,321.93	5,233.99	5,175.52	58.47	89.519		
7,400.00	6,971.96	6,527.00	6,519.66	35.97	28.36	-58.56	-790.52	5,321.93	5,237.04	5,178.57	58.47	89.570		
7,500.00	6,970.65	6,527.00	6,519.66	37.28	28.36	-58.56	-790.52	5,321.93	5,335.40	5,276.88	58.53	91.164		
7,600.00	6,969.33	6,527.00	6,519.66	38.76	28.36	-58.56	-790.52	5,321.93	5,433.82	5,375.24	58.59	92.750		
7,700.00	6,968.02	6,527.00	6,519.66	40.39	28.36	-58.56	-790.52	5,321.93	5,532.30	5,473.65	58.65	94.328		
7,800.00	6,966.70	6,527.00	6,519.66	42.15	28.36	-58.56	-790.52	5,321.93	5,630.84	5,572.12	58.72	95.899		
7,900.00	6,965.39	6,527.00	6,519.66	44.02	28.36	-58.56	-790.52	5,321.93	5,729.42	5,670.63	58.79	97.463		
8,000.00	6,964.07	6,527.00	6,519.66	45.99	28.36	-58.56	-790.52	5,321.93	5,828.05	5,769.19	58.86	99.020		
8,100.00	6,962.76	6,527.00	6,519.66	48.05	28.36	-58.56	-790.52	5,321.93	5,926.73	5,867.80	58.93	100.570		
8,200.00	6,961.45	6,527.00	6,519.66	50.19	28.36	-58.56	-790.52	5,321.93	6,025.45	5,966.44	59.01	102.113		
8,300.00	6,960.13	6,527.00	6,519.66	52.39	28.36	-58.56	-790.52	5,321.93	6,124.21	6,065.12	59.09	103.651		
8,400.00	6,958.82	6,527.00	6,519.66	54.65	28.36	-58.56	-790.52	5,321.93	6,223.01	6,163.85	59.16	105.182		
8,500.00	6,957.50	6,527.00	6,519.66	56.97	28.36	-58.56	-790.52	5,321.93	6,321.85	6,262.61	59.24	106.707		
8,600.00	6,956.19	6,527.00	6,519.66	59.33	28.36	-58.56	-790.52	5,321.93	6,420.73	6,361.40	59.33	108.227		
8,700.00	6,954.87	6,527.00	6,519.66	61.73	28.36	-58.56	-790.52	5,321.93	6,519.64	6,460.23	59.41	109.741		
8,800.00	6,953.56	6,527.00	6,519.66	64.16	28.36	-58.56	-790.52	5,321.93	6,618.58	6,559.09	59.49	111.249		
8,900.00	6,952.24	6,490.31	6,483.10	66.63	28.21	-56.73	-791.00	5,318.89	6,716.90	6,657.46	59.44	112.998		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,489.08	6,481.88	69.13	28.21	-56.67	-791.02	5,318.81	6,815.86	6,756.34	59.53	114.504		
9,100.00	6,949.61	6,487.89	6,480.68	71.65	28.20	-56.61	-791.03	5,318.73	6,914.85	6,855.24	59.61	116.005		
9,200.00	6,948.30	6,486.72	6,479.52	74.20	28.20	-56.56	-791.04	5,318.65	7,013.87	6,954.17	59.69	117.501		
9,300.00	6,946.98	6,485.58	6,478.38	76.77	28.19	-56.50	-791.05	5,318.58	7,112.91	7,053.13	59.78	118.991		
9,400.00	6,945.67	6,484.47	6,477.27	79.35	28.19	-56.45	-791.07	5,318.51	7,211.98	7,152.11	59.86	120.477		
9,500.00	6,944.35	6,483.38	6,476.19	81.95	28.18	-56.39	-791.08	5,318.44	7,311.07	7,251.12	59.95	121.957		
9,600.00	6,943.04	6,482.32	6,475.13	84.57	28.18	-56.34	-791.09	5,318.38	7,410.18	7,350.15	60.03	123.433		
9,700.00	6,941.73	6,481.29	6,474.10	87.21	28.17	-56.29	-791.10	5,318.32	7,509.32	7,449.20	60.12	124.904		
9,800.00	6,940.41	6,480.28	6,473.09	89.85	28.17	-56.24	-791.11	5,318.26	7,608.48	7,548.27	60.21	126.370		
9,900.00	6,939.10	6,479.29	6,472.11	92.51	28.16	-56.20	-791.12	5,318.20	7,707.66	7,647.37	60.30	127.831		
10,000.00	6,937.78	6,478.33	6,471.14	95.17	28.16	-56.15	-791.13	5,318.14	7,806.86	7,746.48	60.38	129.287		
10,100.00	6,936.47	6,477.38	6,470.20	97.85	28.16	-56.10	-791.14	5,318.09	7,906.08	7,845.61	60.47	130.739		
10,200.00	6,935.15	6,476.46	6,469.28	100.54	28.15	-56.06	-791.14	5,318.04	8,005.32	7,944.76	60.56	132.186		
10,300.00	6,933.84	6,438.00	6,430.85	103.23	27.99	-54.25	-791.42	5,316.50	8,105.25	8,044.72	60.53	133.915		
10,400.00	6,932.52	6,438.00	6,430.85	105.93	27.99	-54.25	-791.42	5,316.50	8,204.49	8,143.87	60.62	135.346		
10,500.00	6,931.21	6,438.00	6,430.85	108.64	27.99	-54.25	-791.42	5,316.50	8,303.75	8,243.03	60.71	136.773		
10,600.00	6,929.89	6,438.00	6,430.85	111.36	27.99	-54.25	-791.42	5,316.50	8,403.02	8,342.22	60.81	138.196		
10,700.00	6,928.58	6,438.00	6,430.85	114.08	27.99	-54.25	-791.42	5,316.50	8,502.32	8,441.42	60.90	139.614		
10,800.00	6,927.26	6,438.00	6,430.85	116.81	27.99	-54.25	-791.42	5,316.50	8,601.63	8,540.64	60.99	141.027		
10,900.00	6,925.95	6,438.00	6,430.85	119.54	27.99	-54.25	-791.42	5,316.50	8,700.95	8,639.87	61.09	142.437		
11,000.00	6,924.64	6,438.00	6,430.85	122.28	27.99	-54.25	-791.42	5,316.50	8,800.30	8,739.12	61.18	143.842		
11,100.00	6,923.32	6,438.00	6,430.85	125.02	27.99	-54.25	-791.42	5,316.50	8,899.65	8,838.38	61.27	145.242		
11,200.00	6,922.01	6,438.00	6,430.85	127.77	27.99	-54.25	-791.42	5,316.50	8,999.02	8,937.65	61.37	146.638		
11,300.00	6,920.69	6,438.00	6,430.85	130.52	27.99	-54.25	-791.42	5,316.50	9,098.41	9,036.94	61.46	148.030		
11,400.00	6,919.38	6,438.00	6,430.85	133.28	27.99	-54.25	-791.42	5,316.50	9,197.80	9,136.25	61.56	149.417		
11,500.00	6,918.06	6,438.00	6,430.85	136.04	27.99	-54.25	-791.42	5,316.50	9,297.22	9,235.56	61.65	150.801		
11,600.00	6,916.75	6,438.00	6,430.85	138.80	27.99	-54.25	-791.42	5,316.50	9,396.64	9,334.89	61.75	152.179		
11,700.00	6,915.43	6,438.00	6,430.85	141.56	27.99	-54.25	-791.42	5,316.50	9,496.07	9,434.23	61.84	153.553		
11,800.00	6,914.12	6,438.00	6,430.85	144.33	27.99	-54.25	-791.42	5,316.50	9,595.52	9,533.58	61.94	154.923		
11,900.00	6,912.80	6,438.00	6,430.85	147.10	27.99	-54.25	-791.42	5,316.50	9,694.98	9,632.95	62.03	156.289		
12,000.00	6,911.49	6,438.00	6,430.85	149.88	27.99	-54.25	-791.42	5,316.50	9,794.45	9,732.32	62.13	157.650		
12,100.00	6,910.17	6,438.00	6,430.85	152.65	27.99	-54.25	-791.42	5,316.50	9,893.93	9,831.71	62.22	159.006		
12,200.00	6,908.86	6,438.00	6,430.85	155.43	27.99	-54.25	-791.42	5,316.50	9,993.42	9,931.10	62.32	160.359		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.37	-589.96	5,283.40	5,316.29					
100.00	100.00	87.22	87.22	3.28	3.29	96.37	-589.95	5,283.32	5,316.16	5,309.59	6.57	809.121		
200.00	200.00	187.03	187.03	3.34	3.34	96.37	-589.74	5,283.16	5,315.98	5,309.30	6.68	795.848		
300.00	299.98	287.10	287.09	3.44	3.45	-2.64	-589.20	5,283.02	5,314.04	5,307.14	6.90	770.640		
400.00	399.84	389.28	389.27	3.60	3.62	-2.65	-588.89	5,282.90	5,308.67	5,301.45	7.22	735.655		
500.00	499.45	506.20	506.20	3.80	3.86	-2.66	-589.09	5,282.30	5,299.45	5,291.79	7.66	691.882		
584.50	583.35	577.16	577.15	4.01	4.02	-2.67	-589.32	5,281.92	5,288.99	5,280.95	8.03	658.499		
600.00	598.71	588.13	588.12	4.05	4.05	-2.67	-589.31	5,281.89	5,286.87	5,278.77	8.10	652.541		
700.00	697.81	648.00	647.99	4.33	4.21	-2.68	-588.83	5,281.94	5,273.55	5,265.03	8.53	618.453		
800.00	796.91	721.59	721.56	4.64	4.41	-2.70	-587.34	5,282.55	5,260.82	5,251.79	9.03	582.569		
900.00	896.01	824.30	824.18	4.98	4.72	-2.76	-583.32	5,284.11	5,248.53	5,238.87	9.66	543.323		
1,000.00	995.11	916.52	916.16	5.34	5.02	-2.83	-577.01	5,285.70	5,236.13	5,225.83	10.30	508.364		
1,100.00	1,094.21	1,006.51	1,005.69	5.71	5.33	-2.94	-568.10	5,287.70	5,223.92	5,212.95	10.97	476.261		
1,200.00	1,193.31	1,106.43	1,104.83	6.10	5.70	-3.09	-555.92	5,290.25	5,211.82	5,200.11	11.71	445.193		
1,300.00	1,292.41	1,196.12	1,193.73	6.49	6.04	-3.22	-544.28	5,292.65	5,199.79	5,187.35	12.44	418.111		
1,400.00	1,391.51	1,379.91	1,375.87	6.90	6.80	-3.51	-520.01	5,295.80	5,186.63	5,173.05	13.57	382.092		
1,500.00	1,490.61	1,556.23	1,550.98	7.31	7.55	-3.76	-499.44	5,295.77	5,171.98	5,157.27	14.71	351.584		
1,600.00	1,589.71	1,634.67	1,628.89	7.73	7.89	-3.87	-490.29	5,295.47	5,157.19	5,141.73	15.46	333.635		
1,700.00	1,688.81	1,693.40	1,687.06	8.16	8.16	-3.96	-482.24	5,295.65	5,142.97	5,126.84	16.13	318.787		
1,800.00	1,787.92	1,739.11	1,732.32	8.59	8.36	-4.04	-475.89	5,296.26	5,129.73	5,112.97	16.76	306.057		
1,900.00	1,887.02	1,789.65	1,782.35	9.02	8.60	-4.13	-468.86	5,297.45	5,117.51	5,100.09	17.42	293.822		
2,000.00	1,986.12	2,000.00	1,886.58	9.46	9.60	-4.32	-452.63	5,300.77	5,106.03	5,087.19	18.84	271.037		
2,100.00	2,085.22	1,996.27	1,986.39	9.90	9.58	-4.51	-436.88	5,303.26	5,093.90	5,074.66	19.24	264.722		
2,200.00	2,184.32	2,038.00	2,027.66	10.34	9.78	-4.59	-430.76	5,304.55	5,082.56	5,062.68	19.88	255.701		
2,300.00	2,283.42	2,100.14	2,089.11	10.78	10.08	-4.70	-421.92	5,307.01	5,072.14	5,051.53	20.61	246.130		
2,400.00	2,382.52	2,223.00	2,210.72	11.23	10.67	-4.91	-405.15	5,311.98	5,061.82	5,040.19	21.62	234.083		
2,500.00	2,481.62	2,282.59	2,269.75	11.68	10.96	-5.01	-397.31	5,314.21	5,051.50	5,029.16	22.35	226.051		
2,600.00	2,580.72	2,600.00	2,373.14	12.13	12.51	-5.19	-383.24	5,319.15	5,041.98	5,017.66	24.32	207.297		
2,700.00	2,679.82	2,456.90	2,442.23	12.58	11.81	-5.31	-373.48	5,322.21	5,032.27	5,008.20	24.07	209.097		
2,800.00	2,778.92	2,499.00	2,483.80	13.03	12.02	-5.39	-367.29	5,324.68	5,023.81	4,999.10	24.72	203.260		
2,900.00	2,878.02	2,704.60	2,687.00	13.48	13.05	-5.76	-337.78	5,335.01	5,014.47	4,988.31	26.16	191.652		
3,000.00	2,977.12	2,839.49	2,820.55	13.94	13.71	-6.00	-319.51	5,340.19	5,004.30	4,977.04	27.26	183.577		
3,100.00	3,076.22	2,956.30	2,936.72	14.39	14.26	-6.15	-307.89	5,343.61	4,993.38	4,965.14	28.24	176.808		
3,200.00	3,175.32	3,139.45	3,119.58	14.85	15.05	-6.29	-298.74	5,346.30	4,981.07	4,951.63	29.44	169.198		
3,300.00	3,274.43	3,257.51	3,237.63	15.30	15.48	-6.30	-299.67	5,346.93	4,968.35	4,938.04	30.31	163.930		
3,400.00	3,373.53	3,404.88	3,384.97	15.76	16.01	-6.29	-302.38	5,346.34	4,954.69	4,923.43	31.26	158.524		
3,500.00	3,472.63	3,544.93	3,525.00	16.22	16.53	-6.31	-303.09	5,344.88	4,940.42	4,908.22	32.20	153.408		
3,600.00	3,571.73	3,622.24	3,602.30	16.68	16.84	-6.32	-302.95	5,343.64	4,925.59	4,892.63	32.96	149.455		
3,700.00	3,670.83	3,675.00	3,655.07	17.14	17.04	-6.33	-302.74	5,343.39	4,911.73	4,878.11	33.63	146.061		
3,800.00	3,769.93	3,808.10	3,788.16	17.59	17.57	-6.36	-302.09	5,342.96	4,898.14	4,863.56	34.59	141.624		
3,900.00	3,869.03	3,923.73	3,903.78	18.05	18.03	-6.39	-301.85	5,341.66	4,883.70	4,848.22	35.48	137.661		
4,000.00	3,968.13	4,015.96	3,996.01	18.51	18.40	-6.41	-301.52	5,340.63	4,869.29	4,833.00	36.29	134.180		
4,100.00	4,067.23	4,108.43	4,088.47	18.98	18.76	-6.42	-301.52	5,339.73	4,855.02	4,817.92	37.10	130.861		
4,200.00	4,166.33	4,186.02	4,166.06	19.44	19.06	-6.43	-301.97	5,339.15	4,841.02	4,803.16	37.86	127.879		
4,300.00	4,265.43	4,269.47	4,249.51	19.90	19.38	-6.44	-302.50	5,338.90	4,827.44	4,788.81	38.63	124.962		
4,400.00	4,364.53	4,352.97	4,333.01	20.36	19.71	-6.45	-302.66	5,338.89	4,814.15	4,774.74	39.41	122.158		
4,500.00	4,463.63	4,445.21	4,425.25	20.82	20.07	-6.47	-302.78	5,339.16	4,801.14	4,760.92	40.22	119.373		
4,600.00	4,562.73	4,543.43	4,523.47	21.28	20.46	-6.48	-302.91	5,339.47	4,788.16	4,747.11	41.05	116.632		
4,700.00	4,661.83	4,609.29	4,589.33	21.75	20.72	-6.50	-302.80	5,339.85	4,775.47	4,733.69	41.78	114.297		
4,800.00	4,760.93	4,672.36	4,652.39	22.21	20.98	-6.52	-302.12	5,340.84	4,763.64	4,721.14	42.50	112.080		
4,900.00	4,860.04	4,805.08	4,785.04	22.67	21.54	-6.58	-298.98	5,343.15	4,752.03	4,708.54	43.49	109.257		
5,000.00	4,959.14	4,887.28	4,867.21	23.13	21.89	-6.62	-296.80	5,344.10	4,739.81	4,695.52	44.29	107.007		

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 13N-6B-M
<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 13N-6B-M	<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		
5,100.00	5,058.24	5,044.85	5,024.74	23.60	22.51	-6.63	-299.01	5,345.78	4,727.80	4,682.46	45.34	104.285		
5,200.00	5,157.34	5,175.67	5,155.52	24.06	23.02	-6.62	-301.98	5,345.44	4,714.33	4,668.06	46.27	101.888		
5,300.00	5,256.44	5,284.18	5,264.01	24.52	23.45	-6.61	-304.13	5,344.74	4,700.48	4,653.35	47.14	99.723		
5,400.00	5,355.54	5,405.90	5,385.70	24.99	23.93	-6.61	-306.19	5,343.48	4,686.22	4,638.17	48.05	97.534		
5,500.00	5,454.64	5,500.71	5,480.50	25.45	24.31	-6.61	-307.25	5,342.37	4,671.82	4,622.94	48.88	95.585		
5,600.00	5,553.74	5,572.51	5,552.30	25.92	24.59	-6.61	-308.15	5,341.69	4,657.68	4,608.04	49.63	93.846		
5,700.00	5,652.84	5,637.00	5,616.77	26.38	24.85	-6.61	-309.55	5,341.74	4,644.46	4,594.10	50.36	92.225		
5,800.00	5,751.94	5,712.15	5,691.89	26.84	25.15	-6.60	-311.64	5,342.25	4,631.89	4,580.77	51.12	90.606		
5,900.00	5,851.04	5,861.80	5,841.47	27.31	25.74	-6.57	-316.16	5,342.50	4,618.91	4,566.78	52.13	88.607		
6,000.00	5,950.14	6,022.54	6,002.16	27.77	26.39	-6.55	-319.65	5,340.69	4,604.56	4,551.39	53.17	86.601		
6,100.00	6,049.24	6,110.86	6,090.45	28.24	26.75	-6.55	-321.02	5,339.20	4,589.67	4,535.69	53.99	85.016		
6,200.00	6,148.34	6,188.15	6,167.74	28.70	27.06	-6.56	-321.61	5,338.37	4,575.32	4,520.55	54.77	83.538		
6,304.69	6,252.09	6,292.57	6,272.14	29.19	27.49	-6.57	-322.76	5,336.96	4,560.05	4,504.39	55.67	81.918		
6,350.00	6,297.17	6,314.25	6,293.82	29.39	27.58	-18.67	-323.01	5,336.80	4,555.32	4,499.34	55.97	81.383		
6,387.32	6,334.46	6,332.21	6,311.77	29.54	27.65	-81.27	-323.19	5,336.76	4,554.00	4,497.78	56.22	81.010 CC		
6,400.00	6,347.13	6,351.00	6,330.56	29.59	27.73	-120.13	-323.35	5,336.79	4,554.12	4,497.78	56.34	80.834 ES		
6,450.00	6,397.02	6,366.05	6,345.61	29.78	27.79	-160.30	-323.46	5,336.87	4,557.03	4,500.42	56.61	80.495		
6,500.00	6,446.53	6,397.69	6,377.25	29.96	27.92	-166.86	-323.65	5,337.12	4,564.08	4,507.15	56.93	80.177		
6,550.00	6,495.35	6,428.82	6,408.38	30.14	28.05	-169.37	-323.80	5,337.49	4,575.17	4,517.95	57.22	79.954		
6,600.00	6,543.19	6,441.00	6,420.56	30.33	28.10	-170.62	-323.84	5,337.66	4,590.27	4,532.84	57.44	79.919 SF		
6,650.00	6,589.76	6,441.00	6,420.56	30.52	28.10	-171.29	-323.84	5,337.66	4,609.50	4,551.92	57.59	80.045		
6,700.00	6,634.75	6,472.16	6,451.71	30.71	28.23	-171.67	-323.86	5,338.44	4,632.32	4,574.48	57.84	80.095		
6,750.00	6,677.90	6,483.13	6,462.67	30.91	28.28	-171.82	-323.83	5,338.86	4,658.98	4,600.99	57.99	80.341		
6,800.00	6,718.94	6,493.41	6,472.94	31.13	28.32	-171.80	-323.77	5,339.32	4,689.13	4,631.00	58.12	80.676		
6,850.00	6,757.62	6,530.00	6,509.46	31.36	28.47	-171.67	-323.44	5,341.48	4,722.83	4,664.48	58.35	80.945		
6,900.00	6,793.70	6,530.00	6,509.46	31.61	28.47	-171.33	-323.44	5,341.48	4,759.05	4,700.64	58.41	81.481		
6,950.00	6,826.95	6,530.00	6,509.46	31.88	28.47	-170.79	-323.44	5,341.48	4,798.07	4,739.62	58.45	82.085		
7,000.00	6,857.18	6,530.00	6,509.46	32.19	28.47	-169.99	-323.44	5,341.48	4,839.57	4,781.09	58.48	82.751		
7,050.00	6,884.18	6,530.00	6,509.46	32.52	28.47	-168.85	-323.44	5,341.48	4,883.24	4,824.74	58.50	83.468		
7,100.00	6,907.81	6,530.00	6,509.46	32.90	28.47	-167.14	-323.44	5,341.48	4,928.76	4,870.25	58.52	84.229		
7,150.00	6,927.91	6,530.00	6,509.46	33.32	28.47	-164.47	-323.44	5,341.48	4,975.80	4,917.28	58.52	85.025		
7,200.00	6,944.36	6,530.00	6,509.46	33.77	28.47	-159.89	-323.44	5,341.48	5,024.03	4,965.51	58.52	85.846		
7,250.00	6,957.05	6,530.00	6,509.46	34.27	28.47	-150.69	-323.44	5,341.48	5,073.13	5,014.60	58.52	86.684		
7,300.00	6,965.92	6,530.00	6,509.46	34.80	28.47	-126.94	-323.44	5,341.48	5,122.76	5,064.23	58.53	87.530		
7,350.00	6,970.89	6,530.00	6,509.46	35.37	28.47	-70.43	-323.44	5,341.48	5,172.62	5,114.09	58.53	88.374		
7,396.89	6,972.00	6,530.00	6,509.46	35.93	28.47	-34.34	-323.44	5,341.48	5,219.31	5,160.77	58.54	89.157		
7,400.00	6,971.96	6,530.00	6,509.46	35.97	28.47	-34.34	-323.44	5,341.48	5,222.39	5,163.85	58.54	89.209		
7,500.00	6,970.65	6,530.00	6,509.46	37.28	28.47	-34.34	-323.44	5,341.48	5,321.71	5,263.14	58.57	90.861		
7,600.00	6,969.33	6,530.00	6,509.46	38.76	28.47	-34.34	-323.44	5,341.48	5,421.05	5,362.45	58.60	92.509		
7,700.00	6,968.02	6,530.00	6,509.46	40.39	28.47	-34.34	-323.44	5,341.48	5,520.42	5,461.79	58.63	94.155		
7,800.00	6,966.70	6,530.00	6,509.46	42.15	28.47	-34.34	-323.44	5,341.48	5,619.81	5,561.14	58.66	95.798		
7,900.00	6,965.39	6,530.00	6,509.46	44.02	28.47	-34.34	-323.44	5,341.48	5,719.22	5,660.52	58.70	97.437		
8,000.00	6,964.07	6,530.00	6,509.46	45.99	28.47	-34.34	-323.44	5,341.48	5,818.65	5,759.92	58.73	99.074		
8,100.00	6,962.76	6,530.00	6,509.46	48.05	28.47	-34.34	-323.44	5,341.48	5,918.10	5,859.33	58.76	100.708		
8,200.00	6,961.45	6,530.00	6,509.46	50.19	28.47	-34.34	-323.44	5,341.48	6,017.56	5,958.76	58.80	102.339		
8,300.00	6,960.13	6,530.00	6,509.46	52.39	28.47	-34.34	-323.44	5,341.48	6,117.05	6,058.21	58.84	103.966		
8,400.00	6,958.82	6,530.00	6,509.46	54.65	28.47	-34.34	-323.44	5,341.48	6,216.55	6,157.68	58.87	105.591		
8,500.00	6,957.50	6,530.00	6,509.46	56.97	28.47	-34.34	-323.44	5,341.48	6,316.07	6,257.16	58.91	107.212		
8,600.00	6,956.19	6,530.00	6,509.46	59.33	28.47	-34.34	-323.44	5,341.48	6,415.60	6,356.65	58.95	108.829		
8,700.00	6,954.87	6,530.00	6,509.46	61.73	28.47	-34.34	-323.44	5,341.48	6,515.15	6,456.16	58.99	110.444		
8,800.00	6,953.56	6,530.00	6,509.46	64.16	28.47	-34.34	-323.44	5,341.48	6,614.71	6,555.68	59.03	112.055		
8,900.00	6,952.24	6,530.00	6,509.46	66.63	28.47	-34.34	-323.44	5,341.48	6,714.28	6,655.21	59.07	113.663		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,530.00	6,509.46	69.13	28.47	-34.34	-323.44	5,341.48	6,813.87	6,754.75	59.11	115.267		
9,100.00	6,949.61	6,530.00	6,509.46	71.65	28.47	-34.34	-323.44	5,341.48	6,913.46	6,854.31	59.16	116.867		
9,200.00	6,948.30	6,530.00	6,509.46	74.20	28.47	-34.34	-323.44	5,341.48	7,013.07	6,953.87	59.20	118.464		
9,300.00	6,946.98	6,530.00	6,509.46	76.77	28.47	-34.34	-323.44	5,341.48	7,112.69	7,053.45	59.24	120.057		
9,400.00	6,945.67	6,530.00	6,509.46	79.35	28.47	-34.34	-323.44	5,341.48	7,212.33	7,153.04	59.29	121.647		
9,500.00	6,944.35	6,530.00	6,509.46	81.95	28.47	-34.34	-323.44	5,341.48	7,311.97	7,252.63	59.33	123.233		
9,600.00	6,943.04	6,530.00	6,509.46	84.57	28.47	-34.34	-323.44	5,341.48	7,411.62	7,352.24	59.38	124.814		
9,700.00	6,941.73	6,530.00	6,509.46	87.21	28.47	-34.34	-323.44	5,341.48	7,511.28	7,451.85	59.43	126.392		
9,800.00	6,940.41	6,530.00	6,509.46	89.85	28.47	-34.34	-323.44	5,341.48	7,610.95	7,551.47	59.48	127.966		
9,900.00	6,939.10	6,530.00	6,509.46	92.51	28.47	-34.34	-323.44	5,341.48	7,710.62	7,651.10	59.52	129.536		
10,000.00	6,937.78	6,530.00	6,509.46	95.17	28.47	-34.34	-323.44	5,341.48	7,810.31	7,750.73	59.57	131.102		
10,100.00	6,936.47	6,530.00	6,509.46	97.85	28.47	-34.34	-323.44	5,341.48	7,910.00	7,850.38	59.62	132.664		
10,200.00	6,935.15	6,530.00	6,509.46	100.54	28.47	-34.34	-323.44	5,341.48	8,009.70	7,950.03	59.68	134.222		
10,300.00	6,933.84	6,530.00	6,509.46	103.23	28.47	-34.34	-323.44	5,341.48	8,109.41	8,049.68	59.73	135.775		
10,400.00	6,932.52	6,530.00	6,509.46	105.93	28.47	-34.34	-323.44	5,341.48	8,209.13	8,149.35	59.78	137.324		
10,500.00	6,931.21	6,530.00	6,509.46	108.64	28.47	-34.34	-323.44	5,341.48	8,308.85	8,249.02	59.83	138.869		
10,600.00	6,929.89	6,530.00	6,509.46	111.36	28.47	-34.34	-323.44	5,341.48	8,408.58	8,348.69	59.89	140.409		
10,700.00	6,928.58	6,530.00	6,509.46	114.08	28.47	-34.34	-323.44	5,341.48	8,508.31	8,448.37	59.94	141.945		
10,800.00	6,927.26	6,530.00	6,509.46	116.81	28.47	-34.34	-323.44	5,341.48	8,608.06	8,548.06	60.00	143.477		
10,900.00	6,925.95	6,530.00	6,509.46	119.54	28.47	-34.34	-323.44	5,341.48	8,707.80	8,647.75	60.05	145.004		
11,000.00	6,924.64	6,530.00	6,509.46	122.28	28.47	-34.34	-323.44	5,341.48	8,807.56	8,747.45	60.11	146.526		
11,100.00	6,923.32	6,493.65	6,473.18	125.02	28.32	-32.54	-323.77	5,339.33	8,906.83	8,846.78	60.05	148.315		
11,200.00	6,922.01	6,492.72	6,472.25	127.77	28.32	-32.49	-323.78	5,339.29	9,006.57	8,946.46	60.11	149.836		
11,300.00	6,920.69	6,491.81	6,471.34	130.52	28.31	-32.45	-323.78	5,339.24	9,106.32	9,046.15	60.17	151.352		
11,400.00	6,919.38	6,490.91	6,470.44	133.28	28.31	-32.41	-323.79	5,339.20	9,206.07	9,145.84	60.22	152.863		
11,500.00	6,918.06	6,490.03	6,469.56	136.04	28.30	-32.37	-323.79	5,339.16	9,305.82	9,245.54	60.28	154.369		
11,600.00	6,916.75	6,489.16	6,468.70	138.80	28.30	-32.33	-323.80	5,339.12	9,405.58	9,345.24	60.34	155.871		
11,700.00	6,915.43	6,488.31	6,467.85	141.56	28.30	-32.29	-323.80	5,339.08	9,505.34	9,444.94	60.40	157.367		
11,800.00	6,914.12	6,487.48	6,467.02	144.33	28.29	-32.25	-323.81	5,339.05	9,605.11	9,544.65	60.46	158.858		
11,900.00	6,912.80	6,486.66	6,466.20	147.10	28.29	-32.21	-323.81	5,339.01	9,704.89	9,644.36	60.53	160.344		
12,000.00	6,911.49	6,485.86	6,465.40	149.88	28.29	-32.17	-323.81	5,338.98	9,804.66	9,744.07	60.59	161.826		
12,100.00	6,910.17	6,485.07	6,464.61	152.65	28.28	-32.14	-323.82	5,338.94	9,904.44	9,843.79	60.65	163.302		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.51	-597.98	5,244.15	5,278.18					
100.00	100.00	130.89	130.89	3.28	3.29	96.51	-598.30	5,243.44	5,277.74	5,271.16	6.58	802.358		
200.00	200.00	228.74	228.72	3.34	3.34	96.51	-598.61	5,242.25	5,276.57	5,269.89	6.68	790.463		
300.00	299.98	296.71	296.69	3.44	3.40	-2.50	-597.94	5,241.83	5,274.12	5,267.27	6.85	770.329		
400.00	399.84	364.00	363.96	3.60	3.49	-2.52	-596.29	5,242.04	5,268.89	5,261.80	7.09	743.064		
500.00	499.45	432.56	432.45	3.80	3.61	-2.56	-593.34	5,242.81	5,260.78	5,253.37	7.41	710.206		
584.50	583.35	499.20	498.95	4.01	3.74	-2.62	-589.18	5,243.95	5,251.57	5,243.83	7.74	678.169		
600.00	598.71	511.76	511.48	4.05	3.76	-2.63	-588.32	5,244.20	5,249.68	5,241.87	7.81	671.883		
700.00	697.81	613.09	612.50	4.33	4.00	-2.73	-580.70	5,246.37	5,237.61	5,229.28	8.33	629.021		
800.00	796.91	703.40	702.48	4.64	4.25	-2.82	-573.23	5,248.26	5,225.42	5,216.55	8.88	588.715		
900.00	896.01	793.55	792.22	4.98	4.53	-2.92	-564.97	5,250.52	5,213.56	5,204.08	9.48	550.166		
1,000.00	995.11	907.44	905.43	5.34	4.92	-3.06	-552.91	5,253.45	5,201.65	5,191.44	10.20	509.760		
1,100.00	1,094.21	1,016.33	1,013.51	5.71	5.32	-3.22	-539.91	5,256.08	5,189.46	5,178.49	10.96	473.328		
1,200.00	1,193.31	1,174.85	1,170.78	6.10	5.95	-3.45	-520.24	5,259.08	5,176.81	5,164.85	11.96	432.837		
1,300.00	1,292.41	1,248.82	1,244.12	6.49	6.26	-3.57	-510.69	5,260.05	5,163.56	5,150.91	12.65	408.165		
1,400.00	1,391.51	1,347.93	1,342.39	6.90	6.69	-3.72	-497.89	5,261.88	5,150.83	5,137.37	13.46	382.567		
1,500.00	1,490.61	1,701.37	1,693.29	7.31	8.23	-4.21	-456.69	5,257.14	5,134.01	5,118.64	15.37	334.059		
1,600.00	1,589.71	1,761.00	1,752.58	7.73	8.49	-4.29	-450.71	5,255.02	5,116.47	5,100.44	16.03	319.095		
1,700.00	1,688.81	1,807.13	1,798.46	8.16	8.69	-4.34	-446.14	5,253.79	5,099.87	5,083.22	16.65	306.272		
1,800.00	1,787.92	1,853.00	1,844.13	8.59	8.89	-4.40	-441.85	5,253.36	5,084.63	5,067.36	17.27	294.362		
1,900.00	1,887.02	1,898.83	1,889.75	9.02	9.10	-4.45	-437.42	5,253.41	5,070.44	5,052.53	17.90	283.211		
2,000.00	1,986.12	2,000.00	2,089.61	9.46	9.56	-4.73	-415.53	5,252.93	5,056.43	5,037.67	18.76	269.555		
2,100.00	2,085.22	2,179.98	2,169.15	9.90	10.38	-4.84	-406.43	5,251.28	5,040.32	5,020.31	20.01	251.900		
2,200.00	2,184.32	2,222.00	2,210.88	10.34	10.58	-4.90	-401.48	5,251.11	5,025.57	5,004.93	20.64	243.458		
2,300.00	2,283.42	2,372.98	2,360.96	10.78	11.28	-5.11	-385.16	5,250.21	5,010.95	4,989.20	21.75	230.339		
2,400.00	2,382.52	2,476.25	2,463.56	11.23	11.76	-5.26	-373.44	5,248.83	4,995.52	4,972.86	22.66	220.427		
2,500.00	2,481.62	2,538.36	2,525.30	11.68	12.05	-5.34	-366.76	5,248.14	4,980.43	4,957.04	23.39	212.889		
2,600.00	2,580.72	2,592.91	2,579.50	12.13	12.31	-5.42	-360.56	5,248.07	4,966.25	4,942.15	24.10	206.111		
2,700.00	2,679.82	2,737.79	2,723.35	12.58	13.00	-5.64	-343.32	5,247.82	4,952.02	4,926.81	25.21	196.455		
2,800.00	2,778.92	2,878.04	2,862.62	13.03	13.67	-5.86	-326.84	5,246.34	4,936.98	4,910.68	26.30	187.738		
2,900.00	2,878.02	2,978.35	2,962.32	13.48	14.15	-6.00	-315.98	5,244.65	4,921.41	4,894.20	27.21	180.898		
3,000.00	2,977.12	3,048.00	3,031.51	13.94	14.48	-6.11	-307.97	5,243.87	4,906.33	4,878.35	27.98	175.321		
3,100.00	3,076.22	3,142.38	3,125.27	14.39	14.93	-6.25	-297.19	5,243.11	4,891.65	4,862.77	28.88	169.402		
3,200.00	3,175.32	3,183.67	3,166.30	14.85	15.13	-6.31	-292.60	5,243.01	4,877.51	4,847.98	29.53	165.153		
3,300.00	3,274.43	3,233.23	3,215.52	15.30	15.37	-6.39	-286.80	5,243.44	4,864.48	4,834.25	30.23	160.935		
3,400.00	3,373.53	3,366.58	3,348.09	15.76	16.00	-6.58	-272.47	5,244.54	4,851.51	4,820.22	31.29	155.050		
3,500.00	3,472.63	3,448.04	3,429.17	16.22	16.38	-6.69	-264.64	5,244.94	4,838.33	4,806.21	32.12	150.637		
3,600.00	3,571.73	3,535.82	3,516.48	16.68	16.79	-6.82	-255.68	5,245.95	4,825.75	4,792.77	32.98	146.324		
3,700.00	3,670.83	3,700.00	3,650.02	17.14	17.57	-7.01	-241.47	5,246.68	4,812.55	4,778.36	34.19	140.761		
3,800.00	3,769.93	3,717.91	3,697.57	17.59	17.66	-7.08	-236.69	5,246.98	4,799.65	4,764.91	34.74	138.171		
3,900.00	3,869.03	3,762.00	3,741.38	18.05	17.87	-7.15	-231.79	5,247.91	4,788.03	4,752.63	35.41	135.226		
4,000.00	3,968.13	3,847.74	3,826.47	18.51	18.28	-7.29	-221.56	5,250.36	4,777.20	4,740.93	36.27	131.696		
4,100.00	4,067.23	3,990.85	3,968.41	18.98	18.99	-7.54	-203.64	5,253.71	4,765.91	4,728.49	37.41	127.385		
4,200.00	4,166.33	4,129.36	4,106.01	19.44	19.66	-7.76	-187.91	5,255.77	4,753.85	4,715.34	38.52	123.422		
4,300.00	4,265.43	4,240.27	4,216.36	19.90	20.18	-7.92	-176.88	5,256.58	4,741.09	4,701.61	39.48	120.086		
4,400.00	4,364.53	4,297.00	4,272.80	20.36	20.45	-8.00	-171.11	5,257.11	4,728.69	4,688.48	40.21	117.589		
4,500.00	4,463.63	4,366.76	4,342.15	20.82	20.79	-8.11	-163.71	5,258.30	4,717.03	4,676.02	41.01	115.034		
4,600.00	4,562.73	4,527.54	4,502.14	21.28	21.54	-8.33	-148.14	5,261.04	4,705.42	4,663.23	42.18	111.545		
4,700.00	4,661.83	4,684.75	4,658.86	21.75	22.26	-8.52	-135.69	5,261.32	4,692.21	4,648.89	43.32	108.317		
4,800.00	4,760.93	4,762.08	4,735.97	22.21	22.61	-8.61	-129.96	5,261.13	4,678.69	4,634.55	44.13	106.017		
4,900.00	4,860.04	4,813.98	4,787.69	22.67	22.85	-8.68	-125.68	5,261.44	4,666.00	4,621.16	44.84	104.055		
5,000.00	4,959.14	4,918.09	4,891.34	23.13	23.34	-8.83	-115.91	5,262.73	4,653.96	4,608.19	45.78	101.670		

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 13N-6B-M
<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 13N-6B-M	<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		
5,100.00	5,058.24	5,226.56	5,199.13	23.60	24.68	-9.12	-98.66	5,260.68	4,641.33	4,593.92	47.41	97.890		
5,200.00	5,157.34	5,305.18	5,277.70	24.06	24.98	-9.15	-97.99	5,258.08	4,624.84	4,576.66	48.18	95.985		
5,300.00	5,256.44	5,391.39	5,363.88	24.52	25.32	-9.18	-97.75	5,255.57	4,608.74	4,559.77	48.97	94.111		
5,400.00	5,355.54	5,481.38	5,453.84	24.99	25.66	-9.21	-97.51	5,252.99	4,592.71	4,542.94	49.77	92.279		
5,500.00	5,454.64	5,547.00	5,519.44	25.45	25.91	-9.22	-97.67	5,251.53	4,577.27	4,526.78	50.50	90.647		
5,600.00	5,553.74	5,628.93	5,601.36	25.92	26.22	-9.24	-98.08	5,250.15	4,562.38	4,511.11	51.27	88.995		
5,700.00	5,652.84	5,726.45	5,698.86	26.38	26.59	-9.26	-98.48	5,248.67	4,547.67	4,495.58	52.08	87.314		
5,800.00	5,751.94	5,856.82	5,829.21	26.84	27.08	-9.29	-99.07	5,246.19	4,532.56	4,479.56	53.00	85.520		
5,900.00	5,851.04	5,956.23	5,928.58	27.31	27.46	-9.30	-100.20	5,243.91	4,517.08	4,463.26	53.82	83.928		
6,000.00	5,950.14	6,017.04	5,989.38	27.77	27.69	-9.31	-101.17	5,242.69	4,501.96	4,447.43	54.53	82.553		
6,100.00	6,049.24	6,059.43	6,031.76	28.24	27.85	-9.31	-101.39	5,242.37	4,488.01	4,432.81	55.19	81.315		
6,200.00	6,148.34	6,082.00	6,054.33	28.70	27.94	-9.32	-101.31	5,242.42	4,475.41	4,419.63	55.78	80.235		
6,304.69	6,252.09	6,148.50	6,120.82	29.19	28.20	-9.34	-101.20	5,243.41	4,463.32	4,406.79	56.53	78.955		
6,350.00	6,297.17	6,171.00	6,143.31	29.39	28.29	-21.43	-101.31	5,244.03	4,460.16	4,403.34	56.83	78.485		
6,371.01	6,318.15	6,196.57	6,168.88	29.48	28.39	-41.57	-101.47	5,244.78	4,459.84	4,402.83	57.01	78.228 CC, ES		
6,400.00	6,347.13	6,244.87	6,217.15	29.59	28.57	-122.89	-101.66	5,246.05	4,460.44	4,403.13	57.31	77.835		
6,450.00	6,397.02	6,260.00	6,232.28	29.78	28.63	-163.06	-101.69	5,246.40	4,464.58	4,407.02	57.56	77.559		
6,500.00	6,446.53	6,260.00	6,232.28	29.96	28.63	-169.64	-101.69	5,246.40	4,473.15	4,415.40	57.75	77.459 SF		
6,550.00	6,495.35	6,260.00	6,232.28	30.14	28.63	-172.18	-101.69	5,246.40	4,486.08	4,428.16	57.91	77.462		
6,600.00	6,543.19	6,260.00	6,232.28	30.33	28.63	-173.48	-101.69	5,246.40	4,503.25	4,445.19	58.06	77.566		
6,650.00	6,589.76	6,260.00	6,232.28	30.52	28.63	-174.24	-101.69	5,246.40	4,524.52	4,466.34	58.18	77.768		
6,700.00	6,634.75	6,260.00	6,232.28	30.71	28.63	-174.70	-101.69	5,246.40	4,549.69	4,491.41	58.28	78.064		
6,750.00	6,677.90	6,260.00	6,232.28	30.91	28.63	-174.98	-101.69	5,246.40	4,578.55	4,520.18	58.36	78.449		
6,800.00	6,718.94	6,260.00	6,232.28	31.13	28.63	-175.12	-101.69	5,246.40	4,610.85	4,552.42	58.43	78.916		
6,850.00	6,757.62	6,299.52	6,271.71	31.36	28.78	-175.19	-101.87	5,248.82	4,644.63	4,585.98	58.65	79.196		
6,900.00	6,793.70	6,302.72	6,274.90	31.61	28.80	-175.12	-101.89	5,249.15	4,682.70	4,624.00	58.70	79.777		
6,950.00	6,826.95	6,305.57	6,277.73	31.88	28.81	-174.94	-101.92	5,249.46	4,723.37	4,664.63	58.73	80.421		
7,000.00	6,857.18	6,308.05	6,280.20	32.19	28.82	-174.61	-101.94	5,249.74	4,766.32	4,707.56	58.76	81.120		
7,050.00	6,884.18	6,349.00	6,320.63	32.52	28.97	-174.16	-102.43	5,256.13	4,812.87	4,753.92	58.95	81.646		
7,100.00	6,907.81	6,349.00	6,320.63	32.90	28.97	-173.34	-102.43	5,256.13	4,859.30	4,800.35	58.95	82.433		
7,150.00	6,927.91	6,349.00	6,320.63	33.32	28.97	-171.93	-102.43	5,256.13	4,907.08	4,848.14	58.94	83.249		
7,200.00	6,944.36	6,349.00	6,320.63	33.77	28.97	-169.18	-102.43	5,256.13	4,955.89	4,896.95	58.94	84.084		
7,250.00	6,957.05	6,349.00	6,320.63	34.27	28.97	-162.00	-102.43	5,256.13	5,005.40	4,946.46	58.94	84.929		
7,300.00	6,965.92	6,349.00	6,320.63	34.80	28.97	-118.78	-102.43	5,256.13	5,055.29	4,996.35	58.94	85.775		
7,350.00	6,970.89	6,349.00	6,320.63	35.37	28.97	-22.51	-102.43	5,256.13	5,105.24	5,046.30	58.94	86.614		
7,396.89	6,972.00	6,349.00	6,320.63	35.93	28.97	-10.02	-102.43	5,256.13	5,151.88	5,092.93	58.95	87.387		
7,400.00	6,971.96	6,349.00	6,320.63	35.97	28.97	-10.02	-102.43	5,256.13	5,154.96	5,096.01	58.95	87.439		
7,500.00	6,970.65	6,349.00	6,320.63	37.28	28.97	-10.02	-102.43	5,256.13	5,254.04	5,195.04	58.99	89.063		
7,600.00	6,969.33	6,349.00	6,320.63	38.76	28.97	-10.02	-102.43	5,256.13	5,353.14	5,294.11	59.03	90.685		
7,700.00	6,968.02	6,349.00	6,320.63	40.39	28.97	-10.02	-102.43	5,256.13	5,452.29	5,393.22	59.07	92.305		
7,800.00	6,966.70	6,349.00	6,320.63	42.15	28.97	-10.02	-102.43	5,256.13	5,551.46	5,492.35	59.11	93.924		
7,900.00	6,965.39	6,308.54	6,280.69	44.02	28.82	-9.43	-101.94	5,249.80	5,648.92	5,589.95	58.97	95.787		
8,000.00	6,964.07	6,307.48	6,279.63	45.99	28.81	-9.41	-101.93	5,249.67	5,748.06	5,689.05	59.01	97.408		
8,100.00	6,962.76	6,306.45	6,278.61	48.05	28.81	-9.40	-101.92	5,249.56	5,847.22	5,788.18	59.05	99.027		
8,200.00	6,961.45	6,305.45	6,277.62	50.19	28.81	-9.39	-101.91	5,249.44	5,946.42	5,887.33	59.08	100.644		
8,300.00	6,960.13	6,304.49	6,276.65	52.39	28.80	-9.37	-101.91	5,249.34	6,045.63	5,986.51	59.12	102.258		
8,400.00	6,958.82	6,303.55	6,275.72	54.65	28.80	-9.36	-101.90	5,249.24	6,144.87	6,085.71	59.16	103.870		
8,500.00	6,957.50	6,302.63	6,274.81	56.97	28.80	-9.35	-101.89	5,249.14	6,244.14	6,184.94	59.20	105.479		
8,600.00	6,956.19	6,301.75	6,273.93	59.33	28.79	-9.34	-101.88	5,249.05	6,343.42	6,284.18	59.24	107.085		
8,700.00	6,954.87	6,300.89	6,273.08	61.73	28.79	-9.33	-101.88	5,248.96	6,442.73	6,383.45	59.28	108.689		
8,800.00	6,953.56	6,260.00	6,232.28	64.16	28.63	-8.83	-101.69	5,246.40	6,543.74	6,484.57	59.17	110.597		
8,900.00	6,952.24	6,260.00	6,232.28	66.63	28.63	-8.83	-101.69	5,246.40	6,643.01	6,583.80	59.21	112.188		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,260.00	6,232.28	69.13	28.63	-8.83	-101.69	5,246.40	6,742.31	6,683.05	59.26	113.776		
9,100.00	6,949.61	6,260.00	6,232.28	71.65	28.63	-8.83	-101.69	5,246.40	6,841.62	6,782.32	59.31	115.362		
9,200.00	6,948.30	6,260.00	6,232.28	74.20	28.63	-8.83	-101.69	5,246.40	6,940.96	6,881.61	59.35	116.945		
9,300.00	6,946.98	6,260.00	6,232.28	76.77	28.63	-8.83	-101.69	5,246.40	7,040.31	6,980.91	59.40	118.525		
9,400.00	6,945.67	6,260.00	6,232.28	79.35	28.63	-8.83	-101.69	5,246.40	7,139.68	7,080.24	59.45	120.102		
9,500.00	6,944.35	6,260.00	6,232.28	81.95	28.63	-8.83	-101.69	5,246.40	7,239.07	7,179.58	59.50	121.675		
9,600.00	6,943.04	6,260.00	6,232.28	84.57	28.63	-8.83	-101.69	5,246.40	7,338.48	7,278.94	59.54	123.246		
9,700.00	6,941.73	6,260.00	6,232.28	87.21	28.63	-8.83	-101.69	5,246.40	7,437.90	7,378.31	59.59	124.813		
9,800.00	6,940.41	6,260.00	6,232.28	89.85	28.63	-8.83	-101.69	5,246.40	7,537.34	7,477.70	59.64	126.376		
9,900.00	6,939.10	6,260.00	6,232.28	92.51	28.63	-8.83	-101.69	5,246.40	7,636.79	7,577.10	59.69	127.936		
10,000.00	6,937.78	6,260.00	6,232.28	95.17	28.63	-8.83	-101.69	5,246.40	7,736.26	7,676.52	59.74	129.493		
10,100.00	6,936.47	6,260.00	6,232.28	97.85	28.63	-8.83	-101.69	5,246.40	7,835.74	7,775.94	59.79	131.046		
10,200.00	6,935.15	6,260.00	6,232.28	100.54	28.63	-8.83	-101.69	5,246.40	7,935.23	7,875.38	59.85	132.595		
10,300.00	6,933.84	6,260.00	6,232.28	103.23	28.63	-8.83	-101.69	5,246.40	8,034.74	7,974.84	59.90	134.141		
10,400.00	6,932.52	6,260.00	6,232.28	105.93	28.63	-8.83	-101.69	5,246.40	8,134.25	8,074.30	59.95	135.683		
10,500.00	6,931.21	6,260.00	6,232.28	108.64	28.63	-8.83	-101.69	5,246.40	8,233.78	8,173.78	60.00	137.220		
10,600.00	6,929.89	6,260.00	6,232.28	111.36	28.63	-8.83	-101.69	5,246.40	8,333.32	8,273.27	60.06	138.754		
10,700.00	6,928.58	6,260.00	6,232.28	114.08	28.63	-8.83	-101.69	5,246.40	8,432.87	8,372.76	60.11	140.284		
10,800.00	6,927.26	6,260.00	6,232.28	116.81	28.63	-8.83	-101.69	5,246.40	8,532.44	8,472.27	60.17	141.810		
10,900.00	6,925.95	6,260.00	6,232.28	119.54	28.63	-8.83	-101.69	5,246.40	8,632.01	8,571.78	60.22	143.331		
11,000.00	6,924.64	6,260.00	6,232.28	122.28	28.63	-8.83	-101.69	5,246.40	8,731.59	8,671.31	60.28	144.849		
11,100.00	6,923.32	6,260.00	6,232.28	125.02	28.63	-8.83	-101.69	5,246.40	8,831.18	8,770.84	60.34	146.362		
11,200.00	6,922.01	6,260.00	6,232.28	127.77	28.63	-8.83	-101.69	5,246.40	8,930.78	8,870.39	60.40	147.870		
11,300.00	6,920.69	6,260.00	6,232.28	130.52	28.63	-8.83	-101.69	5,246.40	9,030.39	8,969.94	60.45	149.374		
11,400.00	6,919.38	6,260.00	6,232.28	133.28	28.63	-8.83	-101.69	5,246.40	9,130.01	9,069.50	60.51	150.874		
11,500.00	6,918.06	6,260.00	6,232.28	136.04	28.63	-8.83	-101.69	5,246.40	9,229.64	9,169.06	60.57	152.370		
11,600.00	6,916.75	6,260.00	6,232.28	138.80	28.63	-8.83	-101.69	5,246.40	9,329.27	9,268.63	60.63	153.860		
11,700.00	6,915.43	6,260.00	6,232.28	141.56	28.63	-8.83	-101.69	5,246.40	9,428.91	9,368.21	60.70	155.346		
11,800.00	6,914.12	6,260.00	6,232.28	144.33	28.63	-8.83	-101.69	5,246.40	9,528.56	9,467.80	60.76	156.828		
11,900.00	6,912.80	6,260.00	6,232.28	147.10	28.63	-8.83	-101.69	5,246.40	9,628.22	9,567.40	60.82	158.305		
12,000.00	6,911.49	6,260.00	6,232.28	149.88	28.63	-8.83	-101.69	5,246.40	9,727.88	9,667.00	60.88	159.777		
12,100.00	6,910.17	6,260.00	6,232.28	152.65	28.63	-8.83	-101.69	5,246.40	9,827.55	9,766.60	60.95	161.244		
12,200.00	6,908.86	6,260.00	6,232.28	155.43	28.63	-8.83	-101.69	5,246.40	9,927.23	9,866.21	61.01	162.706		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-72.25	1,879.40	-5,872.42	6,165.83					
100.00	100.00	133.00	133.00	3.28	4.38	-72.25	1,879.40	-5,872.42	6,165.83	6,158.17	7.66	804.809		
200.00	200.00	233.00	233.00	3.34	7.18	-72.25	1,879.40	-5,872.42	6,165.83	6,155.31	10.52	586.196		
300.00	299.98	332.98	332.98	3.44	10.41	-171.25	1,879.40	-5,872.42	6,167.56	6,153.71	13.85	445.263		
400.00	399.84	432.84	432.84	3.60	13.76	-171.24	1,879.40	-5,872.42	6,172.73	6,155.37	17.36	355.567		
500.00	499.45	532.45	532.45	3.80	17.16	-171.23	1,879.40	-5,872.42	6,181.34	6,160.38	20.96	294.892		
584.50	583.35	616.35	616.35	4.01	20.04	-171.21	1,879.40	-5,872.42	6,191.30	6,167.25	24.05	257.445		
600.00	598.71	631.71	631.71	4.05	20.57	-171.21	1,879.40	-5,872.42	6,193.35	6,168.73	24.62	251.548		
700.00	697.81	730.81	730.81	4.33	23.99	-171.23	1,879.40	-5,872.42	6,206.58	6,178.26	28.31	219.216		
800.00	796.91	829.91	829.91	4.64	27.42	-171.25	1,879.40	-5,872.42	6,219.80	6,187.76	32.04	194.115		
900.00	896.01	929.01	929.01	4.98	30.86	-171.27	1,879.40	-5,872.42	6,233.03	6,197.23	35.80	174.105		
1,000.00	995.11	1,028.11	1,028.11	5.34	34.30	-171.29	1,879.40	-5,872.42	6,246.26	6,206.68	39.58	157.805		
1,100.00	1,094.21	1,127.21	1,127.21	5.71	37.75	-171.31	1,879.40	-5,872.42	6,259.49	6,216.11	43.38	144.286		
1,200.00	1,193.31	1,226.31	1,226.31	6.10	41.20	-171.33	1,879.40	-5,872.42	6,272.72	6,225.53	47.20	132.902		
1,300.00	1,292.41	1,325.41	1,325.41	6.49	44.65	-171.35	1,879.40	-5,872.42	6,285.96	6,234.93	51.03	123.191		
1,400.00	1,391.51	1,424.51	1,424.51	6.90	48.10	-171.36	1,879.40	-5,872.42	6,299.19	6,244.32	54.86	114.815		
1,500.00	1,490.61	1,523.61	1,523.61	7.31	51.55	-171.38	1,879.40	-5,872.42	6,312.42	6,253.71	58.71	107.518		
1,600.00	1,589.71	1,622.71	1,622.71	7.73	55.00	-171.40	1,879.40	-5,872.42	6,325.65	6,263.09	62.56	101.107		
1,700.00	1,688.81	1,721.81	1,721.81	8.16	58.46	-171.42	1,879.40	-5,872.42	6,338.89	6,272.46	66.42	95.431		
1,800.00	1,787.92	1,820.92	1,820.92	8.59	61.91	-171.44	1,879.40	-5,872.42	6,352.12	6,281.83	70.29	90.372		
1,900.00	1,887.02	1,920.02	1,920.02	9.02	65.36	-171.45	1,879.40	-5,872.42	6,365.36	6,291.20	74.16	85.836		
2,000.00	1,986.12	2,019.12	2,019.12	9.46	68.82	-171.47	1,879.40	-5,872.42	6,378.59	6,300.56	78.03	81.745		
2,100.00	2,085.22	2,118.22	2,118.22	9.90	72.28	-171.49	1,879.40	-5,872.42	6,391.83	6,309.92	81.91	78.038		
2,200.00	2,184.32	2,217.32	2,217.32	10.34	75.73	-171.51	1,879.40	-5,872.42	6,405.06	6,319.28	85.79	74.664		
2,300.00	2,283.42	2,316.42	2,316.42	10.78	79.19	-171.52	1,879.40	-5,872.42	6,418.30	6,328.64	89.67	71.579		
2,400.00	2,382.52	2,415.52	2,415.52	11.23	82.65	-171.54	1,879.40	-5,872.42	6,431.54	6,337.99	93.55	68.749		
2,500.00	2,481.62	2,514.62	2,514.62	11.68	86.10	-171.56	1,879.40	-5,872.42	6,444.78	6,347.34	97.44	66.143		
2,600.00	2,580.72	2,613.72	2,613.72	12.13	89.56	-171.58	1,879.40	-5,872.42	6,458.02	6,356.69	101.32	63.736		
2,700.00	2,679.82	2,712.82	2,712.82	12.58	93.02	-171.59	1,879.40	-5,872.42	6,471.26	6,366.05	105.21	61.506		
2,800.00	2,778.92	2,811.92	2,811.92	13.03	96.47	-171.61	1,879.40	-5,872.42	6,484.50	6,375.40	109.10	59.434		
2,900.00	2,878.02	2,911.02	2,911.02	13.48	99.93	-171.63	1,879.40	-5,872.42	6,497.74	6,384.74	113.00	57.505		
3,000.00	2,977.12	3,010.12	3,010.12	13.94	103.39	-171.65	1,879.40	-5,872.42	6,510.98	6,394.09	116.89	55.703		
3,100.00	3,076.22	3,109.22	3,109.22	14.39	106.85	-171.66	1,879.40	-5,872.42	6,524.22	6,403.44	120.78	54.016		
3,200.00	3,175.32	3,208.32	3,208.32	14.85	110.31	-171.68	1,879.40	-5,872.42	6,537.47	6,412.79	124.68	52.435		
3,300.00	3,274.43	3,307.43	3,307.43	15.30	113.76	-171.70	1,879.40	-5,872.42	6,550.71	6,422.14	128.57	50.949		
3,400.00	3,373.53	3,406.53	3,406.53	15.76	117.22	-171.71	1,879.40	-5,872.42	6,563.95	6,431.48	132.47	49.551		
3,500.00	3,472.63	3,505.63	3,505.63	16.22	120.68	-171.73	1,879.40	-5,872.42	6,577.20	6,440.83	136.37	48.232		
3,600.00	3,571.73	3,604.73	3,604.73	16.68	124.14	-171.75	1,879.40	-5,872.42	6,590.44	6,450.18	140.26	46.986		
3,700.00	3,670.83	3,703.83	3,703.83	17.14	127.60	-171.76	1,879.40	-5,872.42	6,603.69	6,459.53	144.16	45.807		
3,800.00	3,769.93	3,802.93	3,802.93	17.59	131.06	-171.78	1,879.40	-5,872.42	6,616.93	6,468.87	148.06	44.690		
3,900.00	3,869.03	3,902.03	3,902.03	18.05	134.51	-171.80	1,879.40	-5,872.42	6,630.18	6,478.22	151.96	43.631		
4,000.00	3,968.13	4,001.13	4,001.13	18.51	137.97	-171.81	1,879.40	-5,872.42	6,643.43	6,487.57	155.86	42.624		
4,100.00	4,067.23	4,100.23	4,100.23	18.98	141.43	-171.83	1,879.40	-5,872.42	6,656.68	6,496.91	159.76	41.666		
4,200.00	4,166.33	4,200.67	4,199.33	19.44	144.94	-171.85	1,879.40	-5,872.42	6,669.92	6,506.21	163.71	40.742		
4,300.00	4,265.43	4,301.57	4,298.43	19.90	148.46	-171.86	1,879.40	-5,872.42	6,683.17	6,515.50	167.67	39.858		
4,400.00	4,364.53	4,402.47	4,397.53	20.36	151.98	-171.88	1,879.40	-5,872.42	6,696.42	6,524.78	171.64	39.015		
4,500.00	4,463.63	4,503.37	4,496.63	20.82	155.50	-171.90	1,879.40	-5,872.42	6,709.67	6,534.07	175.60	38.209		
4,600.00	4,562.73	4,604.27	4,595.73	21.28	159.02	-171.91	1,879.40	-5,872.42	6,722.92	6,543.35	179.57	37.439		
4,700.00	4,661.83	4,705.17	4,694.83	21.75	162.55	-171.93	1,879.40	-5,872.42	6,736.17	6,552.64	183.53	36.703		
4,800.00	4,760.93	4,806.07	4,793.93	22.21	166.07	-171.94	1,879.40	-5,872.42	6,749.42	6,561.92	187.50	35.997		
4,900.00	4,860.04	4,906.96	4,893.04	22.67	169.59	-171.96	1,879.40	-5,872.42	6,762.68	6,571.21	191.46	35.321		
5,000.00	4,959.14	5,007.86	4,992.14	23.13	173.11	-171.97	1,879.40	-5,872.42	6,775.93	6,580.50	195.43	34.672		

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 13N-6B-M
<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 13N-6B-M	<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 - LA POWDRE SOUTH #4 - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma												Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
5,100.00	5,058.24	5,108.76	5,091.24	23.60	176.63	-171.99	1,879.40	-5,872.42	6,789.18	6,589.78	199.40	34.048			
5,200.00	5,157.34	5,209.66	5,190.34	24.06	180.15	-172.01	1,879.40	-5,872.42	6,802.43	6,599.07	203.36	33.449			
5,300.00	5,256.44	5,289.44	5,289.44	24.52	182.94	-172.02	1,879.40	-5,872.42	6,815.69	6,609.09	206.59	32.991			
5,400.00	5,355.54	5,388.54	5,388.54	24.99	186.40	-172.04	1,879.40	-5,872.42	6,828.94	6,618.44	210.50	32.442			
5,500.00	5,454.64	5,487.64	5,487.64	25.45	189.86	-172.05	1,879.40	-5,872.42	6,842.20	6,627.79	214.40	31.913			
5,600.00	5,553.74	5,586.74	5,586.74	25.92	193.32	-172.07	1,879.40	-5,872.42	6,855.45	6,637.14	218.31	31.403			
5,700.00	5,652.84	5,685.84	5,685.84	26.38	196.77	-172.08	1,879.40	-5,872.42	6,868.71	6,646.50	222.21	30.911			
5,800.00	5,751.94	5,784.94	5,784.94	26.84	200.23	-172.10	1,879.40	-5,872.42	6,881.96	6,655.85	226.12	30.435			
5,900.00	5,851.04	5,884.04	5,884.04	27.31	203.69	-172.11	1,879.40	-5,872.42	6,895.22	6,665.20	230.02	29.976			
6,000.00	5,950.14	5,983.14	5,983.14	27.77	207.15	-172.13	1,879.40	-5,872.42	6,908.48	6,674.55	233.93	29.533			
6,100.00	6,049.24	6,082.24	6,082.24	28.24	210.61	-172.15	1,879.40	-5,872.42	6,921.74	6,683.90	237.83	29.103			
6,200.00	6,148.34	6,181.34	6,181.34	28.70	214.07	-172.16	1,879.40	-5,872.42	6,934.99	6,693.26	241.74	28.688			
6,304.69	6,252.09	6,285.09	6,285.09	29.19	217.69	-172.18	1,879.40	-5,872.42	6,948.87	6,703.05	245.83	28.267			
6,350.00	6,297.17	6,330.17	6,330.17	29.39	219.27	175.62	1,879.40	-5,872.42	6,953.37	6,705.77	247.60	28.083			
6,400.00	6,347.13	6,380.13	6,380.13	29.59	221.01	74.14	1,879.40	-5,872.42	6,954.79	6,705.24	249.55	27.870			
6,450.00	6,397.02	6,430.02	6,430.02	29.78	222.75	34.05	1,879.40	-5,872.42	6,952.50	6,701.03	251.48	27.647			
6,500.00	6,446.53	6,479.53	6,479.53	29.96	224.48	27.65	1,879.40	-5,872.42	6,946.52	6,693.14	253.38	27.416			
6,550.00	6,495.35	6,528.35	6,528.35	30.14	226.18	25.40	1,879.40	-5,872.42	6,936.87	6,681.63	255.24	27.178			
6,600.00	6,543.19	6,576.19	6,576.19	30.33	227.85	24.51	1,879.40	-5,872.42	6,923.62	6,666.57	257.06	26.934			
6,650.00	6,589.76	6,622.76	6,622.76	30.52	229.48	24.30	1,879.40	-5,872.42	6,906.87	6,648.05	258.82	26.686			
6,700.00	6,634.75	6,667.75	6,667.75	30.71	231.05	24.52	1,879.40	-5,872.42	6,886.70	6,626.19	260.51	26.435			
6,750.00	6,677.90	6,710.90	6,710.90	30.91	232.56	25.10	1,879.40	-5,872.42	6,863.26	6,601.14	262.13	26.183			
6,800.00	6,718.94	6,751.94	6,751.94	31.13	233.99	26.00	1,879.40	-5,872.42	6,836.69	6,573.04	263.66	25.930			
6,850.00	6,757.62	6,809.38	6,790.62	31.36	235.99	27.24	1,879.40	-5,872.42	6,807.16	6,541.41	265.75	25.615			
6,900.00	6,793.70	6,826.70	6,826.70	31.61	236.60	28.86	1,879.40	-5,872.42	6,774.86	6,508.43	266.43	25.428			
6,950.00	6,826.95	6,859.95	6,859.95	31.88	237.76	30.92	1,879.40	-5,872.42	6,739.99	6,472.33	267.66	25.181			
7,000.00	6,857.18	6,909.82	6,890.18	32.19	239.50	33.50	1,879.40	-5,872.42	6,702.77	6,433.30	269.47	24.874			
7,050.00	6,884.18	6,917.18	6,917.18	32.52	239.76	36.75	1,879.40	-5,872.42	6,663.43	6,393.65	269.78	24.699			
7,100.00	6,907.81	6,940.81	6,940.81	32.90	240.58	40.83	1,879.40	-5,872.42	6,622.23	6,351.56	270.67	24.466			
7,150.00	6,927.91	6,960.91	6,960.91	33.32	241.28	45.95	1,879.40	-5,872.42	6,579.42	6,307.99	271.43	24.240			
7,200.00	6,944.36	6,977.36	6,977.36	33.77	241.86	52.37	1,879.40	-5,872.42	6,535.27	6,263.20	272.07	24.020			
7,250.00	6,957.05	7,009.95	6,990.05	34.27	242.99	60.34	1,879.40	-5,872.42	6,490.05	6,216.78	273.28	23.749			
7,300.00	6,965.92	7,001.08	6,998.92	34.80	242.69	69.95	1,879.40	-5,872.42	6,444.06	6,171.01	273.05	23.600			
7,350.00	6,970.89	7,003.89	7,003.89	35.37	242.78	80.97	1,879.40	-5,872.42	6,397.56	6,124.33	273.23	23.414			
7,396.89	6,972.00	7,005.00	7,005.00	35.93	242.82	91.98	1,879.40	-5,872.42	6,353.76	6,080.39	273.37	23.243			
7,400.00	6,971.96	7,004.96	7,004.96	35.97	242.82	91.97	1,879.40	-5,872.42	6,350.86	6,077.49	273.37	23.232			
7,500.00	6,970.65	7,003.65	7,003.65	37.28	242.77	91.94	1,879.40	-5,872.42	6,257.53	5,983.98	273.56	22.875			
7,600.00	6,969.33	7,002.33	7,002.33	38.76	242.73	91.91	1,879.40	-5,872.42	6,164.42	5,890.63	273.79	22.515			
7,700.00	6,968.02	7,001.02	7,001.02	40.39	242.68	91.87	1,879.40	-5,872.42	6,071.52	5,797.44	274.08	22.152			
7,800.00	6,966.70	7,000.30	6,999.70	42.15	242.66	91.84	1,879.40	-5,872.42	5,978.86	5,704.42	274.44	21.786			
7,900.00	6,965.39	7,001.61	6,998.39	44.02	242.70	91.81	1,879.40	-5,872.42	5,886.43	5,611.50	274.92	21.411			
8,000.00	6,964.07	7,002.93	6,997.07	45.99	242.75	91.77	1,879.40	-5,872.42	5,794.25	5,518.78	275.47	21.034			
8,100.00	6,962.76	7,004.24	6,995.76	48.05	242.80	91.74	1,879.40	-5,872.42	5,702.34	5,426.26	276.08	20.655			
8,200.00	6,961.45	7,005.56	6,994.45	50.19	242.84	91.71	1,879.40	-5,872.42	5,610.70	5,333.95	276.75	20.274			
8,300.00	6,960.13	7,006.87	6,993.13	52.39	242.89	91.67	1,879.40	-5,872.42	5,519.35	5,241.87	277.48	19.891			
8,400.00	6,958.82	7,008.18	6,991.82	54.65	242.93	91.64	1,879.40	-5,872.42	5,428.31	5,150.02	278.29	19.506			
8,500.00	6,957.50	7,009.50	6,990.50	56.97	242.98	91.61	1,879.40	-5,872.42	5,337.59	5,058.42	279.17	19.120			
8,600.00	6,956.19	6,989.19	6,989.19	59.33	242.27	91.58	1,879.40	-5,872.42	5,247.20	4,967.84	279.36	18.783			
8,700.00	6,954.87	6,987.87	6,987.87	61.73	242.22	91.54	1,879.40	-5,872.42	5,157.17	4,876.87	280.30	18.399			
8,800.00	6,953.56	6,986.56	6,986.56	64.16	242.18	91.51	1,879.40	-5,872.42	5,067.51	4,786.20	281.32	18.014			
8,900.00	6,952.24	6,985.24	6,985.24	66.63	242.13	91.48	1,879.40	-5,872.42	4,978.25	4,695.84	282.41	17.627			
9,000.00	6,950.93	6,983.93	6,983.93	69.13	242.09	91.44	1,879.40	-5,872.42	4,889.40	4,605.81	283.60	17.241			

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	6,982.61	6,982.61	71.65	242.04	91.41	1,879.40	-5,872.42	4,800.99	4,516.13	284.86	16.854		
9,200.00	6,948.30	6,981.30	6,981.30	74.20	241.99	91.38	1,879.40	-5,872.42	4,713.05	4,426.83	286.22	16.467		
9,300.00	6,946.98	6,979.98	6,979.98	76.77	241.95	91.34	1,879.40	-5,872.42	4,625.59	4,337.92	287.66	16.080		
9,400.00	6,945.67	6,978.67	6,978.67	79.35	241.90	91.31	1,879.40	-5,872.42	4,538.65	4,249.44	289.21	15.694		
9,500.00	6,944.35	6,977.35	6,977.35	81.95	241.86	91.28	1,879.40	-5,872.42	4,452.26	4,161.42	290.84	15.308		
9,600.00	6,943.04	6,976.04	6,976.04	84.57	241.81	91.24	1,879.40	-5,872.42	4,366.45	4,073.87	292.58	14.924		
9,700.00	6,941.73	6,974.73	6,974.73	87.21	241.76	91.21	1,879.40	-5,872.42	4,281.25	3,986.83	294.42	14.541		
9,800.00	6,940.41	6,973.41	6,973.41	89.85	241.72	91.18	1,879.40	-5,872.42	4,196.71	3,900.35	296.36	14.161		
9,900.00	6,939.10	6,972.10	6,972.10	92.51	241.67	91.14	1,879.40	-5,872.42	4,112.86	3,814.45	298.41	13.782		
10,000.00	6,937.78	6,970.78	6,970.78	95.17	241.63	91.11	1,879.40	-5,872.42	4,029.74	3,729.17	300.57	13.407		
10,100.00	6,936.47	6,969.47	6,969.47	97.85	241.58	91.08	1,879.40	-5,872.42	3,947.41	3,644.56	302.85	13.034		
10,200.00	6,935.15	6,968.15	6,968.15	100.54	241.54	91.04	1,879.40	-5,872.42	3,865.92	3,560.67	305.25	12.665		
10,300.00	6,933.84	6,966.84	6,966.84	103.23	241.49	91.01	1,879.40	-5,872.42	3,785.31	3,477.54	307.76	12.299		
10,400.00	6,932.52	6,965.52	6,965.52	105.93	241.44	90.98	1,879.40	-5,872.42	3,705.64	3,395.24	310.40	11.938		
10,500.00	6,931.21	6,964.21	6,964.21	108.64	241.40	90.94	1,879.40	-5,872.42	3,626.98	3,313.81	313.17	11.581		
10,600.00	6,929.89	6,962.89	6,962.89	111.36	241.35	90.91	1,879.40	-5,872.42	3,549.40	3,233.33	316.07	11.230		
10,700.00	6,928.58	6,961.58	6,961.58	114.08	241.31	90.88	1,879.40	-5,872.42	3,472.96	3,153.86	319.10	10.884		
10,800.00	6,927.26	6,960.26	6,960.26	116.81	241.26	90.84	1,879.40	-5,872.42	3,397.74	3,075.47	322.27	10.543		
10,900.00	6,925.95	6,958.95	6,958.95	119.54	241.21	90.81	1,879.40	-5,872.42	3,323.83	2,998.26	325.58	10.209		
11,000.00	6,924.64	6,957.64	6,957.64	122.28	241.17	90.78	1,879.40	-5,872.42	3,251.32	2,922.30	329.02	9.882		
11,100.00	6,923.32	6,956.32	6,956.32	125.02	241.12	90.74	1,879.40	-5,872.42	3,180.30	2,847.69	332.61	9.562		
11,200.00	6,922.01	6,955.01	6,955.01	127.77	241.08	90.71	1,879.40	-5,872.42	3,110.87	2,774.53	336.34	9.249		
11,300.00	6,920.69	6,953.69	6,953.69	130.52	241.03	90.68	1,879.40	-5,872.42	3,043.14	2,702.93	340.20	8.945		
11,400.00	6,919.38	6,952.38	6,952.38	133.28	240.98	90.64	1,879.40	-5,872.42	2,977.23	2,633.02	344.21	8.650		
11,500.00	6,918.06	6,951.06	6,951.06	136.04	240.94	90.61	1,879.40	-5,872.42	2,913.26	2,564.91	348.34	8.363		
11,600.00	6,916.75	6,949.75	6,949.75	138.80	240.89	90.58	1,879.40	-5,872.42	2,851.36	2,498.75	352.61	8.087		
11,700.00	6,915.43	6,948.43	6,948.43	141.56	240.85	90.54	1,879.40	-5,872.42	2,791.67	2,434.68	356.99	7.820		
11,800.00	6,914.12	6,947.12	6,947.12	144.33	240.80	90.51	1,879.40	-5,872.42	2,734.34	2,372.86	361.48	7.564		
11,900.00	6,912.80	6,945.80	6,945.80	147.10	240.76	90.48	1,879.40	-5,872.42	2,679.51	2,313.44	366.07	7.320		
12,000.00	6,911.49	6,944.49	6,944.49	149.88	240.71	90.44	1,879.40	-5,872.42	2,627.35	2,256.61	370.74	7.087		
12,100.00	6,910.17	6,943.17	6,943.17	152.65	240.66	90.41	1,879.40	-5,872.42	2,578.01	2,202.54	375.47	6.866		
12,200.00	6,908.86	6,941.86	6,941.86	155.43	240.62	90.38	1,879.40	-5,872.42	2,531.66	2,151.42	380.24	6.658		
12,300.00	6,907.54	6,940.54	6,940.54	158.21	240.57	90.34	1,879.40	-5,872.42	2,488.47	2,103.45	385.02	6.463		
12,400.00	6,906.23	6,939.23	6,939.23	160.99	240.53	90.31	1,879.40	-5,872.42	2,448.60	2,058.81	389.79	6.282		
12,500.00	6,904.92	6,937.92	6,937.92	163.78	240.48	90.28	1,879.40	-5,872.42	2,412.22	2,017.71	394.50	6.115		
12,600.00	6,903.60	6,936.60	6,936.60	166.57	240.43	90.24	1,879.40	-5,872.42	2,379.48	1,980.34	399.14	5.962		
12,700.00	6,902.29	6,935.29	6,935.29	169.35	240.39	90.21	1,879.40	-5,872.42	2,350.55	1,946.89	403.66	5.823		
12,800.00	6,900.97	6,933.97	6,933.97	172.14	240.34	90.18	1,879.40	-5,872.42	2,325.56	1,917.54	408.02	5.700		
12,900.00	6,899.66	6,932.66	6,932.66	174.94	240.30	90.14	1,879.40	-5,872.42	2,304.64	1,892.46	412.19	5.591		
13,000.00	6,898.34	6,931.34	6,931.34	177.73	240.25	90.11	1,879.40	-5,872.42	2,287.91	1,871.79	416.12	5.498		
13,100.00	6,897.03	6,930.03	6,930.03	180.53	240.20	90.08	1,879.40	-5,872.42	2,275.44	1,855.65	419.79	5.420		
13,200.00	6,895.71	6,928.71	6,928.71	183.32	240.16	90.04	1,879.40	-5,872.42	2,267.33	1,844.17	423.16	5.358		
13,300.00	6,894.40	6,927.40	6,927.40	186.12	240.11	90.01	1,879.40	-5,872.42	2,263.61	1,837.40	426.21	5.311		
13,334.37	6,893.95	6,926.95	6,926.95	187.08	240.10	90.00	1,879.40	-5,872.42	2,263.34	1,836.17	427.18	5.298 CC		
13,400.00	6,893.08	6,926.08	6,926.08	188.92	240.07	89.98	1,879.40	-5,872.42	2,264.30	1,835.38	428.91	5.279 ES		
13,500.00	6,891.77	6,924.77	6,924.77	191.72	240.02	89.94	1,879.40	-5,872.42	2,269.40	1,838.15	431.25	5.262		
13,600.00	6,890.45	6,923.45	6,923.45	194.52	239.98	89.91	1,879.40	-5,872.42	2,278.88	1,845.66	433.22	5.260 SF		
13,700.00	6,889.14	6,922.14	6,922.14	197.32	239.93	89.88	1,879.40	-5,872.42	2,292.68	1,857.87	434.81	5.273		
13,800.00	6,887.82	6,920.82	6,920.82	200.13	239.88	89.85	1,879.40	-5,872.42	2,310.74	1,874.70	436.03	5.299		
13,900.00	6,886.51	6,919.51	6,919.51	202.93	239.84	89.81	1,879.40	-5,872.42	2,332.94	1,896.05	436.89	5.340		
14,000.00	6,885.20	6,918.20	6,918.20	205.74	239.79	89.78	1,879.40	-5,872.42	2,359.18	1,921.77	437.41	5.394		
14,100.00	6,883.88	6,916.88	6,916.88	208.55	239.75	89.75	1,879.40	-5,872.42	2,389.31	1,951.71	437.60	5.460		

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 13N-6B-M
<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 13N-6B-M	<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
14,200.00	6,882.57	6,915.57	6,915.57	211.35	239.70	89.71	1,879.40	-5,872.42	2,423.20	1,985.72	437.48	5.539	
14,300.00	6,881.25	6,914.25	6,914.25	214.16	239.65	89.68	1,879.40	-5,872.42	2,460.69	2,023.60	437.09	5.630	
14,400.00	6,879.94	6,912.94	6,912.94	216.97	239.61	89.65	1,879.40	-5,872.42	2,501.62	2,065.17	436.45	5.732	
14,500.00	6,878.62	6,911.62	6,911.62	219.78	239.56	89.61	1,879.40	-5,872.42	2,545.82	2,110.24	435.58	5.845	
14,600.00	6,877.31	6,910.31	6,910.31	222.59	239.52	89.58	1,879.40	-5,872.42	2,593.12	2,158.61	434.51	5.968	
14,700.00	6,875.99	6,908.99	6,908.99	225.41	239.47	89.55	1,879.40	-5,872.42	2,643.36	2,210.09	433.27	6.101	
14,800.00	6,874.68	6,907.68	6,907.68	228.22	239.42	89.51	1,879.40	-5,872.42	2,696.37	2,264.49	431.88	6.243	
14,900.00	6,873.36	6,906.36	6,906.36	231.03	239.38	89.48	1,879.40	-5,872.42	2,752.00	2,321.63	430.37	6.394	
15,000.00	6,872.05	6,905.05	6,905.05	233.85	239.33	89.45	1,879.40	-5,872.42	2,810.08	2,381.32	428.76	6.554	
15,100.00	6,870.73	6,903.73	6,903.73	236.66	239.29	89.41	1,879.40	-5,872.42	2,870.48	2,443.41	427.07	6.721	
15,200.00	6,869.42	6,902.42	6,902.42	239.48	239.24	89.38	1,879.40	-5,872.42	2,933.04	2,507.72	425.31	6.896	
15,300.00	6,868.11	6,901.11	6,901.11	242.29	239.20	89.35	1,879.40	-5,872.42	2,997.62	2,574.12	423.51	7.078	
15,400.00	6,866.79	6,900.21	6,899.79	245.11	239.16	89.31	1,879.40	-5,872.42	3,064.12	2,642.43	421.68	7.266	
15,460.11	6,866.00	6,901.00	6,899.00	246.80	239.19	89.29	1,879.40	-5,872.42	3,104.95	2,684.33	420.62	7.382	
15,460.74	6,865.99	6,901.01	6,898.99	246.82	239.19	89.29	1,879.40	-5,872.42	3,105.38	2,684.77	420.61	7.383	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	15,756.98	7,060.91	3.28	285.44	-1.33	1,571.98	-36.38	7,278.78					
100.00	100.00	15,756.93	7,060.91	3.28	285.44	-1.33	1,571.98	-36.42	7,181.18	7,064.03	117.15	61.300		
200.00	200.00	15,756.89	7,060.91	3.34	285.43	-1.33	1,571.98	-36.46	7,083.64	6,966.13	117.51	60.281		
300.00	299.98	15,758.19	7,060.91	3.44	285.48	-108.57	1,572.01	-35.17	6,986.26	6,868.34	117.91	59.250		
400.00	399.84	15,762.16	7,060.91	3.60	285.61	-115.88	1,572.12	-31.20	6,889.21	6,770.83	118.38	58.196		
500.00	499.45	15,768.79	7,060.91	3.80	285.83	-122.19	1,572.29	-24.57	6,792.64	6,673.72	118.91	57.124		
584.50	583.35	15,776.47	7,060.90	4.01	286.08	-126.77	1,572.51	-16.90	6,711.49	6,592.07	119.41	56.203		
600.00	598.71	15,778.05	7,060.90	4.05	286.13	-126.73	1,572.56	-15.32	6,696.65	6,577.14	119.51	56.034		
700.00	697.81	15,788.24	7,060.90	4.33	286.46	-126.46	1,572.87	-5.13	6,600.97	6,480.80	120.16	54.934		
800.00	796.91	15,798.43	7,060.89	4.64	286.80	-126.19	1,573.19	5.06	6,505.39	6,384.55	120.85	53.832		
900.00	896.01	15,808.61	7,060.89	4.98	287.13	-125.92	1,573.54	15.23	6,409.94	6,288.38	121.56	52.730		
1,000.00	995.11	15,820.61	7,060.88	5.34	287.53	-125.60	1,573.96	27.22	6,314.60	6,192.26	122.34	51.616		
1,100.00	1,094.21	15,834.69	7,060.88	5.71	287.99	-125.21	1,574.45	41.29	6,219.38	6,096.19	123.18	50.489		
1,200.00	1,193.31	15,848.83	7,060.88	6.10	288.45	-124.83	1,574.91	55.43	6,124.28	6,000.21	124.06	49.364		
1,300.00	1,292.41	15,863.03	7,060.88	6.49	288.92	-124.44	1,575.35	69.62	6,029.31	5,904.32	124.99	48.239		
1,400.00	1,391.51	15,877.29	7,060.88	6.90	289.39	-124.05	1,575.78	83.88	5,934.47	5,808.51	125.96	47.115		
1,500.00	1,490.61	15,891.61	7,060.89	7.31	289.86	-123.66	1,576.18	98.19	5,839.77	5,712.80	126.97	45.993		
1,600.00	1,589.71	15,905.99	7,060.91	7.73	290.33	-123.26	1,576.56	112.56	5,745.22	5,617.18	128.04	44.872		
1,700.00	1,688.81	15,920.43	7,060.92	8.16	290.81	-122.85	1,576.93	127.00	5,650.82	5,521.67	129.15	43.754		
1,800.00	1,787.92	15,934.93	7,060.94	8.59	291.28	-122.45	1,577.27	141.49	5,556.59	5,426.27	130.32	42.638		
1,900.00	1,887.02	15,949.49	7,060.97	9.02	291.76	-122.04	1,577.59	156.05	5,462.52	5,330.97	131.55	41.525		
2,000.00	1,986.12	15,959.41	7,060.98	9.46	292.09	-121.76	1,577.84	165.97	5,368.64	5,235.88	132.76	40.438		
2,100.00	2,085.22	15,971.24	7,060.99	9.90	292.47	-121.42	1,578.14	177.80	5,274.96	5,140.89	134.07	39.345		
2,200.00	2,184.32	15,983.04	7,061.01	10.34	292.86	-121.08	1,578.45	189.59	5,181.48	5,046.04	135.44	38.256		
2,300.00	2,283.42	15,994.81	7,061.02	10.78	293.25	-120.74	1,578.78	201.36	5,088.22	4,951.33	136.89	37.171		
2,400.00	2,382.52	16,006.55	7,061.03	11.23	293.64	-120.40	1,579.12	213.09	4,995.19	4,856.78	138.40	36.092		
2,500.00	2,481.62	16,018.27	7,061.04	11.68	294.02	-120.06	1,579.48	224.80	4,902.40	4,762.40	140.00	35.018		
2,600.00	2,580.72	16,029.95	7,061.05	12.13	294.40	-119.72	1,579.85	236.48	4,809.86	4,668.19	141.67	33.951		
2,700.00	2,679.82	16,044.13	7,061.05	12.58	294.87	-119.31	1,580.31	250.65	4,717.60	4,574.13	143.47	32.882		
2,800.00	2,778.92	16,059.19	7,061.06	13.03	295.36	-118.86	1,580.79	265.70	4,625.62	4,480.24	145.38	31.817		
2,900.00	2,878.02	16,074.23	7,061.07	13.48	295.86	-118.42	1,581.25	280.74	4,533.93	4,386.55	147.38	30.763		
3,000.00	2,977.12	16,089.27	7,061.07	13.94	296.35	-117.97	1,581.70	295.77	4,442.56	4,293.07	149.48	29.719		
3,100.00	3,076.22	16,104.30	7,061.07	14.39	296.85	-117.52	1,582.13	310.79	4,351.52	4,199.83	151.69	28.687		
3,200.00	3,175.32	16,119.32	7,061.08	14.85	297.34	-117.07	1,582.54	325.81	4,260.83	4,106.83	154.00	27.667		
3,300.00	3,274.43	16,134.33	7,061.08	15.30	297.83	-116.62	1,582.95	340.81	4,170.52	4,014.09	156.43	26.660		
3,400.00	3,373.53	16,149.33	7,061.08	15.76	298.33	-116.17	1,583.33	355.80	4,080.62	3,921.64	158.98	25.667		
3,500.00	3,472.63	16,164.32	7,061.08	16.22	298.82	-115.71	1,583.71	370.79	3,991.15	3,829.49	161.66	24.689		
3,600.00	3,571.73	16,175.73	7,061.08	16.68	299.19	-115.36	1,584.00	382.20	3,902.15	3,737.75	164.40	23.736		
3,700.00	3,670.83	16,175.00	7,061.08	17.14	299.17	-115.38	1,583.98	381.47	3,813.67	3,646.64	167.03	22.833		
3,800.00	3,769.93	16,175.00	7,061.08	17.59	299.17	-115.38	1,583.98	381.47	3,725.78	3,555.97	169.81	21.941		
3,900.00	3,869.03	16,175.00	7,061.08	18.05	299.17	-115.38	1,583.98	381.47	3,638.51	3,465.78	172.73	21.065		
4,000.00	3,968.13	16,175.00	7,061.08	18.51	299.17	-115.38	1,583.98	381.47	3,551.91	3,376.12	175.79	20.205		
4,100.00	4,067.23	16,175.00	7,061.08	18.98	299.17	-115.38	1,583.98	381.47	3,466.03	3,287.02	179.01	19.362		
4,200.00	4,166.33	16,175.00	7,061.08	19.44	299.17	-115.38	1,583.98	381.47	3,380.94	3,198.54	182.39	18.537		
4,300.00	4,265.43	16,175.00	7,061.08	19.90	299.17	-115.38	1,583.98	381.47	3,296.67	3,110.73	185.94	17.730		
4,400.00	4,364.53	16,175.00	7,061.08	20.36	299.17	-115.38	1,583.98	381.47	3,213.31	3,023.65	189.66	16.943		
4,500.00	4,463.63	16,175.00	7,061.08	20.82	299.17	-115.38	1,583.98	381.47	3,130.93	2,937.37	193.56	16.176		
4,600.00	4,562.73	16,175.00	7,061.08	21.28	299.17	-115.38	1,583.98	381.47	3,049.59	2,851.95	197.64	15.430		
4,700.00	4,661.83	16,175.00	7,061.08	21.75	299.17	-115.38	1,583.98	381.47	2,969.40	2,767.49	201.92	14.706		
4,800.00	4,760.93	16,175.00	7,061.08	22.21	299.17	-115.38	1,583.98	381.47	2,890.45	2,684.06	206.39	14.005		
4,900.00	4,860.04	16,175.00	7,061.08	22.67	299.17	-115.38	1,583.98	381.47	2,812.83	2,601.77	211.05	13.327		
5,000.00	4,959.14	16,175.00	7,061.08	23.13	299.17	-115.38	1,583.98	381.47	2,736.66	2,520.74	215.92	12.674		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	16,175.00	7,061.08	23.60	299.17	-115.38	1,583.98	381.47	2,662.08	2,441.09	220.99	12.046		
5,200.00	5,157.34	16,175.00	7,061.08	24.06	299.17	-115.38	1,583.98	381.47	2,589.20	2,362.95	226.25	11.444		
5,300.00	5,256.44	16,175.00	7,061.08	24.52	299.17	-115.38	1,583.98	381.47	2,518.19	2,286.49	231.71	10.868		
5,400.00	5,355.54	16,175.00	7,061.08	24.99	299.17	-115.38	1,583.98	381.47	2,449.21	2,211.87	237.34	10.320		
5,500.00	5,454.64	16,175.00	7,061.08	25.45	299.17	-115.38	1,583.98	381.47	2,382.43	2,139.30	243.13	9.799		
5,600.00	5,553.74	16,175.00	7,061.08	25.92	299.17	-115.38	1,583.98	381.47	2,318.03	2,068.97	249.06	9.307		
5,700.00	5,652.84	16,175.00	7,061.08	26.38	299.17	-115.38	1,583.98	381.47	2,256.24	2,001.13	255.11	8.844		
5,800.00	5,751.94	16,175.00	7,061.08	26.84	299.17	-115.38	1,583.98	381.47	2,197.26	1,936.03	261.22	8.411		
5,900.00	5,851.04	16,175.00	7,061.08	27.31	299.17	-115.38	1,583.98	381.47	2,141.32	1,873.96	267.36	8.009		
6,000.00	5,950.14	16,175.00	7,061.08	27.77	299.17	-115.38	1,583.98	381.47	2,088.68	1,815.20	273.48	7.637		
6,100.00	6,049.24	16,175.00	7,061.08	28.24	299.17	-115.38	1,583.98	381.47	2,039.59	1,760.09	279.50	7.297		
6,200.00	6,148.34	16,175.00	7,061.08	28.70	299.17	-115.38	1,583.98	381.47	1,994.30	1,708.96	285.34	6.989		
6,304.69	6,252.09	16,175.00	7,061.08	29.19	299.17	-115.38	1,583.98	381.47	1,951.26	1,660.07	291.19	6.701		
6,350.00	6,297.17	16,175.00	7,061.08	29.39	299.17	-125.79	1,583.98	381.47	1,933.74	1,640.07	293.67	6.585		
6,400.00	6,347.13	16,175.00	7,061.08	29.59	299.17	134.58	1,583.98	381.47	1,914.72	1,618.27	296.44	6.459		
6,450.00	6,397.02	16,175.00	7,061.08	29.78	299.17	96.17	1,583.98	381.47	1,896.13	1,596.89	299.24	6.336		
6,500.00	6,446.53	16,175.00	7,061.08	29.96	299.17	91.29	1,583.98	381.47	1,878.13	1,576.07	302.06	6.218		
6,550.00	6,495.35	16,175.00	7,061.08	30.14	299.17	90.36	1,583.98	381.47	1,860.82	1,555.94	304.88	6.103		
6,600.00	6,543.19	16,175.00	7,061.08	30.33	299.17	90.57	1,583.98	381.47	1,844.35	1,536.67	307.69	5.994		
6,650.00	6,589.76	16,175.00	7,061.08	30.52	299.17	91.20	1,583.98	381.47	1,828.84	1,518.39	310.45	5.891		
6,700.00	6,634.75	16,175.00	7,061.08	30.71	299.17	92.00	1,583.98	381.47	1,814.40	1,501.25	313.15	5.794		
6,750.00	6,677.90	16,175.00	7,061.08	30.91	299.17	92.84	1,583.98	381.47	1,801.16	1,485.39	315.77	5.704		
6,800.00	6,718.94	16,175.00	7,061.08	31.13	299.17	93.65	1,583.98	381.47	1,789.23	1,470.95	318.28	5.622		
6,850.00	6,757.62	16,175.00	7,061.08	31.36	299.17	94.39	1,583.98	381.47	1,778.69	1,458.04	320.65	5.547		
6,900.00	6,793.70	16,175.00	7,061.08	31.61	299.17	95.04	1,583.98	381.47	1,769.65	1,446.77	322.88	5.481		
6,950.00	6,826.95	16,175.00	7,061.08	31.88	299.17	95.58	1,583.98	381.47	1,762.19	1,437.25	324.94	5.423		
7,000.00	6,857.18	16,175.00	7,061.08	32.19	299.17	95.99	1,583.98	381.47	1,756.36	1,429.55	326.81	5.374		
7,050.00	6,884.18	16,175.00	7,061.08	32.52	299.17	96.28	1,583.98	381.47	1,752.23	1,423.75	328.48	5.334		
7,100.00	6,907.81	16,175.00	7,061.08	32.90	299.17	96.42	1,583.98	381.47	1,749.83	1,419.90	329.93	5.304 SF		
7,150.00	6,927.91	16,131.69	7,061.08	33.32	297.75	95.90	1,582.88	338.17	1,748.68	1,419.42	329.26	5.311 ES		
7,200.00	6,944.36	16,078.52	7,061.07	33.77	296.00	95.36	1,581.38	285.03	1,747.90	1,419.79	328.11	5.327		
7,250.00	6,957.05	16,026.35	7,061.04	34.27	294.29	94.94	1,579.74	232.88	1,747.35	1,420.35	326.99	5.344		
7,291.99	6,964.76	15,991.75	7,061.02	34.72	293.15	94.72	1,578.69	198.29	1,747.17	1,420.69	326.48	5.352		
7,300.00	6,965.92	15,985.10	7,061.01	34.80	292.93	94.69	1,578.51	191.65	1,747.18	1,420.80	326.38	5.353		
7,350.00	6,970.89	15,945.44	7,060.96	35.37	291.63	94.52	1,577.50	152.00	1,747.48	1,421.66	325.82	5.363		
7,396.89	6,972.00	15,887.93	7,060.89	35.93	289.74	94.42	1,576.08	94.51	1,747.99	1,423.62	324.37	5.389		
7,400.00	6,971.96	15,884.12	7,060.89	35.97	289.61	94.42	1,575.97	90.70	1,748.02	1,423.74	324.27	5.391		
7,500.00	6,970.65	15,781.39	7,060.90	37.28	286.24	94.46	1,572.66	-11.98	1,748.53	1,426.36	322.17	5.427		
7,600.00	6,969.33	15,698.30	7,060.94	38.76	283.51	94.50	1,570.73	-95.05	1,749.93	1,428.80	321.13	5.449		
7,700.00	6,968.02	15,591.63	7,061.00	40.39	280.01	94.54	1,568.31	-201.68	1,751.40	1,432.25	319.16	5.488		
7,800.00	6,966.70	15,485.13	7,061.03	42.15	276.51	94.59	1,565.65	-308.16	1,752.66	1,435.34	317.32	5.523		
7,900.00	6,965.39	15,374.20	7,060.93	44.02	272.87	94.63	1,562.20	-419.03	1,753.29	1,437.89	315.39	5.559		
8,000.00	6,964.07	15,295.74	7,060.82	45.99	270.30	94.66	1,559.81	-497.45	1,754.04	1,438.99	315.05	5.567		
8,100.00	6,962.76	15,231.71	7,060.36	48.05	268.19	94.67	1,559.04	-561.47	1,756.56	1,441.20	315.37	5.570		
8,200.00	6,961.45	8,200.00	7,059.38	50.19	60.22	94.67	1,559.71	-677.30	1,760.98	1,673.26	87.72	20.075		
8,300.00	6,960.13	14,917.11	7,053.17	52.39	257.90	94.56	1,550.70	-875.67	1,759.00	1,451.15	307.85	5.714		
8,400.00	6,958.82	14,825.97	7,049.96	54.65	254.93	94.50	1,544.97	-966.57	1,756.20	1,448.89	307.31	5.715		
8,500.00	6,957.50	14,742.86	7,047.21	56.97	252.23	94.45	1,540.50	-1,049.52	1,754.32	1,447.11	307.21	5.710		
8,600.00	6,956.19	14,655.96	7,045.23	59.33	249.40	94.42	1,536.54	-1,136.31	1,753.33	1,446.39	306.94	5.712		
8,700.00	6,954.87	14,565.21	7,043.45	61.73	246.43	94.40	1,532.91	-1,226.96	1,752.92	1,446.41	306.51	5.719		
8,800.00	6,953.56	14,455.55	7,043.34	64.16	242.86	94.45	1,528.72	-1,336.54	1,752.87	1,447.67	305.20	5.743		
8,900.00	6,952.24	14,327.36	7,043.86	66.63	238.69	94.53	1,521.78	-1,464.54	1,751.20	1,448.22	302.98	5.780		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	14,192.65	7,044.16	69.13	234.34	94.61	1,512.26	-1,598.91	1,747.91	1,447.52	300.38	5.819		
9,100.00	6,949.61	14,078.60	7,044.33	71.65	230.67	94.68	1,502.36	-1,712.53	1,742.97	1,444.10	298.86	5.832		
9,200.00	6,948.30	13,982.09	7,044.49	74.20	227.57	94.74	1,493.87	-1,808.67	1,737.95	1,439.62	298.33	5.826		
9,300.00	6,946.98	13,899.42	7,044.67	76.77	224.91	94.79	1,486.97	-1,891.05	1,733.41	1,434.85	298.56	5.806		
9,400.00	6,945.67	13,820.62	7,044.87	79.35	222.37	94.84	1,481.46	-1,969.66	1,730.18	1,431.19	298.99	5.787		
9,500.00	6,944.35	13,739.73	7,045.16	81.95	219.76	94.89	1,476.58	-2,050.40	1,727.96	1,428.67	299.29	5.774		
9,600.00	6,943.04	13,666.00	7,045.41	84.57	217.37	94.93	1,473.30	-2,124.05	1,727.26	1,427.35	299.91	5.759		
9,602.32	6,943.01	13,669.11	7,045.40	84.63	217.47	94.93	1,473.41	-2,120.95	1,727.26	1,427.11	300.15	5.755		
9,700.00	6,941.73	13,582.28	7,045.80	87.21	214.65	94.98	1,470.61	-2,207.73	1,727.82	1,427.79	300.02	5.759		
9,800.00	6,940.41	13,512.17	7,046.13	89.85	212.37	95.02	1,469.12	-2,277.82	1,729.51	1,428.79	300.72	5.751		
9,900.00	6,939.10	13,404.76	7,046.22	92.51	208.87	95.06	1,468.20	-2,385.22	1,732.45	1,432.68	299.77	5.779		
10,000.00	6,937.78	13,331.41	7,046.30	95.17	206.47	95.08	1,467.34	-2,458.57	1,735.13	1,434.85	300.29	5.778		
10,100.00	6,936.47	13,258.20	7,046.50	97.85	204.08	95.11	1,468.05	-2,531.77	1,739.80	1,439.05	300.75	5.785		
10,200.00	6,935.15	13,145.10	7,046.74	100.54	200.39	95.15	1,469.75	-2,644.87	1,745.12	1,445.49	299.63	5.824		
10,300.00	6,933.84	12,939.05	7,047.34	103.23	193.71	95.25	1,464.78	-2,850.82	1,746.40	1,452.09	294.31	5.934		
10,400.00	6,932.52	12,843.99	7,047.44	105.93	190.65	95.30	1,459.56	-2,945.72	1,744.71	1,450.71	293.99	5.934		
10,500.00	6,931.21	12,745.71	7,047.46	108.64	187.50	95.35	1,454.72	-3,043.89	1,743.55	1,450.02	293.53	5.940		
10,600.00	6,929.89	12,605.15	7,047.58	111.36	183.00	95.43	1,445.85	-3,184.16	1,740.96	1,450.03	290.94	5.984		
10,700.00	6,928.58	12,488.69	7,047.72	114.08	179.30	95.49	1,437.11	-3,300.29	1,737.30	1,447.76	289.54	6.000		
10,800.00	6,927.26	12,368.18	7,047.98	116.81	175.50	95.58	1,426.22	-3,420.31	1,732.04	1,444.14	287.89	6.016		
10,900.00	6,925.95	12,316.03	7,047.94	119.54	173.84	95.61	1,421.86	-3,472.27	1,727.60	1,437.66	289.94	5.958		
11,000.00	6,924.64	12,265.00	7,047.41	122.28	172.22	95.61	1,419.38	-3,523.24	1,726.27	1,434.41	291.86	5.915		
11,001.10	6,924.62	12,265.00	7,047.41	122.31	172.22	95.61	1,419.38	-3,523.24	1,726.27	1,434.36	291.91	5.914		
11,100.00	6,923.32	12,204.82	7,046.26	125.02	170.28	95.60	1,418.06	-3,583.40	1,727.54	1,434.37	293.17	5.893		
11,200.00	6,922.01	12,030.12	7,041.84	127.77	164.69	95.52	1,413.36	-3,757.95	1,728.93	1,439.72	289.21	5.978		
11,300.00	6,920.69	11,907.53	7,038.98	130.52	160.82	95.49	1,405.11	-3,880.22	1,725.65	1,438.05	287.60	6.000		
11,400.00	6,919.38	11,835.40	7,037.70	133.28	158.54	95.49	1,400.52	-3,952.19	1,722.95	1,434.39	288.55	5.971		
11,487.24	6,918.23	11,778.70	7,037.37	135.68	156.74	95.50	1,397.88	-4,008.83	1,722.14	1,432.53	289.62	5.946		
11,500.00	6,918.06	11,770.88	7,037.34	136.04	156.49	95.51	1,397.60	-4,016.65	1,722.16	1,432.38	289.79	5.943		
11,600.00	6,916.75	11,703.00	7,036.98	138.80	154.33	95.52	1,396.11	-4,084.51	1,723.59	1,432.83	290.76	5.928		
11,700.00	6,915.43	11,620.21	7,036.61	141.56	151.69	95.54	1,395.49	-4,167.30	1,726.50	1,435.47	291.03	5.932		
11,800.00	6,914.12	11,530.31	7,036.50	144.33	148.82	95.56	1,395.20	-4,257.19	1,729.92	1,438.94	290.98	5.945		
11,900.00	6,912.80	11,401.19	7,036.54	147.10	144.71	95.61	1,394.04	-4,386.31	1,732.79	1,443.49	289.29	5.990		
12,000.00	6,911.49	11,306.23	7,036.76	149.88	141.70	95.65	1,392.48	-4,481.25	1,734.94	1,445.88	289.06	6.002		
12,100.00	6,910.17	11,217.10	7,036.22	152.65	138.88	95.66	1,391.53	-4,570.38	1,737.57	1,448.49	289.08	6.011		
12,200.00	6,908.86	11,119.03	7,034.82	155.43	135.78	95.65	1,391.19	-4,668.43	1,740.84	1,452.10	288.74	6.029		
12,300.00	6,907.54	10,984.96	7,032.57	158.21	131.57	95.63	1,388.78	-4,802.46	1,742.54	1,455.66	286.88	6.074		
12,400.00	6,906.23	10,882.90	7,030.99	160.99	128.38	95.61	1,386.09	-4,904.47	1,743.53	1,457.14	286.39	6.088		
12,500.00	6,904.92	10,798.31	7,029.74	163.78	125.75	95.61	1,384.14	-4,989.04	1,744.86	1,458.20	286.66	6.087		
12,600.00	6,903.60	10,463.31	7,022.45	166.57	115.70	95.57	1,354.48	-5,322.19	1,738.57	1,464.46	274.10	6.343		
12,700.00	6,902.29	10,396.00	7,021.68	169.35	113.76	95.59	1,345.12	-5,388.83	1,728.20	1,452.46	275.74	6.268		
12,800.00	6,900.97	10,321.76	7,021.15	172.14	111.61	95.63	1,336.00	-5,462.51	1,719.52	1,442.61	276.91	6.210		
12,900.00	6,899.66	10,262.64	7,020.89	174.94	109.89	95.66	1,329.42	-5,521.25	1,712.26	1,433.40	278.86	6.140		
13,000.00	6,898.34	10,211.00	7,021.27	177.73	108.38	95.70	1,325.09	-5,572.71	1,707.74	1,426.69	281.06	6.076		
13,100.00	6,897.03	10,135.29	7,022.36	180.53	106.15	95.78	1,320.30	-5,648.27	1,705.35	1,423.42	281.92	6.049		
13,200.00	6,895.71	10,044.37	7,023.95	183.32	103.48	95.88	1,315.53	-5,739.05	1,704.06	1,422.02	282.03	6.042		
13,274.56	6,894.73	9,989.11	7,025.04	185.41	101.86	95.94	1,312.92	-5,794.23	1,703.54	1,420.85	282.69	6.026 CC		
13,300.00	6,894.40	9,972.32	7,025.37	186.12	101.37	95.96	1,312.29	-5,811.01	1,703.60	1,420.60	283.00	6.020		
13,400.00	6,893.08	9,908.64	7,026.61	188.92	99.50	96.03	1,310.72	-5,874.66	1,705.14	1,420.88	284.25	5.999		
13,500.00	6,891.77	9,839.00	7,027.96	191.72	97.45	96.09	1,310.74	-5,944.28	1,708.99	1,423.83	285.16	5.993		
13,600.00	6,890.45	9,783.59	7,029.01	194.52	95.81	96.14	1,311.97	-5,999.67	1,714.97	1,428.48	286.48	5.986		
13,700.00	6,889.14	9,710.17	7,030.26	197.32	93.64	96.19	1,314.93	-6,073.02	1,722.86	1,435.79	287.07	6.002		

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 13N-6B-M
<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 13N-6B-M	<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		
13,800.00	6,887.82	9,629.84	7,030.73	200.13	91.28	96.22	1,319.11	-6,153.23	1,731.88	1,444.48	287.40	6.026		
13,900.00	6,886.51	9,560.59	7,030.83	202.93	89.24	96.23	1,323.74	-6,222.33	1,742.32	1,454.31	288.01	6.049		
14,000.00	6,885.20	9,402.60	7,030.95	205.74	84.69	96.24	1,333.34	-6,380.01	1,752.18	1,466.07	286.11	6.124		
14,100.00	6,883.88	9,273.00	7,030.48	208.55	81.07	96.25	1,337.40	-6,509.55	1,758.92	1,473.92	284.99	6.172		
14,200.00	6,882.57	9,195.80	7,029.70	211.35	78.97	96.24	1,339.83	-6,586.71	1,765.74	1,480.16	285.58	6.183		
14,300.00	6,881.25	9,035.06	7,028.56	214.16	74.72	96.24	1,344.02	-6,747.38	1,772.24	1,488.72	283.53	6.251		
14,400.00	6,879.94	8,798.60	7,026.01	216.97	69.11	96.25	1,336.58	-6,983.65	1,773.01	1,494.70	278.32	6.370		
14,500.00	6,878.62	8,695.78	7,025.56	219.78	66.97	96.29	1,328.94	-7,086.17	1,769.34	1,490.99	278.34	6.357		
14,600.00	6,877.31	8,597.81	7,026.00	222.59	65.08	96.36	1,321.91	-7,183.89	1,766.01	1,487.38	278.63	6.338		
14,700.00	6,875.99	8,438.41	7,027.52	225.41	62.43	96.51	1,306.98	-7,342.58	1,760.45	1,483.99	276.46	6.368		
14,800.00	6,874.68	8,330.27	7,028.44	228.22	60.96	96.62	1,294.92	-7,450.04	1,753.21	1,476.64	276.57	6.339		
14,900.00	6,873.36	8,236.13	7,029.26	231.03	59.87	96.71	1,284.38	-7,543.58	1,745.95	1,468.57	277.38	6.294		
15,000.00	6,872.05	8,152.23	7,029.96	233.85	59.03	96.79	1,275.52	-7,627.01	1,739.33	1,460.66	278.67	6.242		
15,100.00	6,870.73	8,073.48	7,030.58	236.66	58.34	96.87	1,268.05	-7,705.40	1,733.76	1,453.55	280.21	6.187		
15,200.00	6,869.42	7,930.63	7,031.17	239.48	57.38	96.98	1,253.91	-7,847.54	1,727.82	1,448.08	279.74	6.177		
15,300.00	6,868.11	7,802.88	7,028.43	242.29	56.81	96.99	1,238.84	-7,974.36	1,719.63	1,439.51	280.12	6.139		
15,400.00	6,866.79	7,743.63	7,023.98	245.11	56.60	96.89	1,231.99	-8,033.03	1,711.29	1,428.51	282.78	6.052		
15,460.11	6,866.00	7,720.21	7,021.45	246.80	56.51	96.82	1,230.09	-8,056.23	1,707.90	1,423.27	284.64	6.000		
15,460.74	6,865.99	7,719.97	7,021.42	246.82	56.51	96.82	1,230.07	-8,056.47	1,707.88	1,423.22	284.66	6.000		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-71.34	2,731.28	-8,088.12	8,815.90					
100.00	100.00	2,285.17	2,202.85	3.28	15.06	-71.42	2,716.68	-8,081.31	8,791.13	8,774.24	16.89	520.473		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.49	2,702.90	-8,075.50	8,767.12	8,749.90	17.21	509.300		
300.00	299.98	2,360.13	2,273.09	3.44	15.68	-170.63	2,692.45	-8,071.40	8,745.44	8,727.93	17.51	499.455		
400.00	399.84	2,418.00	2,327.31	3.60	16.16	-170.79	2,673.47	-8,064.44	8,727.80	8,709.77	18.04	483.837		
500.00	499.45	2,463.40	2,369.85	3.80	16.54	-170.92	2,658.47	-8,059.26	8,714.11	8,695.57	18.54	470.120		
584.50	583.35	2,554.24	2,454.96	4.01	17.29	-171.13	2,628.39	-8,049.10	8,705.52	8,686.14	19.38	449.258		
600.00	598.71	2,594.84	2,493.03	4.05	17.63	-171.21	2,615.10	-8,044.35	8,704.12	8,684.41	19.71	441.646		
700.00	697.81	2,721.36	2,611.68	4.33	18.69	-171.45	2,574.17	-8,028.42	8,694.37	8,673.49	20.89	416.274		
800.00	796.91	2,775.00	2,662.03	4.64	19.14	-171.56	2,556.81	-8,022.07	8,685.39	8,663.82	21.57	402.651		
900.00	896.01	2,797.68	2,683.33	4.98	19.33	-171.60	2,549.43	-8,019.55	8,677.06	8,655.00	22.06	393.334		
1,000.00	995.11	2,841.12	2,724.10	5.34	19.69	-171.69	2,535.14	-8,015.00	8,669.45	8,646.72	22.73	381.491		
1,100.00	1,094.21	2,908.83	2,787.60	5.71	20.25	-171.82	2,512.60	-8,008.40	8,662.45	8,638.86	23.59	367.189		
1,200.00	1,193.31	3,010.41	2,882.88	6.10	21.10	-172.03	2,478.78	-7,998.52	8,655.61	8,630.88	24.73	350.022		
1,300.00	1,292.41	3,099.02	2,965.99	6.49	21.84	-172.21	2,449.28	-7,989.86	8,648.83	8,623.05	25.78	335.427		
1,400.00	1,391.51	3,241.16	3,099.30	6.90	23.04	-172.50	2,402.04	-7,975.81	8,642.13	8,614.88	27.25	317.097		
1,500.00	1,490.61	3,347.32	3,198.87	7.31	23.93	-172.72	2,366.97	-7,964.50	8,634.83	8,606.36	28.46	303.373		
1,600.00	1,589.71	3,981.22	3,793.32	7.73	29.33	-173.91	2,166.63	-7,876.25	8,626.62	8,593.20	33.43	258.088		
1,700.00	1,688.81	4,028.00	3,837.19	8.16	29.73	-173.99	2,152.68	-7,867.95	8,614.00	8,579.81	34.19	251.942		
1,800.00	1,787.92	4,028.00	3,837.19	8.59	29.73	-173.99	2,152.68	-7,867.95	8,602.25	8,567.60	34.65	248.291		
1,900.00	1,887.02	4,079.32	3,885.37	9.02	30.17	-174.08	2,137.16	-7,859.50	8,591.09	8,555.63	35.46	242.269		
2,000.00	1,986.12	4,117.00	3,920.77	9.46	30.49	-174.15	2,125.53	-7,853.90	8,580.95	8,544.76	36.19	237.131		
2,100.00	2,085.22	4,144.09	3,946.22	9.90	30.72	-174.20	2,117.05	-7,850.13	8,571.58	8,534.73	36.85	232.622		
2,200.00	2,184.32	4,208.00	4,006.19	10.34	31.26	-174.32	2,096.63	-7,841.69	8,562.90	8,525.12	37.78	226.655		
2,300.00	2,283.42	4,280.39	4,074.06	10.78	31.89	-174.46	2,073.18	-7,832.47	8,554.63	8,515.85	38.78	220.568		
2,400.00	2,382.52	4,413.54	4,198.88	11.23	33.03	-174.73	2,030.17	-7,815.17	8,546.30	8,506.06	40.24	212.378		
2,500.00	2,481.62	2,500.00	4,513.89	11.68	16.74	-175.36	1,925.10	-7,764.32	8,536.11	8,509.23	26.87	317.623		
2,600.00	2,580.72	4,804.18	4,565.12	12.13	36.40	-175.46	1,908.29	-7,755.34	8,525.21	8,481.21	44.00	193.760		
2,700.00	2,679.82	4,863.04	4,620.27	12.58	36.91	-175.57	1,889.94	-7,746.08	8,514.90	8,469.99	44.91	189.592		
2,800.00	2,778.92	4,936.10	4,688.70	13.03	37.55	-175.70	1,866.93	-7,734.89	8,505.00	8,459.06	45.93	185.164		
2,900.00	2,878.02	5,012.00	4,759.80	13.48	38.21	-175.85	1,842.95	-7,723.41	8,495.35	8,448.37	46.98	180.835		
3,000.00	2,977.12	5,069.86	4,814.01	13.94	38.71	-175.96	1,824.64	-7,714.87	8,486.14	8,438.24	47.90	177.170		
3,100.00	3,076.22	5,124.71	4,865.44	14.39	39.18	-176.07	1,807.22	-7,707.10	8,477.51	8,428.71	48.80	173.724		
3,200.00	3,175.32	5,191.00	4,927.63	14.85	39.75	-176.20	1,786.15	-7,698.01	8,469.40	8,419.61	49.79	170.118		
3,300.00	3,274.43	5,248.61	4,981.72	15.30	40.24	-176.31	1,767.87	-7,690.33	8,461.75	8,411.04	50.71	166.869		
3,400.00	3,373.53	5,314.31	5,043.47	15.76	40.81	-176.44	1,747.10	-7,681.80	8,454.56	8,402.87	51.69	163.547		
3,500.00	3,472.63	5,370.00	5,095.76	16.22	41.28	-176.55	1,729.28	-7,674.79	8,447.80	8,395.19	52.61	160.576		
3,600.00	3,571.73	5,440.87	5,162.31	16.68	41.89	-176.69	1,706.46	-7,666.19	8,441.49	8,387.85	53.64	157.366		
3,700.00	3,670.83	5,516.08	5,233.00	17.14	42.52	-176.84	1,682.35	-7,657.34	8,435.64	8,380.93	54.71	154.194		
3,800.00	3,769.93	3,800.00	5,341.70	17.59	28.00	-177.07	1,645.56	-7,643.58	8,429.81	8,387.68	42.13	200.078		
3,900.00	3,869.03	5,680.27	5,387.37	18.05	43.92	-177.17	1,629.96	-7,637.84	8,424.20	8,367.25	56.95	147.929		
4,000.00	3,968.13	5,728.00	5,432.23	18.51	44.32	-177.27	1,614.48	-7,632.71	8,419.41	8,361.60	57.81	145.635		
4,100.00	4,067.23	5,997.00	5,684.71	18.98	46.62	-177.82	1,527.33	-7,601.01	8,413.80	8,353.43	60.37	139.365		
4,200.00	4,166.33	6,050.80	5,735.25	19.44	47.08	-177.93	1,510.26	-7,594.02	8,407.52	8,346.23	61.29	137.182		
4,300.00	4,265.43	4,300.00	5,918.62	19.90	32.00	-178.32	1,447.65	-7,569.49	8,401.96	8,353.61	48.35	173.780		
4,400.00	4,364.53	6,323.08	5,990.84	20.36	49.42	-178.47	1,423.36	-7,558.63	8,394.83	8,330.47	64.37	130.425		
4,500.00	4,463.63	6,355.00	6,020.78	20.82	49.70	-178.54	1,413.12	-7,554.51	8,388.69	8,323.57	65.12	128.813		
4,600.00	4,562.73	6,355.00	6,020.78	21.28	49.70	-178.54	1,413.12	-7,554.51	8,383.53	8,317.90	65.64	127.729		
4,700.00	4,661.83	6,408.05	6,070.56	21.75	50.15	-178.65	1,395.85	-7,548.36	8,379.00	8,312.44	66.56	125.892		
4,800.00	4,760.93	6,445.00	6,105.23	22.21	50.47	-178.72	1,383.63	-7,544.61	8,375.48	8,308.13	67.35	124.354		
4,900.00	4,860.04	6,470.60	6,129.27	22.67	50.68	-178.78	1,375.16	-7,542.21	8,372.78	8,304.73	68.05	123.034		
5,000.00	4,959.14	6,508.98	6,165.38	23.13	51.00	-178.86	1,362.61	-7,538.79	8,370.87	8,302.02	68.85	121.578		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	6,534.00	6,188.96	23.60	51.21	-178.91	1,354.52	-7,536.69	8,369.74	8,300.20	69.54	120.359		
5,152.44	5,110.21	6,534.00	6,188.96	23.84	51.21	-178.91	1,354.52	-7,536.69	8,369.57	8,299.78	69.79	119.922		
5,200.00	5,157.34	6,534.00	6,188.96	24.06	51.21	-178.91	1,354.52	-7,536.69	8,369.71	8,299.69	70.02	119.536		
5,300.00	5,256.44	6,534.00	6,188.96	24.52	51.21	-178.91	1,354.52	-7,536.69	8,370.87	8,300.39	70.49	118.757		
5,400.00	5,355.54	6,573.92	6,226.65	24.99	51.53	-179.00	1,341.63	-7,534.09	8,372.47	8,301.20	71.28	117.463		
5,500.00	5,454.64	6,624.00	6,273.97	25.45	51.92	-179.11	1,325.31	-7,532.77	8,376.20	8,304.05	72.15	116.094		
5,600.00	5,553.74	6,624.00	6,273.97	25.92	51.92	-179.11	1,325.31	-7,532.77	8,379.93	8,307.33	72.60	115.428		
5,700.00	5,652.84	6,624.00	6,273.97	26.38	51.92	-179.11	1,325.31	-7,532.77	8,384.85	8,311.81	73.04	114.802		
5,800.00	5,751.94	6,624.00	6,273.97	26.84	51.92	-179.11	1,325.31	-7,532.77	8,390.95	8,317.49	73.47	114.216		
5,900.00	5,851.04	6,624.00	6,273.97	27.31	51.92	-179.11	1,325.31	-7,532.77	8,398.25	8,324.36	73.88	113.669		
6,000.00	5,950.14	6,624.00	6,273.97	27.77	51.92	-179.11	1,325.31	-7,532.77	8,406.72	8,332.43	74.29	113.159		
6,100.00	6,049.24	6,624.00	6,273.97	28.24	51.92	-179.11	1,325.31	-7,532.77	8,416.38	8,341.69	74.69	112.688		
6,200.00	6,148.34	6,624.00	6,273.97	28.70	51.92	-179.11	1,325.31	-7,532.77	8,427.21	8,352.13	75.07	112.253		
6,304.69	6,252.09	6,624.00	6,273.97	29.19	51.92	-179.11	1,325.31	-7,532.77	8,439.80	8,364.34	75.47	111.836		
6,350.00	6,297.17	6,624.00	6,273.97	29.39	51.92	168.74	1,325.31	-7,532.77	8,444.08	8,368.45	75.63	111.653		
6,400.00	6,347.13	6,666.30	6,313.93	29.59	52.21	67.19	1,311.48	-7,533.85	8,444.07	8,367.90	76.17	110.861		
6,450.00	6,397.02	6,670.00	6,317.42	29.78	52.24	27.05	1,310.27	-7,534.06	8,441.63	8,365.29	76.34	110.580		
6,500.00	6,446.53	6,714.00	6,358.83	29.96	52.54	20.47	1,295.99	-7,538.11	8,436.87	8,360.01	76.86	109.769		
6,550.00	6,495.35	6,714.00	6,358.83	30.14	52.54	18.08	1,295.99	-7,538.11	8,427.14	8,350.17	76.97	109.491		
6,600.00	6,543.19	6,714.00	6,358.83	30.33	52.54	16.99	1,295.99	-7,538.11	8,413.95	8,336.89	77.06	109.191		
6,650.00	6,589.76	6,714.00	6,358.83	30.52	52.54	16.50	1,295.99	-7,538.11	8,397.37	8,320.24	77.13	108.872		
6,700.00	6,634.75	6,714.00	6,358.83	30.71	52.54	16.38	1,295.99	-7,538.11	8,377.48	8,300.30	77.19	108.532		
6,750.00	6,677.90	6,714.00	6,358.83	30.91	52.54	16.53	1,295.99	-7,538.11	8,354.39	8,277.16	77.23	108.173		
6,800.00	6,718.94	6,714.00	6,358.83	31.13	52.54	16.90	1,295.99	-7,538.11	8,328.21	8,250.95	77.26	107.795		
6,850.00	6,757.62	6,714.00	6,358.83	31.36	52.54	17.50	1,295.99	-7,538.11	8,299.07	8,221.80	77.28	107.397		
6,900.00	6,793.70	6,714.00	6,358.83	31.61	52.54	18.34	1,295.99	-7,538.11	8,267.13	8,189.85	77.28	106.978		
6,950.00	6,826.95	6,714.00	6,358.83	31.88	52.54	19.46	1,295.99	-7,538.11	8,232.54	8,155.26	77.27	106.538		
7,000.00	6,857.18	6,714.00	6,358.83	32.19	52.54	20.91	1,295.99	-7,538.11	8,195.49	8,118.23	77.26	106.078		
7,050.00	6,884.18	6,714.00	6,358.83	32.52	52.54	22.78	1,295.99	-7,538.11	8,156.17	8,078.93	77.24	105.595		
7,100.00	6,907.81	6,714.00	6,358.83	32.90	52.54	25.23	1,295.99	-7,538.11	8,114.80	8,037.58	77.22	105.090		
7,150.00	6,927.91	6,714.00	6,358.83	33.32	52.54	28.47	1,295.99	-7,538.11	8,071.61	7,994.41	77.19	104.563		
7,200.00	6,944.36	6,714.00	6,358.83	33.77	52.54	32.83	1,295.99	-7,538.11	8,026.82	7,949.65	77.17	104.014		
7,250.00	6,957.05	6,714.00	6,358.83	34.27	52.54	38.87	1,295.99	-7,538.11	7,980.70	7,903.54	77.15	103.442		
7,300.00	6,965.92	6,714.00	6,358.83	34.80	52.54	47.40	1,295.99	-7,538.11	7,933.50	7,856.36	77.14	102.849		
7,350.00	6,970.89	6,714.00	6,358.83	35.37	52.54	59.52	1,295.99	-7,538.11	7,885.50	7,808.37	77.13	102.234		
7,396.89	6,972.00	6,714.00	6,358.83	35.93	52.54	74.83	1,295.99	-7,538.11	7,840.01	7,762.88	77.14	101.639		
7,400.00	6,971.96	6,714.00	6,358.83	35.97	52.54	74.83	1,295.99	-7,538.11	7,836.99	7,759.85	77.14	101.598		
7,500.00	6,970.65	6,714.00	6,358.83	37.28	52.54	74.83	1,295.99	-7,538.11	7,739.71	7,662.55	77.16	100.305		
7,600.00	6,969.33	6,714.00	6,358.83	38.76	52.54	74.83	1,295.99	-7,538.11	7,642.50	7,565.29	77.20	98.991		
7,700.00	6,968.02	6,714.00	6,358.83	40.39	52.54	74.83	1,295.99	-7,538.11	7,545.36	7,468.10	77.26	97.656		
7,800.00	6,966.70	6,714.00	6,358.83	42.15	52.54	74.83	1,295.99	-7,538.11	7,448.30	7,370.95	77.35	96.299		
7,900.00	6,965.39	6,714.00	6,358.83	44.02	52.54	74.83	1,295.99	-7,538.11	7,351.32	7,273.87	77.45	94.921		
8,000.00	6,964.07	6,714.00	6,358.83	45.99	52.54	74.83	1,295.99	-7,538.11	7,254.41	7,176.84	77.57	93.521		
8,100.00	6,962.76	6,714.00	6,358.83	48.05	52.54	74.83	1,295.99	-7,538.11	7,157.60	7,079.88	77.72	92.098		
8,200.00	6,961.45	6,714.00	6,358.83	50.19	52.54	74.83	1,295.99	-7,538.11	7,060.87	6,982.98	77.89	90.654		
8,300.00	6,960.13	6,714.00	6,358.83	52.39	52.54	74.83	1,295.99	-7,538.11	6,964.24	6,886.15	78.09	89.188		
8,400.00	6,958.82	6,714.00	6,358.83	54.65	52.54	74.83	1,295.99	-7,538.11	6,867.70	6,789.39	78.31	87.699		
8,500.00	6,957.50	6,714.00	6,358.83	56.97	52.54	74.83	1,295.99	-7,538.11	6,771.26	6,692.70	78.56	86.190		
8,600.00	6,956.19	6,714.00	6,358.83	59.33	52.54	74.83	1,295.99	-7,538.11	6,674.93	6,596.08	78.84	84.659		
8,700.00	6,954.87	6,714.00	6,358.83	61.73	52.54	74.83	1,295.99	-7,538.11	6,578.70	6,499.54	79.16	83.108		
8,800.00	6,953.56	6,714.00	6,358.83	64.16	52.54	74.83	1,295.99	-7,538.11	6,482.59	6,403.09	79.51	81.536		
8,900.00	6,952.24	6,714.00	6,358.83	66.63	52.54	74.83	1,295.99	-7,538.11	6,386.60	6,306.72	79.89	79.946		

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 13N-6B-M
<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 13N-6B-M	<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 - Orr State 36N-35C-M - OH - OH											Offset Site Error:		0.00 ft
Survey Program: 20-MWD													Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
9,000.00	6,950.93	6,714.00	6,358.83	69.13	52.54	74.83	1,295.99	-7,538.11	6,290.74	6,210.44	80.30	78.338			
9,100.00	6,949.61	6,714.00	6,358.83	71.65	52.54	74.83	1,295.99	-7,538.11	6,195.01	6,114.25	80.76	76.712			
9,200.00	6,948.30	6,714.00	6,358.83	74.20	52.54	74.83	1,295.99	-7,538.11	6,099.41	6,018.16	81.25	75.070			
9,300.00	6,946.98	6,714.00	6,358.83	76.77	52.54	74.83	1,295.99	-7,538.11	6,003.95	5,922.17	81.78	73.414			
9,400.00	6,945.67	6,714.00	6,358.83	79.35	52.54	74.83	1,295.99	-7,538.11	5,908.65	5,826.29	82.36	71.744			
9,500.00	6,944.35	6,714.00	6,358.83	81.95	52.54	74.83	1,295.99	-7,538.11	5,813.50	5,730.53	82.98	70.062			
9,600.00	6,943.04	6,752.91	6,395.25	84.57	52.76	75.86	1,283.60	-7,543.88	5,717.39	5,633.44	83.95	68.106			
9,700.00	6,941.73	6,754.95	6,397.16	87.21	52.77	75.92	1,282.95	-7,544.24	5,622.46	5,537.79	84.67	66.405			
9,800.00	6,940.41	6,757.06	6,399.12	89.85	52.78	75.98	1,282.30	-7,544.61	5,527.70	5,442.26	85.44	64.697			
9,900.00	6,939.10	6,759.23	6,401.15	92.51	52.80	76.03	1,281.62	-7,545.00	5,433.12	5,346.86	86.26	62.986			
10,000.00	6,937.78	6,761.47	6,403.24	95.17	52.81	76.09	1,280.92	-7,545.42	5,338.73	5,251.60	87.13	61.272			
10,100.00	6,936.47	6,763.78	6,405.40	97.85	52.82	76.16	1,280.19	-7,545.85	5,244.55	5,156.49	88.06	59.557			
10,200.00	6,935.15	6,803.00	6,441.77	100.54	53.04	77.22	1,268.18	-7,554.21	5,151.60	5,062.31	89.29	57.696			
10,300.00	6,933.84	6,803.00	6,441.77	103.23	53.04	77.22	1,268.18	-7,554.21	5,057.71	4,967.41	90.31	56.006			
10,400.00	6,932.52	6,803.00	6,441.77	105.93	53.04	77.22	1,268.18	-7,554.21	4,964.06	4,872.68	91.39	54.319			
10,500.00	6,931.21	6,803.00	6,441.77	108.64	53.04	77.22	1,268.18	-7,554.21	4,870.67	4,778.14	92.53	52.639			
10,600.00	6,929.89	6,803.00	6,441.77	111.36	53.04	77.22	1,268.18	-7,554.21	4,777.54	4,683.80	93.74	50.966			
10,700.00	6,928.58	6,803.00	6,441.77	114.08	53.04	77.22	1,268.18	-7,554.21	4,684.70	4,589.68	95.02	49.303			
10,800.00	6,927.26	6,803.00	6,441.77	116.81	53.04	77.22	1,268.18	-7,554.21	4,592.15	4,495.78	96.37	47.652			
10,900.00	6,925.95	6,803.00	6,441.77	119.54	53.04	77.22	1,268.18	-7,554.21	4,499.93	4,402.13	97.79	46.014			
11,000.00	6,924.64	6,803.00	6,441.77	122.28	53.04	77.22	1,268.18	-7,554.21	4,408.04	4,308.74	99.30	44.391			
11,100.00	6,923.32	6,803.00	6,441.77	125.02	53.04	77.22	1,268.18	-7,554.21	4,316.52	4,215.63	100.89	42.786			
11,200.00	6,922.01	6,803.00	6,441.77	127.77	53.04	77.22	1,268.18	-7,554.21	4,225.38	4,122.82	102.56	41.199			
11,300.00	6,920.69	6,803.00	6,441.77	130.52	53.04	77.22	1,268.18	-7,554.21	4,134.65	4,030.32	104.32	39.633			
11,400.00	6,919.38	6,803.00	6,441.77	133.28	53.04	77.22	1,268.18	-7,554.21	4,044.35	3,938.17	106.18	38.090			
11,500.00	6,918.06	6,803.00	6,441.77	136.04	53.04	77.22	1,268.18	-7,554.21	3,954.52	3,846.39	108.14	36.570			
11,600.00	6,916.75	6,803.00	6,441.77	138.80	53.04	77.22	1,268.18	-7,554.21	3,865.20	3,755.00	110.19	35.076			
11,700.00	6,915.43	6,803.00	6,441.77	141.56	53.04	77.22	1,268.18	-7,554.21	3,776.40	3,664.04	112.36	33.609			
11,800.00	6,914.12	6,803.00	6,441.77	144.33	53.04	77.22	1,268.18	-7,554.21	3,688.18	3,573.54	114.64	32.171			
11,900.00	6,912.80	6,803.00	6,441.77	147.10	53.04	77.22	1,268.18	-7,554.21	3,600.58	3,483.54	117.04	30.763			
12,000.00	6,911.49	6,803.00	6,441.77	149.88	53.04	77.22	1,268.18	-7,554.21	3,513.64	3,394.07	119.57	29.386			
12,100.00	6,910.17	6,837.94	6,473.85	152.65	53.20	78.18	1,257.70	-7,563.24	3,426.58	3,304.31	122.27	28.025			
12,200.00	6,908.86	6,844.02	6,479.40	155.43	53.22	78.35	1,255.89	-7,564.96	3,340.81	3,215.75	125.06	26.715			
12,300.00	6,907.54	6,850.41	6,485.21	158.21	53.25	78.52	1,253.99	-7,566.80	3,255.79	3,127.80	127.99	25.439			
12,400.00	6,906.23	6,857.13	6,491.31	160.99	53.28	78.71	1,251.99	-7,568.79	3,171.58	3,040.52	131.06	24.199			
12,500.00	6,904.92	6,892.00	6,522.72	163.78	53.44	79.68	1,241.71	-7,579.93	3,088.78	2,954.52	134.26	23.006			
12,600.00	6,903.60	6,892.00	6,522.72	166.57	53.44	79.68	1,241.71	-7,579.93	3,006.15	2,868.50	137.65	21.839			
12,700.00	6,902.29	6,892.00	6,522.72	169.35	53.44	79.68	1,241.71	-7,579.93	2,924.60	2,783.38	141.22	20.710			
12,800.00	6,900.97	6,892.00	6,522.72	172.14	53.44	79.68	1,241.71	-7,579.93	2,844.23	2,699.26	144.97	19.619			
12,900.00	6,899.66	6,892.00	6,522.72	174.94	53.44	79.68	1,241.71	-7,579.93	2,765.14	2,616.23	148.91	18.569			
13,000.00	6,898.34	6,892.00	6,522.72	177.73	53.44	79.68	1,241.71	-7,579.93	2,687.45	2,534.40	153.05	17.560			
13,100.00	6,897.03	6,892.00	6,522.72	180.53	53.44	79.68	1,241.71	-7,579.93	2,611.27	2,453.89	157.38	16.592			
13,200.00	6,895.71	6,892.00	6,522.72	183.32	53.44	79.68	1,241.71	-7,579.93	2,536.75	2,374.82	161.93	15.666			
13,300.00	6,894.40	6,931.72	6,557.81	186.12	53.58	80.78	1,230.16	-7,594.48	2,462.80	2,296.28	166.52	14.790			
13,400.00	6,893.08	6,942.27	6,566.99	188.92	53.61	81.08	1,227.12	-7,598.71	2,391.33	2,219.89	171.43	13.949			
13,500.00	6,891.77	6,982.00	6,600.94	191.72	53.76	82.17	1,215.80	-7,615.95	2,322.39	2,146.06	176.33	13.171			
13,600.00	6,890.45	6,982.00	6,600.94	194.52	53.76	82.17	1,215.80	-7,615.95	2,254.48	2,072.74	181.73	12.405			
13,700.00	6,889.14	6,982.00	6,600.94	197.32	53.76	82.17	1,215.80	-7,615.95	2,189.03	2,001.68	187.35	11.684			
13,800.00	6,887.82	6,982.00	6,600.94	200.13	53.76	82.17	1,215.80	-7,615.95	2,126.27	1,933.11	193.16	11.008			
13,900.00	6,886.51	6,982.00	6,600.94	202.93	53.76	82.17	1,215.80	-7,615.95	2,066.45	1,867.29	199.16	10.376			
14,000.00	6,885.20	7,016.56	6,629.54	205.74	53.84	83.11	1,206.27	-7,632.84	2,008.72	1,803.68	205.04	9.797			
14,100.00	6,883.88	7,031.07	6,641.24	208.55	53.88	83.50	1,202.41	-7,640.50	1,954.49	1,743.27	211.22	9.253			

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 13N-6B-M
<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 13N-6B-M	<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: 20-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>	
14,200.00	6,882.57	7,071.00	6,672.42	211.35	53.98	84.55	1,192.25	-7,663.26	1,904.06	1,686.87	217.18	8.767	
14,300.00	6,881.25	7,071.00	6,672.42	214.16	53.98	84.55	1,192.25	-7,663.26	1,856.12	1,632.38	223.73	8.296	
14,400.00	6,879.94	7,071.00	6,672.42	216.97	53.98	84.55	1,192.25	-7,663.26	1,812.43	1,582.14	230.30	7.870	
14,500.00	6,878.62	7,102.38	6,695.85	219.78	54.02	85.35	1,184.84	-7,682.78	1,772.45	1,535.98	236.47	7.495	
14,600.00	6,877.31	7,123.80	6,711.31	222.59	54.04	85.89	1,180.14	-7,696.84	1,736.68	1,494.01	242.67	7.156	
14,700.00	6,875.99	7,161.00	6,737.02	225.41	54.09	86.78	1,172.69	-7,722.66	1,705.31	1,456.80	248.52	6.862	
14,800.00	6,874.68	7,161.00	6,737.02	228.22	54.09	86.78	1,172.69	-7,722.66	1,678.09	1,423.45	254.65	6.590	
14,900.00	6,873.36	7,202.49	6,764.03	231.03	54.10	87.74	1,165.43	-7,753.29	1,655.18	1,395.16	260.02	6.366	
15,000.00	6,872.05	7,250.00	6,792.75	233.85	54.12	88.77	1,158.45	-7,790.48	1,636.95	1,371.95	265.00	6.177	
15,100.00	6,870.73	7,250.00	6,792.75	236.66	54.12	88.77	1,158.45	-7,790.48	1,622.96	1,352.86	270.11	6.009	
15,200.00	6,869.42	7,299.86	6,820.18	239.48	54.08	89.76	1,152.89	-7,831.72	1,613.16	1,338.75	274.41	5.879	
15,300.00	6,868.11	7,340.00	6,840.15	242.29	54.06	90.49	1,149.89	-7,866.41	1,607.96	1,329.58	278.37	5.776	
15,381.77	6,867.03	7,371.77	6,854.50	244.60	54.01	91.02	1,148.31	-7,894.71	1,606.71	1,325.35	281.37	5.710 CC	
15,400.00	6,866.79	7,380.45	6,858.19	245.11	54.00	91.15	1,147.98	-7,902.56	1,606.77	1,324.77	282.00	5.698	
15,460.11	6,866.00	7,409.82	6,869.89	246.80	53.96	91.58	1,147.17	-7,929.48	1,607.79	1,323.80	283.99	5.661	
15,460.74	6,865.99	7,410.13	6,870.01	246.82	53.96	91.58	1,147.16	-7,929.76	1,607.81	1,323.79	284.01	5.661 ES, SF	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-86.32	478.72	-7,435.80	7,451.21					
100.00	100.00	87.00	87.00	3.28	3.61	-86.32	478.72	-7,435.80	7,451.19	7,444.30	6.90	1,080.010		
200.00	200.00	187.00	187.00	3.34	5.80	-86.32	478.72	-7,435.80	7,451.19	7,442.06	9.14	815.553		
300.00	299.98	286.98	286.98	3.44	8.90	174.68	478.72	-7,435.80	7,452.93	7,440.59	12.34	603.875		
400.00	399.84	386.84	386.84	3.60	12.21	174.68	478.72	-7,435.80	7,458.14	7,442.34	15.81	471.831		
500.00	499.45	486.45	486.45	3.80	15.59	174.67	478.72	-7,435.80	7,466.82	7,447.43	19.39	385.112		
584.50	583.35	570.35	570.35	4.01	18.46	174.65	478.72	-7,435.80	7,476.85	7,454.38	22.47	332.780		
600.00	598.71	585.71	585.71	4.05	18.99	174.66	478.72	-7,435.80	7,478.91	7,455.87	23.04	324.624		
700.00	697.81	684.81	684.81	4.33	22.40	174.67	478.72	-7,435.80	7,492.24	7,465.51	26.73	280.345		
800.00	796.91	783.91	783.91	4.64	25.83	174.67	478.72	-7,435.80	7,505.56	7,475.11	30.45	246.477		
900.00	896.01	883.01	883.01	4.98	29.26	174.68	478.72	-7,435.80	7,518.89	7,484.68	34.21	219.796		
1,000.00	995.11	982.11	982.11	5.34	32.70	174.69	478.72	-7,435.80	7,532.21	7,494.22	37.99	198.270		
1,100.00	1,094.21	1,081.21	1,081.21	5.71	36.15	174.70	478.72	-7,435.80	7,545.54	7,503.75	41.79	180.559		
1,200.00	1,193.31	1,180.31	1,180.31	6.10	39.60	174.71	478.72	-7,435.80	7,558.86	7,513.26	45.61	165.744		
1,300.00	1,292.41	1,279.41	1,279.41	6.49	43.04	174.72	478.72	-7,435.80	7,572.19	7,522.75	49.43	153.177		
1,400.00	1,391.51	1,378.51	1,378.51	6.90	46.49	174.73	478.72	-7,435.80	7,585.51	7,532.24	53.27	142.390		
1,500.00	1,490.61	1,477.61	1,477.61	7.31	49.95	174.74	478.72	-7,435.80	7,598.84	7,541.72	57.12	133.032		
1,600.00	1,589.71	1,576.71	1,576.71	7.73	53.40	174.75	478.72	-7,435.80	7,612.17	7,551.19	60.97	124.841		
1,700.00	1,688.81	1,675.81	1,675.81	8.16	56.85	174.76	478.72	-7,435.80	7,625.49	7,560.66	64.84	117.613		
1,800.00	1,787.92	1,774.92	1,774.92	8.59	60.31	174.77	478.72	-7,435.80	7,638.82	7,570.12	68.70	111.189		
1,900.00	1,887.02	1,874.02	1,874.02	9.02	63.76	174.78	478.72	-7,435.80	7,652.14	7,579.57	72.57	105.443		
2,000.00	1,986.12	1,973.12	1,973.12	9.46	67.22	174.79	478.72	-7,435.80	7,665.47	7,589.03	76.45	100.273		
2,100.00	2,085.22	2,072.22	2,072.22	9.90	70.67	174.80	478.72	-7,435.80	7,678.80	7,598.48	80.32	95.599		
2,200.00	2,184.32	2,171.32	2,171.32	10.34	74.13	174.80	478.72	-7,435.80	7,692.13	7,607.92	84.20	91.352		
2,300.00	2,283.42	2,270.42	2,270.42	10.78	77.58	174.81	478.72	-7,435.80	7,705.45	7,617.37	88.09	87.476		
2,400.00	2,382.52	2,369.52	2,369.52	11.23	81.04	174.82	478.72	-7,435.80	7,718.78	7,626.81	91.97	83.926		
2,500.00	2,481.62	2,468.62	2,468.62	11.68	84.50	174.83	478.72	-7,435.80	7,732.11	7,636.25	95.86	80.662		
2,600.00	2,580.72	2,567.72	2,567.72	12.13	87.95	174.84	478.72	-7,435.80	7,745.44	7,645.69	99.75	77.651		
2,700.00	2,679.82	2,666.82	2,666.82	12.58	91.41	174.85	478.72	-7,435.80	7,758.76	7,655.13	103.64	74.864		
2,800.00	2,778.92	2,765.92	2,765.92	13.03	94.87	174.86	478.72	-7,435.80	7,772.09	7,664.56	107.53	72.279		
2,900.00	2,878.02	2,865.02	2,865.02	13.48	98.33	174.87	478.72	-7,435.80	7,785.42	7,674.00	111.42	69.873		
3,000.00	2,977.12	2,964.12	2,964.12	13.94	101.79	174.88	478.72	-7,435.80	7,798.75	7,683.43	115.32	67.629		
3,100.00	3,076.22	3,063.22	3,063.22	14.39	105.24	174.88	478.72	-7,435.80	7,812.08	7,692.87	119.21	65.531		
3,200.00	3,175.32	3,162.32	3,162.32	14.85	108.70	174.89	478.72	-7,435.80	7,825.41	7,702.30	123.11	63.565		
3,300.00	3,274.43	3,261.43	3,261.43	15.30	112.16	174.90	478.72	-7,435.80	7,838.74	7,711.73	127.01	61.720		
3,400.00	3,373.53	3,360.53	3,360.53	15.76	115.62	174.91	478.72	-7,435.80	7,852.07	7,721.16	130.90	59.984		
3,500.00	3,472.63	3,459.63	3,459.63	16.22	119.08	174.92	478.72	-7,435.80	7,865.40	7,730.59	134.80	58.348		
3,600.00	3,571.73	3,558.73	3,558.73	16.68	122.53	174.93	478.72	-7,435.80	7,878.73	7,740.03	138.70	56.804		
3,700.00	3,670.83	3,657.83	3,657.83	17.14	125.99	174.94	478.72	-7,435.80	7,892.06	7,749.46	142.60	55.344		
3,800.00	3,769.93	3,756.93	3,756.93	17.59	129.45	174.94	478.72	-7,435.80	7,905.39	7,758.88	146.50	53.961		
3,900.00	3,869.03	3,856.03	3,856.03	18.05	132.91	174.95	478.72	-7,435.80	7,918.72	7,768.31	150.40	52.650		
4,000.00	3,968.13	3,955.13	3,955.13	18.51	136.37	174.96	478.72	-7,435.80	7,932.05	7,777.74	154.30	51.406		
4,100.00	4,067.23	4,054.23	4,054.23	18.98	139.83	174.97	478.72	-7,435.80	7,945.38	7,787.17	158.21	50.222		
4,200.00	4,166.33	4,153.33	4,153.33	19.44	143.29	174.98	478.72	-7,435.80	7,958.71	7,796.60	162.11	49.095		
4,300.00	4,265.43	4,252.43	4,252.43	19.90	146.74	174.99	478.72	-7,435.80	7,972.04	7,806.03	166.01	48.021		
4,400.00	4,364.53	4,351.53	4,351.53	20.36	150.20	175.00	478.72	-7,435.80	7,985.37	7,815.46	169.91	46.997		
4,500.00	4,463.63	4,450.63	4,450.63	20.82	153.66	175.00	478.72	-7,435.80	7,998.70	7,824.89	173.82	46.018		
4,600.00	4,562.73	4,549.73	4,549.73	21.28	157.12	175.01	478.72	-7,435.80	8,012.03	7,834.31	177.72	45.082		
4,700.00	4,661.83	4,648.83	4,648.83	21.75	160.58	175.02	478.72	-7,435.80	8,025.36	7,843.74	181.62	44.187		
4,800.00	4,760.93	4,747.93	4,747.93	22.21	164.04	175.03	478.72	-7,435.80	8,038.70	7,853.17	185.53	43.329		
4,900.00	4,860.04	4,847.04	4,847.04	22.67	167.50	175.04	478.72	-7,435.80	8,052.03	7,862.60	189.43	42.506		
5,000.00	4,959.14	4,946.14	4,946.14	23.13	170.96	175.05	478.72	-7,435.80	8,065.36	7,872.02	193.34	41.716		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,045.24	5,045.24	23.60	174.41	175.05	478.72	-7,435.80	8,078.69	7,881.45	197.24	40.958		
5,200.00	5,157.34	5,144.34	5,144.34	24.06	177.87	175.06	478.72	-7,435.80	8,092.03	7,890.88	201.15	40.229		
5,300.00	5,256.44	5,243.44	5,243.44	24.52	181.33	175.07	478.72	-7,435.80	8,105.36	7,900.30	205.05	39.528		
5,400.00	5,355.54	5,342.54	5,342.54	24.99	184.79	175.08	478.72	-7,435.80	8,118.69	7,909.73	208.96	38.853		
5,500.00	5,454.64	5,441.64	5,441.64	25.45	188.25	175.09	478.72	-7,435.80	8,132.02	7,919.16	212.86	38.203		
5,600.00	5,553.74	5,540.74	5,540.74	25.92	191.71	175.09	478.72	-7,435.80	8,145.36	7,928.59	216.77	37.576		
5,700.00	5,652.84	5,639.84	5,639.84	26.38	195.17	175.10	478.72	-7,435.80	8,158.69	7,938.01	220.68	36.971		
5,800.00	5,751.94	5,738.94	5,738.94	26.84	198.63	175.11	478.72	-7,435.80	8,172.02	7,947.44	224.58	36.388		
5,900.00	5,851.04	5,838.04	5,838.04	27.31	202.09	175.12	478.72	-7,435.80	8,185.36	7,956.87	228.49	35.824		
6,000.00	5,950.14	5,937.14	5,937.14	27.77	205.55	175.13	478.72	-7,435.80	8,198.69	7,966.29	232.40	35.279		
6,100.00	6,049.24	6,036.24	6,036.24	28.24	209.01	175.13	478.72	-7,435.80	8,212.02	7,975.72	236.30	34.752		
6,200.00	6,148.34	6,135.34	6,135.34	28.70	212.47	175.14	478.72	-7,435.80	8,225.36	7,985.15	240.21	34.242		
6,304.69	6,252.09	6,239.09	6,239.09	29.19	216.09	175.15	478.72	-7,435.80	8,239.32	7,995.02	244.30	33.726		
6,350.00	6,297.17	6,284.17	6,284.17	29.39	217.66	163.04	478.72	-7,435.80	8,243.77	7,997.70	246.07	33.501		
6,400.00	6,347.13	6,334.13	6,334.13	29.59	219.40	61.59	478.72	-7,435.80	8,244.97	7,996.95	248.02	33.243		
6,450.00	6,397.02	6,384.02	6,384.02	29.78	221.15	21.45	478.72	-7,435.80	8,242.26	7,992.32	249.95	32.976		
6,500.00	6,446.53	6,433.53	6,433.53	29.96	222.87	14.93	478.72	-7,435.80	8,235.68	7,983.83	251.84	32.701		
6,550.00	6,495.35	6,482.35	6,482.35	30.14	224.58	12.48	478.72	-7,435.80	8,225.25	7,971.54	253.71	32.420		
6,600.00	6,543.19	6,530.19	6,530.19	30.33	226.25	11.29	478.72	-7,435.80	8,211.04	7,955.52	255.52	32.134		
6,650.00	6,589.76	6,576.76	6,576.76	30.52	227.87	10.69	478.72	-7,435.80	8,193.14	7,935.87	257.28	31.846		
6,700.00	6,634.75	6,621.75	6,621.75	30.71	229.44	10.42	478.72	-7,435.80	8,171.67	7,912.71	258.96	31.555		
6,750.00	6,677.90	6,664.90	6,664.90	30.91	230.95	10.39	478.72	-7,435.80	8,146.75	7,886.18	260.57	31.265		
6,800.00	6,718.94	6,705.94	6,705.94	31.13	232.38	10.55	478.72	-7,435.80	8,118.53	7,856.44	262.09	30.976		
6,850.00	6,757.62	6,744.62	6,744.62	31.36	233.73	10.90	478.72	-7,435.80	8,087.20	7,823.69	263.51	30.690		
6,900.00	6,793.70	6,780.70	6,780.70	31.61	234.99	11.43	478.72	-7,435.80	8,052.94	7,788.11	264.83	30.408		
6,950.00	6,826.95	6,813.95	6,813.95	31.88	236.15	12.19	478.72	-7,435.80	8,015.98	7,749.93	266.04	30.131		
7,000.00	6,857.18	6,844.18	6,844.18	32.19	237.21	13.22	478.72	-7,435.80	7,976.52	7,709.39	267.13	29.860		
7,050.00	6,884.18	6,871.18	6,871.18	32.52	238.15	14.64	478.72	-7,435.80	7,934.83	7,666.72	268.11	29.596		
7,100.00	6,907.81	6,894.81	6,894.81	32.90	239.34	16.59	478.72	-7,435.80	7,891.15	7,621.84	269.31	29.301		
7,150.00	6,927.91	6,914.91	6,914.91	33.32	239.68	19.38	478.72	-7,435.80	7,845.76	7,576.10	269.67	29.094		
7,200.00	6,944.36	6,931.36	6,931.36	33.77	240.25	23.55	478.72	-7,435.80	7,798.94	7,528.69	270.25	28.858		
7,250.00	6,957.05	6,944.05	6,944.05	34.27	240.69	30.23	478.72	-7,435.80	7,750.98	7,480.27	270.70	28.633		
7,300.00	6,965.92	6,952.92	6,952.92	34.80	241.00	41.92	478.72	-7,435.80	7,702.16	7,431.14	271.02	28.419		
7,350.00	6,970.89	6,957.89	6,957.89	35.37	241.18	63.85	478.72	-7,435.80	7,652.80	7,381.60	271.20	28.218		
7,396.89	6,972.00	6,959.00	6,959.00	35.93	241.22	96.15	478.72	-7,435.80	7,606.28	7,335.03	271.25	28.042		
7,400.00	6,971.96	6,958.96	6,958.96	35.97	241.21	96.15	478.72	-7,435.80	7,603.19	7,331.94	271.25	28.030		
7,500.00	6,970.65	6,957.65	6,957.65	37.28	241.17	96.07	478.72	-7,435.80	7,503.95	7,232.71	271.23	27.666		
7,600.00	6,969.33	6,956.33	6,956.33	38.76	241.12	95.99	478.72	-7,435.80	7,404.72	7,133.50	271.23	27.301		
7,700.00	6,968.02	6,955.02	6,955.02	40.39	241.08	95.91	478.72	-7,435.80	7,305.52	7,034.29	271.22	26.935		
7,800.00	6,966.70	6,953.70	6,953.70	42.15	241.03	95.83	478.72	-7,435.80	7,206.33	6,935.10	271.23	26.569		
7,900.00	6,965.39	6,952.39	6,952.39	44.02	240.99	95.75	478.72	-7,435.80	7,107.17	6,835.93	271.24	26.202		
8,000.00	6,964.07	6,951.07	6,951.07	45.99	240.94	95.67	478.72	-7,435.80	7,008.04	6,736.77	271.27	25.835		
8,100.00	6,962.76	6,949.76	6,949.76	48.05	240.89	95.58	478.72	-7,435.80	6,908.92	6,637.63	271.30	25.466		
8,200.00	6,961.45	6,948.45	6,948.45	50.19	240.85	95.50	478.72	-7,435.80	6,809.84	6,538.50	271.34	25.097		
8,300.00	6,960.13	6,947.13	6,947.13	52.39	240.80	95.42	478.72	-7,435.80	6,710.78	6,439.39	271.39	24.728		
8,400.00	6,958.82	6,945.82	6,945.82	54.65	240.76	95.34	478.72	-7,435.80	6,611.75	6,340.30	271.45	24.357		
8,500.00	6,957.50	6,944.50	6,944.50	56.97	240.71	95.26	478.72	-7,435.80	6,512.74	6,241.22	271.52	23.986		
8,600.00	6,956.19	6,943.19	6,943.19	59.33	240.66	95.18	478.72	-7,435.80	6,413.77	6,142.16	271.61	23.614		
8,700.00	6,954.87	6,941.87	6,941.87	61.73	240.62	95.10	478.72	-7,435.80	6,314.83	6,043.13	271.71	23.241		
8,800.00	6,953.56	6,940.56	6,940.56	64.16	240.57	95.02	478.72	-7,435.80	6,215.93	5,944.11	271.82	22.868		
8,900.00	6,952.24	6,939.24	6,939.24	66.63	240.53	94.94	478.72	-7,435.80	6,117.05	5,845.11	271.94	22.494		
9,000.00	6,950.93	6,937.93	6,937.93	69.13	240.48	94.85	478.72	-7,435.80	6,018.22	5,746.14	272.08	22.119		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	6,936.61	6,936.61	71.65	240.43	94.77	478.72	-7,435.80	5,919.43	5,647.18	272.24	21.743		
9,200.00	6,948.30	6,935.30	6,935.30	74.20	240.39	94.69	478.72	-7,435.80	5,820.67	5,548.25	272.42	21.367		
9,300.00	6,946.98	6,933.98	6,933.98	76.77	240.34	94.61	478.72	-7,435.80	5,721.96	5,449.35	272.61	20.989		
9,400.00	6,945.67	6,932.67	6,932.67	79.35	240.30	94.53	478.72	-7,435.80	5,623.30	5,350.47	272.83	20.611		
9,500.00	6,944.35	6,931.35	6,931.35	81.95	240.25	94.45	478.72	-7,435.80	5,524.68	5,251.61	273.06	20.232		
9,600.00	6,943.04	6,930.04	6,930.04	84.57	240.21	94.37	478.72	-7,435.80	5,426.11	5,152.79	273.32	19.852		
9,700.00	6,941.73	6,928.73	6,928.73	87.21	240.16	94.29	478.72	-7,435.80	5,327.59	5,053.99	273.61	19.472		
9,800.00	6,940.41	6,927.41	6,927.41	89.85	240.11	94.20	478.72	-7,435.80	5,229.14	4,955.22	273.91	19.090		
9,900.00	6,939.10	6,926.10	6,926.10	92.51	240.07	94.12	478.72	-7,435.80	5,130.74	4,856.49	274.25	18.708		
10,000.00	6,937.78	6,924.78	6,924.78	95.17	240.02	94.04	478.72	-7,435.80	5,032.40	4,757.78	274.62	18.325		
10,100.00	6,936.47	6,923.47	6,923.47	97.85	239.98	93.96	478.72	-7,435.80	4,934.13	4,659.12	275.01	17.941		
10,200.00	6,935.15	6,922.15	6,922.15	100.54	239.93	93.88	478.72	-7,435.80	4,835.93	4,560.49	275.44	17.557		
10,300.00	6,933.84	6,920.84	6,920.84	103.23	239.88	93.80	478.72	-7,435.80	4,737.81	4,461.89	275.91	17.171		
10,400.00	6,932.52	6,919.52	6,919.52	105.93	239.84	93.72	478.72	-7,435.80	4,639.76	4,363.34	276.42	16.785		
10,500.00	6,931.21	6,918.21	6,918.21	108.64	239.79	93.63	478.72	-7,435.80	4,541.80	4,264.84	276.96	16.398		
10,600.00	6,929.89	6,916.89	6,916.89	111.36	239.75	93.55	478.72	-7,435.80	4,443.93	4,166.38	277.56	16.011		
10,700.00	6,928.58	6,915.58	6,915.58	114.08	239.70	93.47	478.72	-7,435.80	4,346.16	4,067.96	278.19	15.623		
10,800.00	6,927.26	6,914.26	6,914.26	116.81	239.65	93.39	478.72	-7,435.80	4,248.49	3,969.61	278.88	15.234		
10,900.00	6,925.95	6,912.95	6,912.95	119.54	239.61	93.31	478.72	-7,435.80	4,150.93	3,871.30	279.63	14.845		
11,000.00	6,924.64	6,911.64	6,911.64	122.28	239.56	93.23	478.72	-7,435.80	4,053.49	3,773.06	280.43	14.455		
11,100.00	6,923.32	6,910.32	6,910.32	125.02	239.52	93.14	478.72	-7,435.80	3,956.17	3,674.88	281.29	14.064		
11,200.00	6,922.01	6,909.01	6,909.01	127.77	239.47	93.06	478.72	-7,435.80	3,859.00	3,576.78	282.22	13.674		
11,300.00	6,920.69	6,907.69	6,907.69	130.52	239.42	92.98	478.72	-7,435.80	3,761.97	3,478.74	283.23	13.283		
11,400.00	6,919.38	6,906.38	6,906.38	133.28	239.38	92.90	478.72	-7,435.80	3,665.10	3,380.79	284.31	12.891		
11,500.00	6,918.06	6,905.06	6,905.06	136.04	239.33	92.82	478.72	-7,435.80	3,568.40	3,282.93	285.48	12.500		
11,600.00	6,916.75	6,903.75	6,903.75	138.80	239.29	92.74	478.72	-7,435.80	3,471.89	3,185.16	286.73	12.108		
11,700.00	6,915.43	6,902.43	6,902.43	141.56	239.24	92.66	478.72	-7,435.80	3,375.58	3,087.50	288.09	11.717		
11,800.00	6,914.12	6,901.12	6,901.12	144.33	239.20	92.57	478.72	-7,435.80	3,279.50	2,989.95	289.55	11.326		
11,900.00	6,912.80	6,900.20	6,899.80	147.10	239.16	92.49	478.72	-7,435.80	3,183.65	2,892.51	291.14	10.935		
12,000.00	6,911.49	6,901.51	6,898.49	149.88	239.21	92.41	478.72	-7,435.80	3,088.06	2,795.13	292.93	10.542		
12,100.00	6,910.17	6,902.83	6,897.17	152.65	239.26	92.33	478.72	-7,435.80	2,992.77	2,697.91	294.86	10.150		
12,200.00	6,908.86	6,904.14	6,895.86	155.43	239.30	92.25	478.72	-7,435.80	2,897.79	2,600.85	296.94	9.759		
12,300.00	6,907.54	6,905.46	6,894.54	158.21	239.35	92.17	478.72	-7,435.80	2,803.16	2,503.98	299.18	9.370		
12,400.00	6,906.23	6,906.77	6,893.23	160.99	239.39	92.08	478.72	-7,435.80	2,708.91	2,407.32	301.59	8.982		
12,500.00	6,904.92	6,908.09	6,891.92	163.78	239.44	92.00	478.72	-7,435.80	2,615.09	2,310.89	304.20	8.597		
12,600.00	6,903.60	6,909.40	6,890.60	166.57	239.48	91.92	478.72	-7,435.80	2,521.75	2,214.72	307.02	8.214		
12,700.00	6,902.29	6,889.29	6,889.29	169.35	238.78	91.84	478.72	-7,435.80	2,428.93	2,119.60	309.33	7.852		
12,800.00	6,900.97	6,887.97	6,887.97	172.14	238.74	91.76	478.72	-7,435.80	2,336.71	2,024.16	312.54	7.476		
12,900.00	6,899.66	6,886.66	6,886.66	174.94	238.69	91.68	478.72	-7,435.80	2,245.15	1,929.11	316.04	7.104		
13,000.00	6,898.34	6,885.34	6,885.34	177.73	238.64	91.59	478.72	-7,435.80	2,154.34	1,834.49	319.85	6.736		
13,100.00	6,897.03	6,884.03	6,884.03	180.53	238.60	91.51	478.72	-7,435.80	2,064.38	1,740.38	324.00	6.372		
13,200.00	6,895.71	6,882.71	6,882.71	183.32	238.55	91.43	478.72	-7,435.80	1,975.38	1,646.86	328.53	6.013		
13,300.00	6,894.40	6,881.40	6,881.40	186.12	238.51	91.35	478.72	-7,435.80	1,887.49	1,554.02	333.47	5.660		
13,400.00	6,893.08	6,880.08	6,880.08	188.92	238.46	91.27	478.72	-7,435.80	1,800.86	1,461.98	338.88	5.314		
13,500.00	6,891.77	6,878.77	6,878.77	191.72	238.42	91.18	478.72	-7,435.80	1,715.68	1,370.90	344.78	4.976		
13,600.00	6,890.45	6,877.45	6,877.45	194.52	238.37	91.10	478.72	-7,435.80	1,632.18	1,280.94	351.24	4.647		
13,700.00	6,889.14	6,876.14	6,876.14	197.32	238.32	91.02	478.72	-7,435.80	1,550.64	1,192.35	358.30	4.328		
13,800.00	6,887.82	6,874.82	6,874.82	200.13	238.28	90.94	478.72	-7,435.80	1,471.38	1,105.39	365.99	4.020		
13,900.00	6,886.51	6,873.51	6,873.51	202.93	238.23	90.86	478.72	-7,435.80	1,394.78	1,020.43	374.35	3.726		
14,000.00	6,885.20	6,872.20	6,872.20	205.74	238.19	90.78	478.72	-7,435.80	1,321.31	937.92	383.39	3.446		
14,100.00	6,883.88	6,870.88	6,870.88	208.55	238.14	90.69	478.72	-7,435.80	1,251.52	858.43	393.10	3.184		
14,200.00	6,882.57	6,869.57	6,869.57	211.35	238.09	90.61	478.72	-7,435.80	1,186.07	782.66	403.40	2.940		

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 13N-6B-M
<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 13N-6B-M	<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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,881.25	6,868.25	6,868.25	214.16	238.05	90.53	478.72	-7,435.80	1,125.70	711.52	414.17	2.718	
14,400.00	6,879.94	6,866.94	6,866.94	216.97	238.00	90.45	478.72	-7,435.80	1,071.28	646.09	425.18	2.520	
14,500.00	6,878.62	6,865.62	6,865.62	219.78	237.96	90.37	478.72	-7,435.80	1,023.75	587.66	436.09	2.348	
14,600.00	6,877.31	6,864.31	6,864.31	222.59	237.91	90.28	478.72	-7,435.80	984.12	537.68	446.44	2.204	
14,700.00	6,875.99	6,862.99	6,862.99	225.41	237.86	90.20	478.72	-7,435.80	953.38	497.70	455.67	2.092	
14,800.00	6,874.68	6,861.68	6,861.68	228.22	237.82	90.12	478.72	-7,435.80	932.39	469.19	463.20	2.013	
14,900.00	6,873.36	6,860.36	6,860.36	231.03	237.77	90.04	478.72	-7,435.80	921.83	453.34	468.50	1.968	
14,947.91	6,872.73	6,859.73	6,859.73	232.38	237.75	90.00	478.72	-7,435.80	920.59	450.46	470.13	1.958	CC, ES
15,000.00	6,872.05	6,859.05	6,859.05	233.85	237.73	89.96	478.72	-7,435.80	922.06	450.85	471.21	1.957	SF
15,100.00	6,870.73	6,857.73	6,857.73	236.66	237.68	89.88	478.72	-7,435.80	933.06	461.81	471.25	1.980	
15,200.00	6,869.42	6,856.42	6,856.42	239.48	237.64	89.79	478.72	-7,435.80	954.47	485.68	468.80	2.036	
15,300.00	6,868.11	6,855.11	6,855.11	242.29	237.59	89.71	478.72	-7,435.80	985.61	521.37	464.24	2.123	
15,400.00	6,866.79	6,853.79	6,853.79	245.11	237.54	89.63	478.72	-7,435.80	1,025.59	567.50	458.09	2.239	
15,460.11	6,866.00	6,853.00	6,853.00	246.80	237.52	89.58	478.72	-7,435.80	1,053.46	599.62	453.84	2.321	
15,460.74	6,865.99	6,852.99	6,852.99	246.82	237.52	89.58	478.72	-7,435.80	1,053.77	599.97	453.80	2.322	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-85.12	509.65	-5,970.18	5,991.89					
100.00	100.00	135.00	135.00	3.28	4.42	-85.12	509.65	-5,970.18	5,991.89	5,984.18	7.71	777.383		
200.00	200.00	235.00	235.00	3.34	7.24	-85.12	509.65	-5,970.18	5,991.89	5,981.31	10.58	566.311		
300.00	299.98	334.98	334.98	3.44	10.48	175.88	509.65	-5,970.18	5,993.63	5,979.71	13.92	430.645		
400.00	399.84	434.84	434.84	3.60	13.83	175.87	509.65	-5,970.18	5,998.85	5,981.42	17.43	344.203		
500.00	499.45	534.45	534.45	3.80	17.23	175.87	509.65	-5,970.18	6,007.54	5,986.51	21.03	285.659		
584.50	583.35	618.35	618.35	4.01	20.11	175.86	509.65	-5,970.18	6,017.59	5,993.47	24.12	249.496		
600.00	598.71	633.71	633.71	4.05	20.64	175.86	509.65	-5,970.18	6,019.66	5,994.97	24.69	243.798		
700.00	697.81	732.81	732.81	4.33	24.06	175.87	509.65	-5,970.18	6,033.01	6,004.62	28.38	212.552		
800.00	796.91	831.91	831.91	4.64	27.49	175.88	509.65	-5,970.18	6,046.35	6,014.24	32.11	188.278		
900.00	896.01	931.01	931.01	4.98	30.93	175.89	509.65	-5,970.18	6,059.70	6,023.83	35.87	168.918		
1,000.00	995.11	1,030.11	1,030.11	5.34	34.37	175.90	509.65	-5,970.18	6,073.05	6,033.39	39.66	153.141		
1,100.00	1,094.21	1,129.21	1,129.21	5.71	37.82	175.91	509.65	-5,970.18	6,086.40	6,042.94	43.46	140.052		
1,200.00	1,193.31	1,228.31	1,228.31	6.10	41.27	175.92	509.65	-5,970.18	6,099.74	6,052.47	47.27	129.027		
1,300.00	1,292.41	1,327.41	1,327.41	6.49	44.71	175.92	509.65	-5,970.18	6,113.09	6,061.99	51.10	119.621		
1,400.00	1,391.51	1,426.51	1,426.51	6.90	48.17	175.93	509.65	-5,970.18	6,126.44	6,071.50	54.94	111.505		
1,500.00	1,490.61	1,525.61	1,525.61	7.31	51.62	175.94	509.65	-5,970.18	6,139.79	6,081.00	58.79	104.435		
1,600.00	1,589.71	1,624.71	1,624.71	7.73	55.07	175.95	509.65	-5,970.18	6,153.14	6,090.49	62.65	98.221		
1,700.00	1,688.81	1,723.81	1,723.81	8.16	58.52	175.96	509.65	-5,970.18	6,166.48	6,099.98	66.51	92.720		
1,800.00	1,787.92	1,822.92	1,822.92	8.59	61.98	175.97	509.65	-5,970.18	6,179.83	6,109.46	70.37	87.816		
1,900.00	1,887.02	1,922.02	1,922.02	9.02	65.43	175.98	509.65	-5,970.18	6,193.18	6,118.94	74.24	83.418		
2,000.00	1,986.12	2,021.12	2,021.12	9.46	68.89	175.99	509.65	-5,970.18	6,206.53	6,128.41	78.12	79.452		
2,100.00	2,085.22	2,120.22	2,120.22	9.90	72.35	175.99	509.65	-5,970.18	6,219.88	6,137.89	81.99	75.858		
2,200.00	2,184.32	2,219.32	2,219.32	10.34	75.80	176.00	509.65	-5,970.18	6,233.23	6,147.36	85.87	72.585		
2,300.00	2,283.42	2,318.42	2,318.42	10.78	79.26	176.01	509.65	-5,970.18	6,246.58	6,156.82	89.76	69.594		
2,400.00	2,382.52	2,417.52	2,417.52	11.23	82.72	176.02	509.65	-5,970.18	6,259.93	6,166.29	93.64	66.849		
2,500.00	2,481.62	2,516.62	2,516.62	11.68	86.17	176.03	509.65	-5,970.18	6,273.28	6,175.75	97.53	64.322		
2,600.00	2,580.72	2,615.72	2,615.72	12.13	89.63	176.04	509.65	-5,970.18	6,286.63	6,185.21	101.42	61.987		
2,700.00	2,679.82	2,714.82	2,714.82	12.58	93.09	176.05	509.65	-5,970.18	6,299.98	6,194.67	105.31	59.824		
2,800.00	2,778.92	2,813.92	2,813.92	13.03	96.54	176.05	509.65	-5,970.18	6,313.33	6,204.13	109.20	57.814		
2,900.00	2,878.02	2,913.02	2,913.02	13.48	100.00	176.06	509.65	-5,970.18	6,326.68	6,213.59	113.09	55.942		
3,000.00	2,977.12	3,012.12	3,012.12	13.94	103.46	176.07	509.65	-5,970.18	6,340.03	6,223.04	116.99	54.194		
3,100.00	3,076.22	3,111.22	3,111.22	14.39	106.92	176.08	509.65	-5,970.18	6,353.38	6,232.50	120.88	52.559		
3,200.00	3,175.32	3,210.32	3,210.32	14.85	110.38	176.09	509.65	-5,970.18	6,366.73	6,241.95	124.78	51.024		
3,300.00	3,274.43	3,309.43	3,309.43	15.30	113.83	176.10	509.65	-5,970.18	6,380.08	6,251.41	128.67	49.583		
3,400.00	3,373.53	3,408.53	3,408.53	15.76	117.29	176.10	509.65	-5,970.18	6,393.43	6,260.86	132.57	48.226		
3,500.00	3,472.63	3,507.63	3,507.63	16.22	120.75	176.11	509.65	-5,970.18	6,406.78	6,270.31	136.47	46.946		
3,600.00	3,571.73	3,606.73	3,606.73	16.68	124.21	176.12	509.65	-5,970.18	6,420.13	6,279.76	140.37	45.737		
3,700.00	3,670.83	3,705.83	3,705.83	17.14	127.67	176.13	509.65	-5,970.18	6,433.49	6,289.22	144.27	44.593		
3,800.00	3,769.93	3,804.93	3,804.93	17.59	131.13	176.14	509.65	-5,970.18	6,446.84	6,298.67	148.17	43.510		
3,900.00	3,869.03	3,904.03	3,904.03	18.05	134.58	176.14	509.65	-5,970.18	6,460.19	6,308.12	152.07	42.481		
4,000.00	3,968.13	4,003.13	4,003.13	18.51	138.04	176.15	509.65	-5,970.18	6,473.54	6,317.57	155.97	41.505		
4,100.00	4,067.23	4,102.23	4,102.23	18.98	141.50	176.16	509.65	-5,970.18	6,486.89	6,327.02	159.87	40.575		
4,200.00	4,166.33	4,201.33	4,201.33	19.44	144.96	176.17	509.65	-5,970.18	6,500.24	6,336.47	163.78	39.690		
4,300.00	4,265.43	4,300.43	4,300.43	19.90	148.42	176.18	509.65	-5,970.18	6,513.60	6,345.92	167.68	38.846		
4,400.00	4,364.53	4,400.47	4,399.53	20.36	151.91	176.18	509.65	-5,970.18	6,526.95	6,355.33	171.61	38.033		
4,500.00	4,463.63	4,501.37	4,498.63	20.82	155.43	176.19	509.65	-5,970.18	6,540.30	6,364.72	175.58	37.250		
4,600.00	4,562.73	4,602.27	4,597.73	21.28	158.95	176.20	509.65	-5,970.18	6,553.65	6,374.11	179.55	36.501		
4,700.00	4,661.83	4,703.17	4,696.83	21.75	162.48	176.21	509.65	-5,970.18	6,567.00	6,383.49	183.51	35.785		
4,800.00	4,760.93	4,804.07	4,795.93	22.21	166.00	176.21	509.65	-5,970.18	6,580.36	6,392.88	187.48	35.099		
4,900.00	4,860.04	4,904.96	4,895.04	22.67	169.52	176.22	509.65	-5,970.18	6,593.71	6,402.26	191.45	34.442		
5,000.00	4,959.14	5,005.86	4,994.14	23.13	173.04	176.23	509.65	-5,970.18	6,607.06	6,411.65	195.41	33.811		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,106.76	5,093.24	23.60	176.56	176.24	509.65	-5,970.18	6,620.42	6,421.03	199.38	33.205		
5,200.00	5,157.34	5,207.66	5,192.34	24.06	180.08	176.24	509.65	-5,970.18	6,633.77	6,430.42	203.35	32.623		
5,300.00	5,256.44	5,308.56	5,291.44	24.52	183.61	176.25	509.65	-5,970.18	6,647.12	6,439.81	207.32	32.063		
5,400.00	5,355.54	5,409.46	5,390.54	24.99	187.13	176.26	509.65	-5,970.18	6,660.48	6,449.19	211.29	31.524		
5,500.00	5,454.64	5,489.64	5,489.64	25.45	189.93	176.27	509.65	-5,970.18	6,673.83	6,459.30	214.53	31.109		
5,600.00	5,553.74	5,588.74	5,588.74	25.92	193.39	176.27	509.65	-5,970.18	6,687.18	6,468.75	218.44	30.614		
5,700.00	5,652.84	5,687.84	5,687.84	26.38	196.84	176.28	509.65	-5,970.18	6,700.54	6,478.19	222.34	30.136		
5,800.00	5,751.94	5,786.94	5,786.94	26.84	200.30	176.29	509.65	-5,970.18	6,713.89	6,487.64	226.25	29.675		
5,900.00	5,851.04	5,886.04	5,886.04	27.31	203.76	176.30	509.65	-5,970.18	6,727.24	6,497.09	230.15	29.229		
6,000.00	5,950.14	5,985.14	5,985.14	27.77	207.22	176.30	509.65	-5,970.18	6,740.60	6,506.54	234.06	28.799		
6,100.00	6,049.24	6,084.24	6,084.24	28.24	210.68	176.31	509.65	-5,970.18	6,753.95	6,515.98	237.97	28.382		
6,200.00	6,148.34	6,183.34	6,183.34	28.70	214.14	176.32	509.65	-5,970.18	6,767.31	6,525.43	241.87	27.979		
6,304.69	6,252.09	6,287.09	6,287.09	29.19	217.76	176.33	509.65	-5,970.18	6,781.29	6,535.32	245.96	27.570		
6,350.00	6,297.17	6,332.17	6,332.17	29.39	219.34	164.21	509.65	-5,970.18	6,785.75	6,538.01	247.74	27.391		
6,400.00	6,347.13	6,382.13	6,382.13	29.59	221.08	62.76	509.65	-5,970.18	6,786.97	6,537.29	249.68	27.182		
6,450.00	6,397.02	6,432.02	6,432.02	29.78	222.82	22.63	509.65	-5,970.18	6,784.30	6,532.69	251.61	26.964		
6,500.00	6,446.53	6,481.53	6,481.53	29.96	224.55	16.12	509.65	-5,970.18	6,777.76	6,524.25	253.51	26.736		
6,550.00	6,495.35	6,530.35	6,530.35	30.14	226.25	13.69	509.65	-5,970.18	6,767.38	6,512.01	255.37	26.500		
6,600.00	6,543.19	6,578.19	6,578.19	30.33	227.92	12.55	509.65	-5,970.18	6,753.24	6,496.05	257.19	26.258		
6,650.00	6,589.76	6,624.76	6,624.76	30.52	229.55	11.99	509.65	-5,970.18	6,735.41	6,476.47	258.94	26.011		
6,700.00	6,634.75	6,669.75	6,669.75	30.71	231.12	11.78	509.65	-5,970.18	6,714.01	6,453.39	260.63	25.761		
6,750.00	6,677.90	6,712.90	6,712.90	30.91	232.63	11.82	509.65	-5,970.18	6,689.18	6,426.95	262.24	25.508		
6,800.00	6,718.94	6,753.94	6,753.94	31.13	234.06	12.07	509.65	-5,970.18	6,661.06	6,397.31	263.75	25.255		
6,850.00	6,757.62	6,807.38	6,792.62	31.36	235.92	12.52	509.65	-5,970.18	6,629.84	6,364.14	265.69	24.953		
6,900.00	6,793.70	6,828.70	6,828.70	31.61	236.67	13.19	509.65	-5,970.18	6,595.70	6,329.20	266.50	24.749		
6,950.00	6,826.95	6,861.95	6,861.95	31.88	237.83	14.12	509.65	-5,970.18	6,558.85	6,291.14	267.71	24.500		
7,000.00	6,857.18	6,907.82	6,892.18	32.19	239.43	15.37	509.65	-5,970.18	6,519.53	6,250.18	269.35	24.205		
7,050.00	6,884.18	6,919.18	6,919.18	32.52	239.83	17.06	509.65	-5,970.18	6,477.97	6,208.19	269.78	24.012		
7,100.00	6,907.81	6,942.81	6,942.81	32.90	240.65	19.38	509.65	-5,970.18	6,434.44	6,163.81	270.62	23.776		
7,150.00	6,927.91	6,962.91	6,962.91	33.32	241.35	22.64	509.65	-5,970.18	6,389.20	6,117.85	271.34	23.547		
7,200.00	6,944.36	6,979.36	6,979.36	33.77	241.93	27.42	509.65	-5,970.18	6,342.53	6,070.60	271.93	23.324		
7,250.00	6,957.05	7,007.95	6,992.05	34.27	242.92	34.86	509.65	-5,970.18	6,294.72	6,021.78	272.94	23.063		
7,300.00	6,965.92	7,000.92	7,000.92	34.80	242.68	47.14	509.65	-5,970.18	6,246.07	5,973.36	272.70	22.904		
7,350.00	6,970.89	7,005.89	7,005.89	35.37	242.85	67.84	509.65	-5,970.18	6,196.87	5,923.98	272.89	22.708		
7,396.89	6,972.00	7,007.00	7,007.00	35.93	242.89	95.09	509.65	-5,970.18	6,150.51	5,877.56	272.94	22.534		
7,400.00	6,971.96	7,006.96	7,006.96	35.97	242.89	95.09	509.65	-5,970.18	6,147.43	5,874.49	272.94	22.523		
7,500.00	6,970.65	7,005.65	7,005.65	37.28	242.84	95.00	509.65	-5,970.18	6,048.53	5,775.59	272.94	22.160		
7,600.00	6,969.33	7,004.33	7,004.33	38.76	242.80	94.92	509.65	-5,970.18	5,949.67	5,676.72	272.95	21.798		
7,700.00	6,968.02	7,003.02	7,003.02	40.39	242.75	94.84	509.65	-5,970.18	5,850.84	5,577.87	272.97	21.434		
7,800.00	6,966.70	7,001.70	7,001.70	42.15	242.71	94.75	509.65	-5,970.18	5,752.06	5,479.06	273.00	21.070		
7,900.00	6,965.39	7,000.39	7,000.39	44.02	242.66	94.67	509.65	-5,970.18	5,653.31	5,380.27	273.04	20.705		
8,000.00	6,964.07	7,000.93	6,999.07	45.99	242.68	94.59	509.65	-5,970.18	5,554.61	5,281.46	273.16	20.335		
8,100.00	6,962.76	7,002.24	6,997.76	48.05	242.73	94.50	509.65	-5,970.18	5,455.96	5,182.64	273.32	19.962		
8,200.00	6,961.45	7,003.56	6,996.45	50.19	242.77	94.42	509.65	-5,970.18	5,357.36	5,083.87	273.49	19.589		
8,300.00	6,960.13	7,004.87	6,995.13	52.39	242.82	94.34	509.65	-5,970.18	5,258.81	4,985.12	273.68	19.215		
8,400.00	6,958.82	7,006.18	6,993.82	54.65	242.86	94.25	509.65	-5,970.18	5,160.31	4,886.42	273.89	18.841		
8,500.00	6,957.50	7,007.50	6,992.50	56.97	242.91	94.17	509.65	-5,970.18	5,061.88	4,787.75	274.12	18.466		
8,600.00	6,956.19	7,008.81	6,991.19	59.33	242.95	94.09	509.65	-5,970.18	4,963.51	4,689.13	274.38	18.090		
8,700.00	6,954.87	6,989.87	6,989.87	61.73	242.99	94.00	509.65	-5,970.18	4,865.20	4,591.26	273.94	17.760		
8,800.00	6,953.56	6,988.56	6,988.56	64.16	242.25	93.92	509.65	-5,970.18	4,766.96	4,492.81	274.15	17.388		
8,900.00	6,952.24	6,987.24	6,987.24	66.63	242.20	93.84	509.65	-5,970.18	4,668.80	4,394.42	274.38	17.016		
9,000.00	6,950.93	6,985.93	6,985.93	69.13	242.16	93.75	509.65	-5,970.18	4,570.71	4,296.07	274.64	16.642		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	6,984.61	6,984.61	71.65	242.11	93.67	509.65	-5,970.18	4,472.72	4,197.78	274.94	16.268		
9,200.00	6,948.30	6,983.30	6,983.30	74.20	242.06	93.59	509.65	-5,970.18	4,374.81	4,099.54	275.26	15.893		
9,300.00	6,946.98	6,981.98	6,981.98	76.77	242.02	93.50	509.65	-5,970.18	4,276.99	4,001.37	275.63	15.517		
9,400.00	6,945.67	6,980.67	6,980.67	79.35	241.97	93.42	509.65	-5,970.18	4,179.28	3,903.25	276.03	15.141		
9,500.00	6,944.35	6,979.35	6,979.35	81.95	241.93	93.34	509.65	-5,970.18	4,081.69	3,805.21	276.48	14.763		
9,600.00	6,943.04	6,978.04	6,978.04	84.57	241.88	93.25	509.65	-5,970.18	3,984.21	3,707.23	276.97	14.385		
9,700.00	6,941.73	6,976.73	6,976.73	87.21	241.83	93.17	509.65	-5,970.18	3,886.85	3,609.34	277.52	14.006		
9,800.00	6,940.41	6,975.41	6,975.41	89.85	241.79	93.08	509.65	-5,970.18	3,789.64	3,511.52	278.11	13.626		
9,900.00	6,939.10	6,974.10	6,974.10	92.51	241.74	93.00	509.65	-5,970.18	3,692.57	3,413.80	278.77	13.246		
10,000.00	6,937.78	6,972.78	6,972.78	95.17	241.70	92.92	509.65	-5,970.18	3,595.66	3,316.17	279.50	12.865		
10,100.00	6,936.47	6,971.47	6,971.47	97.85	241.65	92.83	509.65	-5,970.18	3,498.93	3,218.64	280.29	12.483		
10,200.00	6,935.15	6,970.15	6,970.15	100.54	241.61	92.75	509.65	-5,970.18	3,402.39	3,121.22	281.16	12.101		
10,300.00	6,933.84	6,968.84	6,968.84	103.23	241.56	92.67	509.65	-5,970.18	3,306.05	3,023.93	282.12	11.719		
10,400.00	6,932.52	6,967.52	6,967.52	105.93	241.51	92.58	509.65	-5,970.18	3,209.93	2,926.76	283.16	11.336		
10,500.00	6,931.21	6,966.21	6,966.21	108.64	241.47	92.50	509.65	-5,970.18	3,114.06	2,829.75	284.31	10.953		
10,600.00	6,929.89	6,964.89	6,964.89	111.36	241.42	92.42	509.65	-5,970.18	3,018.45	2,732.89	285.56	10.570		
10,700.00	6,928.58	6,963.58	6,963.58	114.08	241.38	92.33	509.65	-5,970.18	2,923.14	2,636.21	286.93	10.187		
10,800.00	6,927.26	6,962.26	6,962.26	116.81	241.33	92.25	509.65	-5,970.18	2,828.15	2,539.72	288.44	9.805		
10,900.00	6,925.95	6,960.95	6,960.95	119.54	241.28	92.16	509.65	-5,970.18	2,733.52	2,443.44	290.08	9.423		
11,000.00	6,924.64	6,959.64	6,959.64	122.28	241.24	92.08	509.65	-5,970.18	2,639.28	2,347.40	291.88	9.042		
11,100.00	6,923.32	6,958.32	6,958.32	125.02	241.19	92.00	509.65	-5,970.18	2,545.48	2,251.64	293.85	8.663		
11,200.00	6,922.01	6,957.01	6,957.01	127.77	241.15	91.91	509.65	-5,970.18	2,452.18	2,156.17	296.01	8.284		
11,300.00	6,920.69	6,955.69	6,955.69	130.52	241.10	91.83	509.65	-5,970.18	2,359.42	2,061.05	298.37	7.908		
11,400.00	6,919.38	6,954.38	6,954.38	133.28	241.05	91.75	509.65	-5,970.18	2,267.27	1,966.31	300.96	7.533		
11,500.00	6,918.06	6,953.06	6,953.06	136.04	241.01	91.66	509.65	-5,970.18	2,175.82	1,872.01	303.81	7.162		
11,600.00	6,916.75	6,951.75	6,951.75	138.80	240.96	91.58	509.65	-5,970.18	2,085.15	1,778.21	306.94	6.793		
11,700.00	6,915.43	6,950.43	6,950.43	141.56	240.92	91.49	509.65	-5,970.18	1,995.37	1,685.00	310.37	6.429		
11,800.00	6,914.12	6,949.12	6,949.12	144.33	240.87	91.41	509.65	-5,970.18	1,906.61	1,592.47	314.15	6.069		
11,900.00	6,912.80	6,947.80	6,947.80	147.10	240.83	91.33	509.65	-5,970.18	1,819.02	1,500.72	318.30	5.715		
12,000.00	6,911.49	6,946.49	6,946.49	149.88	240.78	91.24	509.65	-5,970.18	1,732.77	1,409.89	322.88	5.367		
12,100.00	6,910.17	6,945.17	6,945.17	152.65	240.73	91.16	509.65	-5,970.18	1,648.07	1,320.16	327.91	5.026		
12,200.00	6,908.86	6,943.86	6,943.86	155.43	240.69	91.08	509.65	-5,970.18	1,565.18	1,231.73	333.44	4.694		
12,300.00	6,907.54	6,942.54	6,942.54	158.21	240.64	90.99	509.65	-5,970.18	1,484.39	1,144.87	339.52	4.372		
12,400.00	6,906.23	6,941.23	6,941.23	160.99	240.60	90.91	509.65	-5,970.18	1,406.08	1,059.89	346.19	4.062		
12,500.00	6,904.92	6,939.92	6,939.92	163.78	240.55	90.82	509.65	-5,970.18	1,330.67	977.22	353.46	3.765		
12,600.00	6,903.60	6,938.60	6,938.60	166.57	240.50	90.74	509.65	-5,970.18	1,258.70	897.36	361.34	3.483		
12,700.00	6,902.29	6,937.29	6,937.29	169.35	240.46	90.66	509.65	-5,970.18	1,190.78	820.96	369.82	3.220		
12,800.00	6,900.97	6,935.97	6,935.97	172.14	240.41	90.57	509.65	-5,970.18	1,127.64	748.84	378.80	2.977		
12,900.00	6,899.66	6,934.66	6,934.66	174.94	240.37	90.49	509.65	-5,970.18	1,070.14	681.99	388.15	2.757		
13,000.00	6,898.34	6,933.34	6,933.34	177.73	240.32	90.40	509.65	-5,970.18	1,019.22	621.61	397.61	2.563		
13,100.00	6,897.03	6,932.03	6,932.03	180.53	240.27	90.32	509.65	-5,970.18	975.92	569.09	406.84	2.399		
13,200.00	6,895.71	6,930.71	6,930.71	183.32	240.23	90.24	509.65	-5,970.18	941.29	525.92	415.37	2.266		
13,300.00	6,894.40	6,929.40	6,929.40	186.12	240.18	90.15	509.65	-5,970.18	916.32	493.63	422.69	2.168		
13,400.00	6,893.08	6,928.08	6,928.08	188.92	240.14	90.07	509.65	-5,970.18	901.80	473.51	428.29	2.106		
13,482.01	6,892.01	6,927.01	6,927.01	191.22	240.10	90.00	509.65	-5,970.18	898.06	466.75	431.31	2.082 CC		
13,500.00	6,891.77	6,926.77	6,926.77	191.72	240.09	89.98	509.65	-5,970.18	898.24	466.47	431.77	2.080 ES, SF		
13,600.00	6,890.45	6,925.45	6,925.45	194.52	240.04	89.90	509.65	-5,970.18	905.78	472.81	432.97	2.092		
13,700.00	6,889.14	6,924.14	6,924.14	197.32	240.00	89.82	509.65	-5,970.18	924.14	492.21	431.93	2.140		
13,800.00	6,887.82	6,922.82	6,922.82	200.13	239.95	89.73	509.65	-5,970.18	952.69	523.75	428.94	2.221		
13,900.00	6,886.51	6,921.51	6,921.51	202.93	239.91	89.65	509.65	-5,970.18	990.56	566.12	424.44	2.334		
14,000.00	6,885.20	6,920.20	6,920.20	205.74	239.86	89.57	509.65	-5,970.18	1,036.72	617.85	418.87	2.475		
14,100.00	6,883.88	6,918.88	6,918.88	208.55	239.82	89.48	509.65	-5,970.18	1,090.12	677.46	412.66	2.642		

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 13N-6B-M
<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 13N-6B-M	<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 - REICHERT #1-6 - 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
14,200.00	6,882.57	6,917.57	6,917.57	211.35	239.77	89.40	509.65	-5,970.18	1,149.76	743.59	406.17	2.831	
14,300.00	6,881.25	6,916.25	6,916.25	214.16	239.72	89.31	509.65	-5,970.18	1,214.71	815.06	399.65	3.039	
14,400.00	6,879.94	6,914.94	6,914.94	216.97	239.68	89.23	509.65	-5,970.18	1,284.17	890.88	393.29	3.265	
14,500.00	6,878.62	6,913.62	6,913.62	219.78	239.63	89.15	509.65	-5,970.18	1,357.44	970.25	387.19	3.506	
14,600.00	6,877.31	6,912.31	6,912.31	222.59	239.59	89.06	509.65	-5,970.18	1,433.95	1,052.53	381.42	3.759	
14,700.00	6,875.99	6,910.99	6,910.99	225.41	239.54	88.98	509.65	-5,970.18	1,513.20	1,137.18	376.02	4.024	
14,800.00	6,874.68	6,909.68	6,909.68	228.22	239.49	88.89	509.65	-5,970.18	1,594.78	1,223.80	370.98	4.299	
14,900.00	6,873.36	6,908.36	6,908.36	231.03	239.45	88.81	509.65	-5,970.18	1,678.35	1,312.05	366.30	4.582	
15,000.00	6,872.05	6,907.05	6,907.05	233.85	239.40	88.73	509.65	-5,970.18	1,763.64	1,401.67	361.97	4.872	
15,100.00	6,870.73	6,905.73	6,905.73	236.66	239.36	88.64	509.65	-5,970.18	1,850.40	1,492.44	357.96	5.169	
15,200.00	6,869.42	6,904.42	6,904.42	239.48	239.31	88.56	509.65	-5,970.18	1,938.43	1,584.18	354.25	5.472	
15,300.00	6,868.11	6,903.11	6,903.11	242.29	239.26	88.48	509.65	-5,970.18	2,027.57	1,676.75	350.82	5.780	
15,400.00	6,866.79	6,901.79	6,901.79	245.11	239.22	88.39	509.65	-5,970.18	2,117.68	1,770.05	347.64	6.092	
15,460.11	6,866.00	6,901.00	6,901.00	246.80	239.19	88.34	509.65	-5,970.18	2,172.27	1,826.43	345.84	6.281	
15,460.74	6,865.99	6,900.99	6,900.99	246.82	239.19	88.34	509.65	-5,970.18	2,172.83	1,827.02	345.82	6.283	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-96.95	-1,046.60	-8,580.43	8,644.02					
100.00	100.00	133.00	133.00	3.28	4.38	-96.95	-1,046.60	-8,580.43	8,644.02	8,636.36	7.66	1,128.281		
200.00	200.00	233.00	233.00	3.34	7.18	-96.95	-1,046.60	-8,580.43	8,644.02	8,633.50	10.52	821.801		
300.00	299.98	332.98	332.98	3.44	10.41	164.04	-1,046.60	-8,580.43	8,645.70	8,631.85	13.85	624.171		
400.00	399.84	432.84	432.84	3.60	13.76	164.02	-1,046.60	-8,580.43	8,650.73	8,633.37	17.36	498.306		
500.00	499.45	532.45	532.45	3.80	17.16	163.99	-1,046.60	-8,580.43	8,659.11	8,638.15	20.96	413.087		
584.50	583.35	616.35	616.35	4.01	20.04	163.96	-1,046.60	-8,580.43	8,668.80	8,644.75	24.05	360.440		
600.00	598.71	631.71	631.71	4.05	20.57	163.96	-1,046.60	-8,580.43	8,670.79	8,646.17	24.62	352.147		
700.00	697.81	730.81	730.81	4.33	23.99	163.98	-1,046.60	-8,580.43	8,683.66	8,655.34	28.32	306.662		
800.00	796.91	829.91	829.91	4.64	27.42	164.01	-1,046.60	-8,580.43	8,696.53	8,664.48	32.05	271.353		
900.00	896.01	929.01	929.01	4.98	30.86	164.03	-1,046.60	-8,580.43	8,709.41	8,673.59	35.81	243.208		
1,000.00	995.11	1,028.11	1,028.11	5.34	34.30	164.06	-1,046.60	-8,580.43	8,722.28	8,682.68	39.60	220.283		
1,100.00	1,094.21	1,127.21	1,127.21	5.71	37.75	164.08	-1,046.60	-8,580.43	8,735.16	8,691.76	43.40	201.272		
1,200.00	1,193.31	1,226.31	1,226.31	6.10	41.20	164.10	-1,046.60	-8,580.43	8,748.03	8,700.81	47.22	185.266		
1,300.00	1,292.41	1,325.41	1,325.41	6.49	44.65	164.13	-1,046.60	-8,580.43	8,760.91	8,709.86	51.05	171.613		
1,400.00	1,391.51	1,424.51	1,424.51	6.90	48.10	164.15	-1,046.60	-8,580.43	8,773.79	8,718.90	54.89	159.837		
1,500.00	1,490.61	1,523.61	1,523.61	7.31	51.55	164.18	-1,046.60	-8,580.43	8,786.68	8,727.93	58.74	149.580		
1,600.00	1,589.71	1,622.71	1,622.71	7.73	55.00	164.20	-1,046.60	-8,580.43	8,799.56	8,736.96	62.60	140.569		
1,700.00	1,688.81	1,721.81	1,721.81	8.16	58.46	164.22	-1,046.60	-8,580.43	8,812.44	8,745.98	66.46	132.592		
1,800.00	1,787.92	1,820.92	1,820.92	8.59	61.91	164.25	-1,046.60	-8,580.43	8,825.33	8,755.00	70.33	125.482		
1,900.00	1,887.02	1,920.02	1,920.02	9.02	65.36	164.27	-1,046.60	-8,580.43	8,838.22	8,764.01	74.20	119.107		
2,000.00	1,986.12	2,019.12	2,019.12	9.46	68.82	164.29	-1,046.60	-8,580.43	8,851.11	8,773.03	78.08	113.358		
2,100.00	2,085.22	2,118.22	2,118.22	9.90	72.28	164.32	-1,046.60	-8,580.43	8,864.00	8,782.04	81.96	108.149		
2,200.00	2,184.32	2,217.32	2,217.32	10.34	75.73	164.34	-1,046.60	-8,580.43	8,876.89	8,791.05	85.84	103.408		
2,300.00	2,283.42	2,316.42	2,316.42	10.78	79.19	164.36	-1,046.60	-8,580.43	8,889.78	8,800.06	89.73	99.074		
2,400.00	2,382.52	2,415.52	2,415.52	11.23	82.65	164.39	-1,046.60	-8,580.43	8,902.68	8,809.06	93.62	95.098		
2,500.00	2,481.62	2,514.62	2,514.62	11.68	86.10	164.41	-1,046.60	-8,580.43	8,915.58	8,818.07	97.51	91.436		
2,600.00	2,580.72	2,613.72	2,613.72	12.13	89.56	164.43	-1,046.60	-8,580.43	8,928.47	8,827.08	101.40	88.055		
2,700.00	2,679.82	2,712.82	2,712.82	12.58	93.02	164.46	-1,046.60	-8,580.43	8,941.37	8,836.08	105.29	84.922		
2,800.00	2,778.92	2,811.92	2,811.92	13.03	96.47	164.48	-1,046.60	-8,580.43	8,954.28	8,845.09	109.18	82.011		
2,900.00	2,878.02	2,911.02	2,911.02	13.48	99.93	164.50	-1,046.60	-8,580.43	8,967.18	8,854.10	113.08	79.300		
3,000.00	2,977.12	3,010.12	3,010.12	13.94	103.39	164.53	-1,046.60	-8,580.43	8,980.08	8,863.11	116.98	76.769		
3,100.00	3,076.22	3,109.22	3,109.22	14.39	106.85	164.55	-1,046.60	-8,580.43	8,992.99	8,872.11	120.87	74.400		
3,200.00	3,175.32	3,208.32	3,208.32	14.85	110.31	164.57	-1,046.60	-8,580.43	9,005.89	8,881.12	124.77	72.179		
3,300.00	3,274.43	3,307.43	3,307.43	15.30	113.76	164.59	-1,046.60	-8,580.43	9,018.80	8,890.13	128.67	70.092		
3,400.00	3,373.53	3,406.53	3,406.53	15.76	117.22	164.62	-1,046.60	-8,580.43	9,031.71	8,899.14	132.57	68.127		
3,500.00	3,472.63	3,505.63	3,505.63	16.22	120.68	164.64	-1,046.60	-8,580.43	9,044.62	8,908.15	136.47	66.275		
3,600.00	3,571.73	3,604.73	3,604.73	16.68	124.14	164.66	-1,046.60	-8,580.43	9,057.53	8,917.16	140.37	64.525		
3,700.00	3,670.83	3,703.83	3,703.83	17.14	127.60	164.68	-1,046.60	-8,580.43	9,070.45	8,926.17	144.28	62.869		
3,800.00	3,769.93	3,802.93	3,802.93	17.59	131.06	164.71	-1,046.60	-8,580.43	9,083.36	8,935.18	148.18	61.300		
3,900.00	3,869.03	3,902.03	3,902.03	18.05	134.51	164.73	-1,046.60	-8,580.43	9,096.28	8,944.20	152.08	59.812		
4,000.00	3,968.13	4,001.13	4,001.13	18.51	137.97	164.75	-1,046.60	-8,580.43	9,109.19	8,953.21	155.98	58.398		
4,100.00	4,067.23	4,100.23	4,100.23	18.98	141.43	164.77	-1,046.60	-8,580.43	9,122.11	8,962.23	159.89	57.053		
4,200.00	4,166.33	4,200.67	4,199.33	19.44	144.94	164.79	-1,046.60	-8,580.43	9,135.03	8,971.19	163.84	55.756		
4,300.00	4,265.43	4,301.57	4,298.43	19.90	148.46	164.82	-1,046.60	-8,580.43	9,147.95	8,980.15	167.81	54.515		
4,400.00	4,364.53	4,402.47	4,397.53	20.36	151.98	164.84	-1,046.60	-8,580.43	9,160.88	8,989.10	171.77	53.331		
4,500.00	4,463.63	4,503.37	4,496.63	20.82	155.50	164.86	-1,046.60	-8,580.43	9,173.80	8,998.06	175.74	52.200		
4,600.00	4,562.73	4,604.27	4,595.73	21.28	159.02	164.88	-1,046.60	-8,580.43	9,186.73	9,007.02	179.71	51.119		
4,700.00	4,661.83	4,705.17	4,694.83	21.75	162.55	164.90	-1,046.60	-8,580.43	9,199.65	9,015.97	183.68	50.085		
4,800.00	4,760.93	4,806.07	4,793.93	22.21	166.07	164.92	-1,046.60	-8,580.43	9,212.58	9,024.93	187.65	49.095		
4,900.00	4,860.04	4,906.96	4,893.04	22.67	169.59	164.95	-1,046.60	-8,580.43	9,225.51	9,033.89	191.62	48.145		
5,000.00	4,959.14	5,007.86	4,992.14	23.13	173.11	164.97	-1,046.60	-8,580.43	9,238.44	9,042.85	195.59	47.234		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,108.76	5,091.24	23.60	176.63	164.99	-1,046.60	-8,580.43	9,251.37	9,051.82	199.56	46.359		
5,200.00	5,157.34	5,209.66	5,190.34	24.06	180.15	165.01	-1,046.60	-8,580.43	9,264.31	9,060.78	203.53	45.519		
5,300.00	5,256.44	5,289.44	5,289.44	24.52	182.94	165.03	-1,046.60	-8,580.43	9,277.24	9,070.48	206.76	44.869		
5,400.00	5,355.54	5,388.54	5,388.54	24.99	186.40	165.05	-1,046.60	-8,580.43	9,290.18	9,079.51	210.67	44.099		
5,500.00	5,454.64	5,487.64	5,487.64	25.45	189.86	165.07	-1,046.60	-8,580.43	9,303.11	9,088.54	214.58	43.356		
5,600.00	5,553.74	5,586.74	5,586.74	25.92	193.32	165.10	-1,046.60	-8,580.43	9,316.05	9,097.57	218.48	42.639		
5,700.00	5,652.84	5,685.84	5,685.84	26.38	196.77	165.12	-1,046.60	-8,580.43	9,328.99	9,106.60	222.39	41.948		
5,800.00	5,751.94	5,784.94	5,784.94	26.84	200.23	165.14	-1,046.60	-8,580.43	9,341.93	9,115.63	226.30	41.281		
5,900.00	5,851.04	5,884.04	5,884.04	27.31	203.69	165.16	-1,046.60	-8,580.43	9,354.87	9,124.66	230.21	40.636		
6,000.00	5,950.14	5,983.14	5,983.14	27.77	207.15	165.18	-1,046.60	-8,580.43	9,367.82	9,133.70	234.12	40.013		
6,100.00	6,049.24	6,082.24	6,082.24	28.24	210.61	165.20	-1,046.60	-8,580.43	9,380.76	9,142.74	238.03	39.411		
6,200.00	6,148.34	6,181.34	6,181.34	28.70	214.07	165.22	-1,046.60	-8,580.43	9,393.71	9,151.77	241.93	38.827		
6,304.69	6,252.09	6,285.09	6,285.09	29.19	217.69	165.24	-1,046.60	-8,580.43	9,407.26	9,161.23	246.03	38.237		
6,350.00	6,297.17	6,330.17	6,330.17	29.39	219.27	153.21	-1,046.60	-8,580.43	9,411.53	9,163.73	247.80	37.980		
6,400.00	6,347.13	6,380.13	6,380.13	29.59	221.01	51.77	-1,046.60	-8,580.43	9,412.51	9,162.76	249.75	37.688		
6,450.00	6,397.02	6,430.02	6,430.02	29.78	222.75	11.59	-1,046.60	-8,580.43	9,409.57	9,157.90	251.67	37.388		
6,500.00	6,446.53	6,479.53	6,479.53	29.96	224.48	4.95	-1,046.60	-8,580.43	9,402.74	9,149.16	253.57	37.081		
6,550.00	6,495.35	6,528.35	6,528.35	30.14	226.18	2.32	-1,046.60	-8,580.43	9,392.04	9,136.61	255.43	36.769		
6,600.00	6,543.19	6,576.19	6,576.19	30.33	227.85	0.87	-1,046.60	-8,580.43	9,377.56	9,120.31	257.25	36.453		
6,650.00	6,589.76	6,622.76	6,622.76	30.52	229.48	-0.07	-1,046.60	-8,580.43	9,359.38	9,100.37	259.00	36.136		
6,700.00	6,634.75	6,667.75	6,667.75	30.71	231.05	-0.78	-1,046.60	-8,580.43	9,337.60	9,076.91	260.69	35.819		
6,750.00	6,677.90	6,710.90	6,710.90	30.91	232.56	-1.37	-1,046.60	-8,580.43	9,312.37	9,050.07	262.30	35.503		
6,800.00	6,718.94	6,751.94	6,751.94	31.13	233.99	-1.90	-1,046.60	-8,580.43	9,283.85	9,020.02	263.82	35.190		
6,850.00	6,757.62	6,809.38	6,790.62	31.36	235.99	-2.43	-1,046.60	-8,580.43	9,252.19	8,986.29	265.90	34.795		
6,900.00	6,793.70	6,826.70	6,826.70	31.61	236.60	-2.98	-1,046.60	-8,580.43	9,217.61	8,951.04	266.57	34.579		
6,950.00	6,826.95	6,859.95	6,859.95	31.88	237.76	-3.60	-1,046.60	-8,580.43	9,180.32	8,912.54	267.78	34.283		
7,000.00	6,857.18	6,909.82	6,890.18	32.19	239.50	-4.33	-1,046.60	-8,580.43	9,140.54	8,870.98	269.56	33.909		
7,050.00	6,884.18	6,917.18	6,917.18	32.52	239.76	-5.24	-1,046.60	-8,580.43	9,098.52	8,828.67	269.85	33.717		
7,100.00	6,907.81	6,940.81	6,940.81	32.90	240.58	-6.43	-1,046.60	-8,580.43	9,054.52	8,783.82	270.69	33.449		
7,150.00	6,927.91	6,960.91	6,960.91	33.32	241.28	-8.10	-1,046.60	-8,580.43	9,008.81	8,737.40	271.41	33.193		
7,200.00	6,944.36	6,977.36	6,977.36	33.77	241.86	-10.60	-1,046.60	-8,580.43	8,961.67	8,689.68	271.99	32.949		
7,250.00	6,957.05	7,009.95	6,990.05	34.27	242.99	-14.82	-1,046.60	-8,580.43	8,913.40	8,640.27	273.13	32.634		
7,300.00	6,965.92	7,001.08	6,998.92	34.80	242.69	-23.26	-1,046.60	-8,580.43	8,864.29	8,591.46	272.82	32.491		
7,350.00	6,970.89	7,003.89	7,003.89	35.37	242.78	-45.71	-1,046.60	-8,580.43	8,814.64	8,541.72	272.92	32.297		
7,396.89	6,972.00	7,005.00	7,005.00	35.93	242.82	-101.57	-1,046.60	-8,580.43	8,767.86	8,494.90	272.97	32.121		
7,400.00	6,971.96	7,004.96	7,004.96	35.97	242.82	-101.56	-1,046.60	-8,580.43	8,764.76	8,491.80	272.96	32.110		
7,500.00	6,970.65	7,003.65	7,003.65	37.28	242.77	-101.43	-1,046.60	-8,580.43	8,664.98	8,392.05	272.93	31.748		
7,600.00	6,969.33	7,002.33	7,002.33	38.76	242.73	-101.31	-1,046.60	-8,580.43	8,565.20	8,292.30	272.90	31.386		
7,700.00	6,968.02	7,001.02	7,001.02	40.39	242.68	-101.18	-1,046.60	-8,580.43	8,465.43	8,192.56	272.87	31.024		
7,800.00	6,966.70	7,000.30	6,999.70	42.15	242.66	-101.05	-1,046.60	-8,580.43	8,365.66	8,092.79	272.87	30.659		
7,900.00	6,965.39	7,001.61	6,998.39	44.02	242.70	-100.92	-1,046.60	-8,580.43	8,265.90	7,992.96	272.93	30.285		
8,000.00	6,964.07	7,002.93	6,997.07	45.99	242.75	-100.79	-1,046.60	-8,580.43	8,166.14	7,893.13	273.01	29.912		
8,100.00	6,962.76	7,004.24	6,995.76	48.05	242.80	-100.66	-1,046.60	-8,580.43	8,066.39	7,793.31	273.08	29.538		
8,200.00	6,961.45	7,005.56	6,994.45	50.19	242.84	-100.53	-1,046.60	-8,580.43	7,966.64	7,693.48	273.16	29.165		
8,300.00	6,960.13	7,006.87	6,993.13	52.39	242.89	-100.40	-1,046.60	-8,580.43	7,866.90	7,593.66	273.24	28.791		
8,400.00	6,958.82	7,008.18	6,991.82	54.65	242.93	-100.27	-1,046.60	-8,580.43	7,767.17	7,493.84	273.33	28.417		
8,500.00	6,957.50	7,009.50	6,990.50	56.97	242.98	-100.14	-1,046.60	-8,580.43	7,667.44	7,394.03	273.42	28.043		
8,600.00	6,956.19	6,989.19	6,989.19	59.33	242.27	-100.01	-1,046.60	-8,580.43	7,567.73	7,294.97	272.76	27.745		
8,700.00	6,954.87	6,987.87	6,987.87	61.73	242.22	-99.88	-1,046.60	-8,580.43	7,468.01	7,195.25	272.76	27.379		
8,800.00	6,953.56	6,986.56	6,986.56	64.16	242.18	-99.75	-1,046.60	-8,580.43	7,368.31	7,095.54	272.77	27.013		
8,900.00	6,952.24	6,985.24	6,985.24	66.63	242.13	-99.62	-1,046.60	-8,580.43	7,268.61	6,995.83	272.79	26.646		
9,000.00	6,950.93	6,983.93	6,983.93	69.13	242.09	-99.49	-1,046.60	-8,580.43	7,168.93	6,896.12	272.81	26.278		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	6,982.61	6,982.61	71.65	242.04	-99.36	-1,046.60	-8,580.43	7,069.25	6,796.42	272.83	25.911		
9,200.00	6,948.30	6,981.30	6,981.30	74.20	241.99	-99.23	-1,046.60	-8,580.43	6,969.58	6,696.72	272.86	25.543		
9,300.00	6,946.98	6,979.98	6,979.98	76.77	241.95	-99.10	-1,046.60	-8,580.43	6,869.92	6,597.02	272.90	25.174		
9,400.00	6,945.67	6,978.67	6,978.67	79.35	241.90	-98.97	-1,046.60	-8,580.43	6,770.26	6,497.33	272.94	24.805		
9,500.00	6,944.35	6,977.35	6,977.35	81.95	241.86	-98.84	-1,046.60	-8,580.43	6,670.62	6,397.64	272.99	24.436		
9,600.00	6,943.04	6,976.04	6,976.04	84.57	241.81	-98.71	-1,046.60	-8,580.43	6,570.99	6,297.95	273.04	24.066		
9,700.00	6,941.73	6,974.73	6,974.73	87.21	241.76	-98.58	-1,046.60	-8,580.43	6,471.37	6,198.27	273.10	23.696		
9,800.00	6,940.41	6,973.41	6,973.41	89.85	241.72	-98.45	-1,046.60	-8,580.43	6,371.77	6,098.60	273.17	23.326		
9,900.00	6,939.10	6,972.10	6,972.10	92.51	241.67	-98.31	-1,046.60	-8,580.43	6,272.17	5,998.93	273.24	22.955		
10,000.00	6,937.78	6,970.78	6,970.78	95.17	241.63	-98.18	-1,046.60	-8,580.43	6,172.59	5,899.26	273.33	22.583		
10,100.00	6,936.47	6,969.47	6,969.47	97.85	241.58	-98.05	-1,046.60	-8,580.43	6,073.02	5,799.60	273.42	22.212		
10,200.00	6,935.15	6,968.15	6,968.15	100.54	241.54	-97.92	-1,046.60	-8,580.43	5,973.46	5,699.94	273.52	21.839		
10,300.00	6,933.84	6,966.84	6,966.84	103.23	241.49	-97.79	-1,046.60	-8,580.43	5,873.92	5,600.29	273.63	21.467		
10,400.00	6,932.52	6,965.52	6,965.52	105.93	241.44	-97.66	-1,046.60	-8,580.43	5,774.40	5,500.65	273.75	21.094		
10,500.00	6,931.21	6,964.21	6,964.21	108.64	241.40	-97.53	-1,046.60	-8,580.43	5,674.89	5,401.01	273.88	20.720		
10,600.00	6,929.89	6,962.89	6,962.89	111.36	241.35	-97.39	-1,046.60	-8,580.43	5,575.40	5,301.37	274.03	20.346		
10,700.00	6,928.58	6,961.58	6,961.58	114.08	241.31	-97.26	-1,046.60	-8,580.43	5,475.93	5,201.74	274.18	19.972		
10,800.00	6,927.26	6,960.26	6,960.26	116.81	241.26	-97.13	-1,046.60	-8,580.43	5,376.47	5,102.12	274.35	19.597		
10,900.00	6,925.95	6,958.95	6,958.95	119.54	241.21	-97.00	-1,046.60	-8,580.43	5,277.04	5,002.50	274.54	19.222		
11,000.00	6,924.64	6,957.64	6,957.64	122.28	241.17	-96.87	-1,046.60	-8,580.43	5,177.63	4,902.89	274.74	18.846		
11,100.00	6,923.32	6,956.32	6,956.32	125.02	241.12	-96.73	-1,046.60	-8,580.43	5,078.24	4,803.29	274.95	18.470		
11,200.00	6,922.01	6,955.01	6,955.01	127.77	241.08	-96.60	-1,046.60	-8,580.43	4,978.87	4,703.69	275.19	18.093		
11,300.00	6,920.69	6,953.69	6,953.69	130.52	241.03	-96.47	-1,046.60	-8,580.43	4,879.53	4,604.10	275.44	17.716		
11,400.00	6,919.38	6,952.38	6,952.38	133.28	240.98	-96.34	-1,046.60	-8,580.43	4,780.22	4,504.51	275.71	17.338		
11,500.00	6,918.06	6,951.06	6,951.06	136.04	240.94	-96.20	-1,046.60	-8,580.43	4,680.94	4,404.93	276.00	16.960		
11,600.00	6,916.75	6,949.75	6,949.75	138.80	240.89	-96.07	-1,046.60	-8,580.43	4,581.69	4,305.36	276.32	16.581		
11,700.00	6,915.43	6,948.43	6,948.43	141.56	240.85	-95.94	-1,046.60	-8,580.43	4,482.47	4,205.80	276.67	16.202		
11,800.00	6,914.12	6,947.12	6,947.12	144.33	240.80	-95.81	-1,046.60	-8,580.43	4,383.28	4,106.25	277.04	15.822		
11,900.00	6,912.80	6,945.80	6,945.80	147.10	240.76	-95.67	-1,046.60	-8,580.43	4,284.14	4,006.70	277.44	15.442		
12,000.00	6,911.49	6,944.49	6,944.49	149.88	240.71	-95.54	-1,046.60	-8,580.43	4,185.03	3,907.16	277.87	15.061		
12,100.00	6,910.17	6,943.17	6,943.17	152.65	240.66	-95.41	-1,046.60	-8,580.43	4,085.97	3,807.63	278.34	14.680		
12,200.00	6,908.86	6,941.86	6,941.86	155.43	240.62	-95.28	-1,046.60	-8,580.43	3,986.95	3,708.11	278.84	14.298		
12,300.00	6,907.54	6,940.54	6,940.54	158.21	240.57	-95.14	-1,046.60	-8,580.43	3,887.98	3,608.59	279.39	13.916		
12,400.00	6,906.23	6,939.23	6,939.23	160.99	240.53	-95.01	-1,046.60	-8,580.43	3,789.07	3,509.09	279.98	13.533		
12,500.00	6,904.92	6,937.92	6,937.92	163.78	240.48	-94.88	-1,046.60	-8,580.43	3,690.21	3,409.60	280.62	13.150		
12,600.00	6,903.60	6,936.60	6,936.60	166.57	240.43	-94.74	-1,046.60	-8,580.43	3,591.42	3,310.11	281.31	12.767		
12,700.00	6,902.29	6,935.29	6,935.29	169.35	240.39	-94.61	-1,046.60	-8,580.43	3,492.69	3,210.64	282.06	12.383		
12,800.00	6,900.97	6,933.97	6,933.97	172.14	240.34	-94.48	-1,046.60	-8,580.43	3,394.04	3,111.17	282.87	11.999		
12,900.00	6,899.66	6,932.66	6,932.66	174.94	240.30	-94.34	-1,046.60	-8,580.43	3,295.47	3,011.72	283.75	11.614		
13,000.00	6,898.34	6,931.34	6,931.34	177.73	240.25	-94.21	-1,046.60	-8,580.43	3,196.99	2,912.28	284.71	11.229		
13,100.00	6,897.03	6,930.03	6,930.03	180.53	240.20	-94.08	-1,046.60	-8,580.43	3,098.61	2,812.85	285.76	10.844		
13,200.00	6,895.71	6,928.71	6,928.71	183.32	240.16	-93.94	-1,046.60	-8,580.43	3,000.33	2,713.44	286.89	10.458		
13,300.00	6,894.40	6,927.40	6,927.40	186.12	240.11	-93.81	-1,046.60	-8,580.43	2,902.17	2,614.04	288.13	10.072		
13,400.00	6,893.08	6,926.08	6,926.08	188.92	240.07	-93.68	-1,046.60	-8,580.43	2,804.14	2,514.66	289.48	9.687		
13,500.00	6,891.77	6,924.77	6,924.77	191.72	240.02	-93.54	-1,046.60	-8,580.43	2,706.25	2,415.29	290.96	9.301		
13,600.00	6,890.45	6,923.45	6,923.45	194.52	239.98	-93.41	-1,046.60	-8,580.43	2,608.52	2,315.94	292.58	8.916		
13,700.00	6,889.14	6,922.14	6,922.14	197.32	239.93	-93.28	-1,046.60	-8,580.43	2,510.97	2,216.62	294.35	8.531		
13,800.00	6,887.82	6,920.82	6,920.82	200.13	239.88	-93.14	-1,046.60	-8,580.43	2,413.62	2,117.32	296.30	8.146		
13,900.00	6,886.51	6,919.51	6,919.51	202.93	239.84	-93.01	-1,046.60	-8,580.43	2,316.49	2,018.05	298.45	7.762		
14,000.00	6,885.20	6,918.20	6,918.20	205.74	239.79	-92.88	-1,046.60	-8,580.43	2,219.62	1,918.81	300.81	7.379		
14,100.00	6,883.88	6,916.88	6,916.88	208.55	239.75	-92.74	-1,046.60	-8,580.43	2,123.04	1,819.61	303.43	6.997		
14,200.00	6,882.57	6,915.57	6,915.57	211.35	239.70	-92.61	-1,046.60	-8,580.43	2,026.79	1,720.45	306.34	6.616		

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 13N-6B-M
<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 13N-6B-M	<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 - ROTHE #1-14 - 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
14,300.00	6,881.25	6,914.25	6,914.25	214.16	239.65	-92.47	-1,046.60	-8,580.43	1,930.92	1,621.35	309.57	6.237	
14,400.00	6,879.94	6,912.94	6,912.94	216.97	239.61	-92.34	-1,046.60	-8,580.43	1,835.48	1,522.32	313.17	5.861	
14,500.00	6,878.62	6,911.62	6,911.62	219.78	239.56	-92.21	-1,046.60	-8,580.43	1,740.56	1,423.37	317.19	5.487	
14,600.00	6,877.31	6,910.31	6,910.31	222.59	239.52	-92.07	-1,046.60	-8,580.43	1,646.24	1,324.53	321.72	5.117	
14,700.00	6,875.99	6,908.99	6,908.99	225.41	239.47	-91.94	-1,046.60	-8,580.43	1,552.64	1,225.83	326.81	4.751	
14,800.00	6,874.68	6,907.68	6,907.68	228.22	239.42	-91.81	-1,046.60	-8,580.43	1,459.87	1,127.30	332.57	4.390	
14,900.00	6,873.36	6,906.36	6,906.36	231.03	239.38	-91.67	-1,046.60	-8,580.43	1,368.13	1,029.02	339.11	4.035	
15,000.00	6,872.05	6,905.05	6,905.05	233.85	239.33	-91.54	-1,046.60	-8,580.43	1,277.62	931.07	346.56	3.687	
15,100.00	6,870.73	6,903.73	6,903.73	236.66	239.29	-91.40	-1,046.60	-8,580.43	1,188.64	833.56	355.08	3.348	
15,200.00	6,869.42	6,902.42	6,902.42	239.48	239.24	-91.27	-1,046.60	-8,580.43	1,101.55	736.69	364.85	3.019	
15,300.00	6,868.11	6,901.11	6,901.11	242.29	239.20	-91.14	-1,046.60	-8,580.43	1,016.83	640.75	376.08	2.704	
15,400.00	6,866.79	6,900.21	6,899.79	245.11	239.16	-91.00	-1,046.60	-8,580.43	935.13	546.16	388.97	2.404	
15,460.11	6,866.00	6,901.00	6,899.00	246.80	239.19	-90.92	-1,046.60	-8,580.43	887.82	490.18	397.65	2.233	
15,460.74	6,865.99	6,901.01	6,898.99	246.82	239.19	-90.92	-1,046.60	-8,580.43	887.34	489.60	397.74	2.231	CC, ES, SF

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-103.27	-1,284.28	-5,446.13	5,595.51					
100.00	100.00	63.80	63.80	3.28	3.28	-103.27	-1,284.14	-5,446.40	5,595.88	5,589.31	6.57	852.006		
200.00	200.00	155.21	155.20	3.34	3.31	-103.26	-1,283.59	-5,447.43	5,596.83	5,590.18	6.65	841.758		
300.00	299.98	264.30	264.29	3.44	3.41	157.74	-1,283.09	-5,448.36	5,599.16	5,592.31	6.85	817.373		
400.00	399.84	382.10	382.08	3.60	3.58	157.73	-1,282.57	-5,449.22	5,604.63	5,597.45	7.18	781.028		
500.00	499.45	491.59	491.57	3.80	3.79	157.71	-1,282.00	-5,449.66	5,612.97	5,605.38	7.59	739.408		
584.50	583.35	590.49	590.47	4.01	4.02	157.69	-1,281.38	-5,449.90	5,622.37	5,614.34	8.03	700.597		
600.00	598.71	608.78	608.76	4.05	4.06	157.70	-1,281.21	-5,449.92	5,624.28	5,616.16	8.11	693.212		
700.00	697.81	713.22	713.19	4.33	4.34	157.76	-1,280.17	-5,449.98	5,636.51	5,627.84	8.67	650.479		
800.00	796.91	801.11	801.08	4.64	4.60	157.82	-1,279.28	-5,450.09	5,648.81	5,639.59	9.22	612.524		
900.00	896.01	894.09	894.05	4.98	4.89	157.88	-1,278.28	-5,450.37	5,661.27	5,651.43	9.83	575.651		
1,000.00	995.11	1,001.67	1,001.59	5.34	5.24	157.96	-1,275.77	-5,450.99	5,673.72	5,663.19	10.53	538.653		
1,100.00	1,094.21	1,054.50	1,054.36	5.71	5.42	158.01	-1,273.35	-5,451.74	5,686.51	5,675.43	11.08	513.175		
1,200.00	1,193.31	1,111.38	1,111.10	6.10	5.64	158.08	-1,269.62	-5,453.28	5,700.10	5,688.43	11.66	488.715		
1,300.00	1,292.41	1,188.42	1,187.76	6.49	5.96	158.20	-1,262.62	-5,456.19	5,714.22	5,701.86	12.36	462.209		
1,400.00	1,391.51	1,280.99	1,279.49	6.90	6.40	158.37	-1,251.04	-5,460.61	5,728.64	5,715.45	13.19	434.326		
1,500.00	1,490.61	1,417.45	1,413.79	7.31	7.14	158.67	-1,228.02	-5,468.02	5,742.85	5,728.51	14.34	400.556		
1,600.00	1,589.71	1,573.96	1,566.30	7.73	8.14	159.10	-1,194.16	-5,476.84	5,756.48	5,740.74	15.75	365.605		
1,700.00	1,688.81	1,700.00	1,753.26	8.16	9.05	159.74	-1,140.08	-5,486.99	5,768.52	5,751.45	17.07	337.922		
1,800.00	1,787.92	1,853.27	1,833.06	8.59	10.32	160.05	-1,113.03	-5,491.31	5,780.02	5,761.27	18.76	308.131		
1,900.00	1,887.02	1,900.00	1,876.90	9.02	10.73	160.23	-1,097.13	-5,494.19	5,792.37	5,772.79	19.58	295.760		
2,000.00	1,986.12	1,956.89	1,930.06	9.46	11.27	160.45	-1,077.26	-5,498.19	5,805.60	5,785.07	20.53	282.782		
2,100.00	2,085.22	2,019.23	1,988.02	9.90	11.86	160.71	-1,054.86	-5,503.10	5,819.66	5,798.12	21.54	270.194		
2,200.00	2,184.32	2,109.36	2,071.33	10.34	12.75	161.09	-1,021.26	-5,510.52	5,834.15	5,811.30	22.85	255.352		
2,300.00	2,283.42	2,177.93	2,134.58	10.78	13.43	161.38	-995.42	-5,516.35	5,849.12	5,825.18	23.95	244.272		
2,400.00	2,382.52	2,265.53	2,215.52	11.23	14.28	161.74	-962.80	-5,523.96	5,864.61	5,839.40	25.21	232.599		
2,500.00	2,481.62	2,344.80	2,288.94	11.68	15.03	162.06	-933.71	-5,530.78	5,880.40	5,854.01	26.38	222.883		
2,600.00	2,580.72	2,419.40	2,358.03	12.13	15.73	162.37	-906.37	-5,537.44	5,896.74	5,869.24	27.50	214.440		
2,700.00	2,679.82	2,528.75	2,459.41	12.58	16.75	162.81	-866.56	-5,547.17	5,913.40	5,884.46	28.94	204.362		
2,800.00	2,778.92	2,645.45	2,567.32	13.03	17.84	163.28	-823.18	-5,556.89	5,929.68	5,899.23	30.45	194.748		
2,900.00	2,878.02	2,713.61	2,630.13	13.48	18.48	163.57	-797.39	-5,562.69	5,946.38	5,914.88	31.50	188.753		
3,000.00	2,977.12	2,768.28	2,680.55	13.94	19.00	163.79	-776.83	-5,567.60	5,963.82	5,931.40	32.43	183.917		
3,100.00	3,076.22	2,878.76	2,782.61	14.39	20.03	164.23	-735.78	-5,577.85	5,981.89	5,948.01	33.88	176.557		
3,200.00	3,175.32	3,023.68	2,916.61	14.85	21.35	164.81	-681.93	-5,589.95	5,999.31	5,963.69	35.63	168.391		
3,300.00	3,274.43	3,100.00	2,987.55	15.30	22.01	165.11	-654.43	-5,595.92	6,016.68	5,979.98	36.70	163.935		
3,400.00	3,373.53	3,160.43	3,043.92	15.76	22.52	165.34	-633.20	-5,600.83	6,034.66	5,997.05	37.61	160.443		
3,500.00	3,472.63	3,225.80	3,104.92	16.22	23.07	165.58	-610.44	-5,606.61	6,053.48	6,014.91	38.57	156.953		
3,600.00	3,571.73	3,426.15	3,291.01	16.68	24.80	166.34	-538.04	-5,622.93	6,071.91	6,031.17	40.74	149.032		
3,700.00	3,670.83	3,500.00	3,359.57	17.14	25.42	166.63	-511.14	-5,628.35	6,089.80	6,048.02	41.78	145.764		
3,800.00	3,769.93	3,532.37	3,389.63	17.59	25.71	166.75	-499.41	-5,630.92	6,108.49	6,066.04	42.45	143.902		
3,900.00	3,869.03	3,564.29	3,419.26	18.05	25.99	166.87	-487.87	-5,633.76	6,128.29	6,085.18	43.11	142.159		
4,000.00	3,968.13	3,600.00	3,452.38	18.51	26.30	167.00	-474.98	-5,637.29	6,149.19	6,105.39	43.80	140.403		
4,100.00	4,067.23	3,819.28	3,654.99	18.98	28.29	167.84	-393.55	-5,657.16	6,169.41	6,123.17	46.24	133.421		
4,200.00	4,166.33	3,920.24	3,747.81	19.44	29.22	168.24	-354.68	-5,665.37	6,189.22	6,141.65	47.57	130.094		
4,300.00	4,265.43	4,016.98	3,836.63	19.90	30.12	168.62	-317.11	-5,672.98	6,209.06	6,160.19	48.87	127.046		
4,400.00	4,364.53	4,072.91	3,887.96	20.36	30.64	168.84	-295.36	-5,677.54	6,229.43	6,179.66	49.78	125.151		
4,500.00	4,463.63	4,151.85	3,960.47	20.82	31.37	169.14	-264.92	-5,684.34	6,250.46	6,199.57	50.89	122.825		
4,600.00	4,562.73	4,240.66	4,042.51	21.28	32.17	169.47	-231.79	-5,691.93	6,271.69	6,219.61	52.08	120.426		
4,700.00	4,661.83	4,335.49	4,130.19	21.75	33.01	169.82	-196.59	-5,700.16	6,293.27	6,239.96	53.31	118.051		
4,800.00	4,760.93	4,445.68	4,232.09	22.21	33.98	170.23	-155.65	-5,709.25	6,314.68	6,260.00	54.68	115.491		
4,900.00	4,860.04	4,519.03	4,299.91	22.67	34.63	170.49	-128.40	-5,715.34	6,336.40	6,280.70	55.70	113.761		
5,000.00	4,959.14	4,580.35	4,356.55	23.13	35.18	170.72	-105.50	-5,720.66	6,358.69	6,302.08	56.61	112.319		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,682.30	4,450.77	23.60	36.08	171.09	-67.64	-5,729.74	6,381.42	6,323.52	57.90	110.213		
5,200.00	5,157.34	4,760.58	4,523.41	24.06	36.76	171.36	-39.30	-5,736.62	6,404.23	6,345.28	58.95	108.643		
5,300.00	5,256.44	4,839.26	4,596.49	24.52	37.44	171.63	-11.04	-5,743.76	6,427.48	6,367.49	60.00	107.131		
5,400.00	5,355.54	4,951.94	4,700.65	24.99	38.44	172.03	30.75	-5,753.90	6,450.96	6,389.58	61.38	105.100		
5,500.00	5,454.64	5,042.62	4,784.28	25.45	39.25	172.35	64.94	-5,761.60	6,474.22	6,411.66	62.56	103.485		
5,600.00	5,553.74	5,103.97	4,840.91	25.92	39.80	172.57	87.90	-5,767.07	6,498.06	6,434.60	63.46	102.396		
5,700.00	5,652.84	5,211.53	4,940.42	26.38	40.76	172.94	127.56	-5,776.77	6,522.17	6,457.38	64.79	100.673		
5,800.00	5,751.94	5,314.63	5,035.97	26.84	41.65	173.29	165.21	-5,785.78	6,546.21	6,480.16	66.05	99.106		
5,900.00	5,851.04	5,377.64	5,094.28	27.31	42.21	173.51	188.43	-5,791.37	6,570.61	6,503.66	66.95	98.143		
6,000.00	5,950.14	5,499.61	5,206.79	27.77	43.30	173.93	234.26	-5,802.20	6,595.32	6,526.90	68.42	96.393		
6,100.00	6,049.24	5,577.68	5,278.93	28.24	43.99	174.19	263.33	-5,808.95	6,619.95	6,550.50	69.45	95.315		
6,200.00	6,148.34	5,756.52	5,444.73	28.70	45.50	174.79	328.82	-5,823.22	6,644.00	6,572.62	71.38	93.074		
6,304.69	6,252.09	6,150.25	5,819.13	29.19	48.02	175.85	447.36	-5,846.59	6,666.95	6,592.46	74.49	89.496		
6,350.00	6,297.17	6,175.70	5,843.82	29.39	48.14	163.75	453.41	-5,847.73	6,674.42	6,599.64	74.78	89.250		
6,400.00	6,347.13	6,221.14	5,888.01	29.59	48.35	62.35	463.79	-5,849.94	6,679.13	6,603.96	75.17	88.854		
6,450.00	6,397.02	6,339.92	6,004.44	29.78	48.83	22.39	486.55	-5,855.36	6,679.61	6,603.75	75.87	88.046		
6,500.00	6,446.53	6,415.37	6,078.75	29.96	49.11	15.96	499.25	-5,858.45	6,675.90	6,599.59	76.31	87.481		
6,550.00	6,495.35	6,469.01	6,131.73	30.14	49.29	13.57	507.30	-5,860.63	6,668.25	6,591.61	76.64	87.005		
6,600.00	6,543.19	6,519.58	6,181.83	30.33	49.45	12.44	513.95	-5,862.75	6,666.76	6,579.82	76.94	86.517		
6,650.00	6,589.76	6,900.77	6,561.66	30.52	50.48	12.36	543.19	-5,870.30	6,639.41	6,561.16	78.26	84.841		
6,700.00	6,634.75	6,942.41	6,603.28	30.71	50.58	12.17	544.50	-5,870.38	6,618.27	6,539.81	78.47	84.344		
6,750.00	6,677.90	6,982.60	6,643.45	30.91	50.67	12.24	545.43	-5,870.51	6,593.71	6,515.05	78.66	83.825		
6,800.00	6,718.94	7,023.78	6,684.63	31.13	50.77	12.51	546.09	-5,870.69	6,565.88	6,487.03	78.84	83.279		
6,850.00	6,757.62	7,064.86	6,725.70	31.36	50.87	12.99	546.68	-5,870.86	6,534.91	6,455.90	79.01	82.711		
6,900.00	6,793.70	7,103.18	6,764.02	31.61	50.96	13.70	547.17	-5,871.01	6,501.00	6,421.84	79.16	82.128		
6,950.00	6,826.95	7,134.26	6,795.10	31.88	51.04	14.66	547.57	-5,871.14	6,464.38	6,385.10	79.27	81.544		
7,000.00	6,857.18	7,162.86	6,823.70	32.19	51.11	15.96	547.95	-5,871.26	6,425.27	6,345.90	79.38	80.948		
7,050.00	6,884.18	7,188.46	6,849.30	32.52	51.17	17.69	548.30	-5,871.37	6,383.93	6,304.47	79.46	80.342		
7,100.00	6,907.81	7,211.65	6,872.49	32.90	51.23	20.06	548.63	-5,871.48	6,340.59	6,261.06	79.53	79.725		
7,150.00	6,927.91	7,232.09	6,892.92	33.32	51.28	23.37	548.92	-5,871.58	6,295.54	6,215.95	79.59	79.101		
7,200.00	6,944.36	7,248.85	6,909.68	33.77	51.32	28.18	549.17	-5,871.65	6,249.03	6,169.39	79.63	78.472		
7,250.00	6,957.05	7,261.83	6,922.66	34.27	51.35	35.54	549.36	-5,871.71	6,201.36	6,121.69	79.67	77.841		
7,300.00	6,965.92	7,270.95	6,931.77	34.80	51.37	47.44	549.50	-5,871.75	6,152.82	6,073.13	79.69	77.209		
7,350.00	6,970.89	7,276.15	6,936.98	35.37	51.39	66.96	549.58	-5,871.77	6,103.72	6,024.01	79.71	76.578		
7,396.89	6,972.00	7,277.45	6,938.28	35.93	51.39	92.51	549.60	-5,871.78	6,057.42	5,977.71	79.71	75.989		
7,400.00	6,971.96	7,277.42	6,938.25	35.97	51.39	92.51	549.60	-5,871.78	6,054.35	5,974.64	79.72	75.949		
7,500.00	6,970.65	7,276.49	6,937.31	37.28	51.39	92.45	549.59	-5,871.78	5,955.57	5,875.84	79.73	74.693		
7,600.00	6,969.33	7,275.55	6,936.38	38.76	51.39	92.39	549.57	-5,871.77	5,856.83	5,777.07	79.76	73.428		
7,700.00	6,968.02	7,274.62	6,935.44	40.39	51.38	92.34	549.56	-5,871.77	5,758.14	5,678.34	79.80	72.155		
7,800.00	6,966.70	7,273.69	6,934.51	42.15	51.38	92.28	549.55	-5,871.76	5,659.49	5,579.64	79.85	70.874		
7,900.00	6,965.39	7,272.76	6,933.58	44.02	51.38	92.22	549.53	-5,871.76	5,560.89	5,480.97	79.92	69.584		
8,000.00	6,964.07	7,271.83	6,932.65	45.99	51.38	92.17	549.52	-5,871.76	5,462.34	5,382.35	79.99	68.286		
8,100.00	6,962.76	7,270.89	6,931.72	48.05	51.37	92.11	549.50	-5,871.75	5,363.84	5,283.76	80.08	66.979		
8,200.00	6,961.45	7,269.97	6,930.79	50.19	51.37	92.05	549.49	-5,871.75	5,265.40	5,185.21	80.19	65.662		
8,300.00	6,960.13	7,269.04	6,929.86	52.39	51.37	91.99	549.47	-5,871.74	5,167.02	5,086.71	80.31	64.336		
8,400.00	6,958.82	7,268.11	6,928.93	54.65	51.37	91.94	549.46	-5,871.74	5,068.70	4,988.25	80.45	63.001		
8,500.00	6,957.50	7,267.18	6,928.01	56.97	51.37	91.88	549.45	-5,871.73	4,970.45	4,889.84	80.62	61.656		
8,600.00	6,956.19	7,266.26	6,927.08	59.33	51.36	91.82	549.43	-5,871.73	4,872.27	4,791.47	80.80	60.301		
8,700.00	6,954.87	7,265.33	6,926.15	61.73	51.36	91.77	549.42	-5,871.73	4,774.17	4,693.16	81.01	58.936		
8,800.00	6,953.56	7,264.41	6,925.23	64.16	51.36	91.71	549.40	-5,871.72	4,676.15	4,594.91	81.24	57.561		
8,900.00	6,952.24	7,263.48	6,924.31	66.63	51.36	91.65	549.39	-5,871.72	4,578.21	4,496.71	81.50	56.176		
9,000.00	6,950.93	7,262.56	6,923.38	69.13	51.35	91.60	549.37	-5,871.71	4,480.36	4,398.57	81.79	54.782		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	7,261.64	6,922.46	71.65	51.35	91.54	549.36	-5,871.71	4,382.61	4,300.50	82.11	53.377		
9,200.00	6,948.30	7,260.71	6,921.54	74.20	51.35	91.49	549.35	-5,871.71	4,284.96	4,202.50	82.46	51.962		
9,300.00	6,946.98	7,259.79	6,920.62	76.77	51.35	91.43	549.33	-5,871.70	4,187.42	4,104.57	82.86	50.538		
9,400.00	6,945.67	7,258.87	6,919.70	79.35	51.34	91.37	549.32	-5,871.70	4,090.01	4,006.71	83.29	49.105		
9,500.00	6,944.35	7,257.95	6,918.78	81.95	51.34	91.32	549.30	-5,871.69	3,992.72	3,908.95	83.77	47.662		
9,600.00	6,943.04	7,257.04	6,917.86	84.57	51.34	91.26	549.29	-5,871.69	3,895.56	3,811.27	84.30	46.212		
9,700.00	6,941.73	7,256.12	6,916.94	87.21	51.34	91.20	549.28	-5,871.69	3,798.56	3,713.68	84.88	44.753		
9,800.00	6,940.41	7,255.20	6,916.03	89.85	51.34	91.15	549.26	-5,871.68	3,701.71	3,616.20	85.51	43.288		
9,900.00	6,939.10	7,254.28	6,915.11	92.51	51.33	91.09	549.25	-5,871.68	3,605.04	3,518.83	86.21	41.817		
10,000.00	6,937.78	7,253.37	6,914.20	95.17	51.33	91.04	549.24	-5,871.67	3,508.55	3,421.57	86.97	40.340		
10,100.00	6,936.47	7,252.46	6,913.28	97.85	51.33	90.98	549.22	-5,871.67	3,412.26	3,324.45	87.81	38.860		
10,200.00	6,935.15	7,251.54	6,912.37	100.54	51.33	90.92	549.21	-5,871.66	3,316.20	3,227.47	88.72	37.377		
10,300.00	6,933.84	7,250.63	6,911.45	103.23	51.32	90.87	549.19	-5,871.66	3,220.37	3,130.65	89.72	35.893		
10,400.00	6,932.52	7,249.72	6,910.54	105.93	51.32	90.81	549.18	-5,871.66	3,124.80	3,033.99	90.81	34.409		
10,500.00	6,931.21	7,248.80	6,909.63	108.64	51.32	90.76	549.17	-5,871.65	3,029.52	2,937.52	92.00	32.928		
10,600.00	6,929.89	7,247.89	6,908.72	111.36	51.32	90.70	549.15	-5,871.65	2,934.55	2,841.25	93.31	31.451		
10,700.00	6,928.58	7,246.98	6,907.81	114.08	51.32	90.64	549.14	-5,871.64	2,839.93	2,745.21	94.73	29.980		
10,800.00	6,927.26	7,246.07	6,906.90	116.81	51.31	90.59	549.13	-5,871.64	2,745.69	2,649.42	96.28	28.519		
10,900.00	6,925.95	7,245.17	6,905.99	119.54	51.31	90.53	549.11	-5,871.64	2,651.87	2,553.90	97.97	27.069		
11,000.00	6,924.64	7,244.26	6,905.09	122.28	51.31	90.48	549.10	-5,871.63	2,558.52	2,458.71	99.82	25.632		
11,100.00	6,923.32	7,243.35	6,904.18	125.02	51.31	90.42	549.09	-5,871.63	2,465.69	2,363.86	101.83	24.213		
11,200.00	6,922.01	7,242.45	6,903.27	127.77	51.30	90.37	549.07	-5,871.62	2,373.45	2,269.41	104.04	22.813		
11,300.00	6,920.69	7,241.54	6,902.37	130.52	51.30	90.31	549.06	-5,871.62	2,281.85	2,175.41	106.45	21.437		
11,400.00	6,919.38	7,240.64	6,901.46	133.28	51.30	90.25	549.05	-5,871.62	2,190.99	2,081.92	109.08	20.087		
11,500.00	6,918.06	7,239.73	6,900.56	136.04	51.30	90.20	549.03	-5,871.61	2,100.96	1,989.01	111.95	18.766		
11,600.00	6,916.75	7,238.83	6,899.66	138.80	51.30	90.14	549.02	-5,871.61	2,011.87	1,896.77	115.10	17.479		
11,700.00	6,915.43	7,237.93	6,898.75	141.56	51.29	90.09	549.01	-5,871.60	1,923.86	1,805.31	118.54	16.229		
11,800.00	6,914.12	7,237.02	6,897.85	144.33	51.29	90.03	548.99	-5,871.60	1,837.07	1,714.76	122.31	15.020		
11,900.00	6,912.80	7,236.12	6,896.95	147.10	51.29	89.98	548.98	-5,871.59	1,751.69	1,625.26	126.43	13.855		
12,000.00	6,911.49	7,235.22	6,896.05	149.88	51.29	89.92	548.97	-5,871.59	1,667.93	1,536.99	130.94	12.738		
12,100.00	6,910.17	7,234.32	6,895.15	152.65	51.28	89.87	548.95	-5,871.59	1,586.06	1,450.20	135.86	11.674		
12,200.00	6,908.86	7,233.43	6,894.25	155.43	51.28	89.81	548.94	-5,871.58	1,506.38	1,365.15	141.23	10.666		
12,300.00	6,907.54	7,232.53	6,893.36	158.21	51.28	89.76	548.93	-5,871.58	1,429.25	1,282.19	147.06	9.719		
12,400.00	6,906.23	7,231.63	6,892.46	160.99	51.28	89.70	548.91	-5,871.57	1,355.12	1,201.74	153.38	8.835		
12,500.00	6,904.92	7,230.73	6,891.56	163.78	51.28	89.65	548.90	-5,871.57	1,284.49	1,124.32	160.17	8.019		
12,600.00	6,903.60	7,229.84	6,890.67	166.57	51.27	89.59	548.89	-5,871.57	1,217.99	1,050.57	167.42	7.275		
12,700.00	6,902.29	7,228.94	6,889.77	169.35	51.27	89.54	548.87	-5,871.56	1,156.32	981.27	175.05	6.606		
12,800.00	6,900.97	7,228.05	6,888.88	172.14	51.27	89.48	548.86	-5,871.56	1,100.30	917.34	182.96	6.014		
12,900.00	6,899.66	7,227.16	6,887.99	174.94	51.27	89.43	548.85	-5,871.55	1,050.82	859.85	190.97	5.503		
13,000.00	6,898.34	7,226.26	6,887.09	177.73	51.26	89.37	548.83	-5,871.55	1,008.86	810.00	198.86	5.073		
13,100.00	6,897.03	7,225.37	6,886.20	180.53	51.26	89.32	548.82	-5,871.55	975.38	769.04	206.34	4.727		
13,200.00	6,895.71	7,224.48	6,885.31	183.32	51.26	89.26	548.81	-5,871.54	951.29	738.21	213.08	4.465		
13,300.00	6,894.40	7,223.59	6,884.42	186.12	51.26	89.21	548.80	-5,871.54	937.29	718.58	218.70	4.286		
13,382.17	6,893.32	7,222.86	6,883.69	188.42	51.26	89.16	548.79	-5,871.53	933.68	711.41	222.28	4.201 CC		
13,400.00	6,893.08	7,222.70	6,883.53	188.92	51.26	89.15	548.78	-5,871.53	933.85	710.94	222.91	4.189 ES		
13,500.00	6,891.77	7,221.81	6,882.64	191.72	51.25	89.10	548.77	-5,871.53	941.09	715.63	225.45	4.174 SF		
13,600.00	6,890.45	7,220.92	6,881.76	194.52	51.25	89.04	548.76	-5,871.52	958.75	732.49	226.26	4.237		
13,700.00	6,889.14	7,220.04	6,880.87	197.32	51.25	88.99	548.74	-5,871.52	986.29	760.89	225.40	4.376		
13,800.00	6,887.82	7,219.15	6,879.98	200.13	51.25	88.94	548.73	-5,871.52	1,022.90	799.80	223.10	4.585		
13,900.00	6,886.51	7,218.27	6,879.10	202.93	51.24	88.88	548.72	-5,871.51	1,067.65	847.98	219.68	4.860		
14,000.00	6,885.20	7,217.38	6,878.21	205.74	51.24	88.83	548.71	-5,871.51	1,119.57	904.13	215.44	5.197		
14,100.00	6,883.88	7,216.50	6,877.33	208.55	51.24	88.77	548.69	-5,871.50	1,177.71	967.01	210.70	5.589		

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 13N-6B-M
<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 13N-6B-M	<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 - SOUTH #6-21D - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 100-GYRO-NS												<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	6,882.57	7,215.61	6,876.44	211.35	51.24	88.72	548.68	-5,871.50	1,241.19	1,035.49	205.70	6.034	
14,300.00	6,881.25	7,214.73	6,875.56	214.16	51.24	88.66	548.67	-5,871.50	1,309.24	1,108.61	200.63	6.526	
14,400.00	6,879.94	7,213.85	6,874.68	216.97	51.23	88.61	548.66	-5,871.49	1,381.18	1,185.56	195.62	7.061	
14,500.00	6,878.62	7,212.97	6,873.80	219.78	51.23	88.56	548.64	-5,871.49	1,456.43	1,265.67	190.77	7.635	
14,600.00	6,877.31	7,212.08	6,872.92	222.59	51.23	88.50	548.63	-5,871.48	1,534.52	1,348.40	186.12	8.245	
14,700.00	6,875.99	7,211.20	6,872.04	225.41	51.23	88.45	548.62	-5,871.48	1,615.02	1,433.30	181.72	8.887	
14,800.00	6,874.68	7,210.33	6,871.16	228.22	51.23	88.39	548.61	-5,871.48	1,697.60	1,520.03	177.57	9.560	
14,900.00	6,873.36	7,209.66	6,870.49	231.03	51.22	88.35	548.60	-5,871.47	1,781.96	1,608.28	173.68	10.260	
15,000.00	6,872.05	7,208.77	6,869.60	233.85	51.22	88.30	548.58	-5,871.47	1,867.86	1,697.82	170.04	10.985	
15,100.00	6,870.73	7,207.88	6,868.72	236.66	51.22	88.24	548.57	-5,871.46	1,955.11	1,788.47	166.64	11.732	
15,200.00	6,869.42	7,206.99	6,867.83	239.48	51.22	88.19	548.56	-5,871.46	2,043.53	1,880.05	163.48	12.501	
15,300.00	6,868.11	7,206.10	6,866.93	242.29	51.21	88.14	548.55	-5,871.46	2,132.96	1,972.44	160.52	13.288	
15,400.00	6,866.79	7,205.21	6,866.04	245.11	51.21	88.08	548.53	-5,871.45	2,223.30	2,065.54	157.76	14.093	
15,460.11	6,866.00	7,204.67	6,865.50	246.80	51.21	88.05	548.53	-5,871.45	2,277.99	2,121.80	156.20	14.584	
15,460.74	6,865.99	7,204.67	6,865.50	246.82	51.21	88.05	548.53	-5,871.45	2,278.56	2,122.38	156.18	14.589	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-103.34	-1,291.57	-5,446.13	5,597.18					
100.00	100.00	53.28	53.28	3.28	3.28	-103.34	-1,291.40	-5,446.42	5,597.65	5,591.09	6.57	852.356		
200.00	200.00	108.58	108.57	3.34	3.29	-103.33	-1,290.86	-5,447.32	5,598.99	5,592.36	6.63	844.568		
300.00	299.98	206.35	206.31	3.44	3.36	157.67	-1,289.40	-5,449.40	5,602.33	5,595.53	6.80	824.141		
400.00	399.84	310.35	310.27	3.60	3.48	157.66	-1,287.95	-5,451.59	5,608.90	5,601.83	7.08	792.722		
500.00	499.45	440.89	440.78	3.80	3.70	157.65	-1,286.20	-5,453.81	5,618.30	5,610.79	7.50	749.039		
584.50	583.35	528.30	528.17	4.01	3.89	157.63	-1,284.71	-5,455.09	5,628.50	5,620.60	7.89	712.981		
600.00	598.71	542.16	542.03	4.05	3.92	157.65	-1,284.44	-5,455.31	5,630.58	5,622.61	7.97	706.504		
700.00	697.81	633.55	633.38	4.33	4.15	157.72	-1,282.40	-5,456.87	5,644.12	5,635.65	8.47	666.257		
800.00	796.91	743.72	743.50	4.64	4.46	157.80	-1,280.04	-5,458.77	5,657.72	5,648.64	9.08	623.148		
900.00	896.01	837.56	837.31	4.98	4.74	157.88	-1,277.63	-5,460.16	5,671.01	5,661.32	9.69	585.353		
1,000.00	995.11	900.00	899.70	5.34	4.94	157.93	-1,275.62	-5,461.55	5,684.85	5,674.62	10.23	555.654		
1,100.00	1,094.21	1,012.81	1,012.41	5.71	5.32	158.03	-1,271.80	-5,464.32	5,698.91	5,687.94	10.97	519.526		
1,200.00	1,193.31	1,101.70	1,101.23	6.10	5.63	158.11	-1,268.92	-5,466.45	5,712.95	5,701.30	11.65	490.404		
1,300.00	1,292.41	1,212.30	1,211.74	6.49	6.03	158.21	-1,265.43	-5,468.96	5,726.89	5,714.46	12.43	460.819		
1,400.00	1,391.51	1,281.86	1,281.26	6.90	6.28	158.27	-1,263.43	-5,470.64	5,741.06	5,727.99	13.07	439.265		
1,500.00	1,490.61	1,389.86	1,389.18	7.31	6.68	158.35	-1,260.55	-5,473.47	5,755.49	5,741.62	13.87	414.989		
1,600.00	1,589.71	1,494.50	1,493.75	7.73	7.08	158.44	-1,257.73	-5,475.99	5,769.70	5,755.03	14.67	393.328		
1,700.00	1,688.81	1,621.58	1,620.75	8.16	7.56	158.54	-1,254.37	-5,478.62	5,783.61	5,768.04	15.57	371.488		
1,800.00	1,787.92	1,700.00	1,699.14	8.59	7.87	158.60	-1,252.39	-5,480.03	5,797.34	5,781.05	16.28	356.011		
1,900.00	1,887.02	1,752.42	1,751.53	9.02	8.07	158.64	-1,251.06	-5,481.28	5,811.69	5,794.79	16.90	343.888		
2,000.00	1,986.12	1,800.00	1,799.06	9.46	8.26	158.68	-1,249.81	-5,482.98	5,827.03	5,809.54	17.50	333.010		
2,100.00	2,085.22	1,829.55	1,828.56	9.90	8.38	158.71	-1,248.87	-5,484.38	5,843.38	5,825.36	18.03	324.175		
2,200.00	2,184.32	1,863.20	1,862.12	10.34	8.52	158.74	-1,247.44	-5,486.41	5,860.83	5,842.26	18.57	315.616		
2,300.00	2,283.42	1,900.00	1,898.77	10.78	8.68	158.78	-1,245.46	-5,489.14	5,879.37	5,860.25	19.13	307.399		
2,400.00	2,382.52	2,059.88	2,057.89	11.23	9.37	158.98	-1,235.84	-5,501.36	5,898.18	5,877.94	20.25	291.293		
2,500.00	2,481.62	2,157.67	2,155.12	11.68	9.81	159.11	-1,228.13	-5,508.27	5,916.01	5,894.90	21.10	280.353		
2,600.00	2,580.72	2,200.00	2,197.17	12.13	10.00	159.17	-1,224.50	-5,511.49	5,934.39	5,912.69	21.70	273.485		
2,700.00	2,679.82	2,266.27	2,262.96	12.58	10.30	159.27	-1,218.76	-5,517.01	5,953.44	5,931.02	22.41	265.635		
2,800.00	2,778.92	2,317.84	2,314.12	13.03	10.55	159.34	-1,214.37	-5,521.82	5,973.36	5,950.31	23.06	259.091		
2,900.00	2,878.02	2,377.35	2,373.08	13.48	10.83	159.44	-1,208.88	-5,527.83	5,993.97	5,970.23	23.74	252.490		
3,000.00	2,977.12	2,532.02	2,526.08	13.94	11.59	159.69	-1,192.71	-5,543.59	6,014.51	5,989.58	24.92	241.343		
3,100.00	3,076.22	2,612.43	2,605.44	14.39	11.99	159.84	-1,182.65	-5,551.76	6,034.68	6,008.95	25.73	234.503		
3,200.00	3,175.32	2,679.29	2,671.33	14.85	12.33	159.96	-1,173.86	-5,558.89	6,055.29	6,028.81	26.48	228.654		
3,300.00	3,274.43	2,738.90	2,730.06	15.30	12.64	160.07	-1,166.14	-5,565.54	6,076.46	6,049.27	27.19	223.490		
3,400.00	3,373.53	2,800.00	2,790.26	15.76	12.96	160.19	-1,158.49	-5,572.72	6,098.31	6,070.40	27.90	218.561		
3,500.00	3,472.63	2,859.15	2,848.50	16.22	13.27	160.29	-1,151.19	-5,580.01	6,120.77	6,092.16	28.60	213.992		
3,600.00	3,571.73	2,918.62	2,907.02	16.68	13.59	160.40	-1,143.83	-5,587.64	6,143.79	6,114.48	29.30	209.651		
3,700.00	3,670.83	2,969.24	2,956.78	17.14	13.86	160.49	-1,137.55	-5,594.49	6,167.51	6,137.56	29.96	205.881		
3,800.00	3,769.93	3,021.30	3,007.90	17.59	14.15	160.59	-1,131.12	-5,601.90	6,191.98	6,161.37	30.61	202.253		
3,900.00	3,869.03	3,075.74	3,061.33	18.05	14.45	160.69	-1,124.51	-5,610.01	6,217.14	6,185.85	31.29	198.719		
4,000.00	3,968.13	3,195.92	3,179.17	18.51	15.14	160.91	-1,109.61	-5,628.31	6,242.69	6,210.34	32.35	192.977		
4,100.00	4,067.23	3,275.66	3,257.29	18.98	15.60	161.06	-1,099.06	-5,640.33	6,267.99	6,234.81	33.18	188.904		
4,200.00	4,166.33	3,391.56	3,370.74	19.44	16.28	161.28	-1,083.19	-5,657.93	6,293.40	6,259.16	34.24	183.807		
4,300.00	4,265.43	3,542.90	3,519.09	19.90	17.14	161.56	-1,062.52	-5,679.60	6,317.95	6,282.45	35.51	177.933		
4,400.00	4,364.53	3,658.22	3,632.14	20.36	17.80	161.78	-1,046.58	-5,695.80	6,342.41	6,305.85	36.56	173.493		
4,500.00	4,463.63	3,766.24	3,737.96	20.82	18.42	161.98	-1,030.61	-5,710.53	6,366.37	6,328.80	37.57	169.448		
4,600.00	4,562.73	3,839.26	3,809.45	21.28	18.84	162.13	-1,019.69	-5,720.62	6,390.56	6,352.19	38.37	166.538		
4,700.00	4,661.83	3,910.42	3,879.07	21.75	19.25	162.26	-1,009.04	-5,730.77	6,415.23	6,376.07	39.16	163.810		
4,800.00	4,760.93	4,024.06	3,990.44	22.21	19.91	162.47	-993.00	-5,746.68	6,439.79	6,399.58	40.21	160.156		
4,900.00	4,860.04	4,082.72	4,047.91	22.67	20.24	162.58	-984.74	-5,755.06	6,464.70	6,423.79	40.91	158.007		
5,000.00	4,959.14	4,140.34	4,104.29	23.13	20.58	162.69	-976.54	-5,763.62	6,490.20	6,448.60	41.61	155.978		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,200.00	4,162.72	23.60	20.93	162.79	-968.68	-5,772.76	6,516.31	6,474.00	42.32	153.990		
5,200.00	5,157.34	4,302.04	4,262.77	24.06	21.52	162.96	-956.23	-5,788.50	6,542.69	6,499.41	43.28	151.180		
5,300.00	5,256.44	4,379.53	4,338.70	24.52	21.98	163.09	-946.50	-5,800.53	6,569.15	6,525.06	44.09	148.990		
5,400.00	5,355.54	4,523.96	4,480.09	24.99	22.83	163.34	-927.02	-5,822.63	6,595.33	6,550.00	45.34	145.479		
5,500.00	5,454.64	4,584.89	4,539.76	25.45	23.19	163.44	-918.90	-5,831.91	6,621.55	6,575.50	46.05	143.801		
5,600.00	5,553.74	4,786.22	4,736.97	25.92	24.37	163.78	-891.32	-5,861.56	6,647.30	6,599.65	47.65	139.501		
5,700.00	5,652.84	4,901.38	4,849.77	26.38	25.03	163.99	-874.42	-5,877.51	6,672.17	6,623.46	48.71	136.978		
5,800.00	5,751.94	4,986.32	4,933.07	26.84	25.51	164.13	-862.67	-5,889.16	6,697.05	6,647.48	49.57	135.106		
5,900.00	5,851.04	5,747.34	5,687.56	27.31	28.94	164.98	-799.32	-5,955.11	6,720.09	6,666.25	53.84	124.818		
6,000.00	5,950.14	5,916.99	5,857.13	27.77	29.56	165.06	-796.15	-5,958.93	6,735.11	6,680.16	54.96	122.549		
6,100.00	6,049.24	6,054.94	5,995.06	28.24	30.06	165.11	-794.54	-5,960.46	6,748.97	6,693.02	55.94	120.641		
6,200.00	6,148.34	6,169.34	6,109.45	28.70	30.47	165.16	-793.13	-5,961.56	6,762.75	6,705.92	56.83	118.998		
6,304.69	6,252.09	6,280.95	6,221.04	29.19	30.88	165.21	-791.43	-5,962.32	6,776.84	6,719.11	57.73	117.392		
6,350.00	6,297.17	6,320.34	6,260.42	29.39	31.02	153.18	-790.83	-5,962.59	6,781.35	6,723.27	58.08	116.765		
6,400.00	6,347.13	6,359.90	6,299.97	29.59	31.17	51.76	-790.23	-5,962.92	6,782.67	6,724.24	58.43	116.083		
6,450.00	6,397.02	6,400.00	6,340.07	29.78	31.32	11.58	-789.62	-5,963.31	6,780.14	6,721.38	58.76	115.381		
6,500.00	6,446.53	6,448.62	6,388.69	29.96	31.50	4.95	-788.93	-5,963.83	6,773.76	6,714.64	59.12	114.576		
6,550.00	6,495.35	6,497.34	6,437.39	30.14	31.68	2.33	-788.34	-5,964.33	6,763.52	6,704.05	59.47	113.738		
6,600.00	6,543.19	6,556.12	6,496.17	30.33	31.89	0.89	-787.78	-5,964.88	6,749.44	6,689.59	59.84	112.789		
6,650.00	6,589.76	6,613.94	6,553.99	30.52	32.11	-0.05	-787.41	-5,965.31	6,731.57	6,671.37	60.20	111.820		
6,700.00	6,634.75	6,646.74	6,586.79	30.71	32.23	-0.75	-787.16	-5,965.58	6,710.12	6,649.68	60.44	111.018		
6,750.00	6,677.90	6,682.70	6,622.74	30.91	32.36	-1.33	-786.83	-5,965.91	6,685.25	6,624.57	60.68	110.167		
6,800.00	6,718.94	6,724.49	6,664.53	31.13	32.52	-1.85	-786.35	-5,966.34	6,657.10	6,596.16	60.94	109.249		
6,850.00	6,757.62	6,771.12	6,711.16	31.36	32.69	-2.36	-785.79	-5,966.78	6,625.76	6,564.57	61.20	108.273		
6,900.00	6,793.70	6,814.59	6,754.61	31.61	32.86	-2.90	-785.24	-5,967.14	6,591.44	6,530.01	61.43	107.301		
6,950.00	6,826.95	6,837.25	6,777.27	31.88	32.94	-3.50	-784.90	-5,967.36	6,554.40	6,492.83	61.57	106.460		
7,000.00	6,857.18	6,862.18	6,802.20	32.19	33.03	-4.21	-784.47	-5,967.62	6,514.88	6,453.18	61.70	105.584		
7,050.00	6,884.18	6,884.57	6,824.59	32.52	33.12	-5.08	-784.05	-5,967.87	6,473.12	6,411.30	61.82	104.709		
7,100.00	6,907.81	6,904.85	6,844.86	32.90	33.19	-6.22	-783.63	-5,968.12	6,429.36	6,367.44	61.92	103.833		
7,150.00	6,927.91	6,924.01	6,864.01	33.32	33.27	-7.79	-783.22	-5,968.36	6,383.86	6,321.85	62.01	102.949		
7,200.00	6,944.36	6,939.80	6,879.80	33.77	33.33	-10.15	-782.88	-5,968.56	6,336.90	6,274.82	62.08	102.076		
7,250.00	6,957.05	6,952.14	6,892.14	34.27	33.37	-14.04	-782.62	-5,968.73	6,288.77	6,226.63	62.13	101.213		
7,300.00	6,965.92	6,960.95	6,900.94	34.80	33.41	-21.59	-782.43	-5,968.84	6,239.76	6,177.58	62.17	100.364		
7,350.00	6,970.89	6,966.15	6,906.14	35.37	33.43	-40.78	-782.32	-5,968.91	6,190.17	6,127.97	62.20	99.528		
7,396.89	6,972.00	6,967.73	6,907.72	35.93	33.43	-91.80	-782.28	-5,968.93	6,143.40	6,081.20	62.21	98.758		
7,400.00	6,971.96	6,967.73	6,907.72	35.97	33.43	-91.79	-782.28	-5,968.93	6,140.30	6,078.10	62.21	98.707		
7,500.00	6,970.65	6,967.67	6,907.66	37.28	33.43	-91.79	-782.28	-5,968.93	6,040.51	5,978.29	62.22	97.081		
7,600.00	6,969.33	6,967.62	6,907.61	38.76	33.43	-91.78	-782.29	-5,968.93	5,940.73	5,878.49	62.24	95.451		
7,700.00	6,968.02	6,967.56	6,907.55	40.39	33.43	-91.77	-782.29	-5,968.93	5,840.95	5,778.69	62.26	93.818		
7,800.00	6,966.70	6,967.50	6,907.49	42.15	33.43	-91.76	-782.29	-5,968.93	5,741.18	5,678.90	62.28	92.181		
7,900.00	6,965.39	6,967.45	6,907.44	44.02	33.43	-91.75	-782.29	-5,968.93	5,641.42	5,579.11	62.31	90.540		
8,000.00	6,964.07	6,967.39	6,907.38	45.99	33.43	-91.75	-782.29	-5,968.93	5,541.67	5,479.33	62.34	88.895		
8,100.00	6,962.76	6,967.33	6,907.32	48.05	33.43	-91.74	-782.29	-5,968.93	5,441.93	5,379.55	62.37	87.246		
8,200.00	6,961.45	6,967.28	6,907.27	50.19	33.43	-91.73	-782.29	-5,968.93	5,342.19	5,279.78	62.41	85.594		
8,300.00	6,960.13	6,967.22	6,907.21	52.39	33.43	-91.72	-782.29	-5,968.92	5,242.47	5,180.01	62.46	83.938		
8,400.00	6,958.82	6,967.16	6,907.15	54.65	33.43	-91.71	-782.30	-5,968.92	5,142.76	5,080.25	62.50	82.278		
8,500.00	6,957.50	6,967.10	6,907.09	56.97	33.43	-91.70	-782.30	-5,968.92	5,043.05	4,980.50	62.56	80.614		
8,600.00	6,956.19	6,967.05	6,907.04	59.33	33.43	-91.70	-782.30	-5,968.92	4,943.36	4,880.75	62.62	78.946		
8,700.00	6,954.87	6,966.99	6,906.98	61.73	33.43	-91.69	-782.30	-5,968.92	4,843.69	4,781.01	62.68	77.274		
8,800.00	6,953.56	6,966.93	6,906.92	64.16	33.43	-91.68	-782.30	-5,968.92	4,744.02	4,681.27	62.75	75.598		
8,900.00	6,952.24	6,966.87	6,906.86	66.63	33.43	-91.67	-782.30	-5,968.92	4,644.38	4,581.54	62.83	73.918		
9,000.00	6,950.93	6,966.82	6,906.81	69.13	33.43	-91.66	-782.30	-5,968.92	4,544.74	4,481.83	62.92	72.233		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	6,966.76	6,906.75	71.65	33.43	-91.65	-782.30	-5,968.92	4,445.13	4,382.11	63.01	70.544		
9,200.00	6,948.30	6,966.70	6,906.69	74.20	33.43	-91.64	-782.31	-5,968.92	4,345.53	4,282.41	63.12	68.851		
9,300.00	6,946.98	6,966.64	6,906.63	76.77	33.43	-91.64	-782.31	-5,968.92	4,245.95	4,182.72	63.23	67.153		
9,400.00	6,945.67	6,966.58	6,906.57	79.35	33.43	-91.63	-782.31	-5,968.92	4,146.39	4,083.04	63.35	65.450		
9,500.00	6,944.35	6,966.52	6,906.51	81.95	33.43	-91.62	-782.31	-5,968.92	4,046.85	3,983.36	63.49	63.743		
9,600.00	6,943.04	6,966.46	6,906.45	84.57	33.43	-91.61	-782.31	-5,968.91	3,947.33	3,883.70	63.64	62.030		
9,700.00	6,941.73	6,966.40	6,906.39	87.21	33.43	-91.60	-782.31	-5,968.91	3,847.85	3,784.05	63.80	60.313		
9,800.00	6,940.41	6,966.34	6,906.34	89.85	33.43	-91.59	-782.31	-5,968.91	3,748.38	3,684.41	63.98	58.590		
9,900.00	6,939.10	6,966.29	6,906.28	92.51	33.43	-91.58	-782.31	-5,968.91	3,648.95	3,584.78	64.17	56.862		
10,000.00	6,937.78	6,966.23	6,906.22	95.17	33.43	-91.58	-782.32	-5,968.91	3,549.55	3,485.16	64.39	55.129		
10,100.00	6,936.47	6,966.17	6,906.16	97.85	33.43	-91.57	-782.32	-5,968.91	3,450.18	3,385.56	64.62	53.389		
10,200.00	6,935.15	6,966.11	6,906.10	100.54	33.43	-91.56	-782.32	-5,968.91	3,350.85	3,285.97	64.88	51.644		
10,300.00	6,933.84	6,966.05	6,906.04	103.23	33.43	-91.55	-782.32	-5,968.91	3,251.56	3,186.39	65.17	49.893		
10,400.00	6,932.52	6,965.99	6,905.98	105.93	33.43	-91.54	-782.32	-5,968.91	3,152.32	3,086.83	65.49	48.136		
10,500.00	6,931.21	6,965.93	6,905.92	108.64	33.43	-91.53	-782.32	-5,968.91	3,053.13	2,987.29	65.84	46.373		
10,600.00	6,929.89	6,965.87	6,905.86	111.36	33.43	-91.52	-782.32	-5,968.91	2,953.99	2,887.76	66.23	44.604		
10,700.00	6,928.58	6,965.81	6,905.80	114.08	33.42	-91.51	-782.32	-5,968.91	2,854.91	2,788.25	66.66	42.829		
10,800.00	6,927.26	6,965.74	6,905.74	116.81	33.42	-91.51	-782.33	-5,968.91	2,755.90	2,688.76	67.14	41.047		
10,900.00	6,925.95	6,965.68	6,905.67	119.54	33.42	-91.50	-782.33	-5,968.90	2,656.96	2,589.28	67.68	39.260		
11,000.00	6,924.64	6,965.62	6,905.61	122.28	33.42	-91.49	-782.33	-5,968.90	2,558.10	2,489.83	68.27	37.468		
11,100.00	6,923.32	6,965.56	6,905.55	125.02	33.42	-91.48	-782.33	-5,968.90	2,459.34	2,390.39	68.95	35.671		
11,200.00	6,922.01	6,965.50	6,905.49	127.77	33.42	-91.47	-782.33	-5,968.90	2,360.68	2,290.98	69.70	33.869		
11,300.00	6,920.69	6,965.44	6,905.43	130.52	33.42	-91.46	-782.33	-5,968.90	2,262.14	2,191.59	70.55	32.065		
11,400.00	6,919.38	6,965.38	6,905.37	133.28	33.42	-91.45	-782.33	-5,968.90	2,163.73	2,092.22	71.51	30.258		
11,500.00	6,918.06	6,965.32	6,905.31	136.04	33.42	-91.44	-782.34	-5,968.90	2,065.48	1,992.88	72.60	28.451		
11,600.00	6,916.75	6,965.25	6,905.24	138.80	33.42	-91.43	-782.34	-5,968.90	1,967.40	1,893.56	73.84	26.646		
11,700.00	6,915.43	6,965.19	6,905.18	141.56	33.42	-91.43	-782.34	-5,968.90	1,869.52	1,794.28	75.25	24.845		
11,800.00	6,914.12	6,965.13	6,905.12	144.33	33.42	-91.42	-782.34	-5,968.90	1,771.88	1,695.02	76.87	23.051		
11,900.00	6,912.80	6,965.07	6,905.06	147.10	33.42	-91.41	-782.34	-5,968.90	1,674.53	1,595.80	78.73	21.270		
12,000.00	6,911.49	6,965.00	6,905.00	149.88	33.42	-91.40	-782.34	-5,968.90	1,577.50	1,496.62	80.88	19.504		
12,100.00	6,910.17	6,964.94	6,904.93	152.65	33.42	-91.39	-782.34	-5,968.89	1,480.86	1,397.48	83.38	17.760		
12,200.00	6,908.86	6,964.88	6,904.87	155.43	33.42	-91.38	-782.34	-5,968.89	1,384.71	1,298.41	86.30	16.046		
12,300.00	6,907.54	6,964.82	6,904.81	158.21	33.42	-91.37	-782.35	-5,968.89	1,289.14	1,199.41	89.72	14.368		
12,400.00	6,906.23	6,964.75	6,904.74	160.99	33.42	-91.36	-782.35	-5,968.89	1,194.29	1,100.52	93.77	12.736		
12,500.00	6,904.92	6,964.69	6,904.68	163.78	33.42	-91.35	-782.35	-5,968.89	1,100.36	1,001.78	98.58	11.162		
12,600.00	6,903.60	6,964.63	6,904.62	166.57	33.42	-91.34	-782.35	-5,968.89	1,007.60	903.25	104.35	9.656		
12,700.00	6,902.29	6,964.56	6,904.55	169.35	33.42	-91.33	-782.35	-5,968.89	916.36	805.05	111.31	8.233		
12,800.00	6,900.97	6,964.50	6,904.49	172.14	33.42	-91.32	-782.35	-5,968.89	827.15	707.39	119.76	6.907		
12,900.00	6,899.66	6,964.44	6,904.43	174.94	33.42	-91.31	-782.35	-5,968.89	740.70	610.62	130.08	5.694		
13,000.00	6,898.34	6,964.37	6,904.36	177.73	33.42	-91.31	-782.36	-5,968.89	658.10	515.42	142.68	4.612		
13,100.00	6,897.03	6,964.31	6,904.30	180.53	33.42	-91.30	-782.36	-5,968.89	581.00	423.08	157.91	3.679		
13,200.00	6,895.71	6,964.24	6,904.24	183.32	33.42	-91.29	-782.36	-5,968.89	511.87	336.12	175.76	2.912		
13,300.00	6,894.40	6,964.18	6,904.17	186.12	33.42	-91.28	-782.36	-5,968.88	454.40	259.29	195.10	2.329		
13,400.00	6,893.08	6,964.11	6,904.11	188.92	33.42	-91.27	-782.36	-5,968.88	413.44	200.71	212.73	1.944		
13,500.00	6,891.77	6,964.05	6,904.04	191.72	33.42	-91.26	-782.36	-5,968.88	394.20	170.91	223.30	1.765		
13,527.70	6,891.40	6,964.03	6,904.02	192.50	33.42	-91.26	-782.36	-5,968.88	393.23	168.93	224.30	1.753 CC, ES, SF		
13,600.00	6,890.45	6,963.99	6,903.98	194.52	33.42	-91.25	-782.36	-5,968.88	399.82	177.20	222.62	1.796		
13,700.00	6,889.14	6,963.92	6,903.91	197.32	33.42	-91.24	-782.37	-5,968.88	429.32	217.55	211.77	2.027		
13,800.00	6,887.82	6,963.85	6,903.85	200.13	33.42	-91.23	-782.37	-5,968.88	478.30	282.51	195.79	2.443		
13,900.00	6,886.51	6,963.79	6,903.78	202.93	33.42	-91.22	-782.37	-5,968.88	541.51	362.34	179.17	3.022		
14,000.00	6,885.20	6,963.72	6,903.72	205.74	33.42	-91.21	-782.37	-5,968.88	614.57	450.42	164.14	3.744		
14,100.00	6,883.88	6,963.66	6,903.65	208.55	33.42	-91.20	-782.37	-5,968.88	694.37	543.02	151.36	4.588		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,963.59	6,903.58	211.35	33.42	-91.19	-782.37	-5,968.88	778.85	638.14	140.72	5.535		
14,300.00	6,881.25	6,963.53	6,903.52	214.16	33.42	-91.18	-782.37	-5,968.88	866.65	734.73	131.92	6.570		
14,400.00	6,879.94	6,963.46	6,903.45	216.97	33.42	-91.17	-782.38	-5,968.87	956.84	832.22	124.61	7.678		
14,500.00	6,878.62	6,963.39	6,903.39	219.78	33.42	-91.16	-782.38	-5,968.87	1,048.81	930.29	118.52	8.849		
14,600.00	6,877.31	6,963.33	6,903.32	222.59	33.42	-91.15	-782.38	-5,968.87	1,142.13	1,028.73	113.39	10.072		
14,700.00	6,875.99	6,963.26	6,903.25	225.41	33.42	-91.14	-782.38	-5,968.87	1,236.49	1,127.45	109.05	11.339		
14,800.00	6,874.68	6,963.19	6,903.19	228.22	33.42	-91.13	-782.38	-5,968.87	1,331.68	1,226.35	105.34	12.642		
14,900.00	6,873.36	6,963.13	6,903.12	231.03	33.41	-91.12	-782.38	-5,968.87	1,427.53	1,325.39	102.14	13.976		
15,000.00	6,872.05	6,963.06	6,903.05	233.85	33.41	-91.11	-782.38	-5,968.87	1,523.91	1,424.53	99.38	15.335		
15,100.00	6,870.73	6,962.99	6,902.98	236.66	33.41	-91.10	-782.39	-5,968.87	1,620.73	1,523.76	96.96	16.715		
15,200.00	6,869.42	6,962.92	6,902.92	239.48	33.41	-91.09	-782.39	-5,968.87	1,717.91	1,623.06	94.85	18.112		
15,300.00	6,868.11	6,962.86	6,902.85	242.29	33.41	-91.08	-782.39	-5,968.87	1,815.40	1,722.41	92.99	19.523		
15,400.00	6,866.79	6,962.79	6,902.78	245.11	33.41	-91.07	-782.39	-5,968.87	1,913.15	1,821.81	91.34	20.945		
15,460.11	6,866.00	6,962.75	6,902.74	246.80	33.41	-91.07	-782.39	-5,968.87	1,972.02	1,881.58	90.44	21.805		
15,460.74	6,865.99	6,962.75	6,902.74	246.82	33.41	-91.07	-782.39	-5,968.87	1,972.63	1,882.20	90.43	21.814		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-103.62	-1,320.71	-5,448.92	5,606.69					
100.00	100.00	79.32	79.32	3.28	3.28	-103.62	-1,320.56	-5,449.14	5,606.93	5,600.36	6.57	853.509		
200.00	200.00	172.18	172.18	3.34	3.32	-103.62	-1,320.07	-5,449.80	5,607.50	5,600.84	6.66	842.063		
300.00	299.98	289.32	289.31	3.44	3.44	157.39	-1,319.07	-5,450.61	5,609.58	5,602.70	6.88	815.281		
400.00	399.84	414.69	414.66	3.60	3.64	157.40	-1,317.26	-5,451.12	5,614.47	5,607.23	7.24	775.967		
500.00	499.45	514.40	514.36	3.80	3.84	157.39	-1,315.42	-5,451.40	5,622.36	5,614.72	7.65	735.408		
584.50	583.35	596.97	596.91	4.01	4.04	157.37	-1,313.76	-5,451.66	5,631.53	5,623.48	8.05	699.703		
600.00	598.71	614.90	614.84	4.05	4.09	157.39	-1,313.38	-5,451.72	5,633.42	5,625.29	8.14	692.340		
700.00	697.81	743.23	743.13	4.33	4.44	157.48	-1,310.30	-5,451.90	5,645.39	5,636.63	8.76	644.191		
800.00	796.91	863.60	863.44	4.64	4.81	157.58	-1,306.57	-5,451.57	5,656.79	5,647.35	9.43	599.613		
900.00	896.01	900.00	899.82	4.98	4.92	157.61	-1,305.38	-5,451.45	5,668.44	5,658.56	9.88	573.979		
1,000.00	995.11	958.82	958.62	5.34	5.11	157.66	-1,304.02	-5,451.65	5,680.87	5,670.46	10.41	545.769		
1,100.00	1,094.21	1,000.00	999.80	5.71	5.25	157.68	-1,303.77	-5,452.29	5,694.55	5,683.65	10.90	522.340		
1,200.00	1,193.31	1,034.83	1,034.61	6.10	5.37	157.70	-1,304.05	-5,453.10	5,709.28	5,697.89	11.39	501.396		
1,300.00	1,292.41	1,100.00	1,099.73	6.49	5.59	157.72	-1,305.87	-5,455.12	5,725.14	5,713.15	11.99	477.599		
1,400.00	1,391.51	1,131.46	1,131.14	6.90	5.71	157.73	-1,307.20	-5,456.28	5,741.70	5,729.22	12.48	460.007		
1,500.00	1,490.61	1,200.00	1,199.55	7.31	5.96	157.74	-1,310.43	-5,458.92	5,758.88	5,745.76	13.12	438.945		
1,600.00	1,589.71	1,257.71	1,257.11	7.73	6.19	157.74	-1,313.82	-5,461.34	5,776.67	5,762.94	13.73	420.675		
1,700.00	1,688.81	1,315.20	1,314.37	8.16	6.42	157.73	-1,318.17	-5,464.02	5,795.24	5,780.88	14.35	403.801		
1,800.00	1,787.92	1,392.06	1,390.82	8.59	6.75	157.71	-1,325.19	-5,467.71	5,814.29	5,799.23	15.07	385.897		
1,900.00	1,887.02	1,433.50	1,431.98	9.02	6.94	157.69	-1,329.50	-5,469.82	5,833.98	5,818.34	15.64	372.988		
2,000.00	1,986.12	1,470.69	1,468.87	9.46	7.11	157.68	-1,333.67	-5,472.06	5,854.68	5,838.48	16.20	361.432		
2,100.00	2,085.22	1,500.00	1,497.90	9.90	7.25	157.66	-1,337.14	-5,474.05	5,876.41	5,859.69	16.72	351.463		
2,200.00	2,184.32	1,535.80	1,533.31	10.34	7.43	157.64	-1,341.64	-5,476.84	5,899.20	5,881.92	17.28	341.460		
2,300.00	2,283.42	1,565.23	1,562.36	10.78	7.58	157.62	-1,345.55	-5,479.45	5,923.12	5,905.32	17.80	332.758		
2,400.00	2,382.52	1,600.00	1,596.61	11.23	7.76	157.60	-1,350.43	-5,482.92	5,948.16	5,929.81	18.35	324.196		
2,500.00	2,481.62	1,600.00	1,596.61	11.68	7.76	157.60	-1,350.43	-5,482.92	5,974.43	5,955.71	18.72	319.140		
2,600.00	2,580.72	1,655.97	1,651.55	12.13	8.09	157.56	-1,359.03	-5,489.27	6,001.44	5,982.05	19.39	309.584		
2,700.00	2,679.82	1,700.00	1,694.57	12.58	8.36	157.52	-1,366.54	-5,494.87	6,029.71	6,009.72	19.99	301.704		
2,800.00	2,778.92	1,743.49	1,736.94	13.03	8.64	157.48	-1,374.46	-5,500.66	6,058.80	6,038.21	20.60	294.155		
2,900.00	2,878.02	1,816.13	1,807.56	13.48	9.13	157.41	-1,388.47	-5,510.29	6,088.32	6,066.94	21.38	284.764		
3,000.00	2,977.12	1,875.17	1,864.87	13.94	9.53	157.34	-1,400.15	-5,518.35	6,118.33	6,096.24	22.09	276.964		
3,100.00	3,076.22	1,900.00	1,888.95	14.39	9.71	157.31	-1,405.08	-5,521.83	6,149.07	6,126.48	22.59	272.197		
3,200.00	3,175.32	1,954.27	1,941.46	14.85	10.11	157.25	-1,416.21	-5,529.86	6,180.54	6,157.26	23.28	265.493		
3,300.00	3,274.43	2,000.00	1,985.51	15.30	10.45	157.20	-1,426.10	-5,537.14	6,213.06	6,189.15	23.91	259.838		
3,400.00	3,373.53	2,076.21	2,058.77	15.76	11.05	157.11	-1,443.00	-5,549.58	6,246.17	6,221.42	24.76	252.301		
3,500.00	3,472.63	2,206.54	2,184.28	16.22	12.05	156.95	-1,471.17	-5,570.52	6,278.99	6,253.03	25.96	241.890		
3,600.00	3,571.73	2,279.39	2,254.55	16.68	12.60	156.87	-1,486.41	-5,582.28	6,311.71	6,284.94	26.77	235.784		
3,700.00	3,670.83	2,376.98	2,348.61	17.14	13.34	156.76	-1,507.07	-5,598.12	6,344.61	6,316.86	27.75	228.633		
3,800.00	3,769.93	2,479.38	2,447.28	17.59	14.12	156.65	-1,528.95	-5,614.53	6,377.37	6,348.61	28.77	221.676		
3,900.00	3,869.03	2,569.51	2,534.11	18.05	14.81	156.55	-1,548.43	-5,628.86	6,410.12	6,380.40	29.71	215.740		
4,000.00	3,968.13	4,000.00	2,711.45	18.51	25.38	156.33	-1,589.68	-5,656.87	6,442.61	6,403.83	38.78	166.148		
4,100.00	4,067.23	2,888.97	2,841.99	18.98	17.16	156.17	-1,619.60	-5,675.59	6,473.54	6,440.96	32.57	198.746		
4,200.00	4,166.33	2,962.29	2,912.75	19.44	17.68	156.08	-1,635.89	-5,685.76	6,504.62	6,471.22	33.40	194.732		
4,300.00	4,265.43	3,054.77	3,002.05	19.90	18.34	155.98	-1,656.02	-5,698.95	6,535.97	6,501.61	34.36	190.241		
4,400.00	4,364.53	4,400.00	3,127.39	20.36	27.47	155.85	-1,682.29	-5,717.37	6,566.89	6,524.55	42.33	155.124		
4,500.00	4,463.63	3,299.29	3,238.92	20.82	20.00	155.73	-1,706.23	-5,733.04	6,597.38	6,560.75	36.63	180.109		
4,600.00	4,562.73	3,437.16	3,372.52	21.28	20.90	155.59	-1,735.30	-5,750.72	6,627.11	6,589.24	37.87	174.985		
4,700.00	4,661.83	3,500.00	3,433.38	21.75	21.32	155.52	-1,748.52	-5,759.11	6,657.42	6,618.80	38.62	172.399		
4,800.00	4,760.93	3,581.92	3,512.70	22.21	21.87	155.44	-1,765.66	-5,770.36	6,688.11	6,648.62	39.49	169.374		
4,900.00	4,860.04	3,636.22	3,565.24	22.67	22.25	155.38	-1,777.11	-5,777.80	6,718.93	6,678.75	40.18	167.211		
5,000.00	4,959.14	3,700.00	3,626.62	23.13	22.71	155.31	-1,791.95	-5,786.79	6,750.56	6,709.62	40.95	164.865		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	3,728.28	3,653.72	23.60	22.93	155.27	-1,798.89	-5,790.87	6,782.76	6,741.30	41.47	163.570		
5,200.00	5,157.34	3,786.13	3,709.12	24.06	23.38	155.20	-1,813.25	-5,799.40	6,815.59	6,773.38	42.21	161.478		
5,300.00	5,256.44	3,853.18	3,773.25	24.52	23.91	155.11	-1,829.94	-5,809.59	6,848.88	6,805.86	43.02	159.213		
5,400.00	5,355.54	3,989.37	3,903.81	24.99	24.98	154.95	-1,862.27	-5,830.90	6,882.37	6,838.03	44.34	155.228		
5,500.00	5,454.64	5,500.00	4,091.38	25.45	35.48	154.77	-1,903.44	-5,859.96	6,914.24	6,860.81	53.43	129.396		
5,600.00	5,553.74	4,305.81	4,209.79	25.92	27.20	154.66	-1,928.08	-5,877.51	6,945.42	6,898.28	47.14	147.343		
5,700.00	5,652.84	4,392.03	4,293.30	26.38	27.78	154.59	-1,945.61	-5,889.87	6,976.68	6,928.65	48.03	145.254		
5,800.00	5,751.94	4,453.37	4,352.60	26.84	28.21	154.53	-1,958.60	-5,898.67	7,008.21	6,959.45	48.76	143.721		
5,900.00	5,851.04	4,519.70	4,416.60	27.31	28.68	154.47	-1,973.08	-5,908.40	7,040.23	6,990.69	49.53	142.138		
6,000.00	5,950.14	4,600.00	4,494.02	27.77	29.26	154.39	-1,990.83	-5,920.21	7,072.40	7,022.00	50.40	140.314		
6,100.00	6,049.24	4,654.46	4,546.49	28.24	29.67	154.34	-2,002.85	-5,928.43	7,104.98	7,053.89	51.09	139.066		
6,200.00	6,148.34	6,181.26	6,050.70	28.70	36.91	154.02	-2,172.04	-6,054.93	7,124.76	7,065.36	59.40	119.943		
6,304.69	6,252.09	6,300.87	6,170.30	29.19	37.27	154.07	-2,173.45	-6,056.17	7,138.76	7,078.46	60.30	118.382		
6,350.00	6,297.17	6,367.60	6,237.03	29.39	37.47	142.12	-2,174.28	-6,056.67	7,143.15	7,082.41	60.74	117.598		
6,400.00	6,347.13	6,423.11	6,292.53	29.59	37.64	40.71	-2,174.90	-6,056.96	7,144.26	7,083.12	61.14	116.846		
6,450.00	6,397.02	6,464.16	6,333.58	29.78	37.77	0.47	-2,175.34	-6,057.21	7,141.61	7,080.14	61.47	116.180		
6,500.00	6,446.53	6,508.89	6,378.31	29.96	37.90	-6.29	-2,175.80	-6,057.55	7,135.24	7,073.44	61.80	115.462		
6,550.00	6,495.35	6,581.26	6,450.67	30.14	38.12	-9.12	-2,176.58	-6,057.96	7,125.05	7,062.84	62.21	114.526		
6,600.00	6,543.19	6,637.84	6,507.24	30.33	38.30	-10.86	-2,177.28	-6,058.12	7,111.06	7,048.50	62.56	113.668		
6,650.00	6,589.76	6,687.87	6,557.27	30.52	38.45	-12.18	-2,178.11	-6,058.16	7,093.46	7,030.58	62.87	112.827		
6,700.00	6,634.75	6,721.26	6,590.65	30.71	38.56	-13.36	-2,178.77	-6,058.16	7,072.39	7,009.28	63.11	112.066		
6,750.00	6,677.90	6,748.53	6,617.92	30.91	38.64	-14.53	-2,179.34	-6,058.22	7,048.07	6,984.76	63.31	111.321		
6,800.00	6,718.94	6,774.55	6,643.93	31.13	38.72	-15.77	-2,179.90	-6,058.33	7,020.65	6,957.15	63.50	110.561		
6,850.00	6,757.62	6,800.00	6,669.37	31.36	38.80	-17.16	-2,180.47	-6,058.48	6,990.27	6,926.60	63.67	109.784		
6,900.00	6,793.70	6,882.86	6,752.21	31.61	39.06	-18.94	-2,182.44	-6,058.76	6,956.98	6,892.93	64.04	108.630		
6,950.00	6,826.95	6,950.00	6,786.63	31.88	39.28	-20.87	-2,182.79	-6,058.73	6,920.94	6,856.59	64.35	107.558		
7,000.00	6,857.18	6,924.39	6,793.72	32.19	39.20	-23.28	-2,183.45	-6,058.75	6,882.53	6,818.23	64.31	107.028		
7,050.00	6,884.18	6,936.24	6,805.57	32.52	39.23	-26.20	-2,183.73	-6,058.80	6,842.05	6,777.66	64.39	106.254		
7,100.00	6,907.81	6,946.71	6,816.04	32.90	39.27	-29.91	-2,183.97	-6,058.87	6,799.70	6,735.23	64.47	105.470		
7,150.00	6,927.91	6,955.72	6,825.05	33.32	39.30	-34.68	-2,184.17	-6,058.95	6,755.73	6,691.20	64.54	104.679		
7,200.00	6,944.36	6,963.21	6,832.53	33.77	39.32	-40.96	-2,184.34	-6,059.03	6,710.40	6,645.80	64.60	103.881		
7,250.00	6,957.05	6,969.10	6,838.42	34.27	39.34	-49.29	-2,184.47	-6,059.10	6,663.96	6,599.31	64.65	103.077		
7,300.00	6,965.92	6,973.34	6,842.66	34.80	39.35	-60.22	-2,184.56	-6,059.15	6,616.70	6,552.00	64.70	102.270		
7,350.00	6,970.89	6,975.89	6,845.21	35.37	39.36	-73.93	-2,184.61	-6,059.19	6,568.90	6,504.16	64.74	101.459		
7,396.89	6,972.00	6,976.70	6,846.02	35.93	39.36	-88.45	-2,184.63	-6,059.20	6,523.84	6,459.05	64.79	100.699		
7,400.00	6,971.96	6,976.70	6,846.02	35.97	39.36	-88.45	-2,184.63	-6,059.20	6,520.85	6,456.06	64.79	100.648		
7,500.00	6,970.65	6,976.78	6,846.10	37.28	39.36	-88.45	-2,184.63	-6,059.20	6,424.76	6,359.87	64.89	99.009		
7,600.00	6,969.33	6,976.87	6,846.18	38.76	39.36	-88.45	-2,184.64	-6,059.20	6,328.79	6,263.77	65.02	97.334		
7,700.00	6,968.02	6,976.95	6,846.27	40.39	39.36	-88.46	-2,184.64	-6,059.20	6,232.95	6,167.76	65.18	95.624		
7,800.00	6,966.70	6,977.04	6,846.36	42.15	39.36	-88.46	-2,184.64	-6,059.20	6,137.23	6,071.86	65.37	93.879		
7,900.00	6,965.39	6,977.13	6,846.44	44.02	39.36	-88.46	-2,184.64	-6,059.20	6,041.66	5,976.06	65.60	92.097		
8,000.00	6,964.07	6,977.22	6,846.53	45.99	39.36	-88.46	-2,184.64	-6,059.20	5,946.24	5,880.37	65.86	90.280		
8,100.00	6,962.76	6,977.31	6,846.63	48.05	39.36	-88.47	-2,184.64	-6,059.21	5,850.96	5,784.80	66.17	88.428		
8,200.00	6,961.45	6,977.40	6,846.72	50.19	39.36	-88.47	-2,184.65	-6,059.21	5,755.85	5,689.34	66.51	86.542		
8,300.00	6,960.13	6,977.50	6,846.82	52.39	39.36	-88.47	-2,184.65	-6,059.21	5,660.90	5,594.01	66.90	84.623		
8,400.00	6,958.82	6,977.60	6,846.91	54.65	39.37	-88.48	-2,184.65	-6,059.21	5,566.13	5,498.81	67.33	82.673		
8,500.00	6,957.50	6,977.70	6,847.01	56.97	39.37	-88.48	-2,184.65	-6,059.21	5,471.55	5,403.74	67.81	80.693		
8,600.00	6,956.19	6,977.80	6,847.12	59.33	39.37	-88.48	-2,184.66	-6,059.21	5,377.17	5,308.83	68.34	78.685		
8,700.00	6,954.87	6,977.90	6,847.22	61.73	39.37	-88.49	-2,184.66	-6,059.21	5,282.99	5,214.06	68.92	76.652		
8,800.00	6,953.56	6,978.01	6,847.33	64.16	39.37	-88.49	-2,184.66	-6,059.22	5,189.02	5,119.46	69.56	74.597		
8,900.00	6,952.24	6,978.12	6,847.44	66.63	39.37	-88.49	-2,184.66	-6,059.22	5,095.29	5,025.03	70.26	72.522		
9,000.00	6,950.93	6,978.23	6,847.55	69.13	39.37	-88.50	-2,184.66	-6,059.22	5,001.80	4,930.79	71.02	70.430		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	6,978.34	6,847.66	71.65	39.37	-88.50	-2,184.67	-6,059.22	4,908.57	4,836.73	71.84	68.324		
9,200.00	6,948.30	6,978.46	6,847.78	74.20	39.37	-88.50	-2,184.67	-6,059.22	4,815.61	4,742.88	72.73	66.210		
9,300.00	6,946.98	6,978.58	6,847.90	76.77	39.37	-88.51	-2,184.67	-6,059.22	4,722.94	4,649.24	73.69	64.089		
9,400.00	6,945.67	6,978.70	6,848.02	79.35	39.37	-88.51	-2,184.67	-6,059.23	4,630.57	4,555.84	74.73	61.966		
9,500.00	6,944.35	6,978.82	6,848.14	81.95	39.37	-88.52	-2,184.68	-6,059.23	4,538.52	4,462.68	75.84	59.844		
9,600.00	6,943.04	6,978.95	6,848.27	84.57	39.37	-88.52	-2,184.68	-6,059.23	4,446.82	4,369.79	77.03	57.728		
9,700.00	6,941.73	6,979.08	6,848.40	87.21	39.37	-88.52	-2,184.68	-6,059.23	4,355.49	4,277.18	78.30	55.622		
9,800.00	6,940.41	6,979.22	6,848.53	89.85	39.37	-88.53	-2,184.69	-6,059.23	4,264.54	4,184.87	79.67	53.529		
9,900.00	6,939.10	6,979.35	6,848.67	92.51	39.37	-88.53	-2,184.69	-6,059.24	4,174.01	4,092.89	81.12	51.454		
10,000.00	6,937.78	6,979.49	6,848.81	95.17	39.37	-88.54	-2,184.69	-6,059.24	4,083.91	4,001.24	82.67	49.400		
10,100.00	6,936.47	6,979.64	6,848.96	97.85	39.37	-88.54	-2,184.69	-6,059.24	3,994.29	3,909.98	84.32	47.371		
10,200.00	6,935.15	6,979.79	6,849.11	100.54	39.37	-88.55	-2,184.70	-6,059.24	3,905.18	3,819.10	86.07	45.370		
10,300.00	6,933.84	6,979.94	6,849.26	103.23	39.37	-88.55	-2,184.70	-6,059.24	3,816.60	3,728.66	87.94	43.401		
10,400.00	6,932.52	6,980.10	6,849.41	105.93	39.37	-88.56	-2,184.70	-6,059.25	3,728.60	3,638.69	89.92	41.467		
10,500.00	6,931.21	6,980.26	6,849.57	108.64	39.37	-88.56	-2,184.71	-6,059.25	3,641.22	3,549.21	92.02	39.571		
10,600.00	6,929.89	6,980.42	6,849.74	111.36	39.37	-88.57	-2,184.71	-6,059.25	3,554.51	3,460.27	94.24	37.717		
10,700.00	6,928.58	6,980.59	6,849.91	114.08	39.37	-88.57	-2,184.71	-6,059.25	3,468.51	3,371.91	96.60	35.906		
10,800.00	6,927.26	6,980.76	6,850.08	116.81	39.38	-88.58	-2,184.72	-6,059.26	3,383.28	3,284.19	99.10	34.141		
10,900.00	6,925.95	6,980.94	6,850.26	119.54	39.38	-88.58	-2,184.72	-6,059.26	3,298.88	3,197.14	101.74	32.424		
11,000.00	6,924.64	6,981.13	6,850.44	122.28	39.38	-88.59	-2,184.73	-6,059.26	3,215.38	3,110.84	104.54	30.758		
11,100.00	6,923.32	6,981.32	6,850.63	125.02	39.38	-88.60	-2,184.73	-6,059.26	3,132.84	3,025.35	107.49	29.145		
11,200.00	6,922.01	6,981.51	6,850.83	127.77	39.38	-88.60	-2,184.73	-6,059.27	3,051.35	2,940.73	110.62	27.585		
11,300.00	6,920.69	6,981.71	6,851.03	130.52	39.38	-88.61	-2,184.74	-6,059.27	2,970.99	2,857.07	113.91	26.081		
11,400.00	6,919.38	6,981.92	6,851.23	133.28	39.38	-88.62	-2,184.74	-6,059.27	2,891.85	2,774.46	117.39	24.634		
11,500.00	6,918.06	6,982.13	6,851.45	136.04	39.38	-88.62	-2,184.75	-6,059.28	2,814.04	2,692.98	121.06	23.245		
11,600.00	6,916.75	6,982.35	6,851.67	138.80	39.38	-88.63	-2,184.75	-6,059.28	2,737.67	2,612.75	124.92	21.915		
11,700.00	6,915.43	6,982.58	6,851.89	141.56	39.38	-88.64	-2,184.76	-6,059.28	2,662.87	2,533.88	128.99	20.644		
11,800.00	6,914.12	6,982.81	6,852.13	144.33	39.38	-88.64	-2,184.76	-6,059.29	2,589.77	2,456.51	133.26	19.434		
11,900.00	6,912.80	6,983.05	6,852.37	147.10	39.38	-88.65	-2,184.77	-6,059.29	2,518.52	2,380.78	137.74	18.285		
12,000.00	6,911.49	6,983.30	6,852.62	149.88	39.38	-88.66	-2,184.77	-6,059.30	2,449.28	2,306.85	142.43	17.196		
12,100.00	6,910.17	6,983.56	6,852.88	152.65	39.38	-88.67	-2,184.78	-6,059.30	2,382.23	2,234.90	147.33	16.169		
12,200.00	6,908.86	6,983.83	6,853.15	155.43	39.38	-88.68	-2,184.78	-6,059.30	2,317.55	2,165.11	152.43	15.204		
12,300.00	6,907.54	6,984.11	6,853.42	158.21	39.39	-88.69	-2,184.79	-6,059.31	2,255.45	2,097.72	157.73	14.299		
12,400.00	6,906.23	6,984.40	6,853.71	160.99	39.39	-88.69	-2,184.79	-6,059.31	2,196.15	2,032.94	163.21	13.456		
12,500.00	6,904.92	6,984.69	6,854.01	163.78	39.39	-88.70	-2,184.80	-6,059.32	2,139.89	1,971.04	168.85	12.673		
12,600.00	6,903.60	6,985.00	6,854.32	166.57	39.39	-88.71	-2,184.81	-6,059.32	2,086.90	1,912.28	174.62	11.951		
12,700.00	6,902.29	6,985.32	6,854.64	169.35	39.39	-88.72	-2,184.81	-6,059.33	2,037.44	1,856.95	180.49	11.288		
12,800.00	6,900.97	6,985.66	6,854.97	172.14	39.39	-88.73	-2,184.82	-6,059.33	1,991.78	1,805.37	186.41	10.685		
12,900.00	6,899.66	6,986.00	6,855.32	174.94	39.39	-88.75	-2,184.83	-6,059.34	1,950.19	1,757.85	192.34	10.139		
13,000.00	6,898.34	6,986.36	6,855.68	177.73	39.39	-88.76	-2,184.84	-6,059.34	1,912.92	1,714.72	198.20	9.651		
13,100.00	6,897.03	6,986.74	6,856.05	180.53	39.39	-88.77	-2,184.84	-6,059.35	1,880.24	1,676.30	203.94	9.220		
13,200.00	6,895.71	6,987.13	6,856.44	183.32	39.40	-88.78	-2,184.85	-6,059.36	1,852.38	1,642.91	209.47	8.843		
13,300.00	6,894.40	6,987.54	6,856.85	186.12	39.40	-88.79	-2,184.86	-6,059.36	1,829.57	1,614.86	214.71	8.521		
13,400.00	6,893.08	6,987.96	6,857.28	188.92	39.40	-88.81	-2,184.87	-6,059.37	1,812.01	1,592.40	219.60	8.251		
13,500.00	6,891.77	6,988.41	6,857.72	191.72	39.40	-88.82	-2,184.88	-6,059.38	1,799.83	1,575.77	224.06	8.033		
13,600.00	6,890.45	6,988.87	6,858.19	194.52	39.40	-88.84	-2,184.89	-6,059.39	1,793.16	1,565.14	228.01	7.864		
13,669.88	6,889.54	6,989.21	6,858.53	196.48	39.40	-88.85	-2,184.89	-6,059.39	1,791.80	1,561.34	230.45	7.775 CC		
13,700.00	6,889.14	6,989.36	6,858.68	197.32	39.40	-88.85	-2,184.90	-6,059.39	1,792.05	1,560.63	231.41	7.744 ES		
13,800.00	6,887.82	6,989.87	6,859.19	200.13	39.40	-88.87	-2,184.91	-6,059.40	1,796.51	1,562.29	234.22	7.670		
13,900.00	6,886.51	6,990.41	6,859.72	202.93	39.41	-88.89	-2,184.92	-6,059.41	1,806.51	1,570.10	236.41	7.641 SF		
14,000.00	6,885.20	6,990.97	6,860.28	205.74	39.41	-88.90	-2,184.93	-6,059.42	1,821.95	1,583.97	237.99	7.656		
14,100.00	6,883.88	6,991.56	6,860.88	208.55	39.41	-88.92	-2,184.94	-6,059.43	1,842.70	1,603.75	238.95	7.712		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,992.19	6,861.50	211.35	39.41	-88.94	-2,184.96	-6,059.44	1,868.57	1,629.23	239.34	7.807		
14,300.00	6,881.25	6,992.84	6,862.16	214.16	39.41	-88.96	-2,184.97	-6,059.45	1,899.36	1,660.18	239.18	7.941		
14,400.00	6,879.94	6,993.54	6,862.85	216.97	39.42	-88.99	-2,184.98	-6,059.47	1,934.84	1,696.30	238.54	8.111		
14,500.00	6,878.62	6,994.27	6,863.59	219.78	39.42	-89.01	-2,185.00	-6,059.48	1,974.75	1,737.28	237.46	8.316		
14,600.00	6,877.31	6,995.05	6,864.37	222.59	39.42	-89.04	-2,185.02	-6,059.49	2,018.82	1,782.81	236.01	8.554		
14,700.00	6,875.99	6,995.88	6,865.19	225.41	39.42	-89.06	-2,185.03	-6,059.51	2,066.80	1,832.56	234.24	8.823		
14,800.00	6,874.68	6,996.76	6,866.07	228.22	39.43	-89.09	-2,185.05	-6,059.52	2,118.41	1,886.21	232.21	9.123		
14,900.00	6,873.36	6,997.70	6,867.01	231.03	39.43	-89.12	-2,185.07	-6,059.54	2,173.41	1,943.44	229.96	9.451		
15,000.00	6,872.05	6,998.70	6,868.01	233.85	39.43	-89.15	-2,185.09	-6,059.56	2,231.53	2,003.97	227.56	9.806		
15,100.00	6,870.73	6,999.77	6,869.08	236.66	39.44	-89.19	-2,185.11	-6,059.58	2,292.54	2,067.50	225.04	10.187		
15,200.00	6,869.42	7,000.92	6,870.23	239.48	39.44	-89.22	-2,185.13	-6,059.60	2,356.21	2,133.78	222.43	10.593		
15,300.00	6,868.11	7,002.15	6,871.46	242.29	39.44	-89.26	-2,185.16	-6,059.63	2,422.34	2,202.57	219.77	11.022		
15,400.00	6,866.79	7,003.48	6,872.79	245.11	39.45	-89.30	-2,185.19	-6,059.65	2,490.73	2,273.65	217.09	11.473		
15,460.11	6,866.00	7,004.34	6,873.65	246.80	39.45	-89.33	-2,185.20	-6,059.67	2,532.86	2,317.39	215.47	11.755		
15,460.74	6,865.99	7,004.35	6,873.65	246.82	39.45	-89.33	-2,185.20	-6,059.67	2,533.30	2,317.84	215.45	11.758		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	10.28	10.28	3.28	3.28	-103.73	-1,331.64	-5,448.92	5,609.28					
100.00	100.00	154.35	154.35	3.28	3.31	-103.73	-1,331.55	-5,447.83	5,608.42	5,601.82	6.60	850.321		
200.00	200.00	242.62	242.61	3.34	3.38	-103.74	-1,331.52	-5,447.14	5,607.65	5,600.93	6.72	834.484		
220.70	220.70	262.08	262.07	3.35	3.40	157.26	-1,331.52	-5,447.00	5,607.58	5,600.82	6.76	829.672		
300.00	299.98	331.76	331.75	3.44	3.50	157.26	-1,331.54	-5,446.56	5,608.64	5,601.70	6.94	808.378		
400.00	399.84	415.70	415.69	3.60	3.64	157.24	-1,331.55	-5,446.27	5,613.14	5,605.90	7.23	775.862		
500.00	499.45	515.42	515.41	3.80	3.84	157.22	-1,331.47	-5,446.10	5,620.99	5,613.34	7.64	735.449		
584.50	583.35	615.88	615.87	4.01	4.08	157.19	-1,331.30	-5,445.77	5,629.98	5,621.89	8.09	695.957		
600.00	598.71	624.44	624.43	4.05	4.10	157.20	-1,331.29	-5,445.74	5,631.84	5,623.68	8.15	690.657		
700.00	697.81	709.47	709.46	4.33	4.33	157.24	-1,331.22	-5,445.53	5,643.93	5,635.28	8.66	651.927		
800.00	796.91	798.01	798.00	4.64	4.59	157.29	-1,331.25	-5,445.49	5,656.25	5,647.04	9.22	613.794		
900.00	896.01	865.16	865.15	4.98	4.79	157.32	-1,331.58	-5,445.64	5,668.94	5,659.20	9.74	581.765		
1,000.00	995.11	900.00	899.98	5.34	4.90	157.34	-1,331.98	-5,445.82	5,682.33	5,672.13	10.20	557.287		
1,100.00	1,094.21	955.32	955.28	5.71	5.08	157.35	-1,333.37	-5,446.46	5,696.58	5,685.84	10.73	530.655		
1,200.00	1,193.31	1,000.00	999.90	6.10	5.24	157.36	-1,335.41	-5,447.42	5,711.98	5,700.73	11.25	507.617		
1,300.00	1,292.41	1,035.92	1,035.74	6.49	5.37	157.36	-1,337.62	-5,448.43	5,728.37	5,716.61	11.76	487.113		
1,400.00	1,391.51	1,100.00	1,099.57	6.90	5.62	157.35	-1,342.79	-5,450.64	5,745.78	5,733.40	12.38	464.053		
1,500.00	1,490.61	1,126.19	1,125.61	7.31	5.74	157.34	-1,345.36	-5,451.68	5,763.97	5,751.09	12.88	447.637		
1,600.00	1,589.71	1,172.61	1,171.70	7.73	5.94	157.32	-1,350.57	-5,453.70	5,783.11	5,769.65	13.46	429.597		
1,700.00	1,688.81	1,223.25	1,221.85	8.16	6.18	157.28	-1,357.19	-5,456.15	5,803.11	5,789.03	14.08	412.180		
1,800.00	1,787.92	1,280.13	1,278.03	8.59	6.47	157.24	-1,365.50	-5,459.09	5,823.84	5,809.10	14.74	395.047		
1,900.00	1,887.02	1,327.47	1,324.68	9.02	6.73	157.19	-1,373.08	-5,461.72	5,845.31	5,829.94	15.37	380.285		
2,000.00	1,986.12	1,369.55	1,366.06	9.46	6.96	157.15	-1,380.33	-5,464.35	5,867.70	5,851.72	15.98	367.186		
2,100.00	2,085.22	1,423.88	1,419.32	9.90	7.28	157.09	-1,390.37	-5,468.10	5,890.98	5,874.31	16.66	353.520		
2,200.00	2,184.32	1,500.00	1,493.75	10.34	7.74	157.00	-1,405.44	-5,473.32	5,914.64	5,897.15	17.48	338.294		
2,300.00	2,283.42	1,563.39	1,555.55	10.78	8.14	156.91	-1,418.82	-5,477.75	5,938.77	5,920.52	18.25	325.446		
2,400.00	2,382.52	1,632.74	1,622.95	11.23	8.59	156.81	-1,434.34	-5,482.85	5,963.55	5,944.49	19.06	312.854		
2,500.00	2,481.62	1,700.00	1,688.06	11.68	9.04	156.70	-1,450.52	-5,487.59	5,988.58	5,968.70	19.88	301.299		
2,600.00	2,580.72	1,763.08	1,748.83	12.13	9.50	156.58	-1,466.86	-5,492.03	6,014.14	5,993.45	20.69	290.611		
2,700.00	2,679.82	1,800.00	1,784.21	12.58	9.77	156.51	-1,477.03	-5,494.76	6,040.55	6,019.22	21.33	283.228		
2,800.00	2,778.92	1,856.92	1,838.52	13.03	10.22	156.39	-1,493.45	-5,499.21	6,067.72	6,045.58	22.13	274.165		
2,900.00	2,878.02	1,900.00	1,879.44	13.48	10.56	156.30	-1,506.45	-5,502.79	6,095.72	6,072.90	22.83	267.038		
3,000.00	2,977.12	1,952.40	1,928.97	13.94	11.02	156.18	-1,522.93	-5,507.36	6,124.50	6,100.88	23.62	259.280		
3,100.00	3,076.22	2,000.00	1,973.72	14.39	11.44	156.07	-1,538.57	-5,511.65	6,154.03	6,129.65	24.37	252.494		
3,200.00	3,175.32	2,063.38	2,032.97	14.85	12.04	155.91	-1,560.33	-5,517.46	6,184.19	6,158.90	25.29	244.505		
3,300.00	3,274.43	2,119.42	2,085.04	15.30	12.58	155.76	-1,580.39	-5,522.63	6,214.93	6,188.78	26.15	237.637		
3,400.00	3,373.53	2,167.94	2,129.92	15.76	13.06	155.63	-1,598.22	-5,527.28	6,246.38	6,219.43	26.96	231.729		
3,500.00	3,472.63	2,200.00	2,159.48	16.22	13.39	155.55	-1,610.22	-5,530.48	6,278.60	6,251.01	27.59	227.527		
3,600.00	3,571.73	2,259.07	2,213.73	16.68	14.02	155.38	-1,632.75	-5,536.65	6,311.53	6,283.01	28.52	221.328		
3,700.00	3,670.83	2,300.00	2,251.16	17.14	14.45	155.27	-1,648.69	-5,541.16	6,345.26	6,316.01	29.25	216.930		
3,800.00	3,769.93	2,349.38	2,296.14	17.59	15.02	155.12	-1,668.24	-5,546.85	6,379.75	6,349.66	30.09	212.037		
3,900.00	3,869.03	2,400.00	2,342.07	18.05	15.59	154.98	-1,688.66	-5,552.93	6,414.98	6,384.04	30.93	207.371		
4,000.00	3,968.13	2,455.34	2,392.05	18.51	16.26	154.81	-1,711.42	-5,559.73	6,450.83	6,418.98	31.85	202.510		
4,100.00	4,067.23	2,500.00	2,432.22	18.98	16.79	154.68	-1,730.14	-5,565.25	6,487.22	6,454.58	32.65	198.695		
4,200.00	4,166.33	2,554.04	2,480.54	19.44	17.49	154.51	-1,753.37	-5,572.03	6,524.26	6,490.68	33.58	194.269		
4,300.00	4,265.43	2,600.00	2,521.31	19.90	18.09	154.36	-1,773.74	-5,577.94	6,562.08	6,527.66	34.42	190.672		
4,400.00	4,364.53	2,649.73	2,565.18	20.36	18.77	154.20	-1,796.23	-5,584.47	6,600.57	6,565.25	35.32	186.867		
4,500.00	4,463.63	2,710.15	2,618.28	20.82	19.61	154.01	-1,823.90	-5,592.54	6,639.62	6,603.26	36.36	182.605		
4,600.00	4,562.73	2,854.57	2,745.74	21.28	21.58	153.55	-1,888.95	-5,611.95	6,678.68	6,640.23	38.44	173.725		
4,700.00	4,661.83	2,935.23	2,817.65	21.75	22.64	153.31	-1,923.83	-5,622.86	6,717.28	6,677.59	39.69	169.255		
4,800.00	4,760.93	2,981.07	2,858.50	22.21	23.24	153.18	-1,943.61	-5,629.34	6,756.49	6,715.99	40.50	166.842		
4,900.00	4,860.04	3,255.33	3,105.57	22.67	26.62	152.45	-2,055.97	-5,668.38	6,795.60	6,751.72	43.88	154.851		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	3,650.77	3,468.72	23.13	30.70	151.52	-2,205.09	-5,715.26	6,832.00	6,783.91	48.09	142.068		
5,100.00	5,058.24	3,700.00	3,514.28	23.60	31.15	151.41	-2,223.13	-5,719.97	6,865.40	6,816.57	48.82	140.622		
5,200.00	5,157.34	3,743.53	3,554.35	24.06	31.59	151.31	-2,239.61	-5,724.21	6,899.49	6,849.96	49.53	139.294		
5,300.00	5,256.44	3,800.00	3,605.76	24.52	32.16	151.17	-2,262.18	-5,730.19	6,934.77	6,884.40	50.37	137.689		
5,400.00	5,355.54	3,800.00	3,605.76	24.99	32.16	151.17	-2,262.18	-5,730.19	6,970.55	6,919.92	50.63	137.688		
5,500.00	5,454.64	3,842.32	3,644.00	25.45	32.65	151.06	-2,279.67	-5,734.95	7,007.33	6,955.98	51.34	136.478		
5,600.00	5,553.74	3,900.00	3,695.97	25.92	33.31	150.91	-2,303.76	-5,741.74	7,044.77	6,992.54	52.23	134.886		
5,700.00	5,652.84	3,945.64	3,736.99	26.38	33.85	150.79	-2,322.99	-5,747.29	7,082.77	7,029.78	52.99	133.668		
5,800.00	5,751.94	4,021.28	3,804.85	26.84	34.76	150.60	-2,355.07	-5,756.65	7,121.22	7,067.13	54.09	131.663		
5,900.00	5,851.04	4,233.42	3,997.07	27.31	37.16	150.09	-2,440.98	-5,782.33	7,158.55	7,101.92	56.63	126.399		
6,000.00	5,950.14	4,277.28	4,037.22	27.77	37.63	149.99	-2,457.69	-5,787.97	7,195.94	7,138.62	57.32	125.539		
6,100.00	6,049.24	4,323.56	4,079.53	28.24	38.14	149.90	-2,475.37	-5,794.22	7,233.96	7,175.93	58.03	124.651		
6,200.00	6,148.34	4,372.42	4,124.11	28.70	38.69	149.79	-2,494.17	-5,801.04	7,272.57	7,213.79	58.78	123.732		
6,304.69	6,252.09	4,456.37	4,200.48	29.19	39.65	149.61	-2,526.91	-5,812.98	7,313.50	7,253.58	59.92	122.062		
6,350.00	6,297.17	4,509.97	4,249.11	29.39	40.27	137.93	-2,548.23	-5,820.32	7,329.77	7,269.17	60.59	120.970		
6,400.00	6,347.13	4,552.55	4,287.65	29.59	40.77	36.82	-2,565.41	-5,826.01	7,344.37	7,283.22	61.15	120.111		
6,450.00	6,397.02	4,597.91	4,328.63	29.78	41.30	-3.16	-2,583.95	-5,831.96	7,355.41	7,293.70	61.71	119.199		
6,500.00	6,446.53	4,630.70	4,358.17	29.96	41.70	-9.64	-2,597.52	-5,836.20	7,362.86	7,300.74	62.12	118.518		
6,550.00	6,495.35	4,662.69	4,386.92	30.14	42.09	-12.21	-2,610.92	-5,840.33	7,366.74	7,304.22	62.52	117.826		
6,600.00	6,543.19	4,700.00	4,420.37	30.33	42.54	-13.68	-2,626.74	-5,845.13	7,367.05	7,304.08	62.97	116.994		
6,650.00	6,589.76	4,725.85	4,443.52	30.52	42.86	-14.69	-2,637.76	-5,848.48	7,363.76	7,300.48	63.28	116.370		
6,700.00	6,634.75	4,757.00	4,471.43	30.71	43.24	-15.56	-2,650.96	-5,852.61	7,356.92	7,293.28	63.64	115.604		
6,750.00	6,677.90	4,787.47	4,498.74	30.91	43.62	-16.39	-2,663.80	-5,856.74	7,346.56	7,282.58	63.98	114.825		
6,800.00	6,718.94	4,800.00	4,509.99	31.13	43.78	-17.16	-2,669.06	-5,858.46	7,332.78	7,268.68	64.10	114.391		
6,850.00	6,757.62	4,836.16	4,542.39	31.36	44.24	-18.11	-2,684.30	-5,863.50	7,315.62	7,251.12	64.50	113.420		
6,900.00	6,793.70	4,857.68	4,561.63	31.61	44.52	-19.10	-2,693.43	-5,866.53	7,295.24	7,230.53	64.72	112.727		
6,950.00	6,826.95	4,877.99	4,579.78	31.88	44.78	-20.23	-2,702.11	-5,869.41	7,271.75	7,206.84	64.91	112.024		
7,000.00	6,857.18	4,900.00	4,599.41	32.19	45.06	-21.55	-2,711.55	-5,872.56	7,245.27	7,180.15	65.13	111.251		
7,050.00	6,884.18	4,921.47	4,618.54	32.52	45.34	-23.11	-2,720.77	-5,875.66	7,215.95	7,150.61	65.34	110.445		
7,100.00	6,907.81	4,945.17	4,639.67	32.90	45.66	-24.97	-2,730.94	-5,879.11	7,183.92	7,118.35	65.57	109.556		
7,150.00	6,927.91	4,966.53	4,658.72	33.32	45.94	-27.20	-2,740.09	-5,882.24	7,149.39	7,083.61	65.79	108.677		
7,200.00	6,944.36	5,287.07	4,946.38	33.77	49.84	-32.82	-2,875.29	-5,923.41	7,112.29	7,042.86	69.43	102.445		
7,250.00	6,957.05	5,330.17	4,985.49	34.27	50.30	-36.81	-2,892.72	-5,928.26	7,072.55	7,002.69	69.86	101.245		
7,300.00	6,965.92	5,365.08	5,017.27	34.80	50.67	-41.64	-2,906.66	-5,932.17	7,031.05	6,960.84	70.21	100.150		
7,350.00	6,970.89	5,391.37	5,041.23	35.37	50.95	-47.48	-2,917.05	-5,935.10	6,988.06	6,917.59	70.48	99.155		
7,396.89	6,972.00	5,408.05	5,056.46	35.93	51.13	-54.04	-2,923.60	-5,936.95	6,946.65	6,875.99	70.66	98.311		
7,400.00	6,971.96	5,408.89	5,057.23	35.97	51.14	-54.06	-2,923.93	-5,937.05	6,943.88	6,873.21	70.67	98.254		
7,500.00	6,970.65	7,500.00	5,036.23	37.28	73.42	-53.65	-2,914.80	-5,934.48	6,854.77	6,765.99	88.78	77.213		
7,600.00	6,969.33	7,600.00	5,046.65	38.76	74.48	-53.85	-2,919.37	-5,935.76	6,765.99	6,676.30	89.69	75.437		
7,700.00	6,968.02	7,700.00	5,057.06	40.39	75.55	-54.06	-2,923.93	-5,937.04	6,677.51	6,586.86	90.65	73.665		
7,800.00	6,966.70	5,424.67	5,071.63	42.15	51.31	-54.34	-2,930.11	-5,938.86	6,589.27	6,517.95	71.33	92.380		
7,900.00	6,965.39	5,430.69	5,077.13	44.02	51.37	-54.45	-2,932.46	-5,939.57	6,501.42	6,429.77	71.64	90.745		
8,000.00	6,964.07	5,436.84	5,082.75	45.99	51.44	-54.55	-2,934.86	-5,940.29	6,413.91	6,341.89	72.02	89.057		
8,100.00	6,962.76	5,443.12	5,088.49	48.05	51.51	-54.67	-2,937.31	-5,941.04	6,326.76	6,254.30	72.46	87.319		
8,200.00	6,961.45	5,449.54	5,094.35	50.19	51.57	-54.78	-2,939.81	-5,941.82	6,239.98	6,167.02	72.95	85.533		
8,300.00	6,960.13	5,456.10	5,100.34	52.39	51.64	-54.90	-2,942.36	-5,942.62	6,153.58	6,080.07	73.52	83.704		
8,400.00	6,958.82	5,462.81	5,106.46	54.65	51.72	-55.02	-2,944.96	-5,943.45	6,067.60	5,993.45	74.14	81.836		
8,500.00	6,957.50	5,469.66	5,112.72	56.97	51.79	-55.14	-2,947.62	-5,944.30	5,982.03	5,907.19	74.84	79.933		
8,600.00	6,956.19	5,476.68	5,119.13	59.33	51.86	-55.26	-2,950.33	-5,945.19	5,896.91	5,821.30	75.60	78.000		
8,700.00	6,954.87	5,500.00	5,140.43	61.73	52.11	-55.68	-2,959.34	-5,948.21	5,812.28	5,735.65	76.62	75.855		
8,800.00	6,953.56	5,500.00	5,140.43	64.16	52.11	-55.68	-2,959.34	-5,948.21	5,728.06	5,650.62	77.44	73.966		
8,900.00	6,952.24	5,500.00	5,140.43	66.63	52.11	-55.68	-2,959.34	-5,948.21	5,644.35	5,566.03	78.33	72.063		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	5,500.00	5,140.43	69.13	52.11	-55.68	-2,959.34	-5,948.21	5,561.19	5,481.91	79.28	70.149		
9,100.00	6,949.61	5,516.02	5,155.06	71.65	52.29	-55.97	-2,965.51	-5,950.33	5,478.55	5,398.05	80.50	68.058		
9,200.00	6,948.30	5,524.94	5,163.20	74.20	52.39	-56.13	-2,968.95	-5,951.53	5,396.48	5,314.78	81.70	66.050		
9,300.00	6,946.98	5,533.97	5,171.45	76.77	52.49	-56.29	-2,972.44	-5,952.75	5,315.01	5,232.03	82.98	64.050		
9,400.00	6,945.67	5,543.13	5,179.81	79.35	52.60	-56.45	-2,975.98	-5,953.99	5,234.15	5,149.82	84.34	62.063		
9,500.00	6,944.35	5,552.42	5,188.28	81.95	52.70	-56.62	-2,979.56	-5,955.26	5,153.94	5,068.18	85.77	60.094		
9,600.00	6,943.04	5,561.71	5,196.73	84.57	52.80	-56.78	-2,983.14	-5,956.53	5,074.34	4,983.37	87.19	58.166		
9,700.00	6,941.73	5,571.00	5,205.20	87.21	52.90	-56.93	-2,986.72	-5,957.80	4,995.06	4,904.11	88.64	56.279		
9,800.00	6,940.41	5,580.29	5,213.67	89.85	53.00	-60.06	-3,047.60	-5,982.13	4,916.50	4,823.90	92.60	53.093		
9,900.00	6,939.10	5,589.58	5,222.14	92.51	53.10	-60.18	-3,049.89	-5,983.17	4,838.71	4,744.39	94.33	51.297		
10,000.00	6,937.78	5,598.87	5,230.61	95.17	53.20	-60.31	-3,052.23	-5,984.24	4,761.73	4,665.60	96.13	49.533		
10,100.00	6,936.47	5,608.16	5,239.08	97.85	53.30	-60.44	-3,054.62	-5,985.35	4,685.59	4,587.58	98.02	47.803		
10,200.00	6,935.15	5,617.45	5,247.55	100.54	53.40	-60.58	-3,057.07	-5,986.49	4,610.35	4,510.36	99.99	46.110		
10,300.00	6,933.84	5,626.74	5,256.02	103.23	53.50	-60.72	-3,059.58	-5,987.68	4,536.03	4,433.99	102.04	44.454		
10,400.00	6,932.52	5,636.03	5,264.49	105.93	53.60	-61.10	-3,066.57	-5,991.02	4,462.73	4,358.37	104.35	42.767		
10,500.00	6,931.21	5,645.32	5,272.96	108.64	53.70	-61.10	-3,066.57	-5,991.02	4,390.38	4,283.91	106.47	41.237		
10,600.00	6,929.89	5,654.61	5,281.43	111.36	53.80	-61.27	-3,069.65	-5,992.53	4,319.12	4,210.33	108.79	39.701		
10,700.00	6,928.58	5,663.90	5,289.90	114.08	53.90	-61.78	-3,078.81	-5,997.08	4,248.95	4,137.49	111.46	38.121		
10,800.00	6,927.26	5,673.19	5,298.37	116.81	54.00	-62.30	-3,088.02	-6,001.80	4,179.87	4,065.64	114.23	36.592		
10,900.00	6,925.95	5,682.48	5,306.84	119.54	54.10	-62.83	-3,097.28	-6,006.69	4,111.96	3,994.85	117.10	35.114		
11,000.00	6,924.64	5,691.77	5,315.31	122.28	54.20	-62.78	-3,096.34	-6,006.25	4,045.28	3,897.82	117.46	27.433		
11,100.00	6,923.32	5,700.06	5,324.18	125.02	54.30	-63.09	-3,101.68	-6,008.98	3,980.01	3,829.52	150.48	26.448		
11,200.00	6,922.01	5,708.35	5,333.05	127.77	54.40	-63.40	-3,107.04	-6,012.02	3,916.06	3,790.58	125.47	31.210		
11,300.00	6,920.69	5,717.04	5,341.92	130.52	54.50	-63.58	-3,110.08	-6,013.73	3,853.65	3,725.21	128.43	30.005		
11,400.00	6,919.38	5,725.73	5,350.79	133.28	54.60	-63.76	-3,113.20	-6,015.50	3,792.81	3,661.32	131.49	28.845		
11,500.00	6,918.06	5,734.42	5,359.66	136.04	54.70	-63.95	-3,116.42	-6,017.36	3,733.60	3,598.96	134.64	27.730		
11,600.00	6,916.75	5,743.11	5,368.53	138.80	54.80	-64.14	-3,119.75	-6,019.29	3,676.12	3,538.23	137.89	26.660		
11,700.00	6,915.43	5,751.80	5,377.40	141.56	54.90	-64.34	-3,123.18	-6,021.31	3,620.43	3,479.20	141.23	25.635		
11,800.00	6,914.12	5,760.49	5,386.27	144.33	55.00	-64.77	-3,130.60	-6,025.78	3,566.65	3,421.78	144.87	24.620		
11,900.00	6,912.80	5,769.18	5,395.14	147.10	55.10	-64.77	-3,130.60	-6,025.78	3,514.76	3,366.54	148.21	23.714		
12,000.00	6,911.49	5,777.87	5,404.01	149.88	55.20	-64.77	-3,130.60	-6,025.78	3,464.98	3,313.35	151.63	22.851		
12,100.00	6,910.17	5,786.56	5,412.88	152.65	55.30	-64.77	-3,130.60	-6,025.78	3,417.40	3,262.27	155.13	22.030		
12,200.00	6,908.86	5,795.25	5,421.75	155.43	55.40	-65.23	-3,138.56	-6,030.61	3,371.91	3,212.76	159.15	21.187		
12,300.00	6,907.54	5,804.04	5,430.62	158.21	55.50	-65.38	-3,141.39	-6,032.32	3,328.84	3,165.89	162.95	20.428		
12,400.00	6,906.23	5,812.83	5,439.49	160.99	55.60	-65.55	-3,144.28	-6,034.07	3,288.20	3,121.36	166.84	19.709		
12,500.00	6,904.92	5,821.62	5,448.36	163.78	55.70	-65.71	-3,147.24	-6,035.85	3,250.07	3,079.29	170.78	19.030		
12,600.00	6,903.60	5,830.41	5,457.23	166.57	55.80	-65.87	-3,150.27	-6,037.66	3,214.55	3,039.76	174.79	18.391		
12,700.00	6,902.29	5,839.20	5,466.10	169.35	55.90	-66.04	-3,153.37	-6,039.52	3,181.72	3,002.87	178.85	17.790		
12,800.00	6,900.97	5,847.99	5,474.97	172.14	56.00	-66.62	-3,164.19	-6,045.96	3,151.83	2,968.40	183.43	17.183		
12,900.00	6,899.66	5,856.78	5,483.84	174.94	56.10	-66.62	-3,164.19	-6,045.96	3,124.50	2,937.14	187.36	16.676		
13,000.00	6,898.34	5,865.57	5,492.71	177.73	56.20	-67.49	-3,179.97	-6,055.61	3,099.81	2,866.74	233.08	13.299		
13,100.00	6,897.03	5,874.36	5,501.58	180.53	56.30	-69.12	-3,208.90	-6,073.19	3,078.21	2,879.91	198.30	15.523		
13,200.00	6,895.71	5,883.15	5,510.45	183.32	56.40	-69.64	-3,217.78	-6,078.04	3,059.07	2,856.16	202.92	15.076		
13,300.00	6,894.40	5,891.94	5,519.32	186.12	56.50	-70.07	-3,225.26	-6,081.81	3,042.96	2,835.54	207.42	14.670		
13,400.00	6,893.08	5,900.73	5,528.19	188.92	56.60	-70.45	-3,231.66	-6,084.78	3,029.96	2,818.15	211.81	14.305		
13,500.00	6,891.77	5,909.52	5,537.06	191.72	56.70	-70.62	-3,234.60	-6,086.12	3,020.16	2,804.28	215.87	13.990		
13,600.00	6,890.45	5,918.31	5,545.93	194.52	56.80	-70.83	-3,238.23	-6,087.77	3,013.58	2,793.70	219.89	13.705		
13,700.00	6,889.14	5,927.10	5,554.80	197.32	56.90	-71.04	-3,241.87	-6,089.41	3,010.26	2,786.48	223.79	13.451		
13,751.64	6,888.46	5,935.89	5,563.67	198.77	57.00	-71.15	-3,243.75	-6,090.26	3,009.83	2,784.08	225.75	13.333 CC		
13,800.00	6,887.82	5,944.68	5,572.54	200.13	57.10	-71.26	-3,245.51	-6,091.06	3,010.21	2,782.66	227.55	13.229		
13,900.00	6,886.51	5,953.47	5,581.41	202.93	57.20	-71.47	-3,249.17	-6,092.69	3,013.42	2,782.26	231.16	13.036 ES		
14,000.00	6,885.20	5,962.26	5,590.28	205.74	57.30	-71.68	-3,252.84	-6,094.33	3,019.89	2,785.28	234.61	12.872		

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 13N-6B-M
<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 13N-6B-M	<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	6,883.88	6,381.70	5,956.71	208.55	61.56	-71.89	-3,256.52	-6,095.97	3,029.59	2,791.72	237.87	12.736		
14,200.00	6,882.57	6,392.89	5,967.15	211.35	61.66	-72.10	-3,260.20	-6,097.60	3,042.50	2,801.56	240.94	12.628		
14,300.00	6,881.25	6,400.00	5,973.79	214.16	61.73	-72.23	-3,262.55	-6,098.64	3,058.57	2,814.88	243.70	12.551		
14,400.00	6,879.94	6,413.33	5,986.21	216.97	61.86	-72.48	-3,266.96	-6,100.56	3,077.76	2,831.35	246.41	12.490		
14,500.00	6,878.62	6,422.73	5,994.98	219.78	61.95	-72.66	-3,270.09	-6,101.89	3,100.02	2,851.21	248.80	12.460		
14,600.00	6,877.31	6,431.85	6,003.48	222.59	62.03	-72.83	-3,273.13	-6,103.16	3,125.27	2,874.30	250.97	12.453 SF		
14,700.00	6,875.99	6,440.69	6,011.72	225.41	62.12	-73.00	-3,276.09	-6,104.37	3,153.46	2,900.54	252.92	12.468		
14,800.00	6,874.68	6,449.26	6,019.71	228.22	62.20	-73.16	-3,278.96	-6,105.53	3,184.50	2,929.85	254.65	12.505		
14,900.00	6,873.36	6,457.57	6,027.47	231.03	62.27	-73.32	-3,281.76	-6,106.63	3,218.32	2,962.15	256.17	12.563		
15,000.00	6,872.05	6,465.65	6,034.99	233.85	62.35	-73.47	-3,284.48	-6,107.69	3,254.82	2,997.34	257.48	12.641		
15,100.00	6,870.73	6,473.49	6,042.30	236.66	62.42	-73.62	-3,287.13	-6,108.70	3,293.93	3,035.34	258.59	12.738		
15,200.00	6,869.42	6,481.10	6,049.40	239.48	62.50	-73.76	-3,289.71	-6,109.67	3,335.54	3,076.04	259.51	12.853		
15,300.00	6,868.11	6,500.00	6,067.02	242.29	62.67	-74.12	-3,296.14	-6,112.01	3,379.61	3,119.03	260.58	12.970		
15,400.00	6,866.79	6,500.00	6,067.02	245.11	62.67	-74.12	-3,296.14	-6,112.01	3,425.95	3,165.00	260.94	13.129		
15,460.11	6,866.00	6,500.00	6,067.02	246.80	62.67	-74.12	-3,296.14	-6,112.01	3,454.89	3,193.81	261.08	13.233		
15,460.74	6,865.99	6,500.00	6,067.02	246.82	62.67	-74.12	-3,296.14	-6,112.01	3,455.20	3,194.11	261.08	13.234		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	23.28	2,330.82	1,002.89	2,537.49					
100.00	100.00	79.31	79.31	3.28	3.28	23.28	2,330.84	1,002.96	2,537.46	2,530.90	6.57	386.273		
200.00	200.00	179.69	179.69	3.34	3.33	23.29	2,330.88	1,003.15	2,537.58	2,530.92	6.66	380.807		
300.00	299.98	278.55	278.55	3.44	3.42	-75.76	2,330.93	1,003.28	2,537.25	2,530.39	6.86	369.600		
400.00	399.84	376.86	376.86	3.60	3.57	-75.89	2,331.09	1,003.33	2,536.14	2,528.97	7.16	354.090		
500.00	499.45	475.21	475.21	3.80	3.75	-76.12	2,331.38	1,003.21	2,534.24	2,526.69	7.55	335.654		
584.50	583.35	556.56	556.56	4.01	3.93	-76.38	2,331.69	1,003.07	2,532.08	2,524.14	7.94	319.040		
600.00	598.71	571.34	571.34	4.05	3.97	-76.43	2,331.77	1,003.03	2,531.64	2,523.63	8.01	315.953		
700.00	697.81	671.53	671.52	4.33	4.22	-76.73	2,332.32	1,002.69	2,528.89	2,520.34	8.55	295.688		
800.00	796.91	774.64	774.63	4.64	4.52	-77.05	2,332.81	1,002.17	2,526.08	2,516.93	9.16	275.865		
900.00	896.01	873.73	873.72	4.98	4.82	-77.36	2,333.19	1,001.61	2,523.25	2,513.45	9.80	257.587		
1,000.00	995.11	970.95	970.93	5.34	5.13	-77.66	2,333.57	1,001.20	2,520.53	2,510.07	10.47	240.841		
1,100.00	1,094.21	1,329.12	1,328.50	5.71	6.45	-78.60	2,316.94	1,001.21	2,514.86	2,502.78	12.08	208.122		
1,200.00	1,193.31	1,562.56	1,559.96	6.10	7.54	-79.11	2,286.87	998.99	2,500.28	2,486.95	13.33	187.611		
1,300.00	1,292.41	1,841.62	1,832.68	6.49	9.18	-79.46	2,228.15	1,000.38	2,477.18	2,462.37	14.81	167.282		
1,400.00	1,391.51	1,964.51	1,951.61	6.90	9.97	-79.55	2,197.28	1,001.98	2,451.56	2,435.83	15.73	155.890		
1,500.00	1,490.61	2,139.87	2,120.19	7.31	11.16	-79.64	2,149.11	1,004.98	2,423.91	2,407.05	16.86	143.726		
1,600.00	1,589.71	1,600.00	2,333.87	7.73	7.36	-79.73	2,078.70	1,006.24	2,392.56	2,377.90	14.66	163.244		
1,700.00	1,688.81	1,700.00	2,595.58	8.16	7.66	-79.73	1,972.64	1,005.89	2,355.67	2,340.81	14.86	158.542		
1,800.00	1,787.92	2,792.33	2,726.11	8.59	16.78	-79.63	1,909.71	1,006.02	2,312.36	2,291.60	20.76	111.368		
1,900.00	1,887.02	2,834.94	2,764.54	9.02	17.19	-79.61	1,891.30	1,005.77	2,269.30	2,247.82	21.48	105.648		
2,000.00	1,986.12	2,873.91	2,800.09	9.46	17.56	-79.60	1,875.34	1,005.61	2,228.33	2,206.13	22.20	100.387		
2,100.00	2,085.22	3,019.88	2,933.64	9.90	18.89	-79.56	1,816.45	1,004.90	2,188.25	2,165.00	23.25	94.119		
2,200.00	2,184.32	3,098.10	3,004.67	10.34	19.63	-79.53	1,783.71	1,004.39	2,146.34	2,122.23	24.11	89.017		
2,300.00	2,283.42	3,153.66	3,055.42	10.78	20.11	-79.52	1,761.11	1,003.87	2,105.45	2,080.54	24.91	84.529		
2,400.00	2,382.52	3,221.33	3,117.82	11.23	20.70	-79.54	1,734.95	1,002.67	2,066.08	2,040.35	25.74	80.272		
2,500.00	2,481.62	3,334.01	3,221.59	11.68	21.64	-79.58	1,691.11	1,000.19	2,026.39	1,999.71	26.68	75.957		
2,600.00	2,580.72	3,415.38	3,296.51	12.13	22.32	-79.63	1,659.46	997.75	1,986.48	1,958.94	27.54	72.125		
2,700.00	2,679.82	3,472.06	3,349.00	12.58	22.77	-79.68	1,638.11	996.20	1,947.81	1,919.45	28.36	68.680		
2,800.00	2,778.92	3,547.89	3,419.62	13.03	23.35	-79.73	1,610.55	994.79	1,910.59	1,881.36	29.22	65.377		
2,900.00	2,878.02	3,639.94	3,505.30	13.48	24.05	-79.76	1,576.90	993.97	1,873.56	1,843.43	30.13	62.184		
3,000.00	2,977.12	3,738.57	3,597.07	13.94	24.81	-79.78	1,540.74	993.48	1,836.57	1,805.52	31.06	59.136		
3,100.00	3,076.22	3,853.27	3,703.22	14.39	25.72	-79.76	1,497.29	993.99	1,798.74	1,766.72	32.02	56.167		
3,200.00	3,175.32	3,971.71	3,812.15	14.85	26.70	-79.70	1,450.82	994.71	1,759.70	1,726.70	33.00	53.317		
3,300.00	3,274.43	4,089.25	3,919.46	15.30	27.71	-79.61	1,402.88	995.56	1,719.24	1,685.25	33.98	50.592		
3,400.00	3,373.53	4,164.85	3,988.52	15.76	28.36	-79.59	1,372.13	994.97	1,678.42	1,643.52	34.91	48.083		
3,500.00	3,472.63	4,256.37	4,072.62	16.22	29.12	-79.62	1,336.05	993.27	1,638.40	1,602.57	35.83	45.727		
3,600.00	3,571.73	4,350.97	4,159.35	16.68	29.91	-79.65	1,298.33	991.27	1,597.85	1,561.10	36.75	43.478		
3,700.00	3,670.83	4,441.29	4,242.25	17.14	30.66	-79.69	1,262.57	989.19	1,557.51	1,519.84	37.67	41.346		
3,800.00	3,769.93	4,576.13	4,365.54	17.59	31.82	-79.77	1,208.09	985.46	1,516.48	1,477.94	38.55	39.341		
3,900.00	3,869.03	4,671.95	4,452.20	18.05	32.69	-79.82	1,167.36	981.97	1,472.97	1,433.51	39.45	37.333		
4,000.00	3,968.13	4,744.32	4,517.88	18.51	33.33	-79.88	1,137.10	979.17	1,430.08	1,389.68	40.40	35.398		
4,100.00	4,067.23	4,811.42	4,579.28	18.98	33.90	-79.98	1,110.20	976.28	1,388.62	1,347.27	41.35	33.580		
4,200.00	4,166.33	4,875.90	4,638.77	19.44	34.42	-80.07	1,085.44	973.77	1,348.87	1,306.56	42.31	31.884		
4,300.00	4,265.43	4,947.66	4,705.43	19.90	34.96	-80.18	1,058.97	971.64	1,310.83	1,267.59	43.25	30.311		
4,400.00	4,364.53	5,023.28	4,776.00	20.36	35.51	-80.28	1,031.85	970.03	1,274.05	1,229.87	44.18	28.837		
4,500.00	4,463.63	5,100.00	4,847.98	20.82	36.04	-80.39	1,005.32	968.70	1,238.60	1,193.48	45.11	27.454		
4,600.00	4,562.73	5,160.09	4,904.76	21.28	36.41	-80.49	985.66	968.02	1,205.06	1,159.00	46.06	26.163		
4,700.00	4,661.83	5,219.44	4,961.30	21.75	36.76	-80.58	967.66	967.90	1,174.15	1,127.17	46.98	24.993		
4,800.00	4,760.93	5,274.18	5,014.01	22.21	37.04	-80.70	952.91	967.92	1,146.46	1,098.60	47.85	23.957		
4,900.00	4,860.04	5,335.89	5,074.02	22.67	37.32	-80.88	938.51	967.94	1,122.11	1,073.43	48.68	23.051		
5,000.00	4,959.14	5,400.00	5,136.76	23.13	37.59	-81.11	925.34	967.83	1,100.49	1,051.04	49.46	22.251		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,475.78	5,211.32	23.60	37.87	-81.44	911.82	967.48	1,081.35	1,031.13	50.22	21.533		
5,200.00	5,157.34	5,551.76	5,286.40	24.06	38.13	-81.82	900.21	966.87	1,064.51	1,013.56	50.95	20.895		
5,300.00	5,256.44	5,633.09	5,367.01	24.52	38.39	-82.27	889.40	966.15	1,049.60	997.93	51.67	20.314		
5,400.00	5,355.54	5,718.93	5,452.23	24.99	38.66	-82.79	879.20	965.12	1,036.06	983.67	52.39	19.774		
5,500.00	5,454.64	5,800.00	5,532.86	25.45	38.90	-83.33	870.82	963.86	1,024.03	970.95	53.08	19.293		
5,600.00	5,553.74	5,880.69	5,613.24	25.92	39.14	-83.91	863.99	962.41	1,013.85	960.11	53.73	18.868		
5,700.00	5,652.84	5,967.70	5,700.04	26.38	39.38	-84.58	858.18	960.71	1,005.46	951.05	54.41	18.478		
5,800.00	5,751.94	6,057.17	5,789.35	26.84	39.63	-85.30	853.14	958.70	998.20	943.10	55.10	18.116		
5,900.00	5,851.04	6,144.76	5,876.82	27.31	39.87	-86.04	849.11	956.63	992.11	936.34	55.77	17.790		
6,000.00	5,950.14	6,226.82	5,958.81	27.77	40.10	-86.75	846.45	954.61	987.55	931.17	56.38	17.517		
6,100.00	6,049.24	6,302.05	6,034.01	28.24	40.30	-87.45	845.76	952.50	985.37	928.48	56.89	17.320		
6,148.78	6,097.58	6,342.64	6,074.58	28.46	40.41	-87.83	846.02	951.42	985.15	927.98	57.17	17.232 CC		
6,200.00	6,148.34	6,385.33	6,117.26	28.70	40.53	-88.21	846.59	950.55	985.39	927.93	57.46	17.149 ES		
6,304.69	6,252.09	6,489.51	6,221.41	29.19	40.82	-89.14	848.42	948.90	986.59	928.34	58.25	16.936		
6,350.00	6,297.17	6,540.26	6,272.15	29.39	40.96	-101.62	849.11	948.02	987.33	928.66	58.66	16.831		
6,400.00	6,347.13	6,597.87	6,329.74	29.59	41.12	156.67	849.48	946.88	988.55	929.43	59.12	16.721		
6,450.00	6,397.02	6,638.54	6,370.40	29.78	41.23	116.39	849.76	946.11	990.58	931.18	59.40	16.678		
6,500.00	6,446.53	6,678.24	6,410.09	29.96	41.34	109.74	850.40	945.55	993.88	934.21	59.67	16.656		
6,550.00	6,495.35	6,727.51	6,459.35	30.14	41.48	107.32	851.55	945.06	998.39	938.30	60.09	16.616		
6,600.00	6,543.19	6,788.44	6,520.27	30.33	41.65	106.45	852.39	944.35	1,003.34	942.68	60.66	16.541		
6,650.00	6,589.76	6,840.80	6,572.62	30.52	41.80	106.14	852.59	943.72	1,008.85	947.68	61.17	16.493		
6,700.00	6,634.75	6,889.62	6,621.44	30.71	41.94	106.15	852.54	943.35	1,015.36	953.68	61.68	16.461 SF		
6,750.00	6,677.90	6,929.91	6,661.73	30.91	42.06	106.16	852.43	943.13	1,023.18	961.03	62.15	16.463		
6,800.00	6,718.94	6,966.61	6,698.43	31.13	42.16	106.14	852.52	942.84	1,032.70	970.07	62.63	16.488		
6,850.00	6,757.62	7,001.45	6,733.27	31.36	42.26	106.07	852.79	942.46	1,044.05	980.91	63.15	16.533		
6,900.00	6,793.70	7,036.41	6,768.23	31.61	42.36	105.99	853.20	941.97	1,057.30	993.58	63.72	16.593		
6,950.00	6,826.95	7,068.92	6,800.73	31.88	42.46	105.74	853.66	941.41	1,072.50	1,008.18	64.32	16.675		
7,000.00	6,857.18	7,098.78	6,830.57	32.19	42.54	105.29	854.16	940.80	1,089.72	1,024.77	64.95	16.779		
7,050.00	6,884.18	7,125.69	6,857.48	32.52	42.62	104.58	854.66	940.19	1,109.01	1,043.42	65.60	16.907		
7,100.00	6,907.81	7,149.54	6,881.31	32.90	42.69	103.56	855.15	939.59	1,130.38	1,064.12	66.26	17.060		
7,150.00	6,927.91	7,170.14	6,901.90	33.32	42.75	102.19	855.61	939.05	1,153.78	1,086.85	66.93	17.238		
7,200.00	6,944.36	7,187.37	6,919.11	33.77	42.80	100.43	856.02	938.57	1,179.14	1,111.54	67.60	17.443		
7,250.00	6,957.05	7,201.07	6,932.81	34.27	42.84	98.25	856.35	938.17	1,206.33	1,138.07	68.26	17.673		
7,300.00	6,965.92	7,210.63	6,942.36	34.80	42.87	95.59	856.59	937.89	1,235.21	1,166.31	68.89	17.930		
7,350.00	6,970.89	7,216.62	6,948.34	35.37	42.89	92.48	856.75	937.71	1,265.56	1,196.07	69.50	18.210		
7,396.89	6,972.00	7,218.91	6,950.63	35.93	42.90	89.18	856.81	937.64	1,295.18	1,225.14	70.03	18.493		
7,400.00	6,971.96	7,218.96	6,950.68	35.97	42.90	89.18	856.81	937.64	1,297.17	1,227.10	70.07	18.513		
7,500.00	6,970.65	7,220.41	6,952.13	37.28	42.90	89.26	856.85	937.60	1,363.64	1,292.49	71.15	19.166		
7,600.00	6,969.33	7,221.86	6,953.58	38.76	42.90	89.35	856.89	937.55	1,434.00	1,361.84	72.16	19.873		
7,700.00	6,968.02	7,223.31	6,955.03	40.39	42.91	89.43	856.93	937.51	1,507.71	1,434.63	73.09	20.629		
7,800.00	6,966.70	7,224.77	6,956.48	42.15	42.91	89.51	856.97	937.47	1,584.31	1,510.38	73.93	21.429		
7,900.00	6,965.39	7,226.22	6,957.94	44.02	42.92	89.60	857.00	937.42	1,663.39	1,588.69	74.70	22.268		
8,000.00	6,964.07	7,227.67	6,959.39	45.99	42.92	89.68	857.04	937.38	1,744.62	1,669.23	75.39	23.140		
8,100.00	6,962.76	7,229.13	6,960.84	48.05	42.93	89.76	857.08	937.34	1,827.71	1,751.69	76.02	24.042		
8,200.00	6,961.45	7,230.58	6,962.30	50.19	42.93	89.85	857.12	937.29	1,912.42	1,835.84	76.59	24.971		
8,300.00	6,960.13	7,232.04	6,963.75	52.39	42.93	89.93	857.16	937.25	1,998.55	1,921.45	77.10	25.922		
8,400.00	6,958.82	7,233.50	6,965.21	54.65	42.94	90.02	857.20	937.21	2,085.90	2,008.34	77.56	26.893		
8,500.00	6,957.50	7,234.95	6,966.67	56.97	42.94	90.10	857.24	937.17	2,174.35	2,096.37	77.98	27.882		
8,600.00	6,956.19	7,236.41	6,968.12	59.33	42.95	90.18	857.28	937.12	2,263.76	2,185.39	78.37	28.886		
8,700.00	6,954.87	7,237.87	6,969.58	61.73	42.95	90.27	857.32	937.08	2,354.02	2,275.30	78.72	29.904		
8,800.00	6,953.56	7,239.33	6,971.04	64.16	42.96	90.35	857.36	937.04	2,445.04	2,366.00	79.04	30.934		
8,900.00	6,952.24	7,240.79	6,972.50	66.63	42.96	90.44	857.40	936.99	2,536.73	2,457.40	79.33	31.975		

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 13N-6B-M
<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 13N-6B-M	<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 - SRC #31-5D - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	6,950.93	7,242.25	6,973.96	69.13	42.96	90.52	857.44	936.95	2,629.03	2,549.42	79.61	33.025		
9,100.00	6,949.61	7,243.71	6,975.42	71.65	42.97	90.60	857.48	936.91	2,721.87	2,642.01	79.86	34.084		
9,200.00	6,948.30	7,245.17	6,976.88	74.20	42.97	90.69	857.52	936.86	2,815.20	2,735.11	80.09	35.150		
9,300.00	6,946.98	7,246.64	6,978.34	76.77	42.98	90.77	857.57	936.82	2,908.97	2,828.66	80.31	36.223		
9,400.00	6,945.67	7,248.10	6,979.80	79.35	42.98	90.86	857.61	936.77	3,003.15	2,922.64	80.51	37.301		
9,500.00	6,944.35	7,249.56	6,981.26	81.95	42.99	90.94	857.65	936.73	3,097.69	3,016.99	80.70	38.385		
9,600.00	6,943.04	7,251.03	6,982.72	84.57	42.99	91.03	857.69	936.69	3,192.56	3,111.68	80.88	39.474		
9,700.00	6,941.73	7,252.49	6,984.19	87.21	42.99	91.11	857.73	936.64	3,287.73	3,206.68	81.05	40.566		
9,800.00	6,940.41	7,253.96	6,985.65	89.85	43.00	91.19	857.77	936.60	3,383.18	3,301.98	81.20	41.663		
9,900.00	6,939.10	7,255.42	6,987.12	92.51	43.00	91.28	857.82	936.56	3,478.89	3,397.53	81.35	42.762		
10,000.00	6,937.78	7,256.89	6,988.58	95.17	43.01	91.36	857.86	936.51	3,574.83	3,493.33	81.50	43.865		
10,100.00	6,936.47	7,258.36	6,990.05	97.85	43.01	91.45	857.90	936.47	3,670.99	3,589.35	81.63	44.969		
10,200.00	6,935.15	7,259.82	6,991.51	100.54	43.02	91.53	857.94	936.43	3,767.34	3,685.58	81.76	46.076		
10,300.00	6,933.84	7,261.29	6,992.98	103.23	43.02	91.62	857.99	936.38	3,863.88	3,782.00	81.89	47.185		
10,400.00	6,932.52	7,262.76	6,994.45	105.93	43.02	91.70	858.03	936.34	3,960.60	3,878.59	82.01	48.296		
10,500.00	6,931.21	7,264.23	6,995.92	108.64	43.03	91.79	858.07	936.29	4,057.47	3,975.35	82.12	49.408		
10,600.00	6,929.89	7,265.70	6,997.39	111.36	43.03	91.87	858.12	936.25	4,154.49	4,072.25	82.23	50.521		
10,700.00	6,928.58	7,267.17	6,998.85	114.08	43.04	91.95	858.16	936.21	4,251.64	4,169.30	82.34	51.636		
10,800.00	6,927.26	7,268.64	7,000.32	116.81	43.04	92.04	858.20	936.16	4,348.93	4,266.48	82.44	52.751		
10,900.00	6,925.95	7,270.11	7,001.80	119.54	43.05	92.12	858.25	936.12	4,446.33	4,363.79	82.54	53.866		
11,000.00	6,924.64	7,271.59	7,003.27	122.28	43.05	92.21	858.29	936.07	4,543.85	4,461.21	82.64	54.982		
11,100.00	6,923.32	7,273.06	7,004.74	125.02	43.06	92.29	858.34	936.03	4,641.47	4,558.73	82.74	56.098		
11,200.00	6,922.01	7,274.53	7,006.21	127.77	43.06	92.38	858.38	935.99	4,739.19	4,656.36	82.83	57.215		
11,300.00	6,920.69	7,276.01	7,007.68	130.52	43.06	92.46	858.43	935.94	4,837.01	4,754.08	82.92	58.332		
11,400.00	6,919.38	7,277.48	7,009.16	133.28	43.07	92.55	858.47	935.90	4,934.91	4,851.89	83.01	59.448		
11,500.00	6,918.06	7,278.96	7,010.63	136.04	43.07	92.63	858.51	935.85	5,032.89	4,949.79	83.10	60.564		
11,600.00	6,916.75	7,280.44	7,012.11	138.80	43.08	92.72	858.56	935.81	5,130.95	5,047.76	83.19	61.680		
11,700.00	6,915.43	7,281.91	7,013.58	141.56	43.08	92.80	858.61	935.77	5,229.08	5,145.81	83.27	62.796		
11,800.00	6,914.12	7,283.39	7,015.06	144.33	43.09	92.88	858.65	935.72	5,327.29	5,243.93	83.36	63.910		
11,900.00	6,912.80	7,284.87	7,016.54	147.10	43.09	92.97	858.70	935.68	5,425.55	5,342.11	83.44	65.025		
12,000.00	6,911.49	7,286.35	7,018.01	149.88	43.09	93.05	858.74	935.63	5,523.88	5,440.36	83.52	66.138		
12,100.00	6,910.17	7,287.83	7,019.49	152.65	43.10	93.14	858.79	935.59	5,622.27	5,538.67	83.60	67.251		
12,200.00	6,908.86	7,289.31	7,020.97	155.43	43.10	93.22	858.83	935.54	5,720.71	5,637.03	83.68	68.363		
12,300.00	6,907.54	7,290.79	7,022.45	158.21	43.11	93.31	858.88	935.50	5,819.21	5,735.45	83.76	69.474		
12,400.00	6,906.23	7,292.27	7,023.93	160.99	43.11	93.39	858.93	935.46	5,917.76	5,833.92	83.84	70.584		
12,500.00	6,904.92	7,293.75	7,025.41	163.78	43.12	93.48	858.97	935.41	6,016.35	5,932.43	83.92	71.693		
12,600.00	6,903.60	7,295.23	7,026.89	166.57	43.12	93.56	859.02	935.37	6,114.99	6,030.99	84.00	72.801		
12,700.00	6,902.29	7,296.72	7,028.37	169.35	43.12	93.65	859.07	935.32	6,213.67	6,129.60	84.07	73.908		
12,800.00	6,900.97	7,298.20	7,029.85	172.14	43.13	93.73	859.11	935.28	6,312.39	6,228.24	84.15	75.013		
12,900.00	6,899.66	7,299.68	7,031.34	174.94	43.13	93.82	859.16	935.23	6,411.16	6,326.93	84.23	76.117		
13,000.00	6,898.34	7,304.70	7,036.35	177.73	43.15	94.10	859.32	935.08	6,509.95	6,425.64	84.31	77.212		
13,100.00	6,897.03	7,311.19	7,042.83	180.53	43.17	94.47	859.53	934.88	6,608.79	6,524.39	84.40	78.302		
13,200.00	6,895.71	7,318.35	7,049.99	183.32	43.19	94.88	859.77	934.65	6,707.66	6,623.16	84.49	79.389		
13,300.00	6,894.40	7,326.29	7,057.91	186.12	43.21	95.33	860.03	934.39	6,806.55	6,721.97	84.58	80.472		
13,400.00	6,893.08	7,335.13	7,066.75	188.92	43.24	95.83	860.32	934.09	6,905.48	6,820.80	84.68	81.550		
13,500.00	6,891.77	7,345.06	7,076.66	191.72	43.27	96.40	860.66	933.75	7,004.44	6,919.66	84.77	82.624		
13,600.00	6,890.45	7,356.26	7,087.85	194.52	43.30	97.03	861.04	933.34	7,103.42	7,018.54	84.88	83.692		
13,700.00	6,889.14	7,370.00	7,064.40	197.32	62.13	95.70	860.26	934.14	7,202.41	7,098.40	104.00	69.252		
13,800.00	6,887.82	13,800.00	7,066.27	200.13	62.42	95.81	860.32	934.08	7,301.45	7,197.08	104.37	69.956		
13,900.00	6,886.51	13,900.00	7,068.14	202.93	62.72	95.91	860.38	934.02	7,400.52	7,295.77	104.74	70.656		
14,000.00	6,885.20	14,000.00	7,070.01	205.74	63.02	96.02	860.44	933.95	7,499.61	7,394.50	105.11	71.351		
14,100.00	6,883.88	14,100.00	7,071.88	208.55	63.31	96.12	860.50	933.89	7,598.72	7,493.24	105.48	72.041		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	14,200.00	7,073.75	211.35	63.61	96.23	860.57	933.83	7,697.86	7,592.01	105.85	72.726	
14,300.00	6,881.25	14,300.00	7,075.63	214.16	63.91	96.34	860.63	933.77	7,797.01	7,690.80	106.22	73.407	
14,400.00	6,879.94	14,400.00	7,077.50	216.97	64.21	96.44	860.69	933.71	7,896.19	7,789.61	106.59	74.082	
14,500.00	6,878.62	14,500.00	7,079.37	219.78	64.50	96.55	860.75	933.64	7,995.39	7,888.44	106.96	74.754	
14,600.00	6,877.31	14,600.00	7,081.24	222.59	64.80	96.65	860.81	933.58	8,094.61	7,987.28	107.33	75.420	
14,700.00	6,875.99	7,350.00	7,081.60	225.41	43.28	96.67	860.83	933.57	8,193.85	8,108.18	85.67	95.644	
14,800.00	6,874.68	7,350.00	7,081.60	228.22	43.28	96.67	860.83	933.57	8,293.10	8,207.36	85.74	96.718	
14,900.00	6,873.36	7,350.00	7,081.60	231.03	43.28	96.67	860.83	933.57	8,392.38	8,306.56	85.82	97.790	
15,000.00	6,872.05	7,350.00	7,081.60	233.85	43.28	96.67	860.83	933.57	8,491.67	8,405.77	85.90	98.860	
15,100.00	6,870.73	7,350.00	7,081.60	236.66	43.28	96.67	860.83	933.57	8,590.97	8,505.00	85.97	99.928	
15,200.00	6,869.42	7,350.00	7,081.60	239.48	43.28	96.67	860.83	933.57	8,690.30	8,604.25	86.05	100.994	
15,300.00	6,868.11	7,350.00	7,081.60	242.29	43.28	96.67	860.83	933.57	8,789.63	8,703.51	86.12	102.058	
15,400.00	6,866.79	7,350.00	7,081.60	245.11	43.28	96.67	860.83	933.57	8,888.99	8,802.78	86.20	103.119	
15,460.11	6,866.00	7,350.00	7,081.60	246.80	43.28	96.67	860.83	933.57	8,948.72	8,862.47	86.25	103.756	
15,460.74	6,865.99	7,350.00	7,081.60	246.82	43.28	96.67	860.83	933.57	8,949.34	8,863.09	86.25	103.763	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	2,153.64	2,054.75	3.28	27.17	93.25	-293.07	5,161.64	5,581.97					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	93.12	-280.60	5,145.36	5,544.45	5,523.25	21.21	261.463		
200.00	200.00	2,260.68	2,150.69	3.34	29.60	92.94	-263.44	5,124.56	5,507.57	5,485.48	22.08	249.412		
300.00	299.98	2,300.00	2,185.87	3.44	30.49	-6.27	-251.55	5,111.63	5,470.10	5,447.37	22.73	240.676		
400.00	399.84	2,549.95	2,411.18	3.60	35.99	-7.11	-185.77	5,025.97	5,429.03	5,402.94	26.09	208.074		
500.00	499.45	500.00	2,581.17	3.80	19.76	-7.88	-133.40	4,956.85	5,383.15	5,368.55	14.60	368.808		
584.50	583.35	2,911.14	2,729.15	4.01	45.55	-8.72	-78.95	4,892.52	5,340.00	5,307.86	32.13	166.186		
600.00	598.71	600.00	2,724.43	4.05	23.43	-8.69	-80.87	4,894.64	5,331.86	5,313.61	18.25	292.167		
700.00	697.81	2,933.17	2,748.25	4.33	46.13	-8.82	-71.73	4,884.26	5,279.78	5,246.94	32.84	160.758		
800.00	796.91	2,960.23	2,771.86	4.64	46.87	-8.93	-63.04	4,874.29	5,228.70	5,195.06	33.64	155.435		
900.00	896.01	3,000.00	2,806.89	4.98	47.96	-9.10	-50.74	4,860.04	5,178.66	5,143.97	34.69	149.274		
1,000.00	995.11	3,000.00	2,806.89	5.34	47.96	-9.10	-50.74	4,860.04	5,129.62	5,094.52	35.10	146.156		
1,100.00	1,094.21	3,057.91	2,858.43	5.71	49.30	-9.33	-33.59	4,839.97	5,081.34	5,044.96	36.38	139.660		
1,200.00	1,193.31	3,100.00	2,896.20	6.10	50.28	-9.50	-21.56	4,825.81	5,034.06	4,996.59	37.47	134.359		
1,300.00	1,292.41	3,247.32	3,028.12	6.49	53.64	-10.09	20.25	4,775.28	4,986.16	4,946.10	40.05	124.493		
1,400.00	1,391.51	3,300.00	3,075.50	6.90	54.84	-10.29	34.38	4,757.12	4,938.65	4,897.33	41.31	119.550		
1,500.00	1,490.61	3,330.14	3,102.81	7.31	55.43	-10.41	42.09	4,746.95	4,892.02	4,849.80	42.21	115.893		
1,600.00	1,589.71	3,358.82	3,128.98	7.73	55.99	-10.51	49.15	4,737.57	4,846.50	4,803.39	43.11	112.414		
1,700.00	1,688.81	3,400.00	3,166.86	8.16	56.80	-10.65	58.78	4,724.63	4,802.17	4,757.99	44.17	108.708		
1,800.00	1,787.92	3,499.38	3,258.41	8.59	58.57	-11.01	81.96	4,693.70	4,758.45	4,712.61	45.84	103.812		
1,900.00	1,887.02	3,562.60	3,316.44	9.02	59.73	-11.24	97.40	4,673.90	4,714.58	4,667.40	47.18	99.929		
2,000.00	1,986.12	3,623.90	3,372.69	9.46	60.83	-11.48	112.79	4,655.02	4,671.29	4,622.79	48.51	96.304		
2,100.00	2,085.22	3,683.75	3,427.96	9.90	61.86	-11.70	126.86	4,636.87	4,628.63	4,578.84	49.80	92.948		
2,200.00	2,184.32	3,729.61	3,470.59	10.34	62.58	-11.87	136.85	4,623.23	4,586.71	4,535.81	50.90	90.114		
2,300.00	2,283.42	4,240.78	3,936.78	10.78	72.91	-13.92	257.57	4,454.40	4,544.08	4,486.52	57.56	78.948		
2,400.00	2,382.52	4,300.00	3,988.41	11.23	74.57	-14.24	276.45	4,432.37	4,495.23	4,435.82	59.41	75.666		
2,500.00	2,481.62	4,300.00	3,988.41	11.68	74.57	-14.24	276.45	4,432.37	4,447.48	4,387.27	60.22	73.859		
2,600.00	2,580.72	4,350.35	4,032.57	12.13	75.82	-14.52	292.59	4,414.35	4,400.63	4,338.74	61.89	71.106		
2,700.00	2,679.82	4,400.00	4,076.71	12.58	77.06	-14.79	307.95	4,397.60	4,355.39	4,291.82	63.56	68.520		
2,800.00	2,778.92	4,400.00	4,076.71	13.03	77.06	-14.79	307.95	4,397.60	4,311.14	4,246.74	64.40	66.946		
2,900.00	2,878.02	4,448.62	4,120.45	13.48	78.04	-15.05	322.34	4,381.98	4,268.19	4,202.26	65.93	64.741		
3,000.00	2,977.12	4,500.00	4,167.15	13.94	79.08	-15.31	336.71	4,366.12	4,226.42	4,158.92	67.50	62.611		
3,100.00	3,076.22	4,612.44	4,269.54	14.39	81.21	-15.89	367.69	4,331.48	4,185.11	4,115.26	69.85	59.911		
3,200.00	3,175.32	4,687.55	4,337.87	14.85	82.67	-16.28	388.30	4,308.06	4,143.62	4,071.87	71.75	57.750		
3,300.00	3,274.43	4,836.29	4,473.10	15.30	85.64	-17.05	427.75	4,260.33	4,101.37	4,026.73	74.64	54.946		
3,400.00	3,373.53	5,068.10	4,681.76	15.76	90.77	-18.34	491.24	4,181.89	4,058.70	3,979.76	78.94	51.412		
3,500.00	3,472.63	5,213.16	4,810.04	16.22	94.51	-19.23	532.87	4,128.47	4,012.94	3,930.57	82.37	48.718		
3,600.00	3,571.73	5,328.80	4,911.72	16.68	97.65	-19.96	565.95	4,084.46	3,966.35	3,880.92	85.43	46.429		
3,700.00	3,670.83	5,399.11	4,973.89	17.14	99.54	-20.40	585.00	4,057.67	3,920.02	3,832.31	87.71	44.694		
3,800.00	3,769.93	5,493.72	5,057.85	17.59	102.00	-20.98	609.58	4,021.69	3,873.97	3,783.66	90.31	42.894		
3,900.00	3,869.03	5,648.10	5,195.06	18.05	106.04	-21.90	645.85	3,960.96	3,826.49	3,732.84	93.65	40.860		
4,000.00	3,968.13	5,700.00	5,241.71	18.51	107.36	-22.19	656.10	3,940.66	3,779.56	3,684.03	95.53	39.566		
4,100.00	4,067.23	5,744.56	5,282.11	18.98	108.32	-22.43	664.22	3,923.70	3,733.64	3,636.43	97.20	38.410		
4,200.00	4,166.33	5,800.00	5,332.83	19.44	109.52	-22.71	673.75	3,903.46	3,689.00	3,590.01	98.99	37.267		
4,300.00	4,265.43	6,000.00	5,513.32	19.90	114.29	-23.84	710.29	3,825.56	3,641.67	3,539.31	102.36	35.578		
4,400.00	4,364.53	6,057.41	5,564.84	20.36	115.64	-24.17	720.56	3,802.42	3,594.57	3,490.27	104.30	34.465		
4,500.00	4,463.63	6,100.00	5,603.82	20.82	116.64	-24.39	726.93	3,786.47	3,549.35	3,443.26	106.09	33.457		
4,600.00	4,562.73	6,100.00	5,603.82	21.28	116.64	-24.39	726.93	3,786.47	3,505.66	3,398.16	107.50	32.612		
4,700.00	4,661.83	6,140.90	5,641.81	21.75	117.27	-24.59	732.22	3,772.28	3,463.50	3,354.44	109.05	31.760		
4,800.00	4,760.93	6,167.50	5,666.80	22.21	117.68	-24.71	735.31	3,763.71	3,423.17	3,312.64	110.54	30.968		
4,900.00	4,860.04	6,200.00	5,697.61	22.67	118.19	-24.85	738.71	3,753.96	3,384.63	3,272.60	112.03	30.212		
5,000.00	4,959.14	6,229.80	5,726.10	23.13	118.46	-24.97	741.29	3,745.64	3,347.78	3,234.42	113.36	29.533		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	6,267.51	5,762.46	23.60	118.80	-25.09	743.55	3,735.90	3,312.53	3,197.87	114.65	28.892		
5,200.00	5,157.34	6,300.00	5,794.01	24.06	119.10	-25.18	744.58	3,728.21	3,278.88	3,162.97	115.91	28.288		
5,300.00	5,256.44	6,339.50	5,832.60	24.52	119.29	-25.28	745.08	3,719.77	3,246.92	3,129.90	117.02	27.747		
5,400.00	5,355.54	6,400.00	5,892.08	24.99	119.59	-25.39	744.86	3,708.74	3,217.03	3,099.00	118.03	27.256		
5,500.00	5,454.64	6,400.00	5,892.08	25.45	119.59	-25.39	744.86	3,708.74	3,188.42	3,069.24	119.18	26.753		
5,600.00	5,553.74	6,444.50	5,936.06	25.92	119.71	-25.47	744.36	3,702.00	3,161.87	3,041.74	120.13	26.320		
5,700.00	5,652.84	6,500.00	5,991.12	26.38	119.86	-25.56	744.00	3,695.09	3,137.41	3,016.37	121.03	25.922		
5,800.00	5,751.94	6,500.00	5,991.12	26.84	119.86	-25.56	744.00	3,695.09	3,114.61	2,992.60	122.01	25.527		
5,900.00	5,851.04	6,540.64	6,031.58	27.31	119.93	-25.62	744.04	3,691.25	3,093.96	2,971.10	122.86	25.183		
6,000.00	5,950.14	6,600.00	6,090.84	27.77	120.02	-25.72	744.78	3,687.88	3,076.15	2,952.48	123.66	24.875		
6,100.00	6,049.24	6,600.00	6,090.84	28.24	120.02	-25.72	744.78	3,687.88	3,059.51	2,935.08	124.43	24.588		
6,200.00	6,148.34	6,662.26	6,153.06	28.70	120.08	-25.81	745.81	3,686.10	3,045.14	2,919.97	125.16	24.330		
6,304.69	6,252.09	6,746.67	6,237.45	29.19	120.17	-25.93	746.74	3,684.65	3,031.09	2,905.18	125.91	24.073		
6,350.00	6,297.17	6,790.15	6,280.92	29.39	120.21	-37.96	747.18	3,684.00	3,026.67	2,900.44	126.23	23.978		
6,392.25	6,339.39	6,835.72	6,326.49	29.56	120.26	-117.39	747.62	3,683.31	3,025.34	2,898.85	126.50	23.916 CC		
6,400.00	6,347.13	6,844.36	6,335.13	29.59	120.27	-139.42	747.70	3,683.18	3,025.39	2,898.84	126.54	23.908 ES		
6,450.00	6,397.02	6,900.10	6,390.86	29.78	120.32	-179.67	748.16	3,682.25	3,027.81	2,900.99	126.82	23.875 SF		
6,500.00	6,446.53	6,951.80	6,442.55	29.96	120.37	173.57	748.60	3,681.32	3,033.95	2,906.90	127.05	23.879		
6,550.00	6,495.35	7,002.88	6,493.61	30.14	120.43	170.78	749.12	3,680.33	3,043.80	2,916.54	127.26	23.918		
6,600.00	6,543.19	7,045.37	6,536.09	30.33	120.47	169.11	749.66	3,679.51	3,057.37	2,929.94	127.43	23.993		
6,650.00	6,589.76	7,087.16	6,577.88	30.52	120.52	167.88	750.32	3,678.74	3,074.61	2,947.05	127.57	24.102		
6,700.00	6,634.75	7,132.91	6,623.61	30.71	120.56	166.82	751.19	3,677.89	3,095.40	2,967.72	127.68	24.244		
6,750.00	6,677.90	7,179.30	6,669.98	30.91	120.61	165.80	752.22	3,676.95	3,119.52	2,991.75	127.76	24.416		
6,800.00	6,718.94	7,225.53	6,716.18	31.13	120.67	164.74	753.37	3,675.93	3,146.82	3,019.00	127.82	24.619		
6,850.00	6,757.62	7,270.92	6,761.54	31.36	120.72	163.59	754.42	3,674.86	3,177.11	3,049.26	127.85	24.851		
6,900.00	6,793.70	7,313.50	6,804.10	31.61	120.76	162.29	755.31	3,673.81	3,210.21	3,082.37	127.84	25.111		
6,950.00	6,826.95	7,343.40	6,833.99	31.88	120.80	160.69	755.92	3,673.08	3,246.02	3,118.22	127.80	25.400		
7,000.00	6,857.18	7,372.88	6,863.45	32.19	120.83	158.76	756.51	3,672.38	3,284.30	3,156.58	127.73	25.713		
7,050.00	6,884.18	7,399.31	6,889.87	32.52	120.86	156.34	757.02	3,671.77	3,324.85	3,197.21	127.63	26.050		
7,100.00	6,907.81	7,422.32	6,912.87	32.90	120.89	153.23	757.45	3,671.25	3,367.39	3,239.87	127.52	26.407		
7,150.00	6,927.91	7,442.00	6,932.54	33.32	120.91	149.11	757.79	3,670.83	3,411.68	3,284.30	127.39	26.782		
7,200.00	6,944.36	7,458.23	6,948.77	33.77	120.93	143.50	758.04	3,670.49	3,457.44	3,330.21	127.24	27.173		
7,250.00	6,957.05	7,470.94	6,961.47	34.27	120.94	135.62	758.23	3,670.23	3,504.39	3,377.31	127.07	27.577		
7,300.00	6,965.92	7,480.06	6,970.59	34.80	120.95	124.37	758.35	3,670.05	3,552.23	3,425.33	126.90	27.992		
7,350.00	6,970.89	7,485.56	6,976.09	35.37	120.96	108.74	758.43	3,669.95	3,600.68	3,473.95	126.73	28.413		
7,396.89	6,972.00	7,487.40	6,977.93	35.93	120.96	90.66	758.45	3,669.91	3,646.39	3,519.83	126.56	28.812		
7,400.00	6,971.96	7,487.42	6,977.95	35.97	120.96	90.66	758.45	3,669.91	3,649.42	3,522.87	126.55	28.838		
7,500.00	6,970.65	7,487.94	6,978.46	37.28	120.96	90.70	758.46	3,669.90	3,747.08	3,620.88	126.20	29.692		
7,600.00	6,969.33	7,488.45	6,978.98	38.76	120.96	90.73	758.46	3,669.89	3,844.86	3,718.98	125.88	30.545		
7,700.00	6,968.02	7,488.96	6,979.49	40.39	120.96	90.77	758.47	3,669.88	3,942.75	3,817.18	125.58	31.397		
7,800.00	6,966.70	7,489.47	6,980.00	42.15	120.96	90.81	758.48	3,669.87	4,040.75	3,915.45	125.30	32.249		
7,900.00	6,965.39	7,489.97	6,980.50	44.02	120.96	90.84	758.48	3,669.86	4,138.84	4,013.80	125.04	33.101		
8,000.00	6,964.07	7,490.47	6,981.00	45.99	120.96	90.88	758.49	3,669.85	4,237.02	4,112.22	124.79	33.953		
8,100.00	6,962.76	7,490.97	6,981.49	48.05	120.96	90.92	758.50	3,669.84	4,335.28	4,210.72	124.56	34.804		
8,200.00	6,961.45	7,491.46	6,981.99	50.19	120.96	90.95	758.50	3,669.83	4,433.62	4,309.27	124.35	35.654		
8,300.00	6,960.13	7,491.95	6,982.48	52.39	120.97	90.99	758.51	3,669.83	4,532.03	4,407.88	124.15	36.505		
8,400.00	6,958.82	7,492.43	6,982.96	54.65	120.97	91.02	758.51	3,669.82	4,630.51	4,506.55	123.96	37.354		
8,500.00	6,957.50	7,492.92	6,983.44	56.97	120.97	91.06	758.52	3,669.81	4,729.06	4,605.27	123.79	38.203		
8,600.00	6,956.19	7,493.40	6,983.92	59.33	120.97	91.09	758.53	3,669.80	4,827.66	4,704.04	123.62	39.052		
8,700.00	6,954.87	7,493.87	6,984.40	61.73	120.97	91.12	758.53	3,669.79	4,926.32	4,802.86	123.47	39.900		
8,800.00	6,953.56	7,494.34	6,984.87	64.16	120.97	91.16	758.54	3,669.78	5,025.04	4,901.71	123.32	40.747		
8,900.00	6,952.24	7,494.81	6,985.34	66.63	120.97	91.19	758.54	3,669.77	5,123.80	5,000.61	123.18	41.594		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	7,495.28	6,985.81	69.13	120.97	91.23	758.55	3,669.76	5,222.61	5,099.55	123.06	42.441		
9,100.00	6,949.61	7,495.74	6,986.27	71.65	120.97	91.26	758.56	3,669.75	5,321.46	5,198.53	122.94	43.286		
9,200.00	6,948.30	7,496.20	6,986.73	74.20	120.97	91.29	758.56	3,669.74	5,420.36	5,297.54	122.82	44.131		
9,300.00	6,946.98	7,496.66	6,987.19	76.77	120.97	91.33	758.57	3,669.74	5,519.30	5,396.58	122.72	44.976		
9,400.00	6,945.67	7,497.11	6,987.64	79.35	120.97	91.36	758.57	3,669.73	5,618.27	5,495.65	122.62	45.820		
9,500.00	6,944.35	7,497.56	6,988.09	81.95	120.97	91.39	758.58	3,669.72	5,717.28	5,594.76	122.52	46.663		
9,600.00	6,943.04	7,498.01	6,988.54	84.57	120.97	91.42	758.58	3,669.71	5,816.32	5,693.89	122.44	47.505		
9,700.00	6,941.73	7,498.46	6,988.98	87.21	120.97	91.45	758.59	3,669.70	5,915.40	5,793.05	122.35	48.346		
9,800.00	6,940.41	7,498.90	6,989.42	89.85	120.97	91.49	758.59	3,669.69	6,014.51	5,892.23	122.28	49.187		
9,900.00	6,939.10	7,499.34	6,989.86	92.51	120.97	91.52	758.60	3,669.69	6,113.64	5,991.43	122.21	50.027		
10,000.00	6,937.78	7,499.77	6,990.30	95.17	120.97	91.55	758.60	3,669.68	6,212.80	6,090.66	122.14	50.867		
10,100.00	6,936.47	7,500.20	6,990.73	97.85	120.97	91.58	758.61	3,669.67	6,311.99	6,189.92	122.08	51.705		
10,200.00	6,935.15	7,500.00	6,990.53	100.54	120.97	91.57	758.61	3,669.67	6,411.21	6,289.19	122.02	52.543		
10,300.00	6,933.84	7,500.00	6,990.53	103.23	120.97	91.57	758.61	3,669.67	6,510.45	6,388.48	121.96	53.380		
10,400.00	6,932.52	7,500.00	6,990.53	105.93	120.97	91.57	758.61	3,669.67	6,609.71	6,487.79	121.91	54.216		
10,500.00	6,931.21	7,500.00	6,990.53	108.64	120.97	91.57	758.61	3,669.67	6,708.99	6,587.12	121.87	55.052		
10,600.00	6,929.89	7,500.00	6,990.53	111.36	120.97	91.57	758.61	3,669.67	6,808.30	6,686.47	121.82	55.886		
10,700.00	6,928.58	7,500.00	6,990.53	114.08	120.97	91.57	758.61	3,669.67	6,907.62	6,785.83	121.79	56.720		
10,800.00	6,927.26	7,500.00	6,990.53	116.81	120.97	91.57	758.61	3,669.67	7,006.96	6,885.21	121.75	57.552		
10,900.00	6,925.95	7,500.00	6,990.53	119.54	120.97	91.57	758.61	3,669.67	7,106.33	6,984.61	121.72	58.384		
11,000.00	6,924.64	7,500.00	6,990.53	122.28	120.97	91.57	758.61	3,669.67	7,205.71	7,084.02	121.69	59.215		
11,100.00	6,923.32	7,500.00	6,990.53	125.02	120.97	91.57	758.61	3,669.67	7,305.10	7,183.44	121.66	60.045		
11,200.00	6,922.01	7,500.00	6,990.53	127.77	120.97	91.57	758.61	3,669.67	7,404.52	7,282.88	121.64	60.873		
11,300.00	6,920.69	7,500.00	6,990.53	130.52	120.97	91.57	758.61	3,669.67	7,503.94	7,382.33	121.62	61.701		
11,400.00	6,919.38	7,500.00	6,990.53	133.28	120.97	91.57	758.61	3,669.67	7,603.39	7,481.79	121.60	62.528		
11,500.00	6,918.06	7,500.00	6,990.53	136.04	120.97	91.57	758.61	3,669.67	7,702.85	7,581.26	121.58	63.354		
11,600.00	6,916.75	7,500.00	6,990.53	138.80	120.97	91.57	758.61	3,669.67	7,802.32	7,680.75	121.57	64.179		
11,700.00	6,915.43	7,500.00	6,990.53	141.56	120.97	91.57	758.61	3,669.67	7,901.80	7,780.24	121.56	65.002		
11,800.00	6,914.12	7,500.00	6,990.53	144.33	120.97	91.57	758.61	3,669.67	8,001.30	7,879.75	121.55	65.825		
11,900.00	6,912.80	7,500.00	6,990.53	147.10	120.97	91.57	758.61	3,669.67	8,100.81	7,979.26	121.55	66.647		
12,000.00	6,911.49	7,500.00	6,990.53	149.88	120.97	91.57	758.61	3,669.67	8,200.33	8,078.79	121.55	67.467		
12,100.00	6,910.17	7,500.00	6,990.53	152.65	120.97	91.57	758.61	3,669.67	8,299.87	8,178.32	121.54	68.287		
12,200.00	6,908.86	7,500.00	6,990.53	155.43	120.97	91.57	758.61	3,669.67	8,399.41	8,277.87	121.55	69.105		
12,300.00	6,907.54	7,500.00	6,990.53	158.21	120.97	91.57	758.61	3,669.67	8,498.97	8,377.42	121.55	69.922		
12,400.00	6,906.23	7,500.00	6,990.53	160.99	120.97	91.57	758.61	3,669.67	8,598.53	8,476.98	121.55	70.738		
12,500.00	6,904.92	7,500.00	6,990.53	163.78	120.97	91.57	758.61	3,669.67	8,698.11	8,576.55	121.56	71.553		
12,600.00	6,903.60	7,500.00	6,990.53	166.57	120.97	91.57	758.61	3,669.67	8,797.69	8,676.12	121.57	72.366		
12,700.00	6,902.29	7,500.00	6,990.53	169.35	120.97	91.57	758.61	3,669.67	8,897.29	8,775.71	121.58	73.179		
12,800.00	6,900.97	7,500.00	6,990.53	172.14	120.97	91.57	758.61	3,669.67	8,996.89	8,875.30	121.60	73.990		
12,900.00	6,899.66	7,500.00	6,990.53	174.94	120.97	91.57	758.61	3,669.67	9,096.50	8,974.89	121.61	74.800		
13,000.00	6,898.34	7,500.00	6,990.53	177.73	120.97	91.57	758.61	3,669.67	9,196.13	9,074.50	121.63	75.609		
13,100.00	6,897.03	7,500.00	6,990.53	180.53	120.97	91.57	758.61	3,669.67	9,295.75	9,174.11	121.65	76.417		
13,200.00	6,895.71	7,500.00	6,990.53	183.32	120.97	91.57	758.61	3,669.67	9,395.39	9,273.73	121.67	77.223		
13,300.00	6,894.40	7,500.00	6,990.53	186.12	120.97	91.57	758.61	3,669.67	9,495.04	9,373.35	121.69	78.028		
13,400.00	6,893.08	7,500.00	6,990.53	188.92	120.97	91.57	758.61	3,669.67	9,594.69	9,472.98	121.71	78.832		
13,500.00	6,891.77	7,500.00	6,990.53	191.72	120.97	91.57	758.61	3,669.67	9,694.35	9,572.61	121.74	79.634		
13,600.00	6,890.45	7,500.00	6,990.53	194.52	120.97	91.57	758.61	3,669.67	9,794.01	9,672.25	121.76	80.435		
13,700.00	6,889.14	7,500.00	6,990.53	197.32	120.97	91.57	758.61	3,669.67	9,893.69	9,771.89	121.79	81.235		
13,800.00	6,887.82	7,500.00	6,990.53	200.13	120.97	91.57	758.61	3,669.67	9,993.36	9,871.54	121.82	82.034		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.55	-641.99	5,593.25	5,630.19					
100.00	100.00	1,415.23	1,398.32	3.28	9.52	96.23	-591.68	5,421.88	5,618.26	5,607.66	10.60	529.979		
200.00	200.00	1,936.77	1,900.00	3.34	15.00	96.40	-592.11	5,280.19	5,594.06	5,581.07	12.99	430.598		
300.00	299.98	2,246.22	2,191.31	3.44	19.75	-2.45	-597.86	5,176.10	5,558.78	5,544.17	14.61	380.572		
400.00	399.84	2,300.00	2,241.76	3.60	20.66	-2.46	-597.44	5,157.47	5,519.38	5,504.41	14.97	368.695		
500.00	499.45	2,341.41	2,280.74	3.80	21.29	-2.50	-596.67	5,143.49	5,477.50	5,462.19	15.30	357.923		
584.50	583.35	2,380.82	2,317.91	4.01	21.90	-2.53	-595.61	5,130.48	5,440.22	5,424.58	15.64	347.901		
600.00	598.71	2,400.00	2,336.05	4.05	22.20	-2.53	-594.99	5,124.25	5,433.26	5,417.49	15.77	344.624		
700.00	697.81	2,400.00	2,317.91	4.33	23.76	-2.46	-576.26	4,883.31	5,379.51	5,370.03	9.48	567.520		
800.00	796.91	3,133.16	3,010.94	4.64	37.79	-2.46	-572.56	4,840.87	5,325.29	5,305.49	19.80	268.946		
900.00	896.01	3,166.54	3,041.23	4.98	38.63	-2.45	-571.30	4,826.87	5,271.46	5,251.27	20.19	261.141		
1,000.00	995.11	3,200.00	3,071.71	5.34	39.46	-2.45	-570.12	4,813.13	5,218.45	5,197.85	20.60	253.307		
1,100.00	1,094.21	3,232.90	3,101.81	5.71	40.18	-2.45	-568.94	4,799.92	5,166.28	5,145.24	21.04	245.581		
1,200.00	1,193.31	3,265.88	3,132.14	6.10	40.90	-2.45	-567.68	4,787.00	5,114.98	5,093.49	21.50	237.943		
1,300.00	1,292.41	3,300.00	3,163.64	6.49	41.64	-2.45	-566.26	4,773.98	5,064.58	5,042.60	21.98	230.389		
1,400.00	1,391.51	3,346.24	3,206.49	6.90	42.54	-2.45	-564.80	4,756.67	5,014.97	4,992.43	22.55	222.440		
1,500.00	1,490.61	3,400.00	3,256.45	7.31	43.58	-2.42	-564.42	4,736.82	4,966.06	4,942.90	23.16	214.431		
1,600.00	1,589.71	3,400.00	3,256.45	7.73	43.58	-2.42	-564.42	4,736.82	4,918.16	4,894.61	23.54	208.913		
1,700.00	1,688.81	3,447.03	3,300.41	8.16	44.36	-2.40	-564.80	4,720.11	4,871.04	4,846.89	24.16	201.646		
1,800.00	1,787.92	3,500.00	3,350.37	8.59	45.24	-2.37	-565.44	4,702.54	4,825.51	4,800.70	24.81	194.500		
1,900.00	1,887.02	3,500.00	3,350.37	9.02	45.24	-2.37	-565.44	4,702.54	4,780.62	4,755.39	25.23	189.477		
2,000.00	1,986.12	3,500.00	3,350.37	9.46	45.24	-2.37	-565.44	4,702.54	4,737.42	4,711.76	25.66	184.620		
2,100.00	2,085.22	3,542.92	3,391.25	9.90	45.75	-2.35	-565.57	4,689.48	4,695.15	4,668.87	26.28	178.669		
2,200.00	2,184.32	3,600.00	3,446.19	10.34	46.42	-2.34	-564.22	4,674.07	4,654.92	4,627.96	26.96	172.655		
2,300.00	2,283.42	3,600.00	3,446.19	10.78	46.42	-2.34	-564.22	4,674.07	4,615.06	4,587.65	27.41	168.365		
2,400.00	2,382.52	4,200.00	4,015.19	11.23	54.98	-2.31	-548.21	4,487.08	4,572.77	4,542.53	30.24	151.217		
2,500.00	2,481.62	4,241.78	4,054.03	11.68	55.73	-2.29	-547.85	4,471.70	4,524.15	4,493.26	30.89	146.446		
2,600.00	2,580.72	4,300.00	4,108.60	12.13	56.77	-2.27	-547.30	4,451.43	4,476.95	4,445.33	31.62	141.601		
2,700.00	2,679.82	4,314.95	4,122.68	12.58	57.02	-2.26	-547.16	4,446.38	4,430.37	4,398.19	32.18	137.688		
2,800.00	2,778.92	4,280.00	4,276.73	13.03	60.15	-2.18	-546.78	4,388.98	4,383.25	4,358.91	24.33	180.134		
2,900.00	2,878.02	4,726.83	4,506.25	13.48	64.71	-2.01	-547.92	4,296.49	4,333.96	4,299.15	34.80	124.528		
3,000.00	2,977.12	4,823.66	4,595.30	13.94	66.80	-1.95	-547.77	4,258.48	4,282.96	4,247.25	35.71	119.951		
3,100.00	3,076.22	4,878.01	4,645.40	14.39	67.96	-1.91	-547.37	4,237.40	4,232.37	4,195.91	36.45	116.104		
3,200.00	3,175.32	4,956.58	4,718.01	14.85	69.59	-1.87	-546.51	4,207.39	4,182.28	4,144.99	37.29	112.168		
3,300.00	3,274.43	5,072.96	4,825.42	15.30	72.04	-1.81	-545.40	4,162.59	4,131.96	4,093.71	38.25	108.015		
3,400.00	3,373.53	5,231.75	4,970.94	15.76	75.62	-1.70	-544.99	4,099.09	4,080.15	4,040.78	39.38	103.614		
3,500.00	3,472.63	5,300.00	5,033.36	16.22	77.21	-1.64	-544.92	4,071.47	4,028.08	3,987.87	40.20	100.189		
3,600.00	3,571.73	5,300.00	5,033.36	16.68	77.21	-1.64	-544.92	4,071.47	3,977.11	3,936.30	40.81	97.456		
3,700.00	3,670.83	5,344.99	5,074.82	17.14	78.09	-1.60	-545.09	4,054.00	3,927.04	3,885.48	41.56	94.482		
3,800.00	3,769.93	5,400.00	5,126.23	17.59	79.16	-1.56	-545.55	4,034.44	3,879.14	3,836.78	42.36	91.583		
3,900.00	3,869.03	5,400.00	5,126.23	18.05	79.16	-1.56	-545.55	4,034.44	3,831.75	3,788.78	42.97	89.178		
4,000.00	3,968.13	5,400.00	5,126.23	18.51	79.16	-1.56	-545.55	4,034.44	3,786.40	3,742.83	43.57	86.900		
4,100.00	4,067.23	5,459.14	5,182.13	18.98	80.01	-1.51	-546.17	4,015.16	3,742.02	3,697.65	44.37	84.333		
4,200.00	4,166.33	5,500.00	5,221.01	19.44	80.60	-1.48	-546.57	4,002.61	3,699.12	3,654.00	45.11	81.997		
4,300.00	4,265.43	5,548.86	5,267.69	19.90	81.19	-1.44	-547.04	3,988.17	3,657.34	3,611.47	45.87	79.728		
4,400.00	4,364.53	5,609.02	5,325.33	20.36	81.91	-1.39	-547.60	3,970.95	3,616.46	3,569.79	46.67	77.487		
4,500.00	4,463.63	5,721.44	5,432.99	20.82	83.23	-1.29	-549.69	3,938.68	3,575.63	3,527.97	47.66	75.030		
4,600.00	4,562.73	5,814.59	5,522.09	21.28	84.35	-1.20	-551.49	3,911.54	3,534.42	3,485.83	48.58	72.750		
4,700.00	4,661.83	5,872.57	5,577.64	21.75	85.02	-1.14	-552.46	3,894.98	3,493.73	3,444.34	49.39	70.734		
4,800.00	4,760.93	5,924.46	5,627.50	22.21	85.58	-1.09	-553.31	3,880.65	3,453.96	3,403.78	50.18	68.833		
4,900.00	4,860.04	5,971.04	5,672.44	22.67	86.05	-1.05	-553.97	3,868.39	3,415.38	3,364.43	50.94	67.044		
5,000.00	4,959.14	6,000.00	5,700.46	23.13	86.34	-1.03	-554.32	3,861.09	3,378.12	3,326.48	51.64	65.412		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	6,053.10	5,752.05	23.60	86.75	-0.99	-554.84	3,848.50	3,342.18	3,289.78	52.41	63.774		
5,200.00	5,157.34	6,100.00	5,797.83	24.06	87.11	-0.96	-555.16	3,838.38	3,307.88	3,254.74	53.15	62.242		
5,300.00	5,256.44	6,100.00	5,797.83	24.52	87.11	-0.96	-555.16	3,838.38	3,275.46	3,221.75	53.71	60.986		
5,400.00	5,355.54	6,151.91	5,848.82	24.99	87.37	-0.93	-555.45	3,828.63	3,244.45	3,190.02	54.43	59.611		
5,500.00	5,454.64	6,200.00	5,896.34	25.45	87.62	-0.91	-555.72	3,821.27	3,215.82	3,160.69	55.12	58.338		
5,600.00	5,553.74	6,200.00	5,896.34	25.92	87.62	-0.91	-555.72	3,821.27	3,188.89	3,133.26	55.62	57.332		
5,700.00	5,652.84	6,252.89	5,948.82	26.38	87.77	-0.89	-555.95	3,814.73	3,163.78	3,107.49	56.29	56.203		
5,800.00	5,751.94	6,300.00	5,995.69	26.84	87.90	-0.88	-556.03	3,810.04	3,140.57	3,083.64	56.93	55.166		
5,900.00	5,851.04	6,341.44	6,036.99	27.31	87.99	-0.87	-556.04	3,806.63	3,118.98	3,061.46	57.52	54.224		
6,000.00	5,950.14	6,400.00	6,095.42	27.77	88.10	-0.86	-556.01	3,802.64	3,098.87	3,040.70	58.17	53.272		
6,100.00	6,049.24	6,449.98	6,145.32	28.24	88.18	-0.86	-555.92	3,799.96	3,080.13	3,021.36	58.77	52.414		
6,200.00	6,148.34	6,509.75	6,205.04	28.70	88.27	-0.86	-555.69	3,797.55	3,062.73	3,003.33	59.39	51.567		
6,304.69	6,252.09	6,596.61	6,291.86	29.19	88.39	-0.87	-554.91	3,794.84	3,045.39	2,985.24	60.15	50.630		
6,350.00	6,297.17	6,628.07	6,323.30	29.39	88.44	-13.04	-554.50	3,794.03	3,039.67	2,979.23	60.44	50.292		
6,400.00	6,347.13	6,662.32	6,357.54	29.59	88.48	-114.55	-554.05	3,793.31	3,037.27	2,976.54	60.74	50.008		
6,404.09	6,351.22	6,665.12	6,360.35	29.61	88.49	-123.05	-554.02	3,793.26	3,037.26	2,976.50	60.76	49.989 CC, ES		
6,450.00	6,397.02	6,700.00	6,395.22	29.78	88.53	-154.73	-553.55	3,792.74	3,039.00	2,977.98	61.02	49.801		
6,500.00	6,446.53	6,734.87	6,430.08	29.96	88.58	-161.28	-553.10	3,792.36	3,044.80	2,983.52	61.28	49.690		
6,550.00	6,495.35	6,773.10	6,468.31	30.14	88.63	-163.75	-552.65	3,792.06	3,054.60	2,993.07	61.53	49.644 SF		
6,600.00	6,543.19	6,812.53	6,507.73	30.33	88.68	-164.95	-552.24	3,791.89	3,068.31	3,006.54	61.77	49.671		
6,650.00	6,589.76	6,855.86	6,551.07	30.52	88.74	-165.55	-551.96	3,791.74	3,085.78	3,023.76	62.02	49.755		
6,700.00	6,634.75	6,897.75	6,592.96	30.71	88.80	-165.81	-551.91	3,791.62	3,106.86	3,044.61	62.25	49.912		
6,750.00	6,677.90	6,960.73	6,655.93	30.91	88.88	-165.88	-551.98	3,791.25	3,131.27	3,068.70	62.57	50.044		
6,800.00	6,718.94	7,015.05	6,710.25	31.13	88.96	-165.75	-552.04	3,790.60	3,158.72	3,095.88	62.84	50.268		
6,850.00	6,757.62	7,054.21	6,749.41	31.36	89.01	-165.39	-552.07	3,790.08	3,189.26	3,126.24	63.02	50.608		
6,900.00	6,793.70	7,090.81	6,786.00	31.61	89.07	-164.82	-552.09	3,789.60	3,222.75	3,159.57	63.18	51.011		
6,950.00	6,826.95	7,120.15	6,815.34	31.88	89.11	-164.00	-552.10	3,789.22	3,259.00	3,195.71	63.29	51.493		
7,000.00	6,857.18	7,145.28	6,840.47	32.19	89.14	-162.85	-552.15	3,788.94	3,297.84	3,234.47	63.38	52.035		
7,050.00	6,884.18	7,167.71	6,862.89	32.52	89.17	-161.30	-552.21	3,788.72	3,339.01	3,275.56	63.45	52.628		
7,100.00	6,907.81	7,187.30	6,882.49	32.90	89.20	-159.16	-552.30	3,788.55	3,382.24	3,318.74	63.50	53.265		
7,150.00	6,927.91	7,204.44	6,899.63	33.32	89.23	-156.15	-552.38	3,788.42	3,427.25	3,363.71	63.54	53.940		
7,200.00	6,944.36	7,219.79	6,914.97	33.77	89.25	-151.75	-552.47	3,788.32	3,473.74	3,410.17	63.57	54.643		
7,250.00	6,957.05	7,231.67	6,926.85	34.27	89.26	-144.93	-552.53	3,788.24	3,521.42	3,457.83	63.59	55.377		
7,300.00	6,965.92	7,240.04	6,935.22	34.80	89.28	-133.61	-552.57	3,788.19	3,570.00	3,506.40	63.60	56.134		
7,350.00	6,970.89	7,244.85	6,940.03	35.37	89.28	-114.12	-552.60	3,788.16	3,619.17	3,555.57	63.60	56.909		
7,396.89	6,972.00	7,246.12	6,941.30	35.93	89.28	-86.87	-552.60	3,788.16	3,665.55	3,601.96	63.59	57.646		
7,400.00	6,971.96	7,246.10	6,941.28	35.97	89.28	-86.87	-552.60	3,788.16	3,668.62	3,605.04	63.59	57.695		
7,500.00	6,970.65	7,245.45	6,940.63	37.28	89.28	-86.80	-552.60	3,788.16	3,767.64	3,704.08	63.56	59.273		
7,600.00	6,969.33	7,244.81	6,939.99	38.76	89.28	-86.72	-552.60	3,788.16	3,866.71	3,803.16	63.55	60.844		
7,700.00	6,968.02	7,244.17	6,939.35	40.39	89.28	-86.65	-552.59	3,788.17	3,965.82	3,902.28	63.54	62.410		
7,800.00	6,966.70	7,243.53	6,938.72	42.15	89.28	-86.58	-552.59	3,788.17	4,064.98	4,001.43	63.54	63.970		
7,900.00	6,965.39	7,242.90	6,938.08	44.02	89.28	-86.51	-552.59	3,788.18	4,164.18	4,100.63	63.55	65.525		
8,000.00	6,964.07	7,242.27	6,937.45	45.99	89.28	-86.44	-552.58	3,788.18	4,263.41	4,199.85	63.56	67.074		
8,100.00	6,962.76	7,241.64	6,936.83	48.05	89.28	-86.38	-552.58	3,788.18	4,362.68	4,299.10	63.58	68.619		
8,200.00	6,961.45	7,241.02	6,936.20	50.19	89.28	-86.31	-552.58	3,788.19	4,461.98	4,398.39	63.60	70.159		
8,300.00	6,960.13	7,240.40	6,935.58	52.39	89.28	-86.24	-552.57	3,788.19	4,561.32	4,497.69	63.62	71.694		
8,400.00	6,958.82	7,239.78	6,934.96	54.65	89.28	-86.17	-552.57	3,788.19	4,660.68	4,597.03	63.65	73.224		
8,500.00	6,957.50	7,239.17	6,934.35	56.97	89.27	-86.10	-552.57	3,788.20	4,760.07	4,696.39	63.68	74.750		
8,600.00	6,956.19	7,238.55	6,933.74	59.33	89.27	-86.04	-552.56	3,788.20	4,859.48	4,795.77	63.71	76.272		
8,700.00	6,954.87	7,237.95	6,933.13	61.73	89.27	-85.97	-552.56	3,788.21	4,958.92	4,895.17	63.75	77.790		
8,800.00	6,953.56	7,237.34	6,932.52	64.16	89.27	-85.90	-552.56	3,788.21	5,058.37	4,994.59	63.79	79.303		
8,900.00	6,952.24	7,236.74	6,931.92	66.63	89.27	-85.84	-552.55	3,788.21	5,157.85	5,094.03	63.83	80.812		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	7,236.14	6,931.32	69.13	89.27	-85.77	-552.55	3,788.22	5,257.35	5,193.49	63.87	82.317		
9,100.00	6,949.61	7,235.54	6,930.73	71.65	89.27	-85.71	-552.55	3,788.22	5,356.87	5,292.96	63.91	83.818		
9,200.00	6,948.30	7,234.95	6,930.13	74.20	89.27	-85.64	-552.54	3,788.22	5,456.41	5,392.45	63.96	85.315		
9,300.00	6,946.98	7,234.36	6,929.54	76.77	89.27	-85.58	-552.54	3,788.23	5,555.96	5,491.95	64.00	86.808		
9,400.00	6,945.67	7,233.77	6,928.95	79.35	89.27	-85.51	-552.54	3,788.23	5,655.53	5,591.47	64.05	88.297		
9,500.00	6,944.35	7,233.18	6,928.37	81.95	89.27	-85.45	-552.54	3,788.23	5,755.11	5,691.01	64.10	89.783		
9,600.00	6,943.04	7,232.60	6,927.79	84.57	89.27	-85.38	-552.53	3,788.24	5,854.70	5,790.55	64.15	91.264		
9,700.00	6,941.73	7,232.02	6,927.21	87.21	89.26	-85.32	-552.53	3,788.24	5,954.31	5,890.11	64.20	92.742		
9,800.00	6,940.41	7,231.45	6,926.63	89.85	89.26	-85.26	-552.53	3,788.25	6,053.94	5,989.68	64.26	94.215		
9,900.00	6,939.10	7,230.87	6,926.06	92.51	89.26	-85.19	-552.52	3,788.25	6,153.57	6,089.26	64.31	95.685		
10,000.00	6,937.78	7,230.30	6,925.49	95.17	89.26	-85.13	-552.52	3,788.25	6,253.22	6,188.85	64.37	97.151		
10,100.00	6,936.47	7,229.73	6,924.92	97.85	89.26	-85.07	-552.52	3,788.26	6,352.88	6,288.45	64.42	98.613		
10,200.00	6,935.15	7,229.17	6,924.35	100.54	89.26	-85.01	-552.51	3,788.26	6,452.55	6,388.07	64.48	100.072		
10,300.00	6,933.84	7,228.61	6,923.79	103.23	89.26	-84.95	-552.51	3,788.26	6,552.22	6,487.69	64.54	101.526		
10,400.00	6,932.52	7,228.05	6,923.23	105.93	89.26	-84.88	-552.51	3,788.27	6,651.91	6,587.32	64.60	102.977		
10,500.00	6,931.21	7,227.49	6,922.67	108.64	89.26	-84.82	-552.51	3,788.27	6,751.61	6,686.95	64.66	104.423		
10,600.00	6,929.89	7,226.93	6,922.12	111.36	89.26	-84.76	-552.50	3,788.27	6,851.31	6,786.60	64.72	105.866		
10,700.00	6,928.58	7,226.38	6,921.57	114.08	89.26	-84.70	-552.50	3,788.28	6,951.03	6,886.25	64.78	107.305		
10,800.00	6,927.26	7,225.83	6,921.02	116.81	89.26	-84.64	-552.50	3,788.28	7,050.75	6,985.91	64.84	108.740		
10,900.00	6,925.95	7,225.28	6,920.47	119.54	89.25	-84.58	-552.49	3,788.28	7,150.48	7,085.58	64.90	110.171		
11,000.00	6,924.64	7,224.74	6,919.92	122.28	89.25	-84.52	-552.49	3,788.29	7,250.22	7,185.25	64.97	111.598		
11,100.00	6,923.32	7,224.20	6,919.38	125.02	89.25	-84.46	-552.49	3,788.29	7,349.96	7,284.93	65.03	113.021		
11,200.00	6,922.01	7,223.66	6,918.84	127.77	89.25	-84.40	-552.49	3,788.30	7,449.71	7,384.62	65.10	114.440		
11,300.00	6,920.69	7,223.12	6,918.31	130.52	89.25	-84.34	-552.48	3,788.30	7,549.47	7,484.31	65.16	115.855		
11,400.00	6,919.38	7,222.59	6,917.77	133.28	89.25	-84.29	-552.48	3,788.30	7,649.24	7,584.01	65.23	117.266		
11,500.00	6,918.06	7,222.05	6,917.24	136.04	89.25	-84.23	-552.48	3,788.31	7,749.01	7,683.71	65.30	118.673		
11,600.00	6,916.75	7,221.53	6,916.71	138.80	89.25	-84.17	-552.47	3,788.31	7,848.78	7,783.42	65.36	120.076		
11,700.00	6,915.43	7,221.00	6,916.18	141.56	89.25	-84.11	-552.47	3,788.31	7,948.56	7,883.13	65.43	121.475		
11,800.00	6,914.12	7,220.47	6,915.66	144.33	89.25	-84.06	-552.47	3,788.32	8,048.35	7,982.85	65.50	122.870		
11,900.00	6,912.80	7,219.95	6,915.14	147.10	89.25	-84.00	-552.47	3,788.32	8,148.14	8,082.57	65.57	124.261		
12,000.00	6,911.49	7,219.43	6,914.62	149.88	89.25	-83.94	-552.46	3,788.32	8,247.94	8,182.30	65.64	125.647		
12,100.00	6,910.17	7,218.91	6,914.10	152.65	89.25	-83.89	-552.46	3,788.33	8,347.74	8,282.03	65.72	127.029		
12,200.00	6,908.86	7,218.40	6,913.58	155.43	89.25	-83.83	-552.46	3,788.33	8,447.55	8,381.76	65.79	128.407		
12,300.00	6,907.54	7,217.89	6,913.07	158.21	89.24	-83.77	-552.46	3,788.33	8,547.36	8,481.50	65.86	129.781		
12,400.00	6,906.23	7,217.38	6,912.56	160.99	89.24	-83.72	-552.45	3,788.34	8,647.17	8,581.24	65.93	131.151		
12,500.00	6,904.92	7,216.87	6,912.05	163.78	89.24	-83.66	-552.45	3,788.34	8,746.99	8,680.99	66.01	132.516		
12,600.00	6,903.60	7,216.36	6,911.55	166.57	89.24	-83.61	-552.45	3,788.34	8,846.82	8,780.74	66.08	133.877		
12,700.00	6,902.29	7,215.86	6,911.04	169.35	89.24	-83.55	-552.44	3,788.35	8,946.65	8,880.49	66.16	135.234		
12,800.00	6,900.97	7,215.36	6,910.54	172.14	89.24	-83.50	-552.44	3,788.35	9,046.48	8,980.24	66.23	136.586		
12,900.00	6,899.66	7,214.86	6,910.04	174.94	89.24	-83.44	-552.44	3,788.35	9,146.31	9,080.00	66.31	137.935		
13,000.00	6,898.34	7,214.36	6,909.55	177.73	89.24	-83.39	-552.44	3,788.36	9,246.15	9,179.76	66.39	139.278		
13,100.00	6,897.03	7,213.87	6,909.05	180.53	89.24	-83.33	-552.43	3,788.36	9,345.99	9,279.53	66.46	140.618		
13,200.00	6,895.71	7,213.37	6,908.56	183.32	89.24	-83.28	-552.43	3,788.36	9,445.84	9,379.30	66.54	141.953		
13,300.00	6,894.40	7,212.88	6,908.07	186.12	89.24	-83.23	-552.43	3,788.37	9,545.69	9,479.06	66.62	143.283		
13,400.00	6,893.08	7,212.39	6,907.58	188.92	89.24	-83.17	-552.43	3,788.37	9,645.54	9,578.84	66.70	144.609		
13,500.00	6,891.77	7,211.91	6,907.09	191.72	89.24	-83.12	-552.42	3,788.37	9,745.39	9,678.61	66.78	145.931		
13,600.00	6,890.45	7,211.43	6,906.61	194.52	89.24	-83.07	-552.42	3,788.38	9,845.25	9,778.39	66.86	147.248		
13,700.00	6,889.14	7,210.94	6,906.13	197.32	89.23	-83.02	-552.42	3,788.38	9,945.11	9,878.17	66.94	148.561		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.22	-610.66	5,605.21	5,638.60					
100.00	100.00	39.92	39.92	3.28	3.28	96.22	-610.54	5,605.26	5,638.42	5,631.86	6.57	858.739		
200.00	200.00	485.34	484.33	3.34	3.99	95.99	-587.32	5,596.98	5,637.63	5,630.33	7.31	771.717		
300.00	299.98	708.24	704.66	3.44	4.98	-3.32	-556.48	5,583.72	5,628.03	5,619.70	8.33	675.647		
400.00	399.84	1,267.01	1,245.03	3.60	9.06	-4.63	-428.98	5,529.40	5,610.94	5,598.70	12.24	458.468		
500.00	499.45	1,388.98	1,359.77	3.80	10.27	-5.07	-390.80	5,513.40	5,586.27	5,572.74	13.53	412.813		
584.50	583.35	1,479.89	1,445.40	4.01	11.16	-5.42	-362.86	5,501.08	5,562.66	5,548.13	14.53	382.970		
600.00	598.71	1,496.34	1,460.90	4.05	11.32	-5.47	-357.85	5,498.82	5,558.10	5,543.39	14.71	377.775		
700.00	697.81	1,569.94	1,530.39	4.33	12.00	-5.72	-335.79	5,488.77	5,528.90	5,513.33	15.58	354.963		
800.00	796.91	1,650.76	1,606.94	4.64	12.72	-5.97	-312.26	5,477.90	5,500.12	5,483.61	16.51	333.112		
900.00	896.01	1,725.33	1,677.74	4.98	13.36	-6.21	-291.05	5,467.92	5,471.64	5,454.23	17.40	314.409		
1,000.00	995.11	1,784.28	1,733.85	5.34	13.84	-6.39	-274.68	5,460.31	5,443.77	5,425.59	18.18	299.414		
1,100.00	1,094.21	1,845.46	1,792.24	5.71	14.32	-6.58	-258.04	5,452.75	5,416.58	5,397.60	18.98	285.404		
1,200.00	1,193.31	1,914.04	1,857.81	6.10	14.85	-6.79	-239.69	5,444.63	5,390.05	5,370.21	19.84	271.735		
1,300.00	1,292.41	2,026.57	1,965.62	6.49	15.68	-7.13	-210.33	5,431.20	5,363.62	5,342.63	20.99	255.566		
1,400.00	1,391.51	2,146.96	2,080.96	6.90	16.57	-7.49	-179.18	5,416.39	5,337.00	5,314.80	22.20	240.405		
1,500.00	1,490.61	2,233.51	2,163.75	7.31	17.21	-7.76	-156.53	5,405.33	5,310.05	5,286.85	23.20	228.880		
1,600.00	1,589.71	2,300.00	2,227.49	7.73	17.70	-7.96	-139.35	5,397.33	5,283.87	5,259.80	24.07	219.505		
1,700.00	1,688.81	2,351.95	2,277.34	8.16	18.07	-8.12	-125.99	5,391.41	5,258.38	5,233.53	24.85	211.644		
1,800.00	1,787.92	2,455.79	2,376.87	8.59	18.81	-8.45	-98.74	5,379.83	5,233.35	5,207.37	25.97	201.490		
1,900.00	1,887.02	2,597.01	2,511.69	9.02	19.87	-8.92	-60.22	5,363.03	5,207.69	5,180.30	27.39	190.114		
2,000.00	1,986.12	2,738.89	2,646.37	9.46	21.04	-9.42	-19.38	5,345.11	5,181.51	5,152.60	28.91	179.231		
2,100.00	2,085.22	2,840.69	2,742.27	9.90	21.93	-9.80	11.90	5,331.34	5,154.54	5,124.35	30.19	170.732		
2,200.00	2,184.32	2,900.00	2,798.26	10.34	22.46	-10.03	29.86	5,323.63	5,128.29	5,097.14	31.14	164.661		
2,300.00	2,283.42	3,010.65	2,903.18	10.78	23.37	-10.43	61.96	5,309.37	5,102.37	5,069.92	32.45	157.233		
2,400.00	2,382.52	3,100.00	2,987.74	11.23	24.12	-10.76	88.26	5,297.47	5,076.23	5,042.61	33.62	150.987		
2,500.00	2,481.62	3,159.95	3,044.56	11.68	24.60	-10.99	105.73	5,289.69	5,050.65	5,016.10	34.55	146.191		
2,600.00	2,580.72	3,215.73	3,097.86	12.13	25.03	-11.18	120.72	5,282.97	5,026.04	4,990.60	35.44	141.835		
2,700.00	2,679.82	3,297.39	3,176.11	12.58	25.61	-11.46	142.06	5,273.46	5,001.98	4,965.52	36.46	137.200		
2,800.00	2,778.92	3,417.64	3,291.34	13.03	26.46	-11.88	173.29	5,259.08	4,977.75	4,940.03	37.72	131.966		
2,900.00	2,878.02	3,473.33	3,344.87	13.48	26.84	-12.06	187.20	5,252.57	4,953.96	4,915.39	38.57	128.451		
3,000.00	2,977.12	3,620.43	3,486.88	13.94	27.78	-12.53	221.57	5,235.59	4,930.57	4,890.66	39.91	123.551		
3,100.00	3,076.22	3,660.76	3,525.87	14.39	28.03	-12.66	230.81	5,230.99	4,907.06	4,866.41	40.65	120.727		
3,200.00	3,175.32	3,740.66	3,603.12	14.85	28.54	-12.91	249.25	5,222.26	4,884.33	4,842.72	41.61	117.387		
3,300.00	3,274.43	3,968.60	3,820.71	15.30	30.26	-13.76	310.52	5,193.50	4,860.19	4,816.54	43.65	111.344		
3,400.00	3,373.53	4,057.00	3,903.69	15.76	31.07	-14.14	338.30	5,181.03	4,835.20	4,790.29	44.91	107.662		
3,500.00	3,472.63	4,127.79	3,970.02	16.22	31.72	-14.46	361.02	5,171.17	4,810.67	4,764.63	46.04	104.493		
3,600.00	3,571.73	4,188.57	4,027.28	16.68	32.26	-14.72	379.74	5,163.11	4,786.91	4,739.84	47.07	101.701		
3,700.00	3,670.83	4,241.32	4,077.25	17.14	32.68	-14.94	395.27	5,156.51	4,764.03	4,716.03	48.00	99.260		
3,800.00	3,769.93	4,300.00	4,133.07	17.59	33.14	-15.18	412.05	5,149.76	4,742.16	4,693.21	48.95	96.875		
3,900.00	3,869.03	4,395.54	4,223.80	18.05	33.87	-15.58	439.98	5,139.00	4,720.85	4,670.69	50.16	94.113		
4,000.00	3,968.13	4,546.42	4,366.50	18.51	35.11	-16.23	485.38	5,120.56	4,698.89	4,647.07	51.83	90.666		
4,100.00	4,067.23	4,641.30	4,455.98	18.98	35.93	-16.65	514.44	5,108.29	4,676.64	4,623.52	53.12	88.038		
4,200.00	4,166.33	4,779.80	4,585.66	19.44	37.19	-17.31	559.48	5,089.91	4,654.66	4,599.85	54.82	84.911		
4,300.00	4,265.43	4,895.55	4,694.64	19.90	38.23	-17.84	594.79	5,073.40	4,631.70	4,575.39	56.31	82.257		
4,400.00	4,364.53	4,955.06	4,750.85	20.36	38.74	-18.11	612.46	5,065.05	4,609.17	4,551.84	57.33	80.393		
4,500.00	4,463.63	5,014.22	4,806.87	20.82	39.24	-18.37	629.82	5,057.22	4,587.56	4,529.21	58.35	78.625		
4,600.00	4,562.73	5,077.87	4,867.21	21.28	39.75	-18.66	648.41	5,049.21	4,566.79	4,507.42	59.37	76.916		
4,700.00	4,661.83	5,153.57	4,939.21	21.75	40.32	-18.99	669.99	5,040.18	4,546.77	4,486.32	60.45	75.217		
4,800.00	4,760.93	5,222.55	5,005.33	22.21	40.79	-19.27	688.01	5,032.38	4,527.26	4,465.83	61.43	73.696		
4,900.00	4,860.04	5,274.55	5,055.66	22.67	41.10	-19.46	699.99	5,027.20	4,508.72	4,446.46	62.26	72.421		
5,000.00	4,959.14	5,331.25	5,111.02	23.13	41.38	-19.65	711.27	5,022.37	4,491.19	4,428.14	63.05	71.230		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,400.00	5,178.66	23.60	41.67	-19.85	722.50	5,017.53	4,474.57	4,410.72	63.85	70.083		
5,200.00	5,157.34	5,463.38	5,241.39	24.06	41.89	-20.00	730.79	5,013.88	4,458.68	4,394.13	64.56	69.064		
5,300.00	5,256.44	5,540.83	5,318.32	24.52	42.13	-20.16	738.90	5,010.19	4,443.39	4,378.10	65.29	68.059		
5,400.00	5,355.54	5,621.59	5,398.69	24.99	42.36	-20.30	746.10	5,006.89	4,428.52	4,362.51	66.00	67.095		
5,500.00	5,454.64	5,700.00	5,476.84	25.45	42.58	-20.43	751.91	5,004.27	4,414.12	4,347.42	66.70	66.178		
5,600.00	5,553.74	5,769.11	5,545.79	25.92	42.76	-20.54	756.20	5,002.52	4,400.30	4,332.94	67.36	65.321		
5,700.00	5,652.84	5,855.31	5,631.87	26.38	42.98	-20.65	760.55	5,001.01	4,387.04	4,318.98	68.06	64.462		
5,800.00	5,751.94	5,962.78	5,739.28	26.84	43.24	-20.76	763.76	4,999.57	4,373.80	4,305.02	68.78	63.588		
5,900.00	5,851.04	6,066.24	5,842.72	27.31	43.50	-20.85	765.08	4,998.30	4,360.34	4,290.84	69.50	62.741		
6,000.00	5,950.14	6,172.96	5,949.44	27.77	43.76	-20.93	766.07	4,997.00	4,346.82	4,276.60	70.22	61.903		
6,100.00	6,049.24	6,283.11	6,059.57	28.24	44.04	-21.02	767.08	4,995.36	4,333.05	4,262.10	70.95	61.071		
6,200.00	6,148.34	6,395.44	6,171.87	28.70	44.32	-21.11	768.02	4,993.39	4,319.02	4,247.33	71.69	60.247		
6,304.69	6,252.09	6,501.20	6,277.60	29.19	44.59	-21.20	769.18	4,991.27	4,304.14	4,231.69	72.44	59.413		
6,350.00	6,297.17	6,537.10	6,313.49	29.39	44.69	-33.22	769.75	4,990.55	4,299.31	4,226.56	72.75	59.097		
6,394.28	6,341.41	6,572.63	6,349.01	29.57	44.78	-119.12	770.40	4,989.89	4,297.75	4,224.72	73.03	58.846 CC		
6,400.00	6,347.13	6,577.22	6,353.60	29.59	44.79	-134.67	770.48	4,989.81	4,297.78	4,224.71	73.07	58.817 ES		
6,450.00	6,397.02	6,621.18	6,397.54	29.78	44.91	-174.91	771.40	4,989.07	4,300.21	4,226.84	73.38	58.604		
6,500.00	6,446.53	6,669.87	6,446.21	29.96	45.04	178.36	772.54	4,988.24	4,306.53	4,232.85	73.68	58.448		
6,550.00	6,495.35	6,716.86	6,493.18	30.14	45.16	175.61	773.75	4,987.43	4,316.66	4,242.70	73.97	58.358		
6,600.00	6,543.19	6,761.16	6,537.46	30.33	45.28	174.02	774.93	4,986.70	4,330.59	4,256.35	74.24	58.333 SF		
6,650.00	6,589.76	6,804.67	6,580.95	30.52	45.40	172.88	776.08	4,986.02	4,348.21	4,273.71	74.49	58.371		
6,700.00	6,634.75	6,849.90	6,626.16	30.71	45.52	171.93	777.29	4,985.32	4,369.40	4,294.66	74.74	58.465		
6,750.00	6,677.90	6,893.34	6,669.58	30.91	45.64	171.06	778.46	4,984.65	4,394.01	4,319.05	74.96	58.618		
6,800.00	6,718.94	6,944.75	6,720.96	31.13	45.78	170.18	779.92	4,983.79	4,421.85	4,346.66	75.19	58.811		
6,850.00	6,757.62	6,995.33	6,771.51	31.36	45.92	169.25	781.55	4,982.77	4,452.70	4,377.30	75.40	59.054		
6,900.00	6,793.70	7,042.61	6,818.74	31.61	46.05	168.20	783.26	4,981.65	4,486.37	4,410.78	75.59	59.348		
6,950.00	6,826.95	7,086.57	6,862.65	31.88	46.18	166.97	785.03	4,980.48	4,522.69	4,446.92	75.77	59.691		
7,000.00	6,857.18	7,119.85	6,895.88	32.19	46.27	165.45	786.49	4,979.51	4,561.45	4,485.55	75.91	60.092		
7,050.00	6,884.18	7,146.62	6,922.61	32.52	46.35	163.54	787.75	4,978.72	4,602.50	4,526.48	76.02	60.543		
7,100.00	6,907.81	7,170.24	6,946.19	32.90	46.42	161.06	788.94	4,978.01	4,645.57	4,569.45	76.12	61.033		
7,150.00	6,927.91	7,190.56	6,966.48	33.32	46.48	157.70	790.01	4,977.40	4,690.39	4,614.20	76.19	61.560		
7,200.00	6,944.36	7,206.07	6,981.95	33.77	46.53	152.92	790.87	4,976.93	4,736.70	4,660.45	76.25	62.120		
7,250.00	6,957.05	7,216.92	6,992.78	34.27	46.56	145.74	791.48	4,976.60	4,784.22	4,707.92	76.29	62.709		
7,300.00	6,965.92	7,224.79	7,000.64	34.80	46.58	134.36	791.93	4,976.37	4,832.63	4,756.31	76.32	63.320		
7,350.00	6,970.89	7,229.67	7,005.50	35.37	46.60	115.95	792.22	4,976.22	4,881.65	4,805.31	76.34	63.946		
7,396.89	6,972.00	7,231.50	7,007.33	35.93	46.60	91.57	792.33	4,976.17	4,927.91	4,851.56	76.35	64.543		
7,400.00	6,971.96	7,231.54	7,007.36	35.97	46.60	91.57	792.33	4,976.17	4,930.97	4,854.62	76.35	64.583		
7,500.00	6,970.65	7,232.61	7,008.44	37.28	46.61	91.65	792.39	4,976.14	5,029.73	4,953.36	76.37	65.862		
7,600.00	6,969.33	7,233.68	7,009.50	38.76	46.61	91.72	792.46	4,976.11	5,128.54	5,052.15	76.39	67.137		
7,700.00	6,968.02	7,234.74	7,010.56	40.39	46.61	91.80	792.52	4,976.08	5,227.39	5,150.98	76.42	68.407		
7,800.00	6,966.70	7,235.80	7,011.61	42.15	46.62	91.88	792.58	4,976.04	5,326.29	5,249.84	76.45	69.673		
7,900.00	6,965.39	7,236.84	7,012.66	44.02	46.62	91.96	792.64	4,976.01	5,425.22	5,348.74	76.48	70.935		
8,000.00	6,964.07	7,237.88	7,013.70	45.99	46.62	92.03	792.71	4,975.98	5,524.20	5,447.68	76.52	72.193		
8,100.00	6,962.76	7,238.92	7,014.73	48.05	46.63	92.11	792.77	4,975.95	5,623.21	5,546.65	76.56	73.447		
8,200.00	6,961.45	7,239.95	7,015.76	50.19	46.63	92.18	792.83	4,975.92	5,722.25	5,645.64	76.61	74.698		
8,300.00	6,960.13	7,240.97	7,016.78	52.39	46.63	92.26	792.89	4,975.89	5,821.33	5,744.67	76.65	75.944		
8,400.00	6,958.82	7,241.98	7,017.79	54.65	46.63	92.33	792.95	4,975.87	5,920.43	5,843.73	76.70	77.187		
8,500.00	6,957.50	7,242.99	7,018.79	56.97	46.64	92.40	793.01	4,975.84	6,019.57	5,942.82	76.75	78.427		
8,600.00	6,956.19	7,243.99	7,019.79	59.33	46.64	92.48	793.07	4,975.81	6,118.73	6,041.93	76.81	79.663		
8,700.00	6,954.87	7,244.99	7,020.79	61.73	46.64	92.55	793.13	4,975.78	6,217.93	6,141.06	76.86	80.896		
8,800.00	6,953.56	7,245.98	7,021.77	64.16	46.65	92.62	793.19	4,975.75	6,317.14	6,240.22	76.92	82.125		
8,900.00	6,952.24	7,246.96	7,022.76	66.63	46.65	92.69	793.25	4,975.72	6,416.38	6,339.40	76.98	83.352		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	7,247.94	7,023.73	69.13	46.65	92.76	793.31	4,975.69	6,515.64	6,438.60	77.04	84.575		
9,100.00	6,949.61	7,248.91	7,024.70	71.65	46.66	92.83	793.37	4,975.67	6,614.93	6,537.83	77.10	85.794		
9,200.00	6,948.30	7,249.88	7,025.66	74.20	46.66	92.90	793.43	4,975.64	6,714.24	6,637.07	77.17	87.011		
9,300.00	6,946.98	7,250.83	7,026.62	76.77	46.66	92.97	793.49	4,975.61	6,813.56	6,736.33	77.23	88.225		
9,400.00	6,945.67	7,251.79	7,027.57	79.35	46.66	93.04	793.55	4,975.58	6,912.91	6,835.61	77.30	89.435		
9,500.00	6,944.35	7,252.74	7,028.52	81.95	46.67	93.11	793.60	4,975.56	7,012.27	6,934.91	77.36	90.643		
9,600.00	6,943.04	7,253.68	7,029.46	84.57	46.67	93.18	793.66	4,975.53	7,111.65	7,034.23	77.43	91.847		
9,700.00	6,941.73	7,254.61	7,030.39	87.21	46.67	93.25	793.72	4,975.50	7,211.05	7,133.56	77.50	93.049		
9,800.00	6,940.41	7,255.54	7,031.32	89.85	46.68	93.32	793.78	4,975.48	7,310.47	7,232.90	77.57	94.247		
9,900.00	6,939.10	7,256.47	7,032.24	92.51	46.68	93.38	793.84	4,975.45	7,409.90	7,332.26	77.64	95.443		
10,000.00	6,937.78	7,257.39	7,033.16	95.17	46.68	93.45	793.89	4,975.42	7,509.34	7,431.64	77.71	96.635		
10,100.00	6,936.47	7,258.30	7,034.07	97.85	46.68	93.52	793.95	4,975.40	7,608.80	7,531.02	77.78	97.825		
10,200.00	6,935.15	7,259.21	7,034.97	100.54	46.69	93.58	794.01	4,975.37	7,708.28	7,630.43	77.85	99.012		
10,300.00	6,933.84	7,260.11	7,035.87	103.23	46.69	93.65	794.06	4,975.35	7,807.76	7,729.84	77.93	100.195		
10,400.00	6,932.52	7,261.01	7,036.77	105.93	46.69	93.71	794.12	4,975.32	7,907.26	7,829.27	78.00	101.376		
10,500.00	6,931.21	7,261.90	7,037.66	108.64	46.69	93.78	794.17	4,975.30	8,006.78	7,928.70	78.07	102.554		
10,600.00	6,929.89	7,262.79	7,038.54	111.36	46.70	93.84	794.23	4,975.27	8,106.30	8,028.15	78.15	103.729		
10,700.00	6,928.58	7,263.67	7,039.42	114.08	46.70	93.90	794.28	4,975.25	8,205.84	8,127.61	78.22	104.901		
10,800.00	6,927.26	7,264.55	7,040.30	116.81	46.70	93.97	794.34	4,975.22	8,305.38	8,227.08	78.30	106.070		
10,900.00	6,925.95	7,265.42	7,041.17	119.54	46.70	94.03	794.39	4,975.20	8,404.94	8,326.56	78.38	107.236		
11,000.00	6,924.64	7,266.28	7,042.03	122.28	46.71	94.09	794.45	4,975.17	8,504.51	8,426.05	78.46	108.400		
11,100.00	6,923.32	7,267.14	7,042.89	125.02	46.71	94.15	794.50	4,975.15	8,604.08	8,525.55	78.53	109.560		
11,200.00	6,922.01	7,268.00	7,043.74	127.77	46.71	94.22	794.56	4,975.13	8,703.67	8,625.06	78.61	110.718		
11,300.00	6,920.69	7,268.85	7,044.59	130.52	46.72	94.28	794.61	4,975.10	8,803.27	8,724.58	78.69	111.872		
11,400.00	6,919.38	7,269.70	7,045.44	133.28	46.72	94.34	794.66	4,975.08	8,902.87	8,824.10	78.77	113.024		
11,500.00	6,918.06	7,270.54	7,046.28	136.04	46.72	94.40	794.72	4,975.06	9,002.49	8,923.64	78.85	114.172		
11,600.00	6,916.75	7,271.37	7,047.11	138.80	46.72	94.46	794.77	4,975.03	9,102.11	9,023.18	78.93	115.318		
11,700.00	6,915.43	7,272.21	7,047.94	141.56	46.73	94.52	794.82	4,975.01	9,201.74	9,122.73	79.01	116.460		
11,800.00	6,914.12	7,273.03	7,048.76	144.33	46.73	94.58	794.88	4,974.99	9,301.38	9,222.28	79.09	117.600		
11,900.00	6,912.80	7,273.85	7,049.58	147.10	46.73	94.64	794.93	4,974.96	9,401.02	9,321.85	79.18	118.737		
12,000.00	6,911.49	7,274.67	7,050.40	149.88	46.73	94.70	794.98	4,974.94	9,500.67	9,421.42	79.26	119.871		
12,100.00	6,910.17	7,275.48	7,051.21	152.65	46.74	94.76	795.03	4,974.92	9,600.33	9,520.99	79.34	121.001		
12,200.00	6,908.86	7,276.29	7,052.02	155.43	46.74	94.81	795.09	4,974.90	9,700.00	9,620.58	79.42	122.129		
12,300.00	6,907.54	7,277.10	7,052.82	158.21	46.74	94.87	795.14	4,974.87	9,799.67	9,720.17	79.51	123.254		
12,400.00	6,906.23	7,277.90	7,053.62	160.99	46.74	94.93	795.19	4,974.85	9,899.35	9,819.76	79.59	124.376		
12,500.00	6,904.92	7,278.69	7,054.41	163.78	46.74	94.99	795.24	4,974.83	9,999.04	9,919.36	79.68	125.494		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.66	-652.19	5,581.56	5,619.76					
100.00	100.00	54.00	54.00	3.28	3.28	96.66	-652.17	5,581.54	5,619.52	5,612.95	6.57	855.741		
200.00	200.00	162.00	162.00	3.34	3.30	96.66	-652.02	5,581.40	5,619.37	5,612.74	6.64	846.768		
300.00	299.98	269.98	269.98	3.44	3.33	-2.34	-651.72	5,581.13	5,617.35	5,610.57	6.78	829.055		
400.00	399.84	377.79	377.79	3.60	3.38	-2.35	-651.28	5,580.72	5,611.69	5,604.71	6.98	803.680		
500.00	499.45	485.30	485.29	3.80	3.45	-2.37	-650.68	5,580.17	5,602.42	5,595.16	7.25	772.503		
584.50	583.35	575.80	575.79	4.01	3.52	-2.39	-650.07	5,579.61	5,591.77	5,584.24	7.52	743.155		
600.00	598.71	592.36	592.35	4.05	3.53	-2.39	-649.94	5,579.49	5,589.58	5,582.00	7.58	737.352		
700.00	697.81	699.20	699.18	4.33	3.62	-2.41	-649.06	5,578.68	5,575.36	5,567.42	7.94	701.886		
800.00	796.91	805.99	805.96	4.64	3.73	-2.42	-648.03	5,577.73	5,561.01	5,552.67	8.35	666.266		
900.00	896.01	912.73	912.69	4.98	3.84	-2.44	-646.86	5,576.65	5,546.52	5,537.74	8.78	631.444		
1,000.00	995.11	1,019.42	1,019.37	5.34	3.97	-2.46	-645.54	5,575.44	5,531.89	5,522.64	9.25	598.030		
1,100.00	1,094.21	1,126.07	1,126.00	5.71	4.11	-2.48	-644.07	5,574.09	5,517.12	5,507.38	9.74	566.376		
1,200.00	1,193.31	1,232.66	1,232.57	6.10	4.25	-2.50	-642.46	5,572.61	5,502.22	5,491.97	10.25	536.646		
1,300.00	1,292.41	1,341.83	1,341.71	6.49	4.47	-2.52	-640.67	5,570.95	5,487.17	5,476.32	10.84	506.096		
1,400.00	1,391.51	1,441.16	1,441.01	6.90	4.77	-2.54	-639.06	5,569.25	5,471.94	5,460.40	11.53	474.387		
1,500.00	1,490.61	1,530.69	1,530.52	7.31	5.07	-2.56	-637.96	5,567.84	5,456.88	5,444.66	12.22	446.485		
1,600.00	1,589.71	1,661.70	1,661.50	7.73	5.52	-2.58	-636.51	5,565.62	5,441.76	5,428.70	13.07	416.443		
1,700.00	1,688.81	1,787.14	1,786.91	8.16	5.97	-2.59	-635.93	5,562.45	5,425.84	5,411.93	13.92	389.895		
1,800.00	1,787.92	3,102.30	3,084.97	8.59	11.46	-2.28	-650.99	5,386.55	5,407.92	5,388.77	19.15	282.411		
1,900.00	1,887.02	1,900.00	3,243.24	9.02	6.27	-2.18	-655.59	5,343.97	5,369.77	5,355.22	14.55	369.159		
2,000.00	1,986.12	3,329.32	3,303.93	9.46	12.58	-2.16	-656.25	5,326.93	5,330.63	5,309.74	20.89	255.160		
2,100.00	2,085.22	3,365.00	3,338.45	9.90	12.75	-2.14	-656.58	5,317.93	5,292.84	5,271.36	21.49	246.350		
2,200.00	2,184.32	3,409.88	3,381.98	10.34	12.97	-2.12	-657.20	5,307.02	5,255.99	5,233.87	22.12	237.622		
2,300.00	2,283.42	3,683.99	3,646.96	10.78	14.36	-1.94	-665.22	5,237.42	5,219.36	5,195.77	23.60	221.196		
2,400.00	2,382.52	3,824.84	3,782.06	11.23	15.10	-1.83	-670.21	5,197.91	5,179.33	5,154.74	24.59	210.612		
2,500.00	2,481.62	4,003.02	3,951.99	11.68	16.07	-1.67	-677.20	5,144.79	5,137.32	5,111.59	25.73	199.697		
2,600.00	2,580.72	4,021.00	3,969.12	12.13	16.17	-1.66	-677.83	5,139.36	5,095.73	5,069.44	26.29	193.803		
2,700.00	2,679.82	4,070.66	4,016.58	12.58	16.44	-1.61	-679.67	5,124.88	5,054.96	5,027.98	26.98	187.376		
2,800.00	2,778.92	4,115.00	4,059.22	13.03	16.68	-1.57	-681.48	5,112.84	5,015.57	4,987.92	27.65	181.410		
2,900.00	2,878.02	4,115.00	4,059.22	13.48	16.68	-1.57	-681.48	5,112.84	4,977.24	4,949.07	28.16	176.719		
3,000.00	2,977.12	4,172.04	4,114.33	13.94	16.98	-1.52	-683.80	5,098.32	4,939.87	4,910.99	28.88	171.019		
3,100.00	3,076.22	4,208.00	4,149.19	14.39	17.17	-1.49	-685.17	5,089.61	4,903.58	4,874.04	29.53	166.031		
3,200.00	3,175.32	4,253.53	4,193.46	14.85	17.40	-1.46	-686.84	5,079.07	4,868.27	4,838.06	30.22	161.107		
3,300.00	3,274.43	4,302.00	4,240.71	15.30	17.65	-1.42	-688.61	5,068.43	4,834.00	4,803.08	30.91	156.370		
3,400.00	3,373.53	4,335.21	4,273.17	15.76	17.81	-1.40	-689.80	5,061.50	4,800.74	4,769.18	31.56	152.132		
3,500.00	3,472.63	4,396.00	4,332.75	16.22	18.11	-1.35	-691.80	5,049.63	4,768.66	4,736.36	32.30	147.650		
3,600.00	3,571.73	4,424.69	4,360.93	16.68	18.25	-1.33	-692.67	5,044.34	4,737.42	4,704.50	32.92	143.887		
3,700.00	3,670.83	4,490.00	4,425.18	17.14	18.57	-1.29	-694.49	5,032.72	4,707.08	4,673.40	33.68	139.753		
3,800.00	3,769.93	4,524.61	4,459.28	17.59	18.74	-1.27	-695.36	5,026.90	4,677.62	4,643.29	34.33	136.259		
3,900.00	3,869.03	4,583.00	4,516.97	18.05	19.01	-1.24	-696.70	5,017.93	4,649.42	4,614.36	35.06	132.612		
4,000.00	3,968.13	4,583.00	4,516.97	18.51	19.01	-1.24	-696.70	5,017.93	4,622.32	4,586.74	35.58	129.908		
4,100.00	4,067.23	4,632.14	4,565.65	18.98	19.24	-1.22	-697.70	5,011.36	4,596.44	4,560.17	36.27	126.716		
4,200.00	4,166.33	4,677.00	4,610.22	19.44	19.44	-1.20	-698.49	5,006.29	4,572.07	4,535.12	36.95	123.739		
4,300.00	4,265.43	4,709.80	4,642.85	19.90	19.58	-1.19	-698.94	5,003.01	4,548.88	4,511.30	37.58	121.060		
4,400.00	4,364.53	4,771.00	4,703.80	20.36	19.85	-1.18	-699.37	4,997.50	4,526.74	4,488.44	38.30	118.178		
4,500.00	4,463.63	4,806.16	4,738.85	20.82	20.00	-1.18	-699.34	4,994.76	4,505.63	4,466.70	38.93	115.733		
4,600.00	4,562.73	4,864.00	4,796.57	21.28	20.25	-1.18	-698.74	4,991.13	4,485.80	4,446.16	39.64	113.163		
4,700.00	4,661.83	4,893.66	4,826.19	21.75	20.37	-1.19	-698.29	4,989.65	4,467.05	4,426.82	40.24	111.019		
4,800.00	4,760.93	4,958.00	4,890.48	22.21	20.64	-1.19	-697.46	4,987.15	4,449.56	4,408.60	40.96	108.626		
4,900.00	4,860.04	4,998.97	4,931.43	22.67	20.81	-1.20	-697.06	4,985.97	4,433.00	4,391.41	41.59	106.579		
5,000.00	4,959.14	5,065.90	4,998.34	23.13	21.08	-1.20	-696.63	4,984.45	4,417.29	4,374.97	42.32	104.368		

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 13N-6B-M
<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 13N-6B-M	<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		
5,100.00	5,058.24	5,065.90	4,998.34	23.60	21.08	-1.20	-696.63	4,984.45	4,403.03	4,360.25	42.78	102.926		
5,200.00	5,157.34	5,065.90	4,998.34	24.06	21.08	-1.20	-696.63	4,984.45	4,390.99	4,347.78	43.21	101.610		
5,300.00	5,256.44	5,065.90	4,998.34	24.52	21.08	-1.20	-696.63	4,984.45	4,381.20	4,337.57	43.63	100.417		
5,400.00	5,355.54	5,065.90	4,998.34	24.99	21.08	-1.20	-696.63	4,984.45	4,373.68	4,329.66	44.03	99.343		
5,500.00	5,454.64	5,065.90	4,998.34	25.45	21.08	-1.20	-696.63	4,984.45	4,368.44	4,324.04	44.40	98.388		
5,600.00	5,553.74	5,065.90	4,998.34	25.92	21.08	-1.20	-696.63	4,984.45	4,365.48	4,320.73	44.75	97.548		
5,679.25	5,632.27	5,065.90	4,998.34	26.28	21.08	-1.20	-696.63	4,984.45	4,364.76	4,319.74	45.02	96.962 CC		
5,700.00	5,652.84	5,065.90	4,998.34	26.38	21.08	-1.20	-696.63	4,984.45	4,364.81	4,319.73	45.08	96.820 ES		
5,800.00	5,751.94	5,065.90	4,998.34	26.84	21.08	-1.20	-696.63	4,984.45	4,366.43	4,321.04	45.39	96.202		
5,900.00	5,851.04	5,065.90	4,998.34	27.31	21.08	-1.20	-696.63	4,984.45	4,370.34	4,324.67	45.67	95.693		
6,000.00	5,950.14	5,065.90	4,998.34	27.77	21.08	-1.20	-696.63	4,984.45	4,376.53	4,330.60	45.93	95.289		
6,100.00	6,049.24	5,065.90	4,998.34	28.24	21.08	-1.20	-696.63	4,984.45	4,384.99	4,338.83	46.16	94.988		
6,200.00	6,148.34	5,065.90	4,998.34	28.70	21.08	-1.20	-696.63	4,984.45	4,395.71	4,349.34	46.37	94.788		
6,304.69	6,252.09	5,065.90	4,998.34	29.19	21.08	-1.20	-696.63	4,984.45	4,409.34	4,362.77	46.57	94.684 SF		
6,350.00	6,297.17	5,065.90	4,998.34	29.39	21.08	-13.14	-696.63	4,984.45	4,417.56	4,370.92	46.64	94.710		
6,400.00	6,347.13	5,065.90	4,998.34	29.59	21.08	-114.37	-696.63	4,984.45	4,430.73	4,384.02	46.71	94.866		
6,450.00	6,397.02	5,065.90	4,998.34	29.78	21.08	-154.24	-696.63	4,984.45	4,448.09	4,401.34	46.74	95.159		
6,500.00	6,446.53	5,065.90	4,998.34	29.96	21.08	-160.45	-696.63	4,984.45	4,469.47	4,422.71	46.76	95.574		
6,550.00	6,495.35	5,065.90	4,998.34	30.14	21.08	-162.51	-696.63	4,984.45	4,494.70	4,447.93	46.77	96.099		
6,600.00	6,543.19	5,065.90	4,998.34	30.33	21.08	-163.21	-696.63	4,984.45	4,523.56	4,476.79	46.77	96.728		
6,650.00	6,589.76	5,065.90	4,998.34	30.52	21.08	-163.21	-696.63	4,984.45	4,555.79	4,509.05	46.75	97.451		
6,700.00	6,634.75	5,065.90	4,998.34	30.71	21.08	-162.71	-696.63	4,984.45	4,591.14	4,544.42	46.72	98.261		
6,750.00	6,677.90	5,065.90	4,998.34	30.91	21.08	-161.75	-696.63	4,984.45	4,629.32	4,582.62	46.69	99.146		
6,800.00	6,718.94	5,065.90	4,998.34	31.13	21.08	-160.26	-696.63	4,984.45	4,670.01	4,623.36	46.66	100.096		
6,850.00	6,757.62	5,065.90	4,998.34	31.36	21.08	-158.10	-696.63	4,984.45	4,712.92	4,666.30	46.62	101.098		
6,900.00	6,793.70	5,065.90	4,998.34	31.61	21.08	-154.98	-696.63	4,984.45	4,757.72	4,711.14	46.58	102.139		
6,950.00	6,826.95	5,065.90	4,998.34	31.88	21.08	-150.33	-696.63	4,984.45	4,804.08	4,757.53	46.55	103.208		
7,000.00	6,857.18	5,065.90	4,998.34	32.19	21.08	-143.14	-696.63	4,984.45	4,851.68	4,805.16	46.52	104.291		
7,050.00	6,884.18	5,065.90	4,998.34	32.52	21.08	-131.37	-696.63	4,984.45	4,900.20	4,853.70	46.50	105.375		
7,100.00	6,907.81	5,065.90	4,998.34	32.90	21.08	-111.83	-696.63	4,984.45	4,949.31	4,902.81	46.50	106.447		
7,150.00	6,927.91	5,065.90	4,998.34	33.32	21.08	-84.15	-696.63	4,984.45	4,998.69	4,952.19	46.50	107.493		
7,200.00	6,944.36	5,065.90	4,998.34	33.77	21.08	-57.99	-696.63	4,984.45	5,048.04	5,001.52	46.52	108.502		
7,250.00	6,957.05	5,065.90	4,998.34	34.27	21.08	-40.67	-696.63	4,984.45	5,097.06	5,050.50	46.56	109.461		
7,300.00	6,965.92	5,065.90	4,998.34	34.80	21.08	-30.23	-696.63	4,984.45	5,145.46	5,098.84	46.62	110.360		
7,350.00	6,970.89	5,065.90	4,998.34	35.37	21.08	-23.70	-696.63	4,984.45	5,192.97	5,146.26	46.71	111.186		
7,396.89	6,972.00	5,065.90	4,998.34	35.93	21.08	-19.58	-696.63	4,984.45	5,236.47	5,189.67	46.80	111.891		
7,400.00	6,971.96	5,065.90	4,998.34	35.97	21.08	-19.58	-696.63	4,984.45	5,239.32	5,192.51	46.80	111.942		
7,500.00	6,970.65	5,065.90	4,998.34	37.28	21.08	-19.58	-696.63	4,984.45	5,331.01	5,283.97	47.04	113.336		
7,600.00	6,969.33	5,065.90	4,998.34	38.76	21.08	-19.58	-696.63	4,984.45	5,423.00	5,375.73	47.27	114.728		
7,700.00	6,968.02	5,065.90	4,998.34	40.39	21.08	-19.58	-696.63	4,984.45	5,515.27	5,467.77	47.50	116.118		
7,800.00	6,966.70	5,065.90	4,998.34	42.15	21.08	-19.58	-696.63	4,984.45	5,607.80	5,560.07	47.72	117.508		
7,900.00	6,965.39	5,065.90	4,998.34	44.02	21.08	-19.58	-696.63	4,984.45	5,700.58	5,652.64	47.95	118.897		
8,000.00	6,964.07	5,065.90	4,998.34	45.99	21.08	-19.58	-696.63	4,984.45	5,793.61	5,745.44	48.17	120.286		
8,100.00	6,962.76	5,065.90	4,998.34	48.05	21.08	-19.58	-696.63	4,984.45	5,886.86	5,838.48	48.38	121.674		
8,200.00	6,961.45	5,065.90	4,998.34	50.19	21.08	-19.58	-696.63	4,984.45	5,980.33	5,931.73	48.60	123.063		
8,300.00	6,960.13	5,065.90	4,998.34	52.39	21.08	-19.58	-696.63	4,984.45	6,074.01	6,025.20	48.81	124.451		
8,400.00	6,958.82	5,065.90	4,998.34	54.65	21.08	-19.58	-696.63	4,984.45	6,167.89	6,118.87	49.01	125.839		
8,500.00	6,957.50	5,065.90	4,998.34	56.97	21.08	-19.58	-696.63	4,984.45	6,261.95	6,212.73	49.22	127.227		
8,600.00	6,956.19	5,065.90	4,998.34	59.33	21.08	-19.58	-696.63	4,984.45	6,356.20	6,306.78	49.42	128.615		
8,700.00	6,954.87	5,065.90	4,998.34	61.73	21.08	-19.58	-696.63	4,984.45	6,450.62	6,401.00	49.62	130.003		
8,800.00	6,953.56	5,065.90	4,998.34	64.16	21.08	-19.58	-696.63	4,984.45	6,545.21	6,495.39	49.81	131.391		
8,900.00	6,952.24	5,065.90	4,998.34	66.63	21.08	-19.58	-696.63	4,984.45	6,639.95	6,589.95	50.01	132.779		

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 13N-6B-M
<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 13N-6B-M	<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		
9,000.00	6,950.93	5,065.90	4,998.34	69.13	21.08	-19.58	-696.63	4,984.45	6,734.85	6,684.65	50.20	134.167		
9,100.00	6,949.61	5,065.90	4,998.34	71.65	21.08	-19.58	-696.63	4,984.45	6,829.90	6,779.51	50.38	135.555		
9,200.00	6,948.30	5,065.90	4,998.34	74.20	21.08	-19.58	-696.63	4,984.45	6,925.08	6,874.51	50.57	136.943		
9,300.00	6,946.98	5,065.90	4,998.34	76.77	21.08	-19.58	-696.63	4,984.45	7,020.40	6,969.64	50.75	138.330		
9,400.00	6,945.67	5,065.90	4,998.34	79.35	21.08	-19.58	-696.63	4,984.45	7,115.84	7,064.91	50.93	139.717		
9,500.00	6,944.35	5,065.90	4,998.34	81.95	21.08	-19.58	-696.63	4,984.45	7,211.41	7,160.30	51.11	141.104		
9,600.00	6,943.04	5,065.90	4,998.34	84.57	21.08	-19.58	-696.63	4,984.45	7,307.10	7,255.81	51.28	142.490		
9,700.00	6,941.73	5,065.90	4,998.34	87.21	21.08	-19.58	-696.63	4,984.45	7,402.90	7,351.44	51.45	143.875		
9,800.00	6,940.41	5,065.90	4,998.34	89.85	21.08	-19.58	-696.63	4,984.45	7,498.81	7,447.19	51.62	145.260		
9,900.00	6,939.10	5,065.90	4,998.34	92.51	21.08	-19.58	-696.63	4,984.45	7,594.83	7,543.03	51.79	146.644		
10,000.00	6,937.78	5,065.90	4,998.34	95.17	21.08	-19.58	-696.63	4,984.45	7,690.94	7,638.99	51.96	148.027		
10,100.00	6,936.47	5,065.90	4,998.34	97.85	21.08	-19.58	-696.63	4,984.45	7,787.16	7,735.04	52.12	149.409		
10,200.00	6,935.15	5,065.90	4,998.34	100.54	21.08	-19.58	-696.63	4,984.45	7,883.47	7,831.19	52.28	150.791		
10,300.00	6,933.84	5,065.90	4,998.34	103.23	21.08	-19.58	-696.63	4,984.45	7,979.87	7,927.43	52.44	152.171		
10,400.00	6,932.52	5,065.90	4,998.34	105.93	21.08	-19.58	-696.63	4,984.45	8,076.36	8,023.76	52.60	153.549		
10,500.00	6,931.21	5,065.90	4,998.34	108.64	21.08	-19.58	-696.63	4,984.45	8,172.93	8,120.18	52.75	154.927		
10,600.00	6,929.89	5,065.90	4,998.34	111.36	21.08	-19.58	-696.63	4,984.45	8,269.58	8,216.68	52.91	156.303		
10,700.00	6,928.58	5,065.90	4,998.34	114.08	21.08	-19.58	-696.63	4,984.45	8,366.32	8,313.26	53.06	157.677		
10,800.00	6,927.26	5,065.90	4,998.34	116.81	21.08	-19.58	-696.63	4,984.45	8,463.13	8,409.92	53.21	159.050		
10,900.00	6,925.95	5,065.90	4,998.34	119.54	21.08	-19.58	-696.63	4,984.45	8,560.01	8,506.65	53.36	160.422		
11,000.00	6,924.64	5,065.90	4,998.34	122.28	21.08	-19.58	-696.63	4,984.45	8,656.96	8,603.45	53.51	161.791		
11,100.00	6,923.32	5,065.90	4,998.34	125.02	21.08	-19.58	-696.63	4,984.45	8,753.98	8,700.33	53.65	163.159		
11,200.00	6,922.01	5,065.90	4,998.34	127.77	21.08	-19.58	-696.63	4,984.45	8,851.07	8,797.27	53.80	164.524		
11,300.00	6,920.69	5,065.90	4,998.34	130.52	21.08	-19.58	-696.63	4,984.45	8,948.22	8,894.28	53.94	165.888		
11,400.00	6,919.38	5,065.90	4,998.34	133.28	21.08	-19.58	-696.63	4,984.45	9,045.44	8,991.35	54.08	167.250		
11,500.00	6,918.06	5,065.90	4,998.34	136.04	21.08	-19.58	-696.63	4,984.45	9,142.71	9,088.49	54.22	168.609		
11,600.00	6,916.75	5,065.90	4,998.34	138.80	21.08	-19.58	-696.63	4,984.45	9,240.04	9,185.68	54.36	169.966		
11,700.00	6,915.43	5,065.90	4,998.34	141.56	21.08	-19.58	-696.63	4,984.45	9,337.43	9,282.93	54.50	171.321		
11,800.00	6,914.12	5,065.90	4,998.34	144.33	21.08	-19.58	-696.63	4,984.45	9,434.88	9,380.24	54.64	172.673		
11,900.00	6,912.80	5,065.90	4,998.34	147.10	21.08	-19.58	-696.63	4,984.45	9,532.37	9,477.60	54.78	174.023		
12,000.00	6,911.49	5,065.90	4,998.34	149.88	21.08	-19.58	-696.63	4,984.45	9,629.92	9,575.01	54.91	175.371		
12,100.00	6,910.17	5,065.90	4,998.34	152.65	21.08	-19.58	-696.63	4,984.45	9,727.52	9,672.47	55.05	176.715		
12,200.00	6,908.86	5,065.90	4,998.34	155.43	21.08	-19.58	-696.63	4,984.45	9,825.16	9,769.98	55.18	178.058		
12,300.00	6,907.54	5,065.90	4,998.34	158.21	21.08	-19.58	-696.63	4,984.45	9,922.86	9,867.54	55.31	179.397		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	96.45	-632.15	5,593.25	5,629.08					
100.00	100.00	54.33	54.33	3.28	3.28	96.45	-632.25	5,593.21	5,628.84	5,622.27	6.57	857.166		
200.00	200.00	153.75	153.75	3.34	3.31	96.46	-632.86	5,593.04	5,628.73	5,622.08	6.65	846.770		
300.00	299.98	261.56	261.56	3.44	3.40	-2.54	-633.61	5,592.87	5,626.92	5,620.07	6.85	821.940		
400.00	399.84	385.45	385.44	3.60	3.58	-2.54	-634.24	5,592.28	5,621.27	5,614.09	7.18	782.801		
500.00	499.45	486.35	486.34	3.80	3.78	-2.55	-634.43	5,591.58	5,611.90	5,604.32	7.58	740.432		
584.50	583.35	1,947.07	1,927.76	4.01	11.40	-3.32	-553.61	5,416.54	5,595.57	5,582.19	13.37	418.398		
600.00	598.71	1,996.11	1,974.98	4.05	11.85	-3.38	-547.42	5,404.81	5,589.69	5,576.03	13.66	409.070		
700.00	697.81	2,233.72	2,202.34	4.33	14.34	-3.70	-515.02	5,343.87	5,549.66	5,534.49	15.17	365.790		
800.00	796.91	2,308.88	2,274.02	4.64	15.18	-3.81	-504.26	5,324.02	5,509.23	5,493.40	15.84	347.888		
900.00	896.01	2,402.01	2,362.86	4.98	16.22	-3.94	-490.80	5,299.53	5,468.93	5,452.29	16.64	328.662		
1,000.00	995.11	2,525.16	2,480.14	5.34	17.64	-4.13	-472.49	5,266.74	5,428.28	5,410.62	17.66	307.408		
1,100.00	1,094.21	1,100.00	2,719.83	5.71	5.92	-4.58	-430.72	5,195.86	5,386.46	5,376.79	9.67	557.002		
1,200.00	1,193.31	2,838.45	2,776.07	6.10	21.70	-4.69	-420.45	5,178.17	5,343.00	5,322.69	20.31	263.099		
1,300.00	1,292.41	2,869.81	2,805.70	6.49	22.12	-4.75	-415.38	5,169.22	5,300.52	5,279.64	20.88	253.904		
1,400.00	1,391.51	2,904.54	2,838.67	6.90	22.58	-4.81	-410.10	5,159.64	5,259.05	5,237.57	21.48	244.822		
1,500.00	1,490.61	2,996.86	2,926.49	7.31	23.69	-4.96	-396.80	5,134.50	5,218.05	5,195.63	22.42	232.762		
1,600.00	1,589.71	3,100.00	3,024.44	7.73	24.98	-5.12	-382.25	5,105.63	5,176.34	5,152.91	23.43	220.936		
1,700.00	1,688.81	3,155.51	3,077.18	8.16	25.64	-5.21	-374.42	5,090.21	5,135.12	5,110.94	24.18	212.403		
1,800.00	1,787.92	3,200.00	3,119.67	8.59	26.17	-5.29	-368.50	5,078.57	5,095.13	5,070.25	24.87	204.845		
1,900.00	1,887.02	3,256.26	3,173.56	9.02	26.76	-5.37	-360.74	5,064.25	5,055.92	5,030.30	25.62	197.312		
2,000.00	1,986.12	3,327.42	3,241.86	9.46	27.50	-5.48	-352.26	5,046.14	5,017.00	4,990.55	26.45	189.682		
2,100.00	2,085.22	3,383.00	3,295.33	9.90	28.06	-5.55	-346.11	5,032.31	4,978.68	4,951.49	27.19	183.099		
2,200.00	2,184.32	3,447.93	3,357.95	10.34	28.68	-5.63	-339.31	5,016.54	4,941.00	4,913.02	27.97	176.636		
2,300.00	2,283.42	3,516.22	3,423.91	10.78	29.32	-5.72	-332.50	5,000.24	4,903.77	4,875.00	28.77	170.444		
2,400.00	2,382.52	3,582.04	3,487.57	11.23	29.91	-5.80	-325.79	4,984.88	4,867.06	4,837.49	29.56	164.643		
2,500.00	2,481.62	4,076.85	3,959.13	11.68	35.82	-6.63	-262.04	4,850.55	4,825.29	4,792.65	32.64	147.822		
2,600.00	2,580.72	4,100.00	3,980.86	12.13	36.16	-6.68	-258.33	4,843.47	4,781.77	4,748.45	33.33	143.488		
2,700.00	2,679.82	4,161.74	4,039.07	12.58	37.00	-6.80	-249.05	4,825.11	4,738.91	4,704.70	34.22	138.491		
2,800.00	2,778.92	4,200.00	4,075.40	13.03	37.52	-6.87	-243.95	4,814.25	4,697.28	4,662.29	34.99	134.264		
2,900.00	2,878.02	4,249.31	4,122.37	13.48	38.10	-6.96	-237.53	4,800.71	4,656.57	4,620.77	35.80	130.086		
3,000.00	2,977.12	3,000.00	4,229.03	13.94	22.80	-7.18	-221.85	4,770.39	4,616.24	4,588.32	27.92	165.343		
3,100.00	3,076.22	3,100.00	4,539.96	14.39	18.12	-7.95	-169.31	4,671.87	4,573.22	4,546.43	26.79	170.685		
3,200.00	3,175.32	4,739.77	4,584.79	14.85	44.97	-8.06	-161.76	4,656.43	4,528.19	4,487.77	40.41	112.048		
3,300.00	3,274.43	4,800.00	4,641.34	15.30	45.91	-8.21	-152.16	4,638.05	4,484.42	4,443.02	41.40	108.331		
3,400.00	3,373.53	4,815.54	4,655.98	15.76	46.12	-8.25	-149.64	4,633.48	4,441.39	4,399.27	42.12	105.453		
3,500.00	3,472.63	4,869.37	4,706.73	16.22	46.86	-8.39	-140.73	4,617.92	4,399.40	4,356.32	43.07	102.135		
3,600.00	3,571.73	4,927.65	4,761.79	16.68	47.64	-8.54	-130.87	4,601.54	4,358.17	4,314.11	44.06	98.903		
3,700.00	3,670.83	4,991.73	4,822.44	17.14	48.47	-8.71	-120.12	4,583.89	4,317.57	4,272.48	45.10	95.744		
3,800.00	3,769.93	5,036.30	4,864.75	17.59	49.00	-8.83	-112.76	4,571.94	4,277.76	4,231.76	46.00	92.998		
3,900.00	3,869.03	5,100.00	4,925.50	18.05	49.75	-9.00	-102.54	4,555.74	4,239.15	4,192.14	47.01	90.171		
4,000.00	3,968.13	5,131.27	4,955.44	18.51	50.06	-9.08	-97.79	4,548.09	4,201.36	4,153.54	47.82	87.862		
4,100.00	4,067.23	5,200.00	5,021.52	18.98	50.76	-9.23	-88.68	4,531.55	4,164.40	4,115.60	48.80	85.329		
4,200.00	4,166.33	5,200.00	5,021.52	19.44	50.76	-9.23	-88.68	4,531.55	4,128.72	4,079.27	49.45	83.489		
4,300.00	4,265.43	5,251.42	5,071.32	19.90	51.16	-9.33	-82.91	4,520.09	4,094.05	4,043.75	50.29	81.402		
4,400.00	4,364.53	5,300.00	5,118.73	20.36	51.54	-9.42	-78.13	4,510.68	4,061.38	4,010.26	51.12	79.445		
4,500.00	4,463.63	5,313.36	5,131.82	20.82	51.62	-9.44	-76.92	4,508.30	4,029.88	3,978.09	51.79	77.807		
4,600.00	4,562.73	5,374.16	5,191.48	21.28	51.97	-9.54	-71.91	4,497.74	3,999.63	3,947.02	52.61	76.021		
4,700.00	4,661.83	5,400.00	5,216.89	21.75	52.12	-9.58	-70.01	4,493.41	3,970.46	3,917.15	53.31	74.477		
4,800.00	4,760.93	5,464.23	5,280.20	22.21	52.42	-9.66	-65.83	4,483.43	3,942.25	3,888.15	54.10	72.866		
4,900.00	4,860.04	5,500.00	5,315.57	22.67	52.59	-9.70	-63.81	4,478.48	3,915.56	3,860.76	54.81	71.445		
5,000.00	4,959.14	5,540.78	5,355.98	23.13	52.73	-9.75	-61.73	4,473.43	3,890.30	3,834.81	55.50	70.100		

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 13N-6B-M
<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 13N-6B-M	<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 - SRC Northridge #4AD - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,058.24	5,600.00	5,414.83	23.60	52.94	-9.81	-59.02	4,467.36	3,866.75	3,810.52	56.23	68.763				
5,200.00	5,157.34	5,624.08	5,438.79	24.06	53.01	-9.84	-58.00	4,465.23	3,844.32	3,787.47	56.86	67.616				
5,300.00	5,256.44	5,688.29	5,502.72	24.52	53.19	-9.90	-55.20	4,459.95	3,823.07	3,765.48	57.58	66.391				
5,400.00	5,355.54	5,753.82	5,568.01	24.99	53.36	-9.97	-52.33	4,455.11	3,802.66	3,744.34	58.31	65.214				
5,500.00	5,454.64	5,819.38	5,633.37	25.45	53.53	-10.04	-49.60	4,450.83	3,783.08	3,724.05	59.03	64.086				
5,600.00	5,553.74	5,884.13	5,697.98	25.92	53.68	-10.10	-47.39	4,447.17	3,764.36	3,704.63	59.74	63.014				
5,700.00	5,652.84	5,954.19	5,767.94	26.38	53.84	-10.15	-45.69	4,443.81	3,746.48	3,686.03	60.45	61.978				
5,800.00	5,751.94	6,028.30	5,841.98	26.84	54.00	-10.19	-44.69	4,440.78	3,729.28	3,668.12	61.16	60.976				
5,900.00	5,851.04	6,107.20	5,920.83	27.31	54.17	-10.23	-44.10	4,438.03	3,712.67	3,650.79	61.88	60.000				
6,000.00	5,950.14	6,195.03	6,008.62	27.77	54.35	-10.27	-43.81	4,435.31	3,696.45	3,633.83	62.62	59.032				
6,100.00	6,049.24	6,286.00	6,099.55	28.24	54.54	-10.30	-43.98	4,432.74	3,680.48	3,617.12	63.36	58.085				
6,200.00	6,148.34	6,371.27	6,184.79	28.70	54.72	-10.33	-44.56	4,430.58	3,664.78	3,600.69	64.09	57.182				
6,304.69	6,252.09	6,481.25	6,294.74	29.19	54.96	-10.35	-45.64	4,428.01	3,648.56	3,583.65	64.91	56.210				
6,350.00	6,297.17	6,533.29	6,346.75	29.39	55.07	-22.44	-46.28	4,426.65	3,643.01	3,577.73	65.27	55.812				
6,400.00	6,347.13	6,590.86	6,404.30	29.59	55.19	-123.90	-47.02	4,425.03	3,640.51	3,574.85	65.66	55.446				
6,407.72	6,354.84	6,599.76	6,413.19	29.62	55.21	-138.39	-47.14	4,424.77	3,640.46	3,574.75	65.72	55.397	CC, ES			
6,450.00	6,397.02	6,640.30	6,453.71	29.78	55.30	-164.09	-47.71	4,423.58	3,641.88	3,575.87	66.00	55.177				
6,500.00	6,446.53	6,687.94	6,501.32	29.96	55.40	-170.70	-48.49	4,422.22	3,647.19	3,580.86	66.33	54.987				
6,550.00	6,495.35	6,741.48	6,554.84	30.14	55.52	-173.27	-49.43	4,420.68	3,656.37	3,589.72	66.66	54.852				
6,600.00	6,543.19	6,796.30	6,609.62	30.33	55.64	-174.63	-50.27	4,419.01	3,669.31	3,602.33	66.98	54.782				
6,650.00	6,589.76	6,850.99	6,664.27	30.52	55.76	-175.45	-51.07	4,417.23	3,685.90	3,618.61	67.29	54.776	SF			
6,700.00	6,634.75	6,904.18	6,717.42	30.71	55.88	-176.00	-51.88	4,415.40	3,706.04	3,638.46	67.58	54.839				
6,750.00	6,677.90	6,936.14	6,749.37	30.91	55.96	-176.37	-52.39	4,414.33	3,729.75	3,661.95	67.80	55.014				
6,800.00	6,718.94	6,967.93	6,781.13	31.13	56.03	-176.63	-52.95	4,413.35	3,756.96	3,688.96	68.00	55.253				
6,850.00	6,757.62	7,000.00	6,813.19	31.36	56.10	-176.82	-53.54	4,412.45	3,787.47	3,719.29	68.18	55.550				
6,900.00	6,793.70	7,049.58	6,862.74	31.61	56.21	-176.94	-54.48	4,411.03	3,820.98	3,752.58	68.40	55.859				
6,950.00	6,826.95	7,099.67	6,912.79	31.88	56.33	-177.02	-55.39	4,409.39	3,857.16	3,788.54	68.61	56.215				
7,000.00	6,857.18	7,000.00	6,983.04	32.19	56.09	-177.08	-56.52	4,406.24	3,895.36	3,827.04	68.31	57.022				
7,050.00	6,884.18	7,220.46	7,033.43	32.52	56.62	-177.08	-57.27	4,403.82	3,936.04	3,866.98	69.06	56.994				
7,100.00	6,907.81	7,234.33	7,047.29	32.90	56.65	-177.00	-57.42	4,403.14	3,978.86	3,909.72	69.14	57.549				
7,150.00	6,927.91	7,246.23	7,059.18	33.32	56.68	-176.84	-57.52	4,402.59	4,023.64	3,954.44	69.20	58.146				
7,200.00	6,944.36	7,256.09	7,069.03	33.77	56.71	-176.56	-57.59	4,402.16	4,070.06	4,000.82	69.25	58.777				
7,250.00	6,957.05	7,263.89	7,076.82	34.27	56.73	-176.07	-57.63	4,401.84	4,117.82	4,048.54	69.28	59.438				
7,300.00	6,965.92	7,269.61	7,082.54	34.80	56.74	-175.09	-57.66	4,401.60	4,166.61	4,097.31	69.30	60.122				
7,350.00	6,970.89	7,273.25	7,086.18	35.37	56.75	-172.52	-57.68	4,401.46	4,216.11	4,146.79	69.32	60.823				
7,396.89	6,972.00	7,274.79	7,087.71	35.93	56.75	-156.82	-57.68	4,401.40	4,262.90	4,193.57	69.33	61.491				
7,400.00	6,971.96	7,274.83	7,087.75	35.97	56.75	-156.83	-57.68	4,401.40	4,266.00	4,196.68	69.33	61.535				
7,500.00	6,970.65	7,276.15	7,089.07	37.28	56.76	-157.07	-57.69	4,401.35	4,365.96	4,296.63	69.34	62.969				
7,600.00	6,969.33	7,277.44	7,090.36	38.76	56.76	-157.31	-57.69	4,401.30	4,465.93	4,396.58	69.35	64.401				
7,700.00	6,968.02	7,278.71	7,091.63	40.39	56.76	-157.54	-57.70	4,401.25	4,565.89	4,496.53	69.36	65.831				
7,800.00	6,966.70	7,300.00	7,112.91	42.15	56.81	-160.80	-57.73	4,400.49	4,665.94	4,596.51	69.43	67.205				
7,900.00	6,965.39	7,300.00	7,112.91	44.02	56.81	-160.80	-57.73	4,400.49	4,765.89	4,696.46	69.44	68.636				
8,000.00	6,964.07	7,300.00	7,112.91	45.99	56.81	-160.80	-57.73	4,400.49	4,865.85	4,796.40	69.45	70.065				
8,100.00	6,962.76	7,300.00	7,112.91	48.05	56.81	-160.80	-57.73	4,400.49	4,965.81	4,896.35	69.46	71.492				
8,200.00	6,961.45	7,300.00	7,112.91	50.19	56.81	-160.80	-57.73	4,400.49	5,065.77	4,996.30	69.47	72.918				
8,300.00	6,960.13	7,300.00	7,112.91	52.39	56.81	-160.80	-57.73	4,400.49	5,165.73	5,096.24	69.49	74.342				
8,400.00	6,958.82	7,300.00	7,112.91	54.65	56.81	-160.80	-57.73	4,400.49	5,265.69	5,196.19	69.50	75.764				
8,500.00	6,957.50	7,300.00	7,112.91	56.97	56.81	-160.80	-57.73	4,400.49	5,365.65	5,296.14	69.52	77.185				
8,600.00	6,956.19	7,300.00	7,112.91	59.33	56.81	-160.80	-57.73	4,400.49	5,465.62	5,396.09	69.53	78.604				
8,700.00	6,954.87	7,300.00	7,112.91	61.73	56.81	-160.80	-57.73	4,400.49	5,565.59	5,496.03	69.55	80.020				
8,800.00	6,953.56	7,300.00	7,112.91	64.16	56.81	-160.80	-57.73	4,400.49	5,665.55	5,595.98	69.57	81.435				
8,900.00	6,952.24	7,300.00	7,112.91	66.63	56.81	-160.80	-57.73	4,400.49	5,765.52	5,695.93	69.59	82.848				

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	7,300.00	7,112.91	69.13	56.81	-160.80	-57.73	4,400.49	5,865.49	5,795.88	69.61	84.258		
9,100.00	6,949.61	7,300.00	7,112.91	71.65	56.81	-160.80	-57.73	4,400.49	5,965.46	5,895.83	69.64	85.666		
9,200.00	6,948.30	7,300.00	7,112.91	74.20	56.81	-160.80	-57.73	4,400.49	6,065.44	5,995.78	69.66	87.072		
9,300.00	6,946.98	7,300.00	7,112.91	76.77	56.81	-160.80	-57.73	4,400.49	6,165.41	6,095.72	69.68	88.476		
9,400.00	6,945.67	7,300.00	7,112.91	79.35	56.81	-160.80	-57.73	4,400.49	6,265.38	6,195.67	69.71	89.877		
9,500.00	6,944.35	7,300.00	7,112.91	81.95	56.81	-160.80	-57.73	4,400.49	6,365.36	6,295.62	69.74	91.276		
9,600.00	6,943.04	7,300.00	7,112.91	84.57	56.81	-160.80	-57.73	4,400.49	6,465.33	6,395.57	69.77	92.672		
9,700.00	6,941.73	7,300.00	7,112.91	87.21	56.81	-160.80	-57.73	4,400.49	6,565.31	6,495.51	69.79	94.066		
9,800.00	6,940.41	7,300.00	7,112.91	89.85	56.81	-160.80	-57.73	4,400.49	6,665.28	6,595.46	69.83	95.457		
9,900.00	6,939.10	7,300.00	7,112.91	92.51	56.81	-160.80	-57.73	4,400.49	6,765.26	6,695.40	69.86	96.845		
10,000.00	6,937.78	7,300.00	7,112.91	95.17	56.81	-160.80	-57.73	4,400.49	6,865.24	6,795.35	69.89	98.231		
10,100.00	6,936.47	7,300.00	7,112.91	97.85	56.81	-160.80	-57.73	4,400.49	6,965.22	6,895.30	69.92	99.613		
10,200.00	6,935.15	7,300.00	7,112.91	100.54	56.81	-160.80	-57.73	4,400.49	7,065.20	6,995.24	69.96	100.993		
10,300.00	6,933.84	7,300.00	7,112.91	103.23	56.81	-160.80	-57.73	4,400.49	7,165.18	7,095.18	69.99	102.370		
10,400.00	6,932.52	7,300.00	7,112.91	105.93	56.81	-160.80	-57.73	4,400.49	7,265.16	7,195.13	70.03	103.744		
10,500.00	6,931.21	7,300.00	7,112.91	108.64	56.81	-160.80	-57.73	4,400.49	7,365.14	7,295.07	70.07	105.115		
10,600.00	6,929.89	7,300.00	7,112.91	111.36	56.81	-160.80	-57.73	4,400.49	7,465.12	7,395.01	70.11	106.482		
10,700.00	6,928.58	7,300.00	7,112.91	114.08	56.81	-160.80	-57.73	4,400.49	7,565.10	7,494.96	70.15	107.847		
10,800.00	6,927.26	7,300.00	7,112.91	116.81	56.81	-160.80	-57.73	4,400.49	7,665.08	7,594.90	70.19	109.208		
10,900.00	6,925.95	7,300.00	7,112.91	119.54	56.81	-160.80	-57.73	4,400.49	7,765.07	7,694.84	70.23	110.566		
11,000.00	6,924.64	7,300.00	7,112.91	122.28	56.81	-160.80	-57.73	4,400.49	7,865.05	7,794.78	70.27	111.921		
11,100.00	6,923.32	7,315.59	7,128.49	125.02	56.85	-162.67	-57.73	4,399.98	7,965.01	7,894.65	70.36	113.206		
11,200.00	6,922.01	7,316.70	7,129.59	127.77	56.85	-162.79	-57.73	4,399.94	8,064.99	7,994.58	70.41	114.548		
11,300.00	6,920.69	7,317.79	7,130.69	130.52	56.86	-162.90	-57.73	4,399.91	8,164.97	8,094.51	70.46	115.887		
11,400.00	6,919.38	7,318.87	7,131.77	133.28	56.86	-163.02	-57.73	4,399.87	8,264.95	8,194.44	70.51	117.223		
11,500.00	6,918.06	7,319.94	7,132.84	136.04	56.86	-163.13	-57.73	4,399.84	8,364.93	8,294.37	70.56	118.555		
11,600.00	6,916.75	7,321.01	7,133.90	138.80	56.86	-163.24	-57.73	4,399.81	8,464.91	8,394.30	70.61	119.883		
11,700.00	6,915.43	7,322.06	7,134.95	141.56	56.87	-163.34	-57.73	4,399.77	8,564.89	8,494.23	70.66	121.208		
11,800.00	6,914.12	7,323.10	7,135.99	144.33	56.87	-163.45	-57.73	4,399.74	8,664.88	8,594.16	70.72	122.529		
11,900.00	6,912.80	7,324.13	7,137.02	147.10	56.87	-163.55	-57.73	4,399.71	8,764.86	8,694.09	70.77	123.846		
12,000.00	6,911.49	7,325.15	7,138.04	149.88	56.87	-163.65	-57.73	4,399.68	8,864.84	8,794.01	70.83	125.160		
12,100.00	6,910.17	7,326.15	7,139.05	152.65	56.88	-163.75	-57.73	4,399.65	8,964.82	8,893.94	70.89	126.469		
12,200.00	6,908.86	7,327.15	7,140.05	155.43	56.88	-163.84	-57.73	4,399.61	9,064.81	8,993.86	70.94	127.775		
12,300.00	6,907.54	7,328.14	7,141.04	158.21	56.88	-163.94	-57.73	4,399.58	9,164.79	9,093.79	71.00	129.077		
12,400.00	6,906.23	7,329.12	7,142.01	160.99	56.88	-164.03	-57.73	4,399.55	9,264.77	9,193.71	71.06	130.375		
12,500.00	6,904.92	7,330.10	7,142.99	163.78	56.89	-164.12	-57.73	4,399.52	9,364.75	9,293.63	71.12	131.669		
12,600.00	6,903.60	7,331.06	7,143.95	166.57	56.89	-164.21	-57.73	4,399.49	9,464.74	9,393.55	71.19	132.959		
12,700.00	6,902.29	7,332.01	7,144.90	169.35	56.89	-164.29	-57.73	4,399.46	9,564.72	9,493.47	71.25	134.245		
12,800.00	6,900.97	7,332.95	7,145.84	172.14	56.89	-164.38	-57.73	4,399.44	9,664.71	9,593.39	71.31	135.527		
12,900.00	6,899.66	7,333.89	7,146.77	174.94	56.89	-164.46	-57.73	4,399.41	9,764.69	9,693.31	71.38	136.805		
13,000.00	6,898.34	7,334.81	7,147.70	177.73	56.90	-164.54	-57.73	4,399.38	9,864.67	9,793.23	71.44	138.079		
13,100.00	6,897.03	7,335.73	7,148.62	180.53	56.90	-164.62	-57.73	4,399.35	9,964.66	9,893.15	71.51	139.349		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	1,278.27	1,256.62	3.28	9.99	97.82	-742.54	5,405.74	5,610.76					
100.00	100.00	1,436.28	1,406.94	3.28	11.88	98.15	-768.49	5,364.49	5,586.55	5,573.83	12.72	439.208		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	98.29	-779.55	5,347.90	5,562.68	5,549.41	13.28	418.942		
300.00	299.98	1,545.20	1,510.41	3.44	13.18	-0.61	-787.67	5,336.43	5,537.85	5,524.11	13.74	403.078		
400.00	399.84	1,604.40	1,566.82	3.60	13.86	-0.48	-798.06	5,321.78	5,510.37	5,495.99	14.38	383.183		
500.00	499.45	1,693.71	1,652.03	3.80	14.85	-0.28	-813.59	5,299.97	5,479.94	5,464.63	15.31	357.946		
584.50	583.35	584.50	1,809.94	4.01	3.64	0.10	-841.67	5,258.55	5,451.30	5,443.30	8.00	681.302		
600.00	598.71	1,923.86	1,871.33	4.05	17.48	0.24	-851.89	5,241.67	5,445.66	5,428.20	17.47	311.772		
700.00	697.81	1,976.90	1,921.87	4.33	18.10	0.36	-859.92	5,227.74	5,408.96	5,390.84	18.13	298.397		
800.00	796.91	2,048.30	1,990.02	4.64	18.92	0.52	-870.78	5,209.42	5,372.88	5,353.91	18.97	283.247		
900.00	896.01	2,125.88	2,064.04	4.98	19.80	0.69	-882.93	5,189.60	5,337.05	5,317.15	19.89	268.284		
1,000.00	995.11	2,191.85	2,127.02	5.34	20.54	0.85	-893.46	5,173.00	5,301.66	5,280.90	20.76	255.437		
1,100.00	1,094.21	2,248.49	2,181.10	5.71	21.15	0.98	-902.75	5,159.03	5,266.85	5,245.28	21.57	244.182		
1,200.00	1,193.31	2,315.31	2,244.93	6.10	21.88	1.15	-914.26	5,142.95	5,232.74	5,210.26	22.48	232.725		
1,300.00	1,292.41	1,300.00	2,408.64	6.49	11.34	1.53	-939.40	5,100.89	5,197.73	5,182.20	15.53	334.645		
1,400.00	1,391.51	2,555.80	2,475.35	6.90	24.41	1.68	-948.93	5,083.47	5,162.50	5,137.41	25.08	205.813		
1,500.00	1,490.61	1,500.00	2,676.43	7.31	11.89	2.18	-980.40	5,029.95	5,127.58	5,110.59	16.98	301.903		
1,600.00	1,589.71	2,949.32	2,850.20	7.73	29.09	2.63	-1,006.57	4,978.72	5,089.56	5,060.51	29.05	175.209		
1,700.00	1,688.81	3,103.80	2,996.00	8.16	31.22	3.03	-1,029.74	4,933.23	5,050.51	5,019.66	30.85	163.717		
1,800.00	1,787.92	3,200.00	3,086.62	8.59	32.61	3.28	-1,043.64	4,904.09	5,010.69	4,978.52	32.17	155.751		
1,900.00	1,887.02	3,263.72	3,146.81	9.02	33.48	3.44	-1,052.17	4,885.02	4,971.22	4,938.04	33.18	149.813		
2,000.00	1,986.12	3,357.76	3,235.93	9.46	34.77	3.68	-1,064.63	4,857.70	4,932.54	4,898.08	34.46	143.122		
2,100.00	2,085.22	3,436.81	3,310.41	9.90	35.86	3.90	-1,076.55	4,834.03	4,893.43	4,857.77	35.66	137.228		
2,200.00	2,184.32	3,500.00	3,370.18	10.34	36.73	4.08	-1,085.92	4,815.80	4,855.23	4,818.50	36.74	132.153		
2,300.00	2,283.42	3,600.00	3,465.20	10.78	38.01	4.33	-1,098.15	4,787.16	4,816.96	4,778.94	38.02	126.691		
2,400.00	2,382.52	4,128.01	3,957.78	11.23	46.98	5.82	-1,164.98	4,611.43	4,773.94	4,730.65	43.29	110.269		
2,500.00	2,481.62	4,197.94	4,021.45	11.68	48.54	6.07	-1,176.33	4,584.82	4,727.88	4,683.11	44.77	105.609		
2,600.00	2,580.72	4,232.22	4,052.78	12.13	49.23	6.20	-1,181.76	4,572.02	4,682.54	4,636.75	45.79	102.268		
2,700.00	2,679.82	4,265.96	4,083.82	12.58	49.91	6.32	-1,186.89	4,559.83	4,638.28	4,591.48	46.81	99.094		
2,800.00	2,778.92	4,301.08	4,116.34	13.03	50.61	6.44	-1,192.01	4,547.57	4,595.13	4,547.29	47.85	96.035		
2,900.00	2,878.02	4,424.34	4,230.65	13.48	52.88	6.85	-1,209.16	4,504.77	4,552.10	4,502.36	49.73	91.528		
3,000.00	2,977.12	4,500.83	4,301.31	13.94	54.34	7.12	-1,220.77	4,477.90	4,509.08	4,457.85	51.22	88.032		
3,100.00	3,076.22	4,541.01	4,338.41	14.39	55.08	7.28	-1,227.37	4,463.94	4,466.74	4,414.38	52.36	85.302		
3,200.00	3,175.32	4,600.00	4,393.03	14.85	56.18	7.51	-1,237.47	4,444.09	4,425.54	4,371.81	53.73	82.369		
3,300.00	3,274.43	4,625.93	4,417.09	15.30	56.62	7.61	-1,242.04	4,435.60	4,385.23	4,330.51	54.72	80.136		
3,400.00	3,373.53	4,672.43	4,460.34	15.76	57.41	7.80	-1,250.41	4,420.67	4,346.00	4,290.05	55.95	77.677		
3,500.00	3,472.63	4,719.08	4,503.83	16.22	58.16	7.98	-1,258.93	4,406.11	4,307.78	4,250.62	57.16	75.359		
3,600.00	3,571.73	4,766.13	4,547.97	16.68	58.86	8.17	-1,267.06	4,391.98	4,270.58	4,212.24	58.35	73.192		
3,700.00	3,670.83	4,817.89	4,596.86	17.14	59.59	8.36	-1,275.28	4,377.14	4,234.40	4,174.86	59.54	71.116		
3,800.00	3,769.93	4,880.13	4,656.07	17.59	60.35	8.57	-1,283.95	4,360.04	4,199.04	4,138.29	60.75	69.125		
3,900.00	3,869.03	4,900.00	4,675.06	18.05	60.60	8.63	-1,286.43	4,354.75	4,164.72	4,103.10	61.62	67.591		
4,000.00	3,968.13	4,960.91	4,733.64	18.51	61.18	8.81	-1,293.23	4,339.50	4,131.33	4,068.66	62.67	65.918		
4,100.00	4,067.23	5,000.00	4,771.52	18.98	61.55	8.92	-1,296.98	4,330.63	4,099.47	4,035.87	63.60	64.458		
4,200.00	4,166.33	5,087.01	4,856.09	19.44	62.23	9.14	-1,304.78	4,311.68	4,068.39	4,003.70	64.69	62.886		
4,300.00	4,265.43	5,141.24	4,908.86	19.90	62.62	9.27	-1,309.47	4,300.14	4,037.80	3,972.18	65.62	61.532		
4,400.00	4,364.53	5,200.00	4,966.29	20.36	63.03	9.41	-1,314.04	4,288.56	4,008.35	3,941.80	66.55	60.229		
4,500.00	4,463.63	5,231.95	4,997.62	20.82	63.20	9.48	-1,316.29	4,282.75	3,980.05	3,912.72	67.33	59.109		
4,600.00	4,562.73	5,272.81	5,037.82	21.28	63.41	9.56	-1,318.93	4,275.90	3,953.12	3,884.99	68.13	58.021		
4,700.00	4,661.83	5,300.00	5,064.64	21.75	63.56	9.62	-1,320.54	4,271.71	3,927.61	3,858.74	68.87	57.026		
4,800.00	4,760.93	5,360.67	5,124.64	22.21	63.79	9.72	-1,323.74	4,263.34	3,903.27	3,833.62	69.66	56.034		
4,900.00	4,860.04	5,400.00	5,163.64	22.67	63.93	9.78	-1,325.55	4,258.59	3,880.31	3,809.93	70.38	55.134		
5,000.00	4,959.14	5,463.26	5,226.49	23.13	64.11	9.88	-1,328.03	4,251.86	3,858.46	3,787.35	71.11	54.258		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,520.26	5,283.22	23.60	64.27	9.95	-1,329.87	4,246.63	3,837.70	3,765.88	71.82	53.436		
5,200.00	5,157.34	5,579.63	5,342.38	24.06	64.40	10.02	-1,331.54	4,241.89	3,817.94	3,745.43	72.51	52.656		
5,300.00	5,256.44	5,639.07	5,401.66	24.52	64.53	10.08	-1,333.03	4,237.83	3,799.18	3,726.00	73.18	51.916		
5,400.00	5,355.54	5,700.00	5,462.47	24.99	64.65	10.14	-1,334.44	4,234.37	3,781.43	3,707.58	73.84	51.209		
5,500.00	5,454.64	5,752.98	5,515.39	25.45	64.75	10.18	-1,335.41	4,232.07	3,764.76	3,690.29	74.47	50.554		
5,600.00	5,553.74	5,811.25	5,573.64	25.92	64.85	10.22	-1,336.04	4,230.42	3,749.25	3,674.16	75.09	49.928		
5,700.00	5,652.84	5,893.94	5,656.31	26.38	64.98	10.27	-1,336.55	4,228.80	3,734.45	3,658.70	75.75	49.303		
5,800.00	5,751.94	5,970.88	5,733.24	26.84	65.11	10.31	-1,336.86	4,227.76	3,720.14	3,643.76	76.38	48.704		
5,900.00	5,851.04	6,058.93	5,821.28	27.31	65.25	10.35	-1,337.18	4,227.06	3,706.35	3,629.31	77.04	48.110		
6,000.00	5,950.14	6,150.14	5,912.49	27.77	65.40	10.39	-1,337.50	4,226.50	3,692.72	3,615.02	77.70	47.524		
6,100.00	6,049.24	6,238.63	6,000.99	28.24	65.54	10.43	-1,337.86	4,226.20	3,679.37	3,601.01	78.36	46.954		
6,200.00	6,148.34	6,331.84	6,094.19	28.70	65.70	10.47	-1,338.28	4,226.12	3,666.28	3,587.25	79.03	46.391		
6,304.69	6,252.09	6,436.99	6,199.35	29.19	65.88	10.52	-1,338.74	4,226.04	3,652.57	3,572.83	79.75	45.802		
6,350.00	6,297.17	6,480.68	6,243.04	29.39	65.95	-1.69	-1,338.88	4,226.04	3,648.14	3,568.10	80.05	45.576		
6,393.57	6,340.70	6,520.44	6,282.79	29.57	66.02	-85.42	-1,338.97	4,226.07	3,646.73	3,566.42	80.30	45.412 CC		
6,400.00	6,347.13	6,526.00	6,288.35	29.59	66.03	-103.19	-1,338.98	4,226.08	3,646.76	3,566.42	80.34	45.391 ES		
6,450.00	6,397.02	6,569.19	6,331.54	29.78	66.10	-143.32	-1,339.06	4,226.20	3,649.11	3,568.51	80.60	45.274		
6,500.00	6,446.53	6,614.11	6,376.46	29.96	66.18	-149.78	-1,339.13	4,226.42	3,655.19	3,574.35	80.84	45.217		
6,550.00	6,495.35	6,663.67	6,426.02	30.14	66.27	-152.10	-1,339.21	4,226.67	3,664.89	3,583.83	81.06	45.213 SF		
6,600.00	6,543.19	6,713.31	6,475.66	30.33	66.36	-153.10	-1,339.32	4,226.91	3,678.13	3,596.87	81.26	45.265		
6,650.00	6,589.76	6,764.77	6,527.11	30.52	66.45	-153.46	-1,339.37	4,227.11	3,694.80	3,613.36	81.44	45.370		
6,700.00	6,634.75	6,814.51	6,576.86	30.71	66.54	-153.41	-1,339.35	4,227.26	3,714.79	3,633.20	81.59	45.531		
6,750.00	6,677.90	6,844.42	6,606.76	30.91	66.59	-152.97	-1,339.40	4,227.40	3,738.13	3,656.46	81.68	45.768		
6,800.00	6,718.94	6,876.72	6,639.06	31.13	66.65	-152.23	-1,339.51	4,227.59	3,764.70	3,682.95	81.75	46.053		
6,850.00	6,757.62	6,900.00	6,662.35	31.36	66.69	-151.14	-1,339.64	4,227.77	3,794.32	3,712.55	81.78	46.399		
6,900.00	6,793.70	6,900.00	6,662.35	31.61	66.69	-149.52	-1,339.64	4,227.77	3,827.01	3,745.28	81.73	46.826		
6,950.00	6,826.95	6,900.00	6,662.35	31.88	66.69	-147.41	-1,339.64	4,227.77	3,862.56	3,780.90	81.66	47.301		
7,000.00	6,857.18	6,900.00	6,662.35	32.19	66.69	-144.70	-1,339.64	4,227.77	3,900.69	3,819.12	81.57	47.818		
7,050.00	6,884.18	6,900.00	6,662.35	32.52	66.69	-141.23	-1,339.64	4,227.77	3,941.09	3,859.61	81.48	48.369		
7,100.00	6,907.81	6,900.00	6,662.35	32.90	66.69	-136.75	-1,339.64	4,227.77	3,983.44	3,902.06	81.38	48.950		
7,150.00	6,927.91	6,900.00	6,662.35	33.32	66.69	-130.97	-1,339.64	4,227.77	4,027.42	3,946.15	81.27	49.554		
7,200.00	6,944.36	6,900.00	6,662.35	33.77	66.69	-123.50	-1,339.64	4,227.77	4,072.72	3,991.55	81.17	50.174		
7,250.00	6,957.05	6,900.00	6,662.35	34.27	66.69	-114.01	-1,339.64	4,227.77	4,119.02	4,037.94	81.08	50.804		
7,300.00	6,965.92	6,900.00	6,662.35	34.80	66.69	-102.41	-1,339.64	4,227.77	4,166.00	4,085.01	80.99	51.439		
7,350.00	6,970.89	6,900.00	6,662.35	35.37	66.69	-89.27	-1,339.64	4,227.77	4,213.36	4,132.45	80.91	52.072		
7,396.89	6,972.00	6,900.00	6,662.35	35.93	66.69	-76.69	-1,339.64	4,227.77	4,257.85	4,177.00	80.85	52.660		
7,400.00	6,971.96	6,900.00	6,662.35	35.97	66.69	-76.69	-1,339.64	4,227.77	4,260.80	4,179.94	80.85	52.699		
7,500.00	6,970.65	6,900.00	6,662.35	37.28	66.69	-76.69	-1,339.64	4,227.77	4,355.70	4,274.94	80.75	53.939		
7,600.00	6,969.33	6,900.00	6,662.35	38.76	66.69	-76.69	-1,339.64	4,227.77	4,450.82	4,370.14	80.68	55.170		
7,700.00	6,968.02	6,900.00	6,662.35	40.39	66.69	-76.69	-1,339.64	4,227.77	4,546.15	4,465.53	80.62	56.392		
7,800.00	6,966.70	6,900.00	6,662.35	42.15	66.69	-76.69	-1,339.64	4,227.77	4,641.68	4,561.10	80.58	57.606		
7,900.00	6,965.39	6,900.00	6,662.35	44.02	66.69	-76.69	-1,339.64	4,227.77	4,737.39	4,656.84	80.55	58.813		
8,000.00	6,964.07	6,900.00	6,662.35	45.99	66.69	-76.69	-1,339.64	4,227.77	4,833.28	4,752.74	80.54	60.014		
8,100.00	6,962.76	6,900.00	6,662.35	48.05	66.69	-76.69	-1,339.64	4,227.77	4,929.33	4,848.80	80.53	61.208		
8,200.00	6,961.45	6,900.00	6,662.35	50.19	66.69	-76.69	-1,339.64	4,227.77	5,025.53	4,944.99	80.54	62.395		
8,300.00	6,960.13	6,900.00	6,662.35	52.39	66.69	-76.69	-1,339.64	4,227.77	5,121.88	5,041.32	80.56	63.578		
8,400.00	6,958.82	6,900.00	6,662.35	54.65	66.69	-76.69	-1,339.64	4,227.77	5,218.37	5,137.78	80.59	64.754		
8,500.00	6,957.50	6,900.00	6,662.35	56.97	66.69	-76.69	-1,339.64	4,227.77	5,314.99	5,234.37	80.62	65.926		
8,600.00	6,956.19	6,900.00	6,662.35	59.33	66.69	-76.69	-1,339.64	4,227.77	5,411.73	5,331.07	80.66	67.093		
8,700.00	6,954.87	6,900.00	6,662.35	61.73	66.69	-76.69	-1,339.64	4,227.77	5,508.58	5,427.88	80.70	68.256		
8,800.00	6,953.56	6,900.00	6,662.35	64.16	66.69	-76.69	-1,339.64	4,227.77	5,605.55	5,524.80	80.75	69.415		
8,900.00	6,952.24	6,900.00	6,662.35	66.63	66.69	-76.69	-1,339.64	4,227.77	5,702.62	5,621.81	80.81	70.569		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,900.00	6,662.35	69.13	66.69	-76.69	-1,339.64	4,227.77	5,799.79	5,718.93	80.87	71.720		
9,100.00	6,949.61	6,900.00	6,662.35	71.65	66.69	-76.69	-1,339.64	4,227.77	5,897.06	5,816.13	80.93	72.867		
9,200.00	6,948.30	6,900.00	6,662.35	74.20	66.69	-76.69	-1,339.64	4,227.77	5,994.42	5,913.42	80.99	74.011		
9,300.00	6,946.98	6,900.00	6,662.35	76.77	66.69	-76.69	-1,339.64	4,227.77	6,091.86	6,010.80	81.06	75.151		
9,400.00	6,945.67	6,900.00	6,662.35	79.35	66.69	-76.69	-1,339.64	4,227.77	6,189.38	6,108.25	81.13	76.288		
9,500.00	6,944.35	6,900.00	6,662.35	81.95	66.69	-76.69	-1,339.64	4,227.77	6,286.98	6,205.78	81.20	77.423		
9,600.00	6,943.04	6,900.00	6,662.35	84.57	66.69	-76.69	-1,339.64	4,227.77	6,384.66	6,303.38	81.28	78.554		
9,700.00	6,941.73	6,900.00	6,662.35	87.21	66.69	-76.69	-1,339.64	4,227.77	6,482.40	6,401.05	81.35	79.682		
9,800.00	6,940.41	6,900.00	6,662.35	89.85	66.69	-76.69	-1,339.64	4,227.77	6,580.22	6,498.78	81.43	80.808		
9,900.00	6,939.10	6,900.00	6,662.35	92.51	66.69	-76.69	-1,339.64	4,227.77	6,678.09	6,596.58	81.51	81.931		
10,000.00	6,937.78	6,900.00	6,662.35	95.17	66.69	-76.69	-1,339.64	4,227.77	6,776.03	6,694.45	81.59	83.051		
10,100.00	6,936.47	6,900.00	6,662.35	97.85	66.69	-76.69	-1,339.64	4,227.77	6,874.03	6,792.36	81.67	84.169		
10,200.00	6,935.15	6,900.00	6,662.35	100.54	66.69	-76.69	-1,339.64	4,227.77	6,972.09	6,890.34	81.75	85.285		
10,300.00	6,933.84	6,900.00	6,662.35	103.23	66.69	-76.69	-1,339.64	4,227.77	7,070.20	6,988.37	81.83	86.398		
10,400.00	6,932.52	6,900.00	6,662.35	105.93	66.69	-76.69	-1,339.64	4,227.77	7,168.36	7,086.45	81.92	87.509		
10,500.00	6,931.21	6,900.00	6,662.35	108.64	66.69	-76.69	-1,339.64	4,227.77	7,266.58	7,184.58	82.00	88.617		
10,600.00	6,929.89	6,900.00	6,662.35	111.36	66.69	-76.69	-1,339.64	4,227.77	7,364.84	7,282.75	82.08	89.723		
10,700.00	6,928.58	6,900.00	6,662.35	114.08	66.69	-76.69	-1,339.64	4,227.77	7,463.15	7,380.98	82.17	90.827		
10,800.00	6,927.26	6,900.00	6,662.35	116.81	66.69	-76.69	-1,339.64	4,227.77	7,561.50	7,479.24	82.25	91.928		
10,900.00	6,925.95	6,900.00	6,662.35	119.54	66.69	-76.69	-1,339.64	4,227.77	7,659.89	7,577.55	82.34	93.027		
11,000.00	6,924.64	6,900.00	6,662.35	122.28	66.69	-76.69	-1,339.64	4,227.77	7,758.33	7,675.90	82.43	94.125		
11,100.00	6,923.32	6,900.00	6,662.35	125.02	66.69	-76.69	-1,339.64	4,227.77	7,856.80	7,774.29	82.51	95.220		
11,200.00	6,922.01	6,900.00	6,662.35	127.77	66.69	-76.69	-1,339.64	4,227.77	7,955.32	7,872.72	82.60	96.312		
11,300.00	6,920.69	6,900.00	6,662.35	130.52	66.69	-76.69	-1,339.64	4,227.77	8,053.87	7,971.18	82.69	97.403		
11,400.00	6,919.38	6,900.00	6,662.35	133.28	66.69	-76.69	-1,339.64	4,227.77	8,152.45	8,069.68	82.77	98.492		
11,500.00	6,918.06	6,900.00	6,662.35	136.04	66.69	-76.69	-1,339.64	4,227.77	8,251.07	8,168.21	82.86	99.578		
11,600.00	6,916.75	6,900.00	6,662.35	138.80	66.69	-76.69	-1,339.64	4,227.77	8,349.72	8,266.77	82.95	100.662		
11,700.00	6,915.43	6,900.00	6,662.35	141.56	66.69	-76.69	-1,339.64	4,227.77	8,448.41	8,365.37	83.04	101.745		
11,800.00	6,914.12	6,900.00	6,662.35	144.33	66.69	-76.69	-1,339.64	4,227.77	8,547.12	8,464.00	83.12	102.825		
11,900.00	6,912.80	6,900.00	6,662.35	147.10	66.69	-76.69	-1,339.64	4,227.77	8,645.86	8,562.65	83.21	103.903		
12,000.00	6,911.49	6,900.00	6,662.35	149.88	66.69	-76.69	-1,339.64	4,227.77	8,744.64	8,661.34	83.30	104.979		
12,100.00	6,910.17	6,900.00	6,662.35	152.65	66.69	-76.69	-1,339.64	4,227.77	8,843.44	8,760.05	83.39	106.053		
12,200.00	6,908.86	6,900.00	6,662.35	155.43	66.69	-76.69	-1,339.64	4,227.77	8,942.26	8,858.79	83.48	107.124		
12,300.00	6,907.54	6,900.00	6,662.35	158.21	66.69	-76.69	-1,339.64	4,227.77	9,041.12	8,957.55	83.56	108.194		
12,400.00	6,906.23	6,900.00	6,662.35	160.99	66.69	-76.69	-1,339.64	4,227.77	9,139.99	9,056.34	83.65	109.262		
12,500.00	6,904.92	6,900.00	6,662.35	163.78	66.69	-76.69	-1,339.64	4,227.77	9,238.90	9,155.15	83.74	110.327		
12,600.00	6,903.60	6,900.00	6,662.35	166.57	66.69	-76.69	-1,339.64	4,227.77	9,337.82	9,253.99	83.83	111.390		
12,700.00	6,902.29	6,900.00	6,662.35	169.35	66.69	-76.69	-1,339.64	4,227.77	9,436.77	9,352.85	83.92	112.452		
12,800.00	6,900.97	6,900.00	6,662.35	172.14	66.69	-76.69	-1,339.64	4,227.77	9,535.74	9,451.73	84.01	113.511		
12,900.00	6,899.66	6,900.00	6,662.35	174.94	66.69	-76.69	-1,339.64	4,227.77	9,634.73	9,550.63	84.10	114.568		
13,000.00	6,898.34	6,900.00	6,662.35	177.73	66.69	-76.69	-1,339.64	4,227.77	9,733.74	9,649.55	84.19	115.623		
13,100.00	6,897.03	6,900.00	6,662.35	180.53	66.69	-76.69	-1,339.64	4,227.77	9,832.77	9,748.50	84.27	116.676		
13,200.00	6,895.71	6,900.00	6,662.35	183.32	66.69	-76.69	-1,339.64	4,227.77	9,931.82	9,847.46	84.36	117.726		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	84.06	53.93	518.33	521.18					
100.00	100.00	100.32	100.32	3.28	3.29	84.08	53.68	517.65	520.48	513.90	6.57	79.184		
200.00	200.00	203.26	203.24	3.34	3.34	84.11	53.18	515.87	518.70	512.03	6.67	77.721		
300.00	299.98	302.20	302.16	3.44	3.44	-14.88	52.35	513.86	514.92	508.03	6.88	74.798		
400.00	399.84	400.22	400.16	3.60	3.59	-15.02	51.79	512.56	508.48	501.28	7.19	70.686		
500.00	499.45	503.24	503.17	3.80	3.80	-15.33	51.50	510.74	498.29	490.68	7.61	65.505		
584.50	583.35	590.25	590.15	4.01	4.01	-15.73	51.33	508.59	486.50	478.47	8.02	60.652		
600.00	598.71	606.19	606.08	4.05	4.05	-15.81	51.35	508.12	484.05	475.95	8.11	59.721		
700.00	697.81	703.74	703.59	4.33	4.32	-16.29	51.36	505.15	468.20	459.56	8.64	54.200		
800.00	796.91	804.54	804.34	4.64	4.62	-16.66	50.08	502.48	452.60	443.36	9.24	48.998		
900.00	896.01	899.93	899.68	4.98	4.93	-16.94	48.22	499.83	436.80	426.94	9.86	44.293		
1,000.00	995.11	995.96	995.68	5.34	5.25	-17.32	46.93	498.02	421.97	411.44	10.53	40.091		
1,100.00	1,094.21	1,097.43	1,097.13	5.71	5.61	-17.77	45.83	496.13	407.22	395.98	11.24	36.242		
1,200.00	1,193.31	1,203.46	1,203.09	6.10	6.00	-18.36	44.89	492.64	391.13	379.14	11.98	32.636		
1,300.00	1,292.41	1,291.65	1,291.22	6.49	6.33	-18.96	44.58	489.40	374.87	362.17	12.70	29.518		
1,400.00	1,391.51	1,384.61	1,384.16	6.90	6.66	-19.92	46.39	488.58	361.70	348.27	13.43	26.922		
1,500.00	1,490.61	1,479.75	1,479.22	7.31	7.01	-21.25	50.17	488.46	349.82	335.63	14.19	24.657		
1,600.00	1,589.71	1,580.84	1,580.12	7.73	7.38	-23.10	56.25	488.19	338.50	323.53	14.97	22.608		
1,700.00	1,688.81	1,677.09	1,676.08	8.16	7.74	-25.26	63.53	487.43	327.47	311.71	15.76	20.774		
1,800.00	1,787.92	1,766.76	1,765.22	8.59	8.09	-27.86	73.25	487.46	318.78	302.23	16.55	19.262		
1,900.00	1,887.02	1,866.97	1,864.68	9.02	8.47	-31.09	85.52	488.21	312.10	294.72	17.39	17.951		
2,000.00	1,986.12	1,964.87	1,961.62	9.46	8.88	-34.74	99.11	487.79	306.11	287.88	18.23	16.788		
2,100.00	2,085.22	2,064.32	2,059.89	9.90	9.31	-38.90	114.33	486.32	301.27	282.16	19.11	15.768		
2,200.00	2,184.32	2,162.68	2,157.11	10.34	9.74	-43.12	129.15	484.52	297.65	277.66	19.98	14.894		
2,300.00	2,283.42	2,263.06	2,256.39	10.78	10.19	-47.50	143.79	482.10	294.99	274.11	20.88	14.128		
2,400.00	2,382.52	2,362.75	2,355.02	11.23	10.64	-51.94	157.87	478.92	293.22	271.44	21.78	13.465		
2,500.00	2,481.62	2,461.76	2,453.00	11.68	11.10	-56.46	171.61	474.96	292.51	269.84	22.67	12.904		
2,500.12	2,481.74	2,461.88	2,453.11	11.68	11.10	-56.46	171.63	474.96	292.51	269.84	22.67	12.903 CC		
2,600.00	2,580.72	2,560.18	2,550.38	12.13	11.56	-61.01	185.23	470.52	293.33	269.78	23.56	12.453 ES		
2,700.00	2,679.82	2,659.33	2,648.48	12.58	12.02	-65.63	198.61	465.32	295.38	270.94	24.44	12.084		
2,800.00	2,778.92	2,757.49	2,745.59	13.03	12.49	-70.20	211.70	459.55	298.93	273.61	25.32	11.806		
2,900.00	2,878.02	2,855.67	2,842.72	13.48	12.96	-74.71	224.60	453.27	304.01	277.82	26.19	11.609		
3,000.00	2,977.12	2,953.31	2,939.31	13.94	13.43	-79.08	237.22	446.62	310.63	283.59	27.04	11.487		
3,100.00	3,076.22	3,051.87	3,036.82	14.39	13.91	-83.32	249.73	439.74	318.81	290.91	27.90	11.428		
3,200.00	3,175.32	3,145.28	3,129.31	14.85	14.36	-87.06	261.32	433.59	328.46	299.77	28.69	11.448		
3,300.00	3,274.43	3,239.70	3,222.73	15.30	14.82	-90.35	274.29	429.20	341.10	311.61	29.49	11.568		
3,400.00	3,373.53	3,338.77	3,320.76	15.76	15.31	-93.60	287.78	424.30	354.73	324.39	30.34	11.693		
3,500.00	3,472.63	3,436.97	3,417.99	16.22	15.80	-96.59	300.62	419.38	368.87	337.70	31.18	11.832		
3,600.00	3,571.73	3,536.18	3,516.23	16.68	16.28	-99.44	313.36	414.05	383.72	351.69	32.03	11.981		
3,700.00	3,670.83	3,635.17	3,614.34	17.14	16.77	-102.08	325.45	408.70	398.81	365.93	32.88	12.130		
3,800.00	3,769.93	3,730.67	3,708.98	17.59	17.24	-104.44	337.05	403.56	414.60	380.91	33.69	12.307		
3,900.00	3,869.03	3,834.19	3,811.59	18.05	17.75	-106.87	349.43	397.53	430.96	396.37	34.60	12.457		
4,000.00	3,968.13	3,946.37	3,923.06	18.51	18.28	-109.43	359.77	390.49	445.42	409.83	35.59	12.516		
4,100.00	4,067.23	4,067.69	4,044.03	18.98	18.82	-111.98	366.15	384.21	456.51	419.91	36.60	12.473		
4,200.00	4,166.33	4,181.72	4,157.96	19.44	19.29	-114.28	366.18	379.69	462.71	425.21	37.50	12.338		
4,300.00	4,265.43	4,282.61	4,258.78	19.90	19.69	-116.23	365.62	376.02	468.96	430.62	38.35	12.229		
4,400.00	4,364.53	4,385.39	4,361.52	20.36	20.09	-118.07	364.01	373.51	474.39	435.19	39.20	12.102		
4,500.00	4,463.63	4,482.72	4,458.80	20.82	20.47	-119.78	362.39	371.03	480.21	440.18	40.03	11.995		
4,600.00	4,562.73	4,581.91	4,557.98	21.28	20.85	-121.34	361.43	369.57	486.71	445.84	40.87	11.908		
4,700.00	4,661.83	4,679.67	4,655.72	21.75	21.23	-122.45	361.69	371.23	493.41	451.70	41.71	11.830		
4,800.00	4,760.93	4,775.94	4,751.98	22.21	21.61	-123.52	362.44	372.64	500.85	458.31	42.54	11.774		
4,900.00	4,860.04	4,872.85	4,848.87	22.67	22.00	-124.55	363.73	373.95	509.01	465.63	43.37	11.735		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	4,971.45	4,947.45	23.13	22.40	-125.58	365.24	375.00	517.64	473.42	44.22	11.705		
5,100.00	5,058.24	5,067.97	5,043.96	23.60	22.79	-126.58	366.79	375.72	526.66	481.60	45.07	11.686		
5,200.00	5,157.34	5,166.05	5,142.02	24.06	23.20	-127.59	368.64	376.03	536.29	490.37	45.92	11.679		
5,300.00	5,256.44	5,264.11	5,240.06	24.52	23.61	-128.58	370.52	376.10	546.22	499.44	46.78	11.677		
5,400.00	5,355.54	5,361.72	5,337.65	24.99	24.02	-129.57	372.43	375.83	556.53	508.90	47.63	11.684		
5,500.00	5,454.64	5,454.82	5,430.72	25.45	24.42	-130.50	374.61	375.06	567.62	519.16	48.46	11.714		
5,600.00	5,553.74	5,551.22	5,527.07	25.92	24.83	-131.44	377.46	373.74	579.67	530.37	49.30	11.757		
5,700.00	5,652.84	5,676.40	5,652.23	26.38	25.34	-132.59	378.78	373.70	589.51	539.20	50.31	11.717		
5,800.00	5,751.94	5,768.98	5,744.81	26.84	25.71	-133.42	378.71	374.41	598.18	547.05	51.13	11.700		
5,900.00	5,851.04	5,863.27	5,839.09	27.31	26.10	-134.24	379.35	374.62	607.92	555.96	51.96	11.700		
6,000.00	5,950.14	5,958.34	5,934.15	27.77	26.50	-135.05	380.44	374.28	618.50	565.70	52.80	11.714		
6,100.00	6,049.24	6,053.59	6,029.39	28.24	26.90	-135.87	381.84	373.38	629.82	576.18	53.64	11.741		
6,200.00	6,148.34	6,148.06	6,123.84	28.70	27.31	-136.66	383.66	372.05	641.91	587.44	54.48	11.783		
6,304.69	6,252.09	6,254.86	6,230.58	29.19	27.76	-137.55	385.94	369.87	655.30	599.89	55.41	11.826		
6,350.00	6,297.17	6,315.17	6,290.89	29.39	28.01	-150.26	386.28	369.29	659.32	603.43	55.89	11.796		
6,400.00	6,347.13	6,548.15	6,518.18	29.59	28.83	111.12	378.84	410.35	654.56	599.35	55.21	11.855		
6,450.00	6,397.02	6,599.78	6,565.92	29.78	28.98	73.66	376.20	429.84	640.42	584.86	55.56	11.527		
6,500.00	6,446.53	6,687.44	6,644.22	29.96	29.23	72.52	372.42	468.92	623.28	568.11	55.17	11.297		
6,550.00	6,495.35	6,734.58	6,684.15	30.14	29.35	74.69	370.72	493.91	603.49	547.88	55.61	10.852		
6,600.00	6,543.19	6,769.27	6,713.06	30.33	29.44	77.77	369.75	513.04	583.76	527.43	56.32	10.364		
6,650.00	6,589.76	6,799.40	6,737.87	30.52	29.52	81.28	369.09	530.13	564.96	507.84	57.12	9.891		
6,700.00	6,634.75	6,832.04	6,764.31	30.71	29.60	85.42	368.40	549.25	547.76	489.88	57.88	9.464		
6,750.00	6,677.90	6,856.92	6,784.09	30.91	29.66	88.93	367.77	564.33	533.03	474.29	58.74	9.074		
6,800.00	6,718.94	6,874.89	6,798.16	31.13	29.71	91.59	367.28	575.49	521.72	462.09	59.63	8.750		
6,850.00	6,757.62	6,886.76	6,807.37	31.36	29.74	93.31	366.92	582.98	514.60	454.16	60.45	8.513		
6,899.26	6,793.18	6,893.22	6,812.34	31.60	29.75	94.07	366.72	587.10	512.21	451.10	61.11	8.382		
6,900.00	6,793.70	6,893.28	6,812.39	31.61	29.75	94.08	366.72	587.14	512.21	451.09	61.12	8.381		
6,950.00	6,826.95	6,895.14	6,813.82	31.88	29.76	93.91	366.66	588.33	514.78	453.20	61.58	8.359 SF		
7,000.00	6,857.18	6,892.93	6,812.12	32.19	29.75	92.87	366.73	586.92	522.27	460.44	61.83	8.447		
7,050.00	6,884.18	6,887.17	6,807.69	32.52	29.74	91.02	366.91	583.24	534.39	472.52	61.87	8.637		
7,100.00	6,907.81	6,878.30	6,800.82	32.90	29.72	88.43	367.18	577.63	550.64	488.88	61.76	8.916		
7,150.00	6,927.91	6,866.72	6,791.79	33.32	29.69	85.20	367.51	570.39	570.41	508.87	61.54	9.269		
7,200.00	6,944.36	6,852.76	6,780.81	33.77	29.65	81.46	367.88	561.78	593.05	531.77	61.28	9.678		
7,250.00	6,957.05	6,836.70	6,768.05	34.27	29.61	77.34	368.29	552.05	617.89	556.88	61.02	10.127		
7,300.00	6,965.92	6,818.81	6,753.66	34.80	29.57	73.00	368.70	541.41	644.32	583.54	60.78	10.601		
7,350.00	6,970.89	6,798.00	6,736.73	35.37	29.52	68.48	369.12	529.32	671.78	611.21	60.57	11.092		
7,396.89	6,972.00	6,780.14	6,722.04	35.93	29.47	64.55	369.49	519.16	698.01	637.50	60.51	11.536		
7,400.00	6,971.96	6,778.83	6,720.96	35.97	29.47	64.46	369.52	518.42	699.76	639.26	60.50	11.566		
7,500.00	6,970.65	6,738.00	6,687.01	37.28	29.36	61.61	370.62	495.76	759.08	698.65	60.43	12.561		
7,600.00	6,969.33	6,703.00	6,657.51	38.76	29.27	59.28	371.82	476.97	823.64	763.12	60.52	13.608		
7,700.00	6,968.02	6,676.08	6,634.39	40.39	29.20	57.55	372.87	463.24	892.90	832.12	60.78	14.690		
7,800.00	6,966.70	6,654.37	6,615.32	42.15	29.14	56.17	373.77	452.90	966.36	905.26	61.10	15.816		
7,900.00	6,965.39	6,635.15	6,598.15	44.02	29.08	54.97	374.60	444.30	1,043.31	981.90	61.40	16.991		
8,000.00	6,964.07	6,607.00	6,572.56	45.99	29.01	53.25	375.86	432.66	1,123.31	1,061.79	61.52	18.259		
8,100.00	6,962.76	6,607.00	6,572.56	48.05	29.01	53.25	375.86	432.66	1,205.51	1,143.51	62.00	19.445		
8,200.00	6,961.45	6,575.90	6,543.90	50.19	28.91	51.43	377.37	420.67	1,289.59	1,227.57	62.02	20.793		
8,300.00	6,960.13	6,553.27	6,522.94	52.39	28.84	50.16	378.56	412.23	1,375.17	1,313.04	62.14	22.131		
8,400.00	6,958.82	6,531.86	6,503.02	54.65	28.78	49.01	379.76	404.46	1,462.02	1,399.77	62.25	23.484		
8,500.00	6,957.50	6,512.00	6,484.48	56.97	28.72	47.98	380.94	397.45	1,549.96	1,487.59	62.37	24.850		
8,600.00	6,956.19	6,512.00	6,484.48	59.33	28.72	47.98	380.94	397.45	1,639.07	1,576.44	62.63	26.170		
8,700.00	6,954.87	6,512.00	6,484.48	61.73	28.72	47.98	380.94	397.45	1,729.37	1,666.53	62.85	27.516		
8,800.00	6,953.56	6,512.00	6,484.48	64.16	28.72	47.98	380.94	397.45	1,820.69	1,757.66	63.03	28.886		

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 13N-6B-M
<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 13N-6B-M	<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		
8,900.00	6,952.24	6,512.00	6,484.48	66.63	28.72	47.98	380.94	397.45	1,912.87	1,849.69	63.18	30.274		
9,000.00	6,950.93	6,512.00	6,484.48	69.13	28.72	47.98	380.94	397.45	2,005.81	1,942.49	63.32	31.679		
9,100.00	6,949.61	6,474.15	6,448.49	71.65	28.59	46.07	382.96	385.94	2,097.45	2,034.19	63.26	33.158		
9,200.00	6,948.30	6,469.60	6,444.09	74.20	28.58	45.85	383.17	384.79	2,191.11	2,127.76	63.35	34.586		
9,300.00	6,946.98	6,465.40	6,440.02	76.77	28.56	45.64	383.35	383.76	2,285.26	2,221.82	63.44	36.023		
9,400.00	6,945.67	6,461.50	6,436.24	79.35	28.55	45.44	383.51	382.85	2,379.84	2,316.32	63.52	37.467		
9,500.00	6,944.35	6,457.89	6,432.72	81.95	28.54	45.26	383.66	382.04	2,474.81	2,411.22	63.59	38.918		
9,600.00	6,943.04	6,417.00	6,392.48	84.57	28.40	43.27	384.93	375.04	2,572.02	2,508.51	63.51	40.496		
9,700.00	6,941.73	6,417.00	6,392.48	87.21	28.40	43.27	384.93	375.04	2,667.36	2,603.76	63.60	41.941		
9,800.00	6,940.41	6,417.00	6,392.48	89.85	28.40	43.27	384.93	375.04	2,763.02	2,699.34	63.67	43.393		
9,900.00	6,939.10	6,417.00	6,392.48	92.51	28.40	43.27	384.93	375.04	2,858.98	2,795.23	63.74	44.851		
10,000.00	6,937.78	6,417.00	6,392.48	95.17	28.40	43.27	384.93	375.04	2,955.20	2,891.39	63.81	46.313		
10,100.00	6,936.47	6,417.00	6,392.48	97.85	28.40	43.27	384.93	375.04	3,051.67	2,987.80	63.87	47.779		
10,200.00	6,935.15	6,417.00	6,392.48	100.54	28.40	43.27	384.93	375.04	3,148.37	3,084.44	63.93	49.248		
10,300.00	6,933.84	6,417.00	6,392.48	103.23	28.40	43.27	384.93	375.04	3,245.26	3,181.27	63.98	50.720		
10,400.00	6,932.52	6,417.00	6,392.48	105.93	28.40	43.27	384.93	375.04	3,342.33	3,278.29	64.04	52.195		
10,500.00	6,931.21	6,417.00	6,392.48	108.64	28.40	43.27	384.93	375.04	3,439.57	3,375.49	64.09	53.671		
10,600.00	6,929.89	6,417.00	6,392.48	111.36	28.40	43.27	384.93	375.04	3,536.97	3,472.83	64.13	55.149		
10,700.00	6,928.58	6,417.00	6,392.48	114.08	28.40	43.27	384.93	375.04	3,634.50	3,570.32	64.18	56.628		
10,800.00	6,927.26	6,417.00	6,392.48	116.81	28.40	43.27	384.93	375.04	3,732.17	3,667.94	64.23	58.108		
10,900.00	6,925.95	6,417.00	6,392.48	119.54	28.40	43.27	384.93	375.04	3,829.96	3,765.69	64.27	59.588		
11,000.00	6,924.64	6,417.00	6,392.48	122.28	28.40	43.27	384.93	375.04	3,927.86	3,863.54	64.32	61.068		
11,100.00	6,923.32	6,417.00	6,392.48	125.02	28.40	43.27	384.93	375.04	4,025.86	3,961.50	64.36	62.549		
11,200.00	6,922.01	6,417.00	6,392.48	127.77	28.40	43.27	384.93	375.04	4,123.96	4,059.55	64.41	64.029		
11,300.00	6,920.69	6,417.00	6,392.48	130.52	28.40	43.27	384.93	375.04	4,222.15	4,157.70	64.45	65.508		
11,400.00	6,919.38	6,417.00	6,392.48	133.28	28.40	43.27	384.93	375.04	4,320.42	4,255.92	64.50	66.987		
11,500.00	6,918.06	6,417.00	6,392.48	136.04	28.40	43.27	384.93	375.04	4,418.77	4,354.23	64.54	68.465		
11,600.00	6,916.75	6,417.00	6,392.48	138.80	28.40	43.27	384.93	375.04	4,517.19	4,452.60	64.59	69.942		
11,700.00	6,915.43	6,417.00	6,392.48	141.56	28.40	43.27	384.93	375.04	4,615.68	4,551.05	64.63	71.417		
11,800.00	6,914.12	6,417.00	6,392.48	144.33	28.40	43.27	384.93	375.04	4,714.23	4,649.55	64.67	72.891		
11,900.00	6,912.80	6,417.00	6,392.48	147.10	28.40	43.27	384.93	375.04	4,812.84	4,748.12	64.72	74.364		
12,000.00	6,911.49	6,417.00	6,392.48	149.88	28.40	43.27	384.93	375.04	4,911.51	4,846.74	64.77	75.834		
12,100.00	6,910.17	6,417.00	6,392.48	152.65	28.40	43.27	384.93	375.04	5,010.23	4,945.42	64.81	77.303		
12,200.00	6,908.86	6,417.00	6,392.48	155.43	28.40	43.27	384.93	375.04	5,109.00	5,044.14	64.86	78.770		
12,300.00	6,907.54	6,417.00	6,392.48	158.21	28.40	43.27	384.93	375.04	5,207.82	5,142.91	64.91	80.235		
12,400.00	6,906.23	6,417.00	6,392.48	160.99	28.40	43.27	384.93	375.04	5,306.68	5,241.73	64.96	81.698		
12,500.00	6,904.92	6,417.00	6,392.48	163.78	28.40	43.27	384.93	375.04	5,405.58	5,340.58	65.00	83.158		
12,600.00	6,903.60	6,417.00	6,392.48	166.57	28.40	43.27	384.93	375.04	5,504.53	5,439.47	65.05	84.616		
12,700.00	6,902.29	6,417.00	6,392.48	169.35	28.40	43.27	384.93	375.04	5,603.51	5,538.41	65.10	86.071		
12,800.00	6,900.97	6,417.00	6,392.48	172.14	28.40	43.27	384.93	375.04	5,702.53	5,637.37	65.15	87.524		
12,900.00	6,899.66	6,417.00	6,392.48	174.94	28.40	43.27	384.93	375.04	5,801.58	5,736.37	65.21	88.973		
13,000.00	6,898.34	6,417.00	6,392.48	177.73	28.40	43.27	384.93	375.04	5,900.66	5,835.40	65.26	90.421		
13,100.00	6,897.03	6,417.00	6,392.48	180.53	28.40	43.27	384.93	375.04	5,999.77	5,934.46	65.31	91.865		
13,200.00	6,895.71	6,417.00	6,392.48	183.32	28.40	43.27	384.93	375.04	6,098.91	6,033.55	65.36	93.306		
13,300.00	6,894.40	6,417.00	6,392.48	186.12	28.40	43.27	384.93	375.04	6,198.08	6,132.66	65.42	94.744		
13,400.00	6,893.08	6,417.00	6,392.48	188.92	28.40	43.27	384.93	375.04	6,297.28	6,231.80	65.47	96.180		
13,500.00	6,891.77	6,417.00	6,392.48	191.72	28.40	43.27	384.93	375.04	6,396.50	6,330.97	65.53	97.611		
13,600.00	6,890.45	6,417.00	6,392.48	194.52	28.40	43.27	384.93	375.04	6,495.74	6,430.16	65.59	99.040		
13,700.00	6,889.14	6,417.00	6,392.48	197.32	28.40	43.27	384.93	375.04	6,595.01	6,529.37	65.64	100.466		
13,800.00	6,887.82	6,417.00	6,392.48	200.13	28.40	43.27	384.93	375.04	6,694.30	6,628.60	65.70	101.888		
13,900.00	6,886.51	6,417.00	6,392.48	202.93	28.40	43.27	384.93	375.04	6,793.61	6,727.85	65.76	103.306		
14,000.00	6,885.20	6,417.00	6,392.48	205.74	28.40	43.27	384.93	375.04	6,892.94	6,827.12	65.82	104.721		

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 13N-6B-M
<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 13N-6B-M	<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 #11-5-3NCHZ - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 133-MWD												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	6,883.88	6,417.00	6,392.48	208.55	28.40	43.27	384.93	375.04	6,992.29	6,926.41	65.88	106.133	
14,200.00	6,882.57	6,417.00	6,392.48	211.35	28.40	43.27	384.93	375.04	7,091.66	7,025.71	65.94	107.541	
14,300.00	6,881.25	6,417.00	6,392.48	214.16	28.40	43.27	384.93	375.04	7,191.04	7,125.03	66.01	108.945	
14,400.00	6,879.94	6,417.00	6,392.48	216.97	28.40	43.27	384.93	375.04	7,290.44	7,224.37	66.07	110.345	
14,500.00	6,878.62	6,417.00	6,392.48	219.78	28.40	43.27	384.93	375.04	7,389.86	7,323.73	66.13	111.742	
14,600.00	6,877.31	6,417.00	6,392.48	222.59	28.40	43.27	384.93	375.04	7,489.29	7,423.10	66.20	113.135	
14,700.00	6,875.99	6,417.00	6,392.48	225.41	28.40	43.27	384.93	375.04	7,588.74	7,522.48	66.26	114.524	
14,800.00	6,874.68	6,417.00	6,392.48	228.22	28.40	43.27	384.93	375.04	7,688.20	7,621.87	66.33	115.910	
14,900.00	6,873.36	6,417.00	6,392.48	231.03	28.40	43.27	384.93	375.04	7,787.68	7,721.28	66.40	117.291	
15,000.00	6,872.05	6,374.63	6,350.31	233.85	28.24	41.31	385.72	371.04	7,885.92	7,819.51	66.42	118.729	
15,100.00	6,870.73	6,373.91	6,349.59	236.66	28.24	41.28	385.74	370.99	7,985.39	7,918.90	66.49	120.104	
15,200.00	6,869.42	6,373.21	6,348.89	239.48	28.23	41.25	385.75	370.94	8,084.86	8,018.30	66.56	121.474	
15,300.00	6,868.11	6,372.52	6,348.20	242.29	28.23	41.22	385.76	370.90	8,184.34	8,117.72	66.63	122.841	
15,400.00	6,866.79	6,371.85	6,347.53	245.11	28.23	41.19	385.77	370.86	8,283.84	8,217.15	66.70	124.204	
15,460.11	6,866.00	6,371.45	6,347.14	246.80	28.23	41.17	385.77	370.83	8,343.66	8,276.92	66.74	125.021	
15,460.74	6,865.99	6,371.45	6,347.13	246.82	28.23	41.17	385.77	370.83	8,344.28	8,277.54	66.74	125.029	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	87.33	24.05	515.27	515.88					
100.00	100.00	99.62	99.61	3.28	3.30	87.38	23.53	514.17	514.75	508.17	6.58	78.173		
200.00	200.00	200.71	200.69	3.34	3.38	87.46	22.75	512.89	513.45	506.73	6.71	76.479		
300.00	299.98	303.08	303.05	3.44	3.51	-11.53	22.10	511.14	510.00	503.05	6.95	73.341		
400.00	399.84	403.17	403.11	3.60	3.69	-11.63	21.60	509.11	502.83	495.54	7.29	68.972		
500.00	499.45	509.39	509.29	3.80	3.93	-11.84	20.98	506.33	491.68	483.94	7.74	63.557		
584.50	583.35	596.93	596.77	4.01	4.15	-12.11	20.49	502.98	478.59	470.43	8.17	58.586		
600.00	598.71	612.91	612.73	4.05	4.20	-12.16	20.41	502.29	475.90	467.64	8.26	57.640		
700.00	697.81	706.09	705.84	4.33	4.47	-12.43	19.74	498.85	459.13	450.34	8.79	52.258		
800.00	796.91	806.35	806.04	4.64	4.78	-12.76	19.15	495.29	442.52	433.13	9.39	47.112		
900.00	896.01	898.75	898.40	4.98	5.09	-13.05	18.37	492.69	426.63	416.62	10.01	42.602		
1,000.00	995.11	996.89	996.51	5.34	5.43	-13.34	17.31	490.76	411.58	400.89	10.69	38.497		
1,100.00	1,094.21	1,100.37	1,099.95	5.71	5.80	-13.58	15.56	488.15	395.95	384.53	11.41	34.690		
1,200.00	1,193.31	1,201.93	1,201.41	6.10	6.18	-13.74	13.15	484.57	379.27	367.11	12.15	31.207		
1,300.00	1,292.41	1,300.56	1,299.93	6.49	6.56	-13.87	10.51	480.83	362.31	349.41	12.90	28.078		
1,400.00	1,391.51	1,398.21	1,397.48	6.90	6.94	-13.99	7.75	477.26	345.48	331.81	13.67	25.275		
1,500.00	1,490.61	1,494.06	1,493.26	7.31	7.32	-14.14	5.26	474.26	329.19	314.75	14.44	22.792		
1,600.00	1,589.71	1,591.07	1,590.22	7.73	7.71	-14.45	3.57	471.94	313.70	298.46	15.23	20.593		
1,700.00	1,688.81	1,696.24	1,695.30	8.16	8.13	-14.82	1.60	468.34	297.19	281.14	16.05	18.522		
1,800.00	1,787.92	1,797.41	1,796.26	8.59	8.56	-14.71	-2.87	463.73	279.33	262.47	16.86	16.570		
1,900.00	1,887.02	1,896.63	1,895.05	9.02	8.98	-13.86	-10.56	458.49	260.46	242.79	17.68	14.734		
2,000.00	1,986.12	1,991.00	1,989.01	9.46	9.38	-12.81	-18.30	454.41	242.57	224.06	18.51	13.105		
2,100.00	2,085.22	2,090.22	2,087.87	9.90	9.81	-11.59	-26.22	451.32	225.98	206.64	19.35	11.680		
2,200.00	2,184.32	2,192.08	2,189.14	10.34	10.26	-9.76	-35.67	445.84	207.22	187.04	20.19	10.265		
2,300.00	2,283.42	2,287.04	2,283.60	10.78	10.69	-7.83	-44.18	441.21	189.22	168.16	21.06	8.986		
2,400.00	2,382.52	2,382.33	2,378.48	11.23	11.11	-5.61	-52.48	438.32	173.27	151.34	21.93	7.901		
2,500.00	2,481.62	2,483.07	2,478.85	11.68	11.55	-2.97	-60.87	436.14	158.47	135.68	22.79	6.953		
2,600.00	2,580.72	2,583.47	2,578.77	12.13	12.00	0.40	-69.29	431.26	141.41	117.75	23.66	5.977		
2,700.00	2,679.82	2,681.24	2,676.07	12.58	12.45	4.61	-77.60	426.55	125.03	100.47	24.56	5.091		
2,800.00	2,778.92	2,778.85	2,773.23	13.03	12.90	9.95	-85.88	422.16	109.80	84.33	25.47	4.310		
2,900.00	2,878.02	2,876.07	2,870.07	13.48	13.34	16.43	-93.79	418.79	96.59	70.19	26.40	3.659		
3,000.00	2,977.12	2,975.45	2,969.07	13.94	13.79	24.75	-101.85	415.84	85.42	58.09	27.33	3.126		
3,100.00	3,076.22	3,073.75	3,066.90	14.39	14.24	36.32	-110.46	411.29	75.81	47.53	28.28	2.681		
3,200.00	3,175.32	3,174.36	3,167.12	14.85	14.71	50.14	-117.71	406.55	68.77	39.56	29.21	2.355		
3,300.00	3,274.43	3,273.09	3,265.52	15.30	15.16	66.51	-122.68	400.29	63.86	33.74	30.12	2.120		
3,346.89	3,320.89	3,319.30	3,311.62	15.52	15.37	74.41	-124.72	397.65	63.31	32.79	30.52	2.074		
3,400.00	3,373.53	3,371.73	3,363.93	15.76	15.60	83.16	-126.84	394.87	63.98	33.02	30.96	2.066		
3,500.00	3,472.63	3,469.06	3,461.04	16.22	16.04	97.80	-131.23	390.07	69.48	37.75	31.73	2.189		
3,600.00	3,571.73	3,568.79	3,560.56	16.68	16.49	109.84	-135.77	385.35	78.86	46.30	32.56	2.422		
3,700.00	3,670.83	3,663.66	3,655.14	17.14	16.93	119.18	-140.25	379.62	91.83	58.57	33.26	2.761		
3,800.00	3,769.93	3,761.12	3,752.12	17.59	17.38	126.25	-146.45	372.31	108.91	74.84	34.06	3.197		
3,900.00	3,869.03	3,858.23	3,848.73	18.05	17.84	131.24	-153.06	364.94	127.52	92.63	34.88	3.656		
4,000.00	3,968.13	3,956.48	3,946.46	18.51	18.31	134.93	-159.90	357.52	146.89	111.13	35.75	4.108		
4,100.00	4,067.23	4,055.07	4,044.57	18.98	18.78	137.81	-166.42	350.38	166.27	129.63	36.64	4.538		
4,200.00	4,166.33	4,152.35	4,141.35	19.44	19.24	139.68	-173.90	343.93	185.98	148.49	37.50	4.960		
4,300.00	4,265.43	4,252.59	4,241.09	19.90	19.72	141.03	-181.96	338.06	205.37	166.93	38.43	5.343		
4,400.00	4,364.53	4,353.71	4,341.87	20.36	20.19	142.48	-188.35	332.81	223.46	184.08	39.38	5.675		
4,500.00	4,463.63	4,452.68	4,440.54	20.82	20.65	143.56	-194.75	328.46	241.02	200.74	40.27	5.985		
4,600.00	4,562.73	4,550.02	4,543.61	21.28	21.12	144.56	-201.01	324.47	258.03	216.79	41.24	6.257		
4,700.00	4,661.83	4,666.47	4,653.91	21.75	21.59	145.39	-206.32	324.22	271.28	229.03	42.24	6.422		
4,800.00	4,760.93	4,769.86	4,757.30	22.21	21.98	146.86	-206.59	325.23	281.63	238.51	43.12	6.532		
4,900.00	4,860.04	4,868.18	4,855.61	22.67	22.34	148.40	-205.60	326.04	291.81	247.87	43.95	6.640		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	4,965.04	4,952.46	23.13	22.71	149.93	-204.25	326.04	302.82	258.05	44.77	6.764		
5,100.00	5,058.24	5,061.82	5,049.23	23.60	23.09	151.43	-202.75	325.20	314.79	269.20	45.59	6.904		
5,200.00	5,157.34	5,158.90	5,146.28	24.06	23.47	152.86	-201.27	323.73	327.60	281.17	46.42	7.057		
5,300.00	5,256.44	5,262.49	5,249.86	24.52	23.89	154.12	-200.48	322.57	340.44	293.12	47.32	7.194		
5,400.00	5,355.54	5,361.49	5,348.86	24.99	24.29	154.93	-201.19	323.11	352.21	304.03	48.18	7.310		
5,500.00	5,454.64	5,459.27	5,446.63	25.45	24.69	155.84	-201.00	322.95	364.51	315.48	49.03	7.435		
5,600.00	5,553.74	5,552.84	5,540.19	25.92	25.07	156.69	-200.85	322.02	377.70	327.86	49.83	7.579		
5,700.00	5,652.84	5,651.30	5,638.64	26.38	25.49	157.44	-201.44	320.23	391.93	341.23	50.70	7.731		
5,800.00	5,751.94	5,749.29	5,736.60	26.84	25.90	158.31	-200.80	318.15	406.25	354.70	51.55	7.881		
5,900.00	5,851.04	5,848.01	5,835.29	27.31	26.32	159.11	-200.32	315.95	420.80	368.39	52.41	8.029		
6,000.00	5,950.14	5,960.38	5,947.65	27.77	26.78	159.94	-199.63	315.14	433.94	380.54	53.39	8.127		
6,100.00	6,049.24	6,051.97	6,039.22	28.24	27.13	160.75	-197.63	314.60	446.71	392.54	54.17	8.246		
6,200.00	6,148.34	6,151.29	6,138.53	28.70	27.54	161.45	-196.50	313.84	459.94	404.91	55.03	8.358		
6,304.69	6,252.09	6,251.56	6,238.77	29.19	27.95	162.20	-194.90	312.38	474.48	418.59	55.89	8.490		
6,350.00	6,297.17	6,300.46	6,287.66	29.39	28.15	160.49	-194.11	311.80	479.09	422.78	56.31	8.508		
6,400.00	6,347.13	6,351.26	6,338.45	29.59	28.35	49.29	-193.64	311.61	480.14	423.41	56.72	8.465		
6,450.00	6,397.02	6,398.36	6,385.55	29.78	28.54	9.30	-192.85	311.19	477.47	420.39	57.08	8.365		
6,500.00	6,446.53	6,457.82	6,444.99	29.96	28.78	2.89	-191.51	310.72	470.91	413.37	57.54	8.185		
6,550.00	6,495.35	6,560.83	6,547.76	30.14	29.17	0.14	-191.54	316.65	458.17	400.26	57.90	7.913		
6,600.00	6,543.19	6,724.35	6,703.73	30.33	29.72	-4.25	-200.07	362.71	429.60	374.39	55.21	7.781		
6,650.00	6,589.76	6,763.83	6,739.65	30.52	29.84	-7.24	-202.84	378.86	394.60	339.31	55.29	7.137		
6,700.00	6,634.75	6,799.40	6,771.92	30.71	29.95	-10.68	-204.87	393.68	356.74	301.38	55.36	6.444		
6,750.00	6,677.90	6,835.84	6,804.78	30.91	30.05	-15.61	-206.49	409.34	316.18	261.08	55.10	5.739		
6,800.00	6,718.94	6,866.37	6,832.03	31.13	30.14	-22.76	-207.45	423.08	273.15	218.30	54.85	4.980		
6,850.00	6,757.62	6,890.38	6,853.26	31.36	30.21	-33.43	-207.96	434.27	228.35	173.63	54.72	4.173		
6,900.00	6,793.70	6,914.05	6,873.91	31.61	30.27	-52.34	-208.25	445.84	182.42	128.40	54.03	3.377		
6,950.00	6,826.95	6,928.34	6,886.04	31.88	30.31	-73.71	-208.35	453.39	136.36	82.42	53.95	2.528		
7,000.00	6,857.18	6,933.04	6,889.97	32.19	30.32	-86.34	-208.36	455.97	93.12	37.26	55.85	1.667		
7,050.00	6,884.18	6,932.16	6,889.24	32.52	30.32	-89.53	-208.36	455.49	60.94	-0.09	61.03	0.999 Level 1		
7,074.66	6,896.27	6,930.36	6,887.73	32.71	30.32	-88.20	-208.35	454.49	55.76	-6.97	62.73	0.889 Level 1, CC, ES, SF		
7,100.00	6,907.81	6,927.79	6,885.58	32.90	30.31	-85.10	-208.34	453.09	61.18	0.09	61.09	1.002 Level 2		
7,150.00	6,927.91	6,921.08	6,879.92	33.32	30.29	-74.63	-208.31	449.50	93.14	36.65	56.49	1.649		
7,200.00	6,944.36	6,912.75	6,872.80	33.77	30.27	-60.61	-208.24	445.17	135.49	80.52	54.97	2.465		
7,250.00	6,957.05	6,899.00	6,860.84	34.27	30.23	-44.40	-208.09	438.38	180.61	126.42	54.19	3.333		
7,300.00	6,965.92	6,890.51	6,853.37	34.80	30.21	-34.50	-207.96	434.33	226.12	171.28	54.84	4.123		
7,350.00	6,970.89	6,874.06	6,838.85	35.37	30.16	-25.36	-207.64	426.63	271.18	216.28	54.90	4.940		
7,396.89	6,972.00	6,856.69	6,823.42	35.93	30.11	-19.42	-207.18	418.66	312.53	257.48	55.05	5.677		
7,400.00	6,971.96	6,855.48	6,822.34	35.97	30.11	-19.27	-207.15	418.12	315.23	260.18	55.06	5.726		
7,500.00	6,970.65	6,818.59	6,789.27	37.28	30.00	-15.35	-205.79	401.83	403.20	347.71	55.49	7.266		
7,600.00	6,969.33	6,781.36	6,755.57	38.76	29.89	-12.39	-203.90	386.13	492.53	436.79	55.74	8.837		
7,700.00	6,968.02	6,743.21	6,720.90	40.39	29.78	-10.03	-201.46	370.38	582.51	526.65	55.86	10.428		
7,800.00	6,966.70	6,708.00	6,688.82	42.15	29.67	-8.26	-198.77	356.11	673.00	616.96	56.04	12.008		
7,900.00	6,965.39	6,708.00	6,688.82	44.02	29.67	-8.26	-198.77	356.11	764.96	707.83	57.12	13.391		
8,000.00	6,964.07	6,676.51	6,659.71	45.99	29.57	-6.98	-196.40	344.35	857.17	799.98	57.20	14.986		
8,100.00	6,962.76	6,664.00	6,647.96	48.05	29.53	-6.56	-195.59	340.17	950.85	893.23	57.62	16.503		
8,200.00	6,961.45	6,652.98	6,637.51	50.19	29.49	-6.22	-194.93	336.72	1,045.33	987.36	57.96	18.035		
8,300.00	6,960.13	6,643.20	6,628.18	52.39	29.46	-5.94	-194.39	333.85	1,140.46	1,082.21	58.25	19.580		
8,400.00	6,958.82	6,613.00	6,599.02	54.65	29.36	-5.22	-193.02	326.09	1,236.77	1,178.55	58.22	21.242		
8,500.00	6,957.50	6,613.00	6,599.02	56.97	29.36	-5.22	-193.02	326.09	1,332.53	1,273.98	58.54	22.761		
8,600.00	6,956.19	6,613.00	6,599.02	59.33	29.36	-5.22	-193.02	326.09	1,428.87	1,370.07	58.80	24.300		
8,700.00	6,954.87	6,613.00	6,599.02	61.73	29.36	-5.22	-193.02	326.09	1,525.68	1,466.67	59.01	25.854		
8,800.00	6,953.56	6,613.00	6,599.02	64.16	29.36	-5.22	-193.02	326.09	1,622.88	1,563.69	59.19	27.420		

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 13N-6B-M
<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 13N-6B-M	<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		
8,900.00	6,952.24	6,613.00	6,599.02	66.63	29.36	-5.22	-193.02	326.09	1,720.40	1,661.06	59.33	28.995		
9,000.00	6,950.93	6,613.00	6,599.02	69.13	29.36	-5.22	-193.02	326.09	1,818.18	1,758.72	59.46	30.578		
9,100.00	6,949.61	6,613.00	6,599.02	71.65	29.36	-5.22	-193.02	326.09	1,916.20	1,856.63	59.57	32.167		
9,200.00	6,948.30	6,613.00	6,599.02	74.20	29.36	-5.22	-193.02	326.09	2,014.41	1,954.75	59.67	33.761		
9,300.00	6,946.98	6,613.00	6,599.02	76.77	29.36	-5.22	-193.02	326.09	2,112.79	2,053.04	59.75	35.358		
9,400.00	6,945.67	6,613.00	6,599.02	79.35	29.36	-5.22	-193.02	326.09	2,211.32	2,151.49	59.83	36.959		
9,500.00	6,944.35	6,613.00	6,599.02	81.95	29.36	-5.22	-193.02	326.09	2,309.97	2,250.07	59.90	38.562		
9,600.00	6,943.04	6,573.52	6,560.32	84.57	29.21	-4.52	-191.81	318.49	2,406.97	2,347.15	59.82	40.237		
9,700.00	6,941.73	6,570.53	6,557.36	87.21	29.20	-4.47	-191.74	318.03	2,505.57	2,445.69	59.88	41.843		
9,800.00	6,940.41	6,567.73	6,554.59	89.85	29.19	-4.43	-191.68	317.61	2,604.25	2,544.32	59.94	43.449		
9,900.00	6,939.10	6,565.09	6,551.98	92.51	29.18	-4.40	-191.62	317.23	2,703.02	2,643.03	59.99	45.055		
10,000.00	6,937.78	6,562.61	6,549.53	95.17	29.18	-4.36	-191.57	316.89	2,801.86	2,741.82	60.05	46.661		
10,100.00	6,936.47	6,560.28	6,547.21	97.85	29.17	-4.33	-191.53	316.57	2,900.77	2,840.67	60.10	48.266		
10,200.00	6,935.15	6,558.07	6,545.02	100.54	29.16	-4.30	-191.49	316.29	2,999.74	2,939.59	60.15	49.870		
10,300.00	6,933.84	6,518.00	6,505.13	103.23	29.01	-3.87	-191.09	312.63	3,100.33	3,040.24	60.10	51.588		
10,400.00	6,932.52	6,518.00	6,505.13	105.93	29.01	-3.87	-191.09	312.63	3,199.25	3,139.09	60.16	53.181		
10,500.00	6,931.21	6,518.00	6,505.13	108.64	29.01	-3.87	-191.09	312.63	3,298.22	3,238.01	60.22	54.774		
10,600.00	6,929.89	6,518.00	6,505.13	111.36	29.01	-3.87	-191.09	312.63	3,397.26	3,336.99	60.27	56.365		
10,700.00	6,928.58	6,518.00	6,505.13	114.08	29.01	-3.87	-191.09	312.63	3,496.36	3,436.03	60.33	57.956		
10,800.00	6,927.26	6,518.00	6,505.13	116.81	29.01	-3.87	-191.09	312.63	3,595.50	3,535.12	60.38	59.545		
10,900.00	6,925.95	6,518.00	6,505.13	119.54	29.01	-3.87	-191.09	312.63	3,694.69	3,634.25	60.44	61.133		
11,000.00	6,924.64	6,518.00	6,505.13	122.28	29.01	-3.87	-191.09	312.63	3,793.92	3,733.43	60.49	62.719		
11,100.00	6,923.32	6,518.00	6,505.13	125.02	29.01	-3.87	-191.09	312.63	3,893.19	3,832.65	60.54	64.303		
11,200.00	6,922.01	6,518.00	6,505.13	127.77	29.01	-3.87	-191.09	312.63	3,992.50	3,931.90	60.60	65.885		
11,300.00	6,920.69	6,518.00	6,505.13	130.52	29.01	-3.87	-191.09	312.63	4,091.84	4,031.19	60.65	67.465		
11,400.00	6,919.38	6,518.00	6,505.13	133.28	29.01	-3.87	-191.09	312.63	4,191.21	4,130.51	60.70	69.042		
11,500.00	6,918.06	6,518.00	6,505.13	136.04	29.01	-3.87	-191.09	312.63	4,290.62	4,229.86	60.76	70.617		
11,600.00	6,916.75	6,518.00	6,505.13	138.80	29.01	-3.87	-191.09	312.63	4,390.05	4,329.23	60.81	72.189		
11,700.00	6,915.43	6,518.00	6,505.13	141.56	29.01	-3.87	-191.09	312.63	4,489.50	4,428.63	60.87	73.759		
11,800.00	6,914.12	6,518.00	6,505.13	144.33	29.01	-3.87	-191.09	312.63	4,588.98	4,528.06	60.92	75.325		
11,900.00	6,912.80	6,518.00	6,505.13	147.10	29.01	-3.87	-191.09	312.63	4,688.48	4,627.50	60.98	76.888		
12,000.00	6,911.49	6,518.00	6,505.13	149.88	29.01	-3.87	-191.09	312.63	4,788.00	4,726.97	61.03	78.449		
12,100.00	6,910.17	6,518.00	6,505.13	152.65	29.01	-3.87	-191.09	312.63	4,887.54	4,826.45	61.09	80.005		
12,200.00	6,908.86	6,518.00	6,505.13	155.43	29.01	-3.87	-191.09	312.63	4,987.10	4,925.95	61.15	81.559		
12,300.00	6,907.54	6,518.00	6,505.13	158.21	29.01	-3.87	-191.09	312.63	5,086.68	5,025.47	61.20	83.109		
12,400.00	6,906.23	6,518.00	6,505.13	160.99	29.01	-3.87	-191.09	312.63	5,186.27	5,125.01	61.26	84.656		
12,500.00	6,904.92	6,518.00	6,505.13	163.78	29.01	-3.87	-191.09	312.63	5,285.88	5,224.55	61.32	86.199		
12,600.00	6,903.60	6,518.00	6,505.13	166.57	29.01	-3.87	-191.09	312.63	5,385.50	5,324.12	61.38	87.738		
12,700.00	6,902.29	6,518.00	6,505.13	169.35	29.01	-3.87	-191.09	312.63	5,485.14	5,423.69	61.44	89.274		
12,800.00	6,900.97	6,518.00	6,505.13	172.14	29.01	-3.87	-191.09	312.63	5,584.79	5,523.28	61.50	90.805		
12,900.00	6,899.66	6,518.00	6,505.13	174.94	29.01	-3.87	-191.09	312.63	5,684.45	5,622.88	61.56	92.333		
13,000.00	6,898.34	6,518.00	6,505.13	177.73	29.01	-3.87	-191.09	312.63	5,784.12	5,722.49	61.63	93.857		
13,100.00	6,897.03	6,518.00	6,505.13	180.53	29.01	-3.87	-191.09	312.63	5,883.80	5,822.11	61.69	95.377		
13,200.00	6,895.71	6,518.00	6,505.13	183.32	29.01	-3.87	-191.09	312.63	5,983.50	5,921.75	61.75	96.892		
13,300.00	6,894.40	6,518.00	6,505.13	186.12	29.01	-3.87	-191.09	312.63	6,083.20	6,021.39	61.82	98.403		
13,400.00	6,893.08	6,518.00	6,505.13	188.92	29.01	-3.87	-191.09	312.63	6,182.92	6,121.03	61.88	99.911		
13,500.00	6,891.77	6,518.00	6,505.13	191.72	29.01	-3.87	-191.09	312.63	6,282.64	6,220.69	61.95	101.413		
13,600.00	6,890.45	6,518.00	6,505.13	194.52	29.01	-3.87	-191.09	312.63	6,382.37	6,320.36	62.02	102.912		
13,700.00	6,889.14	6,518.00	6,505.13	197.32	29.01	-3.87	-191.09	312.63	6,482.12	6,420.03	62.09	104.406		
13,800.00	6,887.82	6,518.00	6,505.13	200.13	29.01	-3.87	-191.09	312.63	6,581.86	6,519.71	62.15	105.895		
13,900.00	6,886.51	6,518.00	6,505.13	202.93	29.01	-3.87	-191.09	312.63	6,681.62	6,619.40	62.22	107.380		
14,000.00	6,885.20	6,518.00	6,505.13	205.74	29.01	-3.87	-191.09	312.63	6,781.38	6,719.09	62.29	108.861		

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 13N-6B-M
<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 13N-6B-M	<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 #12-5-4CHZ - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 39-MWVD												<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	
14,100.00	6,883.88	6,518.00	6,505.13	208.55	29.01	-3.87	-191.09	312.63	6,881.15	6,818.79	62.37	110.336	
14,200.00	6,882.57	6,518.00	6,505.13	211.35	29.01	-3.87	-191.09	312.63	6,980.93	6,918.49	62.44	111.807	
14,300.00	6,881.25	6,518.00	6,505.13	214.16	29.01	-3.87	-191.09	312.63	7,080.71	7,018.20	62.51	113.274	
14,400.00	6,879.94	6,518.00	6,505.13	216.97	29.01	-3.87	-191.09	312.63	7,180.50	7,117.92	62.58	114.735	
14,500.00	6,878.62	6,518.00	6,505.13	219.78	29.01	-3.87	-191.09	312.63	7,280.30	7,217.64	62.66	116.192	
14,600.00	6,877.31	6,518.00	6,505.13	222.59	29.01	-3.87	-191.09	312.63	7,380.10	7,317.36	62.73	117.644	
14,700.00	6,875.99	6,518.00	6,505.13	225.41	29.01	-3.87	-191.09	312.63	7,479.90	7,417.09	62.81	119.091	
14,800.00	6,874.68	6,518.00	6,505.13	228.22	29.01	-3.87	-191.09	312.63	7,579.71	7,516.83	62.88	120.534	
14,900.00	6,873.36	6,518.00	6,505.13	231.03	29.01	-3.87	-191.09	312.63	7,679.53	7,616.57	62.96	121.971	
15,000.00	6,872.05	6,518.00	6,505.13	233.85	29.01	-3.87	-191.09	312.63	7,779.35	7,716.31	63.04	123.403	
15,100.00	6,870.73	6,518.00	6,505.13	236.66	29.01	-3.87	-191.09	312.63	7,879.17	7,816.05	63.12	124.831	
15,200.00	6,869.42	6,518.00	6,505.13	239.48	29.01	-3.87	-191.09	312.63	7,979.00	7,915.80	63.20	126.253	
15,300.00	6,868.11	6,518.00	6,505.13	242.29	29.01	-3.87	-191.09	312.63	8,078.84	8,015.56	63.28	127.670	
15,400.00	6,866.79	6,518.00	6,505.13	245.11	29.01	-3.87	-191.09	312.63	8,178.67	8,115.31	63.36	129.082	
15,460.11	6,866.00	6,518.00	6,505.13	246.80	29.01	-3.87	-191.09	312.63	8,238.69	8,175.28	63.41	129.929	
15,460.74	6,865.99	6,518.00	6,505.13	246.82	29.01	-3.87	-191.09	312.63	8,239.31	8,175.90	63.41	129.937	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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-MWDD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	88.98	9.12	513.88	514.01					
100.00	100.00	96.87	96.87	3.28	3.30	89.03	8.72	513.37	513.46	506.88	6.58	78.002		
200.00	200.00	199.35	199.34	3.34	3.37	89.15	7.63	512.42	512.52	505.81	6.71	76.359		
300.00	299.98	303.29	303.26	3.44	3.51	-9.75	6.30	510.77	509.19	502.24	6.96	73.208		
400.00	399.84	405.96	405.89	3.60	3.70	-9.74	5.07	508.38	501.69	494.39	7.30	68.728		
500.00	499.45	509.86	509.74	3.80	3.93	-9.88	4.31	505.25	490.10	482.36	7.74	63.327		
584.50	583.35	589.52	589.35	4.01	4.13	-10.05	3.69	502.69	477.48	469.34	8.14	58.638		
600.00	598.71	603.95	603.78	4.05	4.17	-10.08	3.55	502.31	475.04	466.81	8.22	57.761		
700.00	697.81	699.26	699.06	4.33	4.44	-10.20	2.28	500.29	459.74	450.98	8.76	52.470		
800.00	796.91	794.52	794.29	4.64	4.74	-10.26	0.47	499.00	445.18	435.83	9.35	47.609		
900.00	896.01	887.29	887.03	4.98	5.03	-10.23	-1.96	498.78	431.73	421.75	9.97	43.296		
1,000.00	995.11	985.46	985.14	5.34	5.36	-10.09	-5.31	499.49	419.20	408.56	10.64	39.390		
1,100.00	1,094.21	1,087.31	1,086.92	5.71	5.72	-9.89	-9.15	499.97	406.43	395.08	11.36	35.790		
1,200.00	1,193.31	1,193.45	1,192.95	6.10	6.11	-9.61	-13.48	498.61	391.89	379.78	12.11	32.360		
1,300.00	1,292.41	1,275.38	1,274.84	6.49	6.41	-9.47	-16.20	499.08	379.23	366.42	12.81	29.614		
1,400.00	1,391.51	1,391.65	1,391.02	6.90	6.84	-9.33	-19.67	501.09	367.93	354.31	13.61	27.026		
1,500.00	1,490.61	1,504.10	1,503.28	7.31	7.29	-8.93	-24.49	496.89	351.00	336.58	14.42	24.335		
1,600.00	1,589.71	1,611.84	1,610.62	7.73	7.73	-8.44	-29.50	489.24	330.79	315.56	15.22	21.731		
1,700.00	1,688.81	1,712.38	1,710.50	8.16	8.16	-7.56	-35.97	479.82	308.40	292.38	16.02	19.248		
1,800.00	1,787.92	1,806.72	1,804.11	8.59	8.57	-6.18	-44.15	471.35	286.57	269.73	16.85	17.012		
1,900.00	1,887.02	1,899.40	1,895.89	9.02	8.99	-4.11	-54.53	463.86	266.02	248.32	17.69	15.034		
2,000.00	1,986.12	1,989.83	1,985.26	9.46	9.41	-1.22	-67.35	458.78	248.62	230.05	18.57	13.390		
2,100.00	2,085.22	2,083.82	2,078.25	9.90	9.85	2.07	-80.61	455.43	234.03	214.58	19.45	12.033		
2,200.00	2,184.32	2,181.15	2,174.76	10.34	10.29	5.47	-93.07	453.59	221.63	201.30	20.34	10.898		
2,300.00	2,283.42	2,282.29	2,275.24	10.78	10.76	8.99	-104.23	451.00	208.96	187.73	21.23	9.843		
2,400.00	2,382.52	2,383.66	2,375.95	11.23	11.23	13.02	-115.29	447.63	196.40	174.28	22.13	8.876		
2,500.00	2,481.62	2,485.45	2,476.92	11.68	11.71	18.04	-126.55	441.35	182.44	159.40	23.03	7.920		
2,600.00	2,580.72	2,584.40	2,574.96	12.13	12.19	23.97	-137.58	433.85	168.87	144.91	23.96	7.048		
2,700.00	2,679.82	2,681.46	2,670.87	12.58	12.68	31.35	-149.64	425.07	157.09	132.18	24.91	6.307		
2,800.00	2,778.92	2,778.43	2,766.68	13.03	13.16	39.70	-161.86	416.45	148.62	122.78	25.84	5.751		
2,900.00	2,878.02	2,875.58	2,862.90	13.48	13.65	48.17	-173.01	409.02	143.53	116.79	26.74	5.367		
3,000.00	2,977.12	2,973.50	2,960.09	13.94	14.12	56.35	-183.37	403.19	141.80	114.19	27.61	5.136		
3,013.51	2,990.52	2,986.79	2,973.30	14.00	14.19	57.43	-184.72	402.49	141.78	114.05	27.72	5.114 CC, ES		
3,100.00	3,076.22	3,071.86	3,057.83	14.39	14.60	64.28	-193.18	397.99	142.71	114.26	28.45	5.016		
3,200.00	3,175.32	3,168.08	3,153.36	14.85	15.07	72.06	-203.19	392.29	146.72	117.47	29.25	5.016		
3,300.00	3,274.43	3,264.10	3,248.49	15.30	15.55	79.56	-214.53	385.94	154.82	124.80	30.03	5.156		
3,400.00	3,373.53	3,363.06	3,346.48	15.76	16.05	86.60	-226.42	378.90	165.73	134.88	30.85	5.372		
3,500.00	3,472.63	3,465.76	3,448.45	16.22	16.56	92.72	-236.90	372.70	176.84	145.09	31.75	5.569		
3,600.00	3,571.73	3,563.83	3,546.04	16.68	17.03	97.53	-245.53	368.20	187.83	155.24	32.59	5.764		
3,700.00	3,670.83	3,657.43	3,639.05	17.14	17.48	101.49	-255.01	363.92	201.23	167.88	33.35	6.034		
3,800.00	3,769.93	3,746.94	3,727.66	17.59	17.94	104.66	-266.80	359.25	218.55	184.53	34.02	6.424		
3,900.00	3,869.03	3,840.82	3,820.14	18.05	18.44	107.35	-281.92	353.70	239.39	204.59	34.80	6.879		
4,000.00	3,968.13	3,937.58	3,915.35	18.51	18.96	109.54	-298.31	348.22	261.30	225.64	35.66	7.327		
4,100.00	4,067.23	4,040.88	4,017.15	18.98	19.52	111.51	-315.03	342.92	282.62	245.94	36.68	7.705		
4,200.00	4,166.33	4,148.13	4,123.31	19.44	20.07	113.33	-329.63	338.67	301.42	263.67	37.75	7.986		
4,300.00	4,265.43	4,249.24	4,223.68	19.90	20.57	114.90	-341.46	335.59	318.37	279.69	38.68	8.230		
4,400.00	4,364.53	4,345.49	4,319.25	20.36	21.05	116.28	-352.42	332.64	335.28	295.73	39.55	8.477		
4,500.00	4,463.63	4,437.28	4,410.27	20.82	21.51	117.63	-363.37	328.22	353.82	313.48	40.34	8.770		
4,600.00	4,562.73	4,538.86	4,511.04	21.28	22.02	119.14	-374.82	322.49	372.58	331.28	41.30	9.021		
4,700.00	4,661.83	4,633.11	4,604.52	21.75	22.50	120.49	-385.34	316.59	391.86	349.71	42.14	9.298		
4,800.00	4,760.93	4,735.12	4,705.72	22.21	23.02	121.76	-396.77	310.65	411.09	367.98	43.11	9.536		
4,900.00	4,860.04	4,838.77	4,808.57	22.67	23.54	122.65	-408.99	306.91	429.45	385.35	44.10	9.739		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	4,946.16	4,915.34	23.13	24.06	123.49	-420.18	304.39	446.04	400.92	45.12	9.887		
5,100.00	5,058.24	5,054.60	5,023.42	23.60	24.57	124.50	-428.75	302.01	460.81	414.69	46.12	9.991		
5,200.00	5,157.34	5,174.30	5,142.97	24.06	25.09	125.79	-434.08	300.49	472.69	425.51	47.17	10.021		
5,300.00	5,256.44	5,277.39	5,246.06	24.52	25.50	127.00	-435.49	300.61	481.54	433.46	48.08	10.015		
5,400.00	5,355.54	5,381.42	5,350.07	24.99	25.90	128.44	-434.76	299.64	489.98	441.00	48.98	10.004		
5,500.00	5,454.64	5,482.20	5,450.80	25.45	26.26	129.98	-432.32	298.11	498.02	448.17	49.84	9.992		
5,600.00	5,553.74	5,578.38	5,546.91	25.92	26.60	131.54	-429.21	295.81	506.55	455.86	50.69	9.993		
5,700.00	5,652.84	5,681.26	5,649.74	26.38	26.97	133.04	-426.51	294.05	515.31	463.75	51.56	9.994		
5,800.00	5,751.94	5,786.75	5,755.21	26.84	27.35	134.17	-425.52	295.41	522.96	470.53	52.44	9.973		
5,900.00	5,851.04	5,879.45	5,847.89	27.31	27.69	135.19	-424.27	296.30	530.86	477.59	53.28	9.964		
6,000.00	5,950.14	5,969.60	5,938.04	27.77	28.04	136.10	-424.48	295.91	540.93	486.83	54.10	9.998		
6,100.00	6,049.24	6,074.82	6,043.25	28.24	28.45	137.25	-423.56	295.09	550.85	495.84	55.01	10.014		
6,200.00	6,148.34	6,173.27	6,141.70	28.70	28.83	138.22	-423.04	294.83	560.73	504.86	55.87	10.037		
6,304.69	6,252.09	6,279.88	6,248.28	29.19	29.23	139.41	-420.95	293.80	571.09	514.31	56.78	10.058		
6,350.00	6,297.17	6,327.50	6,295.89	29.39	29.40	127.89	-419.98	293.64	573.97	516.80	57.17	10.039		
6,400.00	6,347.13	6,384.61	6,352.99	29.59	29.61	26.70	-418.77	293.99	573.47	515.87	57.60	9.956		
6,450.00	6,397.02	6,453.37	6,421.70	29.78	29.85	-13.66	-416.97	295.63	568.74	510.74	58.00	9.806		
6,500.00	6,446.53	6,555.49	6,523.25	29.96	30.20	-21.44	-413.17	305.26	557.41	499.33	58.09	9.596		
6,550.00	6,495.35	6,689.88	6,652.72	30.14	30.63	-28.65	-412.60	340.23	537.14	480.39	56.75	9.466		
6,600.00	6,543.19	6,762.90	6,718.65	30.33	30.83	-36.08	-415.88	371.40	508.77	452.71	56.07	9.074		
6,650.00	6,589.76	6,816.44	6,765.05	30.52	30.97	-44.13	-419.54	397.83	477.35	421.56	55.80	8.555		
6,700.00	6,634.75	6,871.66	6,811.33	30.71	31.10	-54.54	-422.39	427.80	443.55	388.32	55.23	8.031		
6,750.00	6,677.90	6,911.33	6,843.53	30.91	31.18	-64.91	-423.38	450.95	408.71	353.54	55.16	7.409		
6,800.00	6,718.94	6,937.02	6,863.72	31.13	31.23	-73.89	-423.80	466.84	374.56	318.79	55.77	6.717		
6,850.00	6,757.62	6,951.69	6,874.96	31.36	31.26	-80.69	-424.01	476.25	342.83	285.86	56.97	6.017		
6,900.00	6,793.70	6,958.35	6,880.00	31.61	31.27	-85.24	-424.10	480.60	315.18	256.59	58.59	5.379		
6,950.00	6,826.95	6,959.08	6,880.55	31.88	31.27	-87.73	-424.11	481.08	293.27	232.94	60.33	4.861		
7,000.00	6,857.18	6,955.33	6,877.73	32.19	31.27	-88.44	-424.06	478.62	278.65	216.84	61.82	4.508		
7,050.00	6,884.18	6,948.14	6,872.26	32.52	31.25	-87.59	-423.97	473.94	272.46	209.76	62.70	4.345		
7,060.13	6,889.25	6,946.33	6,870.88	32.60	31.25	-87.25	-423.94	472.78	272.28	209.49	62.79	4.336 SF		
7,100.00	6,907.81	6,938.24	6,864.66	32.90	31.23	-85.39	-423.82	467.61	275.04	212.21	62.82	4.378		
7,150.00	6,927.91	6,926.20	6,855.28	33.32	31.21	-82.02	-423.63	460.05	285.81	223.50	62.31	4.587		
7,200.00	6,944.36	6,912.42	6,844.40	33.77	31.19	-77.68	-423.40	451.60	303.49	242.03	61.47	4.938		
7,250.00	6,957.05	6,896.86	6,831.90	34.27	31.16	-72.54	-423.10	442.34	326.53	265.95	60.58	5.390		
7,300.00	6,965.92	6,876.93	6,815.66	34.80	31.11	-66.42	-422.57	430.80	353.27	293.60	59.67	5.920		
7,350.00	6,970.89	6,855.53	6,797.98	35.37	31.06	-60.20	-421.74	418.78	382.35	323.38	58.97	6.484		
7,396.89	6,972.00	6,834.33	6,780.22	35.93	31.01	-54.54	-420.66	407.25	410.81	352.30	58.50	7.022		
7,400.00	6,971.96	6,832.89	6,779.01	35.97	31.01	-54.35	-420.58	406.49	412.72	354.24	58.48	7.058		
7,500.00	6,970.65	6,792.74	6,744.72	37.28	30.91	-49.39	-417.83	385.78	478.51	420.38	58.14	8.231		
7,600.00	6,969.33	6,762.39	6,718.20	38.76	30.83	-45.94	-415.85	371.16	551.50	493.14	58.35	9.451		
7,700.00	6,968.02	6,735.46	6,694.23	40.39	30.75	-43.12	-414.38	358.97	629.76	571.09	58.67	10.735		
7,800.00	6,966.70	6,709.00	6,670.31	42.15	30.68	-40.57	-413.20	347.73	711.88	652.95	58.92	12.081		
7,900.00	6,965.39	6,709.00	6,670.31	44.02	30.68	-40.57	-413.20	347.73	797.31	737.52	59.79	13.335		
8,000.00	6,964.07	6,683.18	6,646.49	45.99	30.61	-38.29	-412.47	337.78	884.64	824.76	59.88	14.773		
8,100.00	6,962.76	6,664.00	6,628.45	48.05	30.55	-36.74	-412.31	331.28	974.31	914.23	60.08	16.217		
8,200.00	6,961.45	6,664.00	6,628.45	50.19	30.55	-36.74	-412.31	331.28	1,065.28	1,004.75	60.53	17.598		
8,300.00	6,960.13	6,649.20	6,614.37	52.39	30.50	-35.62	-412.31	326.72	1,157.49	1,096.80	60.69	19.074		
8,400.00	6,958.82	6,638.33	6,603.97	54.65	30.47	-34.83	-412.32	323.56	1,250.62	1,189.76	60.85	20.551		
8,500.00	6,957.50	6,614.00	6,580.51	56.97	30.39	-33.15	-412.33	317.13	1,344.74	1,283.89	60.85	22.100		
8,600.00	6,956.19	6,614.00	6,580.51	59.33	30.39	-33.15	-412.33	317.13	1,439.07	1,377.99	61.08	23.561		
8,700.00	6,954.87	6,614.00	6,580.51	61.73	30.39	-33.15	-412.33	317.13	1,534.12	1,472.85	61.27	25.040		
8,800.00	6,953.56	6,614.00	6,580.51	64.16	30.39	-33.15	-412.33	317.13	1,629.76	1,568.33	61.42	26.534		

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 13N-6B-M
<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 13N-6B-M	<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		
8,900.00	6,952.24	6,614.00	6,580.51	66.63	30.39	-33.15	-412.33	317.13	1,725.89	1,664.34	61.55	28.040		
9,000.00	6,950.93	6,614.00	6,580.51	69.13	30.39	-33.15	-412.33	317.13	1,822.44	1,760.78	61.66	29.555		
9,100.00	6,949.61	6,614.00	6,580.51	71.65	30.39	-33.15	-412.33	317.13	1,919.34	1,857.59	61.76	31.079		
9,200.00	6,948.30	6,614.00	6,580.51	74.20	30.39	-33.15	-412.33	317.13	2,016.55	1,954.71	61.84	32.609		
9,300.00	6,946.98	6,576.12	6,543.55	76.77	30.27	-30.81	-412.69	308.85	2,112.55	2,050.80	61.75	34.214		
9,400.00	6,945.67	6,571.59	6,539.10	79.35	30.25	-30.55	-412.78	308.01	2,209.89	2,148.08	61.81	35.755		
9,500.00	6,944.35	6,567.35	6,534.93	81.95	30.24	-30.32	-412.87	307.25	2,307.42	2,245.55	61.86	37.298		
9,600.00	6,943.04	6,563.38	6,531.02	84.57	30.23	-30.10	-412.96	306.56	2,405.12	2,343.20	61.92	38.843		
9,700.00	6,941.73	6,559.65	6,527.35	87.21	30.21	-29.90	-413.06	305.93	2,502.97	2,441.00	61.97	40.389		
9,800.00	6,940.41	6,556.14	6,523.89	89.85	30.20	-29.71	-413.15	305.36	2,600.96	2,538.94	62.02	41.936		
9,900.00	6,939.10	6,519.00	6,487.09	92.51	30.08	-27.90	-414.48	300.50	2,700.19	2,638.22	61.97	43.571		
10,000.00	6,937.78	6,519.00	6,487.09	95.17	30.08	-27.90	-414.48	300.50	2,798.22	2,736.19	62.03	45.107		
10,100.00	6,936.47	6,519.00	6,487.09	97.85	30.08	-27.90	-414.48	300.50	2,896.39	2,834.29	62.09	46.645		
10,200.00	6,935.15	6,519.00	6,487.09	100.54	30.08	-27.90	-414.48	300.50	2,994.67	2,932.52	62.15	48.184		
10,300.00	6,933.84	6,519.00	6,487.09	103.23	30.08	-27.90	-414.48	300.50	3,093.07	3,030.86	62.21	49.724		
10,400.00	6,932.52	6,519.00	6,487.09	105.93	30.08	-27.90	-414.48	300.50	3,191.57	3,129.31	62.26	51.264		
10,500.00	6,931.21	6,519.00	6,487.09	108.64	30.08	-27.90	-414.48	300.50	3,290.15	3,227.84	62.31	52.804		
10,600.00	6,929.89	6,519.00	6,487.09	111.36	30.08	-27.90	-414.48	300.50	3,388.82	3,326.46	62.36	54.343		
10,700.00	6,928.58	6,519.00	6,487.09	114.08	30.08	-27.90	-414.48	300.50	3,487.57	3,425.16	62.41	55.882		
10,800.00	6,927.26	6,519.00	6,487.09	116.81	30.08	-27.90	-414.48	300.50	3,586.38	3,523.92	62.46	57.421		
10,900.00	6,925.95	6,519.00	6,487.09	119.54	30.08	-27.90	-414.48	300.50	3,685.26	3,622.75	62.51	58.958		
11,000.00	6,924.64	6,519.00	6,487.09	122.28	30.08	-27.90	-414.48	300.50	3,784.20	3,721.64	62.56	60.494		
11,100.00	6,923.32	6,519.00	6,487.09	125.02	30.08	-27.90	-414.48	300.50	3,883.19	3,820.59	62.60	62.028		
11,200.00	6,922.01	6,519.00	6,487.09	127.77	30.08	-27.90	-414.48	300.50	3,982.23	3,919.58	62.65	63.561		
11,300.00	6,920.69	6,519.00	6,487.09	130.52	30.08	-27.90	-414.48	300.50	4,081.32	4,018.62	62.70	65.092		
11,400.00	6,919.38	6,519.00	6,487.09	133.28	30.08	-27.90	-414.48	300.50	4,180.45	4,117.70	62.75	66.622		
11,500.00	6,918.06	6,519.00	6,487.09	136.04	30.08	-27.90	-414.48	300.50	4,279.63	4,216.83	62.80	68.149		
11,600.00	6,916.75	6,519.00	6,487.09	138.80	30.08	-27.90	-414.48	300.50	4,378.84	4,315.99	62.85	69.674		
11,700.00	6,915.43	6,519.00	6,487.09	141.56	30.08	-27.90	-414.48	300.50	4,478.08	4,415.18	62.90	71.196		
11,800.00	6,914.12	6,519.00	6,487.09	144.33	30.08	-27.90	-414.48	300.50	4,577.36	4,514.41	62.95	72.716		
11,900.00	6,912.80	6,519.00	6,487.09	147.10	30.08	-27.90	-414.48	300.50	4,676.67	4,613.67	63.00	74.234		
12,000.00	6,911.49	6,519.00	6,487.09	149.88	30.08	-27.90	-414.48	300.50	4,776.01	4,712.96	63.05	75.748		
12,100.00	6,910.17	6,519.00	6,487.09	152.65	30.08	-27.90	-414.48	300.50	4,875.37	4,812.27	63.10	77.260		
12,200.00	6,908.86	6,519.00	6,487.09	155.43	30.08	-27.90	-414.48	300.50	4,974.76	4,911.61	63.16	78.769		
12,300.00	6,907.54	6,519.00	6,487.09	158.21	30.08	-27.90	-414.48	300.50	5,074.18	5,010.97	63.21	80.275		
12,400.00	6,906.23	6,519.00	6,487.09	160.99	30.08	-27.90	-414.48	300.50	5,173.61	5,110.35	63.26	81.778		
12,500.00	6,904.92	6,519.00	6,487.09	163.78	30.08	-27.90	-414.48	300.50	5,273.07	5,209.75	63.32	83.278		
12,600.00	6,903.60	6,519.00	6,487.09	166.57	30.08	-27.90	-414.48	300.50	5,372.55	5,309.18	63.37	84.775		
12,700.00	6,902.29	6,519.00	6,487.09	169.35	30.08	-27.90	-414.48	300.50	5,472.05	5,408.62	63.43	86.268		
12,800.00	6,900.97	6,519.00	6,487.09	172.14	30.08	-27.90	-414.48	300.50	5,571.56	5,508.08	63.49	87.757		
12,900.00	6,899.66	6,519.00	6,487.09	174.94	30.08	-27.90	-414.48	300.50	5,671.10	5,607.55	63.55	89.243		
13,000.00	6,898.34	6,519.00	6,487.09	177.73	30.08	-27.90	-414.48	300.50	5,770.65	5,707.04	63.61	90.726		
13,100.00	6,897.03	6,519.00	6,487.09	180.53	30.08	-27.90	-414.48	300.50	5,870.21	5,806.54	63.66	92.205		
13,200.00	6,895.71	6,519.00	6,487.09	183.32	30.08	-27.90	-414.48	300.50	5,969.79	5,906.06	63.73	93.680		
13,300.00	6,894.40	6,519.00	6,487.09	186.12	30.08	-27.90	-414.48	300.50	6,069.38	6,005.59	63.79	95.151		
13,400.00	6,893.08	6,519.00	6,487.09	188.92	30.08	-27.90	-414.48	300.50	6,168.99	6,105.14	63.85	96.619		
13,500.00	6,891.77	6,519.00	6,487.09	191.72	30.08	-27.90	-414.48	300.50	6,268.60	6,204.69	63.91	98.083		
13,600.00	6,890.45	6,479.52	6,447.79	194.52	29.94	-26.21	-416.08	297.13	6,367.44	6,303.50	63.94	99.580		
13,700.00	6,889.14	6,478.26	6,446.53	197.32	29.94	-26.16	-416.12	297.04	6,467.03	6,403.03	64.01	101.037		
13,800.00	6,887.82	6,477.02	6,445.30	200.13	29.94	-26.11	-416.17	296.96	6,566.64	6,502.57	64.07	102.490		
13,900.00	6,886.51	6,475.82	6,444.11	202.93	29.93	-26.06	-416.21	296.88	6,666.25	6,602.11	64.14	103.938		
14,000.00	6,885.20	6,474.65	6,442.94	205.74	29.93	-26.01	-416.25	296.81	6,765.87	6,701.67	64.20	105.383		

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 13N-6B-M
<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 13N-6B-M	<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 #12-5-4NCHZ - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 39-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	
14,100.00	6,883.88	6,473.51	6,441.80	208.55	29.92	-25.97	-416.29	296.73	6,865.51	6,801.24	64.27	106.823	
14,200.00	6,882.57	6,472.40	6,440.69	211.35	29.92	-25.92	-416.33	296.66	6,965.15	6,900.81	64.34	108.259	
14,300.00	6,881.25	6,471.32	6,439.61	214.16	29.92	-25.88	-416.37	296.60	7,064.80	7,000.39	64.41	109.691	
14,400.00	6,879.94	6,470.26	6,438.55	216.97	29.91	-25.84	-416.41	296.53	7,164.46	7,099.98	64.48	111.118	
14,500.00	6,878.62	6,469.22	6,437.52	219.78	29.91	-25.80	-416.44	296.47	7,264.13	7,199.58	64.55	112.541	
14,600.00	6,877.31	6,468.21	6,436.52	222.59	29.90	-25.76	-416.48	296.41	7,363.80	7,299.19	64.62	113.960	
14,700.00	6,875.99	6,467.23	6,435.53	225.41	29.90	-25.72	-416.51	296.35	7,463.49	7,398.80	64.69	115.374	
14,800.00	6,874.68	6,466.26	6,434.57	228.22	29.90	-25.68	-416.55	296.30	7,563.18	7,498.42	64.76	116.784	
14,900.00	6,873.36	6,465.32	6,433.63	231.03	29.89	-25.64	-416.58	296.24	7,662.88	7,598.04	64.84	118.189	
15,000.00	6,872.05	6,464.40	6,432.71	233.85	29.89	-25.61	-416.61	296.19	7,762.58	7,697.67	64.91	119.590	
15,100.00	6,870.73	6,424.00	6,392.36	236.66	29.75	-24.11	-417.81	294.65	7,863.06	7,798.11	64.95	121.054	
15,200.00	6,869.42	6,424.00	6,392.36	239.48	29.75	-24.11	-417.81	294.65	7,962.75	7,897.71	65.03	122.445	
15,300.00	6,868.11	6,424.00	6,392.36	242.29	29.75	-24.11	-417.81	294.65	8,062.44	7,997.33	65.11	123.830	
15,400.00	6,866.79	6,424.00	6,392.36	245.11	29.75	-24.11	-417.81	294.65	8,162.14	8,096.95	65.19	125.211	
15,460.11	6,866.00	6,424.00	6,392.36	246.80	29.75	-24.11	-417.81	294.65	8,222.07	8,156.84	65.23	126.039	
15,460.74	6,865.99	6,424.00	6,392.36	246.82	29.75	-24.11	-417.81	294.65	8,222.69	8,157.46	65.23	126.048	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	80.87	83.80	521.39	528.13					
100.00	100.00	99.37	99.37	3.28	3.29	80.88	83.57	520.82	527.52	520.95	6.57	80.261		
200.00	200.00	202.58	202.56	3.34	3.32	80.92	82.94	519.12	525.79	519.13	6.66	78.950		
300.00	299.98	298.54	298.51	3.44	3.41	-18.21	83.20	517.64	522.65	515.80	6.85	76.248		
400.00	399.84	393.92	393.87	3.60	3.55	-18.61	84.81	516.80	517.09	509.95	7.15	72.364		
500.00	499.45	488.44	488.31	3.80	3.72	-19.38	88.51	516.35	509.06	501.53	7.52	67.651		
584.50	583.35	567.30	566.95	4.01	3.90	-20.44	94.27	516.40	500.79	492.88	7.91	63.331		
600.00	598.71	582.45	582.06	4.05	3.94	-20.67	95.55	516.44	499.14	491.15	7.99	62.494		
700.00	697.81	679.67	678.90	4.33	4.19	-22.18	104.03	516.72	488.81	480.29	8.52	57.374		
800.00	796.91	777.35	776.21	4.64	4.48	-23.75	112.60	517.32	479.16	470.05	9.12	52.566		
900.00	896.01	874.14	872.44	4.98	4.80	-25.60	122.92	517.51	470.05	460.28	9.77	48.133		
1,000.00	995.11	970.76	968.04	5.34	5.16	-27.97	136.89	517.13	462.12	451.65	10.47	44.132		
1,100.00	1,094.21	1,067.34	1,063.13	5.71	5.55	-30.78	153.66	515.69	455.13	443.90	11.23	40.535		
1,200.00	1,193.31	1,163.88	1,157.96	6.10	5.97	-33.83	171.74	514.00	449.68	437.65	12.02	37.398		
1,300.00	1,292.41	1,259.69	1,252.11	6.49	6.41	-36.88	189.40	512.39	445.54	432.69	12.84	34.690		
1,400.00	1,391.51	1,357.62	1,348.34	6.90	6.88	-40.04	207.54	510.96	443.02	429.34	13.69	32.367		
1,500.00	1,490.61	1,462.26	1,451.31	7.31	7.38	-43.38	225.93	508.82	440.93	426.36	14.57	30.265		
1,600.00	1,589.71	1,557.88	1,545.60	7.73	7.85	-46.39	241.66	506.20	439.01	423.59	15.42	28.472		
1,700.00	1,688.81	1,661.81	1,648.05	8.16	8.36	-49.71	258.90	503.32	438.51	422.20	16.31	26.888		
1,749.49	1,737.86	1,708.47	1,694.10	8.37	8.59	-51.18	266.18	501.66	438.16	421.43	16.73	26.191 CC, ES		
1,800.00	1,787.92	1,752.94	1,737.96	8.59	8.81	-52.59	273.43	500.35	438.58	421.44	17.14	25.585		
1,900.00	1,887.02	1,844.44	1,828.13	9.02	9.28	-55.43	288.89	498.72	441.62	423.65	17.97	24.576		
2,000.00	1,986.12	1,937.24	1,919.59	9.46	9.75	-58.14	304.60	498.45	446.89	428.10	18.79	23.778		
2,100.00	2,085.22	2,027.74	2,008.60	9.90	10.23	-60.76	320.93	498.59	454.44	434.84	19.60	23.187		
2,200.00	2,184.32	2,130.16	2,109.12	10.34	10.78	-63.76	340.58	498.20	463.75	443.26	20.48	22.640		
2,300.00	2,283.42	2,241.51	2,218.64	10.78	11.37	-67.06	360.36	495.10	471.80	450.37	21.42	22.021		
2,400.00	2,382.52	2,325.02	2,300.70	11.23	11.82	-69.56	375.48	491.76	480.79	458.61	22.18	21.676		
2,500.00	2,481.62	2,422.96	2,396.71	11.68	12.37	-72.40	394.55	488.54	492.52	469.49	23.03	21.385		
2,600.00	2,580.72	2,519.73	2,491.79	12.13	12.90	-74.92	412.42	486.39	504.89	481.02	23.87	21.154		
2,700.00	2,679.82	2,603.89	2,574.39	12.58	13.36	-76.91	428.52	485.72	519.33	494.74	24.59	21.119		
2,800.00	2,778.92	2,698.59	2,667.09	13.03	13.90	-78.97	447.92	486.09	536.17	510.77	25.40	21.105		
2,900.00	2,878.02	2,797.13	2,763.52	13.48	14.47	-81.07	468.15	485.67	553.55	527.29	26.26	21.082		
3,000.00	2,977.12	2,896.49	2,860.79	13.94	15.04	-83.16	488.40	484.13	571.18	544.06	27.12	21.061		
3,100.00	3,076.22	2,995.36	2,957.64	14.39	15.60	-85.13	508.17	482.33	589.06	561.08	27.98	21.053		
3,200.00	3,175.32	3,095.52	3,055.86	14.85	16.17	-87.04	527.73	480.18	607.07	578.21	28.85	21.039		
3,300.00	3,274.43	3,197.11	3,155.63	15.30	16.75	-88.81	546.74	478.33	624.92	595.18	29.74	21.011		
3,400.00	3,373.53	3,295.73	3,252.57	15.76	17.29	-90.45	564.75	476.36	642.82	612.22	30.60	21.005		
3,500.00	3,472.63	3,395.03	3,350.29	16.22	17.84	-91.88	582.36	475.76	660.81	629.34	31.48	20.995		
3,600.00	3,571.73	3,493.07	3,446.81	16.68	18.38	-93.18	599.53	475.66	679.00	646.67	32.34	20.997		
3,700.00	3,670.83	3,594.40	3,546.63	17.14	18.93	-94.46	616.97	475.37	697.20	663.97	33.23	20.980		
3,800.00	3,769.93	3,688.44	3,639.35	17.59	19.44	-95.63	632.65	474.67	715.16	681.10	34.06	20.995		
3,900.00	3,869.03	3,771.19	3,720.68	18.05	19.91	-96.59	647.92	474.25	735.15	700.36	34.79	21.133		
4,000.00	3,968.13	3,863.75	3,811.45	18.51	20.44	-97.63	666.02	473.67	756.51	720.90	35.61	21.244		
4,100.00	4,067.23	3,960.97	3,906.73	18.98	21.00	-98.70	685.29	472.57	778.40	741.91	36.48	21.335		
4,200.00	4,166.33	4,063.61	4,007.44	19.44	21.59	-99.82	705.02	470.66	799.96	762.55	37.42	21.380		
4,300.00	4,265.43	4,164.25	4,106.27	19.90	22.16	-100.88	723.91	468.49	821.36	783.04	38.33	21.429		
4,400.00	4,364.53	4,262.02	4,202.39	20.36	22.71	-101.92	741.54	465.56	842.34	803.13	39.21	21.482		
4,500.00	4,463.63	4,354.83	4,293.52	20.82	23.24	-102.71	759.08	464.94	864.20	824.15	40.05	21.578		
4,600.00	4,562.73	4,456.79	4,393.72	21.28	23.82	-103.53	777.97	464.36	885.85	844.87	40.98	21.615		
4,700.00	4,661.83	4,556.64	4,491.91	21.75	24.38	-104.35	796.08	463.11	907.36	865.47	41.90	21.658		
4,800.00	4,760.93	4,652.47	4,586.19	22.21	24.91	-105.12	813.12	461.41	928.74	885.97	42.77	21.715		
4,900.00	4,860.04	4,750.17	4,682.23	22.67	25.46	-105.79	831.03	461.08	950.62	906.96	43.66	21.771		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	4,850.51	4,780.98	23.13	26.02	-106.46	848.88	460.50	972.12	927.54	44.59	21.803		
5,100.00	5,058.24	4,951.33	4,880.22	23.60	26.58	-107.14	866.55	459.32	993.59	948.07	45.51	21.831		
5,200.00	5,157.34	5,059.91	4,987.27	24.06	27.18	-107.88	884.69	457.72	1,014.43	967.92	46.51	21.811		
5,300.00	5,256.44	5,144.55	5,070.74	24.52	27.64	-108.39	898.68	457.01	1,035.13	987.85	47.28	21.891		
5,400.00	5,355.54	5,241.45	5,166.11	24.99	28.18	-108.99	915.76	455.51	1,057.11	1,008.93	48.18	21.942		
5,500.00	5,454.64	5,329.45	5,252.77	25.45	28.67	-109.55	930.97	453.54	1,079.03	1,030.05	48.98	22.029		
5,600.00	5,553.74	5,423.37	5,345.06	25.92	29.20	-110.12	948.21	451.19	1,102.11	1,052.26	49.85	22.110		
5,700.00	5,652.84	5,534.19	5,454.05	26.38	29.82	-110.68	968.19	450.39	1,124.61	1,073.73	50.88	22.101		
5,800.00	5,751.94	5,643.83	5,562.16	26.84	30.42	-111.26	986.37	448.84	1,145.95	1,094.05	51.90	22.080		
5,900.00	5,851.04	5,792.44	5,709.38	27.31	31.18	-112.06	1,006.49	446.66	1,164.34	1,111.13	53.21	21.882		
6,000.00	5,950.14	5,973.42	5,889.64	27.77	31.98	-113.15	1,021.54	443.16	1,178.50	1,123.95	54.55	21.605		
6,100.00	6,049.24	6,141.66	6,057.85	28.24	32.58	-114.15	1,023.35	442.74	1,184.68	1,129.12	55.56	21.322		
6,200.00	6,148.34	6,231.26	6,147.44	28.70	32.86	-114.69	1,022.64	442.85	1,189.44	1,133.05	56.39	21.093		
6,304.69	6,252.09	6,343.08	6,259.25	29.19	33.22	-115.30	1,021.77	444.03	1,194.28	1,137.00	57.28	20.850		
6,350.00	6,297.17	6,384.11	6,300.28	29.39	33.36	-127.65	1,021.59	444.91	1,196.04	1,138.39	57.65	20.745		
6,400.00	6,347.13	6,438.88	6,355.00	29.59	33.55	130.87	1,021.70	446.88	1,197.15	1,139.09	58.06	20.619		
6,450.00	6,397.02	6,504.56	6,420.24	29.78	33.77	91.27	1,022.54	454.19	1,196.76	1,138.30	58.46	20.472		
6,500.00	6,446.53	6,559.03	6,473.19	29.96	33.96	85.74	1,024.48	466.58	1,195.09	1,136.23	58.86	20.304		
6,550.00	6,495.35	6,606.00	6,516.94	30.14	34.13	84.62	1,027.60	483.32	1,192.78	1,133.53	59.25	20.131		
6,600.00	6,543.19	6,661.45	6,567.77	30.33	34.32	85.22	1,031.28	505.18	1,190.11	1,130.44	59.67	19.946		
6,650.00	6,589.76	6,714.49	6,616.70	30.52	34.51	86.43	1,033.89	525.48	1,187.20	1,127.13	60.07	19.765		
6,700.00	6,634.75	6,920.55	6,794.85	30.71	35.07	94.43	1,031.34	626.18	1,182.67	1,122.44	60.24	19.634		
6,750.00	6,677.90	6,936.45	6,807.00	30.91	35.10	95.21	1,030.36	636.39	1,177.69	1,116.89	60.80	19.371		
6,800.00	6,718.94	6,947.03	6,814.97	31.13	35.12	95.67	1,029.74	643.32	1,174.81	1,113.47	61.34	19.153		
6,838.25	6,748.76	6,952.34	6,818.93	31.30	35.13	95.81	1,029.44	646.83	1,174.13	1,112.40	61.73	19.020		
6,850.00	6,757.62	6,953.52	6,819.82	31.36	35.14	95.81	1,029.38	647.63	1,174.19	1,112.35	61.85	18.986		
6,900.00	6,793.70	6,956.48	6,822.01	31.61	35.14	95.62	1,029.22	649.60	1,175.92	1,113.61	62.31	18.871		
6,950.00	6,826.95	6,956.35	6,821.92	31.88	35.14	95.11	1,029.22	649.52	1,180.01	1,117.26	62.75	18.806		
7,000.00	6,857.18	6,953.57	6,819.85	32.19	35.14	94.28	1,029.38	647.65	1,186.40	1,123.25	63.15	18.786 SF		
7,050.00	6,884.18	6,948.47	6,816.05	32.52	35.13	93.16	1,029.66	644.27	1,194.99	1,131.46	63.53	18.809		
7,100.00	6,907.81	6,941.36	6,810.72	32.90	35.11	91.77	1,030.07	639.60	1,205.64	1,141.74	63.90	18.866		
7,150.00	6,927.91	6,932.00	6,803.62	33.32	35.09	90.11	1,030.63	633.51	1,218.18	1,153.91	64.27	18.955		
7,200.00	6,944.36	6,921.62	6,795.68	33.77	35.07	88.27	1,031.27	626.87	1,232.39	1,167.75	64.64	19.065		
7,250.00	6,957.05	6,909.32	6,786.14	34.27	35.05	86.21	1,032.07	619.12	1,248.05	1,183.03	65.02	19.195		
7,300.00	6,965.92	6,895.79	6,775.53	34.80	35.02	84.02	1,032.97	610.78	1,264.93	1,199.53	65.41	19.339		
7,350.00	6,970.89	6,878.89	6,762.08	35.37	34.98	81.63	1,034.14	600.63	1,282.79	1,217.00	65.79	19.497		
7,396.89	6,972.00	6,856.53	6,743.82	35.93	34.93	79.12	1,035.49	587.79	1,300.11	1,233.98	66.13	19.660		
7,400.00	6,971.96	6,855.06	6,742.60	35.97	34.93	79.07	1,035.57	586.97	1,301.27	1,235.12	66.15	19.671		
7,500.00	6,970.65	6,792.09	6,688.17	37.28	34.76	76.60	1,036.97	555.47	1,340.81	1,274.03	66.77	20.080		
7,600.00	6,969.33	6,759.96	6,658.92	38.76	34.66	75.28	1,036.04	542.23	1,384.69	1,317.06	67.63	20.474		
7,700.00	6,968.02	6,724.31	6,625.82	40.39	34.54	73.78	1,034.42	529.07	1,433.38	1,364.90	68.48	20.933		
7,800.00	6,966.70	6,645.93	6,553.51	42.15	34.27	70.59	1,030.35	499.12	1,485.76	1,416.92	68.84	21.582		
7,900.00	6,965.39	6,600.00	6,511.46	44.02	34.11	68.77	1,027.14	480.92	1,540.78	1,471.28	69.50	22.169		
8,000.00	6,964.07	6,600.00	6,511.46	45.99	34.11	68.77	1,027.14	480.92	1,599.89	1,529.30	70.58	22.668		
8,100.00	6,962.76	6,600.00	6,511.46	48.05	34.11	68.77	1,027.14	480.92	1,662.91	1,591.35	71.56	23.237		
8,200.00	6,961.45	6,600.00	6,511.46	50.19	34.11	68.77	1,027.14	480.92	1,729.43	1,656.97	72.45	23.870		
8,300.00	6,960.13	6,600.00	6,511.46	52.39	34.11	68.77	1,027.14	480.92	1,799.04	1,725.79	73.25	24.560		
8,400.00	6,958.82	6,558.37	6,472.57	54.65	33.96	67.11	1,024.45	466.39	1,868.85	1,795.19	73.66	25.372		
8,500.00	6,957.50	6,553.02	6,467.46	56.97	33.94	66.90	1,024.18	464.84	1,942.95	1,868.66	74.28	26.156		
8,600.00	6,956.19	6,548.12	6,462.75	59.33	33.92	66.71	1,023.95	463.48	2,019.20	1,944.36	74.85	26.977		
8,700.00	6,954.87	6,543.63	6,458.42	61.73	33.91	66.53	1,023.75	462.30	2,097.39	2,022.04	75.36	27.833		
8,800.00	6,953.56	6,505.00	6,420.68	64.16	33.77	64.99	1,022.55	454.26	2,179.11	2,103.53	75.58	28.830		

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 13N-6B-M
<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 13N-6B-M	<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		
8,900.00	6,952.24	6,505.00	6,420.68	66.63	33.77	64.99	1,022.55	454.26	2,260.21	2,184.18	76.03	29.727		
9,000.00	6,950.93	6,505.00	6,420.68	69.13	33.77	64.99	1,022.55	454.26	2,342.78	2,266.34	76.44	30.650		
9,100.00	6,949.61	6,505.00	6,420.68	71.65	33.77	64.99	1,022.55	454.26	2,426.65	2,349.86	76.80	31.599		
9,200.00	6,948.30	6,505.00	6,420.68	74.20	33.77	64.99	1,022.55	454.26	2,511.71	2,434.59	77.12	32.569		
9,300.00	6,946.98	6,505.00	6,420.68	76.77	33.77	64.99	1,022.55	454.26	2,597.83	2,520.42	77.41	33.559		
9,400.00	6,945.67	6,505.00	6,420.68	79.35	33.77	64.99	1,022.55	454.26	2,684.91	2,607.24	77.67	34.566		
9,500.00	6,944.35	6,505.00	6,420.68	81.95	33.77	64.99	1,022.55	454.26	2,772.87	2,694.96	77.91	35.589		
9,600.00	6,943.04	6,505.00	6,420.68	84.57	33.77	64.99	1,022.55	454.26	2,861.62	2,783.49	78.13	36.627		
9,700.00	6,941.73	6,505.00	6,420.68	87.21	33.77	64.99	1,022.55	454.26	2,951.08	2,872.76	78.33	37.677		
9,800.00	6,940.41	6,505.00	6,420.68	89.85	33.77	64.99	1,022.55	454.26	3,041.21	2,962.70	78.51	38.739		
9,900.00	6,939.10	6,505.00	6,420.68	92.51	33.77	64.99	1,022.55	454.26	3,131.93	3,053.26	78.67	39.811		
10,000.00	6,937.78	6,505.00	6,420.68	95.17	33.77	64.99	1,022.55	454.26	3,223.20	3,144.38	78.82	40.892		
10,100.00	6,936.47	6,505.00	6,420.68	97.85	33.77	64.99	1,022.55	454.26	3,314.97	3,236.01	78.96	41.982		
10,200.00	6,935.15	6,505.00	6,420.68	100.54	33.77	64.99	1,022.55	454.26	3,407.21	3,328.12	79.09	43.080		
10,300.00	6,933.84	6,505.00	6,420.68	103.23	33.77	64.99	1,022.55	454.26	3,499.88	3,420.66	79.21	44.184		
10,400.00	6,932.52	6,505.00	6,420.68	105.93	33.77	64.99	1,022.55	454.26	3,592.93	3,513.61	79.32	45.295		
10,500.00	6,931.21	6,505.00	6,420.68	108.64	33.77	64.99	1,022.55	454.26	3,686.35	3,606.93	79.43	46.412		
10,600.00	6,929.89	6,505.00	6,420.68	111.36	33.77	64.99	1,022.55	454.26	3,780.11	3,700.59	79.53	47.534		
10,700.00	6,928.58	6,505.00	6,420.68	114.08	33.77	64.99	1,022.55	454.26	3,874.18	3,794.57	79.62	48.660		
10,800.00	6,927.26	6,505.00	6,420.68	116.81	33.77	64.99	1,022.55	454.26	3,968.54	3,888.84	79.70	49.791		
10,900.00	6,925.95	6,505.00	6,420.68	119.54	33.77	64.99	1,022.55	454.26	4,063.17	3,983.39	79.79	50.925		
11,000.00	6,924.64	6,505.00	6,420.68	122.28	33.77	64.99	1,022.55	454.26	4,158.05	4,078.19	79.87	52.063		
11,100.00	6,923.32	6,505.00	6,420.68	125.02	33.77	64.99	1,022.55	454.26	4,253.17	4,173.23	79.94	53.204		
11,200.00	6,922.01	6,505.00	6,420.68	127.77	33.77	64.99	1,022.55	454.26	4,348.50	4,268.49	80.01	54.348		
11,300.00	6,920.69	6,505.00	6,420.68	130.52	33.77	64.99	1,022.55	454.26	4,444.04	4,363.96	80.08	55.494		
11,400.00	6,919.38	6,505.00	6,420.68	133.28	33.77	64.99	1,022.55	454.26	4,539.78	4,459.63	80.15	56.642		
11,500.00	6,918.06	6,505.00	6,420.68	136.04	33.77	64.99	1,022.55	454.26	4,635.69	4,555.48	80.21	57.793		
11,600.00	6,916.75	6,505.00	6,420.68	138.80	33.77	64.99	1,022.55	454.26	4,731.77	4,651.50	80.27	58.945		
11,700.00	6,915.43	6,505.00	6,420.68	141.56	33.77	64.99	1,022.55	454.26	4,828.01	4,747.68	80.34	60.098		
11,800.00	6,914.12	6,505.00	6,420.68	144.33	33.77	64.99	1,022.55	454.26	4,924.40	4,844.01	80.39	61.253		
11,900.00	6,912.80	6,505.00	6,420.68	147.10	33.77	64.99	1,022.55	454.26	5,020.93	4,940.48	80.45	62.409		
12,000.00	6,911.49	6,505.00	6,420.68	149.88	33.77	64.99	1,022.55	454.26	5,117.60	5,037.09	80.51	63.566		
12,100.00	6,910.17	6,464.09	6,380.12	152.65	33.63	63.38	1,021.92	448.99	5,213.07	5,132.59	80.49	64.771		
12,200.00	6,908.86	6,462.73	6,378.76	155.43	33.63	63.33	1,021.91	448.85	5,309.89	5,229.35	80.54	65.930		
12,300.00	6,907.54	6,461.40	6,377.45	158.21	33.62	63.28	1,021.89	448.72	5,406.83	5,326.24	80.59	67.089		
12,400.00	6,906.23	6,460.12	6,376.17	160.99	33.62	63.23	1,021.88	448.60	5,503.87	5,423.23	80.64	68.249		
12,500.00	6,904.92	6,458.88	6,374.94	163.78	33.61	63.18	1,021.87	448.48	5,601.01	5,520.32	80.70	69.409		
12,600.00	6,903.60	6,457.68	6,373.74	166.57	33.61	63.13	1,021.86	448.37	5,698.26	5,617.51	80.75	70.569		
12,700.00	6,902.29	6,456.52	6,372.58	169.35	33.61	63.09	1,021.84	448.26	5,795.59	5,714.79	80.80	71.729		
12,800.00	6,900.97	6,455.39	6,371.46	172.14	33.60	63.04	1,021.83	448.16	5,893.01	5,812.16	80.85	72.889		
12,900.00	6,899.66	6,454.29	6,370.37	174.94	33.60	63.00	1,021.82	448.07	5,990.51	5,909.61	80.90	74.049		
13,000.00	6,898.34	6,453.23	6,369.31	177.73	33.59	62.96	1,021.81	447.97	6,088.09	6,007.14	80.95	75.208		
13,100.00	6,897.03	6,452.19	6,368.28	180.53	33.59	62.92	1,021.80	447.89	6,185.75	6,104.75	81.00	76.367		
13,200.00	6,895.71	6,410.00	6,326.15	183.32	33.45	61.31	1,021.58	445.55	6,284.79	6,203.82	80.98	77.611		
13,300.00	6,894.40	6,410.00	6,326.15	186.12	33.45	61.31	1,021.58	445.55	6,382.53	6,301.50	81.03	78.766		
13,400.00	6,893.08	6,410.00	6,326.15	188.92	33.45	61.31	1,021.58	445.55	6,480.33	6,399.25	81.08	79.921		
13,500.00	6,891.77	6,410.00	6,326.15	191.72	33.45	61.31	1,021.58	445.55	6,578.20	6,497.07	81.14	81.074		
13,600.00	6,890.45	6,410.00	6,326.15	194.52	33.45	61.31	1,021.58	445.55	6,676.14	6,594.95	81.19	82.227		
13,700.00	6,889.14	6,410.00	6,326.15	197.32	33.45	61.31	1,021.58	445.55	6,774.13	6,692.89	81.24	83.379		
13,800.00	6,887.82	6,410.00	6,326.15	200.13	33.45	61.31	1,021.58	445.55	6,872.18	6,790.88	81.30	84.530		
13,900.00	6,886.51	6,410.00	6,326.15	202.93	33.45	61.31	1,021.58	445.55	6,970.29	6,888.94	81.35	85.681		
14,000.00	6,885.20	6,410.00	6,326.15	205.74	33.45	61.31	1,021.58	445.55	7,068.45	6,987.04	81.41	86.830		

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 13N-6B-M
<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 13N-6B-M	<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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	6,883.88	6,410.00	6,326.15	208.55	33.45	61.31	1,021.58	445.55	7,166.66	7,085.20	81.46	87.977	
14,200.00	6,882.57	6,410.00	6,326.15	211.35	33.45	61.31	1,021.58	445.55	7,264.92	7,183.41	81.51	89.124	
14,300.00	6,881.25	6,410.00	6,326.15	214.16	33.45	61.31	1,021.58	445.55	7,363.23	7,281.66	81.57	90.270	
14,400.00	6,879.94	6,410.00	6,326.15	216.97	33.45	61.31	1,021.58	445.55	7,461.58	7,379.95	81.62	91.414	
14,500.00	6,878.62	6,410.00	6,326.15	219.78	33.45	61.31	1,021.58	445.55	7,559.97	7,478.29	81.68	92.556	
14,600.00	6,877.31	6,410.00	6,326.15	222.59	33.45	61.31	1,021.58	445.55	7,658.41	7,576.67	81.74	93.698	
14,700.00	6,875.99	6,410.00	6,326.15	225.41	33.45	61.31	1,021.58	445.55	7,756.89	7,675.09	81.79	94.837	
14,800.00	6,874.68	6,410.00	6,326.15	228.22	33.45	61.31	1,021.58	445.55	7,855.40	7,773.55	81.85	95.976	
14,900.00	6,873.36	6,410.00	6,326.15	231.03	33.45	61.31	1,021.58	445.55	7,953.95	7,872.05	81.90	97.112	
15,000.00	6,872.05	6,410.00	6,326.15	233.85	33.45	61.31	1,021.58	445.55	8,052.54	7,970.58	81.96	98.247	
15,100.00	6,870.73	6,410.00	6,326.15	236.66	33.45	61.31	1,021.58	445.55	8,151.16	8,069.14	82.02	99.381	
15,200.00	6,869.42	6,410.00	6,326.15	239.48	33.45	61.31	1,021.58	445.55	8,249.82	8,167.74	82.08	100.512	
15,300.00	6,868.11	6,410.00	6,326.15	242.29	33.45	61.31	1,021.58	445.55	8,348.51	8,266.37	82.14	101.642	
15,400.00	6,866.79	6,410.00	6,326.15	245.11	33.45	61.31	1,021.58	445.55	8,447.22	8,365.03	82.20	102.770	
15,460.11	6,866.00	6,410.00	6,326.15	246.80	33.45	61.31	1,021.58	445.55	8,506.58	8,424.35	82.23	103.448	
15,460.74	6,865.99	6,410.00	6,326.15	246.82	33.45	61.31	1,021.58	445.55	8,507.20	8,424.96	82.23	103.455	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	82.45	68.86	519.72	524.31					
100.00	100.00	93.55	93.55	3.28	3.29	82.47	68.73	519.69	524.22	517.65	6.57	79.776		
200.00	200.00	195.11	195.11	3.34	3.32	82.51	68.27	519.56	524.03	517.38	6.65	78.752		
300.00	299.98	298.89	298.89	3.44	3.41	-16.47	67.40	518.86	521.58	514.72	6.86	76.051		
400.00	399.84	398.21	398.19	3.60	3.56	-16.61	66.75	517.77	515.39	508.23	7.16	71.983		
500.00	499.45	501.25	501.22	3.80	3.76	-16.91	66.11	516.52	505.76	498.20	7.56	66.860		
584.50	583.35	585.69	585.65	4.01	3.95	-17.27	65.48	515.03	494.58	486.61	7.96	62.100		
600.00	598.71	601.06	601.02	4.05	3.99	-17.34	65.39	514.75	492.31	484.26	8.05	61.192		
700.00	697.81	695.09	695.04	4.33	4.24	-17.80	65.31	513.41	478.13	469.58	8.56	55.867		
800.00	796.91	796.50	796.44	4.64	4.52	-18.42	65.97	512.18	464.32	455.17	9.15	50.765		
900.00	896.01	892.94	892.84	4.98	4.82	-19.19	67.68	510.79	450.52	440.76	9.76	46.150		
1,000.00	995.11	989.33	989.17	5.34	5.12	-20.23	71.14	509.60	437.36	426.95	10.41	42.002		
1,100.00	1,094.21	1,083.87	1,083.59	5.71	5.43	-21.46	75.82	508.94	425.15	414.06	11.09	38.334		
1,200.00	1,193.31	1,178.31	1,177.86	6.10	5.76	-22.86	81.46	509.08	414.22	402.43	11.80	35.114		
1,300.00	1,292.41	1,279.89	1,279.22	6.49	6.12	-24.54	88.15	509.21	403.73	391.18	12.55	32.170		
1,400.00	1,391.51	1,377.19	1,376.19	6.90	6.49	-26.47	96.05	508.61	393.32	380.01	13.32	29.539		
1,500.00	1,490.61	1,473.11	1,471.40	7.31	6.87	-29.02	107.57	507.36	384.06	369.96	14.11	27.228		
1,600.00	1,589.71	1,573.36	1,570.56	7.73	7.28	-32.21	122.11	505.13	375.79	360.86	14.94	25.158		
1,700.00	1,688.81	1,675.13	1,671.19	8.16	7.72	-35.67	136.93	501.68	367.72	351.93	15.80	23.279		
1,800.00	1,787.92	1,776.81	1,771.77	8.59	8.17	-39.27	151.13	497.12	359.78	343.11	16.67	21.581		
1,900.00	1,887.02	1,873.47	1,867.50	9.02	8.60	-42.74	163.74	492.57	352.56	335.02	17.54	20.102		
2,000.00	1,986.12	1,962.94	1,956.07	9.46	9.00	-46.00	175.99	489.60	348.21	329.83	18.38	18.946		
2,100.00	2,085.22	2,064.33	2,056.49	9.90	9.47	-49.70	189.73	486.80	345.64	326.37	19.27	17.934		
2,200.00	2,184.32	2,164.29	2,155.63	10.34	9.93	-53.28	202.16	483.89	343.60	323.45	20.16	17.045		
2,300.00	2,283.42	2,262.64	2,253.28	10.78	10.38	-56.72	213.51	481.04	342.27	321.23	21.04	16.271		
2,322.97	2,306.19	2,284.12	2,274.58	10.89	10.48	-57.50	216.14	480.32	342.20	320.97	21.23	16.117 CC, ES		
2,400.00	2,382.52	2,354.63	2,344.39	11.23	10.82	-60.21	225.69	477.62	343.06	321.18	21.88	15.681		
2,500.00	2,481.62	2,447.41	2,436.01	11.68	11.27	-63.83	240.00	474.64	347.34	324.63	22.71	15.292		
2,600.00	2,580.72	2,546.29	2,533.73	12.13	11.75	-67.59	254.67	471.00	352.47	328.88	23.59	14.942		
2,700.00	2,679.82	2,633.44	2,619.64	12.58	12.19	-70.78	269.14	468.85	361.16	336.81	24.35	14.832		
2,800.00	2,778.92	2,731.27	2,715.87	13.03	12.69	-74.29	286.56	466.23	372.27	347.06	25.20	14.771		
2,900.00	2,878.02	2,829.22	2,812.25	13.48	13.20	-77.70	303.64	462.76	384.09	358.04	26.05	14.744		
3,000.00	2,977.12	2,923.42	2,905.02	13.94	13.69	-80.49	319.96	461.59	397.74	370.88	26.86	14.810		
3,100.00	3,076.22	3,023.23	3,003.35	14.39	14.20	-83.20	337.09	460.62	412.25	384.53	27.72	14.871		
3,200.00	3,175.32	3,124.89	3,103.60	14.85	14.73	-85.89	353.80	458.56	426.68	398.07	28.61	14.915		
3,300.00	3,274.43	3,225.96	3,203.39	15.30	15.25	-88.47	369.57	455.64	440.98	411.50	29.48	14.956		
3,400.00	3,373.53	3,323.72	3,299.97	15.76	15.75	-90.89	384.29	452.15	455.46	425.14	30.33	15.018		
3,500.00	3,472.63	3,422.14	3,397.24	16.22	16.25	-93.04	399.09	449.71	470.78	439.60	31.18	15.099		
3,600.00	3,571.73	3,515.80	3,489.82	16.68	16.73	-95.02	413.01	446.93	486.52	454.54	31.98	15.213		
3,700.00	3,670.83	3,611.09	3,583.87	17.14	17.23	-96.72	428.27	445.79	503.98	471.17	32.80	15.364		
3,800.00	3,769.93	3,709.42	3,680.97	17.59	17.74	-98.42	443.67	443.99	521.53	487.87	33.66	15.492		
3,900.00	3,869.03	3,803.71	3,774.02	18.05	18.23	-100.03	458.64	441.52	539.76	505.28	34.48	15.655		
4,000.00	3,968.13	3,898.77	3,867.73	18.51	18.74	-101.64	474.24	438.12	558.99	523.68	35.31	15.833		
4,100.00	4,067.23	3,996.86	3,964.41	18.98	19.26	-103.27	490.30	433.85	578.69	542.52	36.17	15.999		
4,200.00	4,166.33	4,100.41	4,066.56	19.44	19.81	-104.92	506.59	429.04	598.23	561.12	37.10	16.124		
4,300.00	4,265.43	4,205.81	4,170.75	19.90	20.35	-106.50	521.69	424.14	616.79	578.74	38.05	16.210		
4,400.00	4,364.53	4,308.20	4,272.12	20.36	20.87	-108.00	535.13	418.89	634.65	595.68	38.96	16.289		
4,500.00	4,463.63	4,407.46	4,370.48	20.82	21.37	-109.28	547.85	415.00	652.34	612.50	39.84	16.374		
4,600.00	4,562.73	4,528.64	4,490.84	21.28	21.97	-110.60	561.61	412.43	668.56	627.64	40.92	16.337		
4,700.00	4,661.83	4,641.17	4,602.93	21.75	22.48	-111.71	571.39	411.27	682.18	640.28	41.90	16.282		
4,800.00	4,760.93	4,759.51	4,721.02	22.21	23.00	-112.94	578.74	409.47	693.77	650.88	42.88	16.177		
4,900.00	4,860.04	4,888.42	4,849.88	22.67	23.52	-114.33	581.74	407.60	701.82	657.96	43.86	16.000		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	4,983.98	4,945.43	23.13	23.88	-115.37	582.04	406.34	708.16	663.45	44.71	15.839		
5,100.00	5,058.24	5,081.95	5,043.39	23.60	24.26	-116.40	582.69	405.04	715.08	669.51	45.57	15.692		
5,200.00	5,157.34	5,182.90	5,144.32	24.06	24.66	-117.48	583.16	403.35	722.15	675.71	46.44	15.552		
5,300.00	5,256.44	5,280.21	5,241.62	24.52	25.03	-118.52	583.53	401.42	729.50	682.21	47.29	15.426		
5,400.00	5,355.54	5,382.68	5,344.07	24.99	25.43	-119.61	583.62	399.41	736.81	688.64	48.16	15.299		
5,500.00	5,454.64	5,477.42	5,438.79	25.45	25.80	-120.58	583.76	397.61	744.41	695.40	49.01	15.190		
5,600.00	5,553.74	5,571.35	5,532.70	25.92	26.17	-121.50	584.85	395.91	753.10	703.25	49.85	15.107		
5,700.00	5,652.84	5,680.85	5,642.18	26.38	26.61	-122.37	586.10	396.45	761.06	710.30	50.76	14.995		
5,800.00	5,751.94	5,774.00	5,735.28	26.84	26.97	-122.92	588.08	398.98	769.16	717.56	51.60	14.907		
5,900.00	5,851.04	5,872.94	5,834.15	27.31	27.37	-123.50	590.89	401.30	778.15	725.69	52.46	14.832		
6,000.00	5,950.14	5,978.26	5,939.46	27.77	27.79	-124.37	591.33	401.04	786.14	732.78	53.35	14.735		
6,100.00	6,049.24	6,070.26	6,031.45	28.24	28.15	-125.16	591.77	400.02	794.73	740.54	54.19	14.666		
6,200.00	6,148.34	6,191.06	6,152.24	28.70	28.63	-126.18	592.19	398.54	803.62	748.49	55.13	14.577		
6,304.69	6,252.09	6,294.77	6,255.92	29.19	29.01	-126.97	590.35	399.58	809.89	753.87	56.02	14.457		
6,350.00	6,297.17	6,351.72	6,312.82	29.39	29.23	-129.35	590.60	401.99	812.17	755.74	56.43	14.392		
6,400.00	6,347.13	6,445.89	6,406.20	29.59	29.57	119.99	591.19	413.58	811.29	754.44	56.85	14.270		
6,450.00	6,397.02	6,561.12	6,516.78	29.78	29.96	82.88	592.18	445.54	805.34	748.36	56.99	14.132		
6,500.00	6,446.53	6,638.49	6,588.19	29.96	30.20	79.79	591.37	475.24	795.19	738.00	57.19	13.905		
6,550.00	6,495.35	6,690.67	6,634.62	30.14	30.36	80.59	591.23	499.02	783.73	726.14	57.59	13.609		
6,600.00	6,543.19	6,761.34	6,694.55	30.33	30.55	84.26	591.10	536.43	771.51	713.64	57.87	13.333		
6,650.00	6,589.76	6,806.71	6,730.80	30.52	30.67	87.48	590.60	563.68	759.29	700.90	58.39	13.004		
6,700.00	6,634.75	6,833.68	6,751.54	30.71	30.73	89.78	590.29	580.92	748.71	689.65	59.06	12.677		
6,750.00	6,677.90	6,852.65	6,765.76	30.91	30.78	91.53	590.09	593.46	740.56	680.81	59.75	12.395		
6,800.00	6,718.94	6,864.97	6,774.84	31.13	30.81	92.64	589.97	601.80	735.34	674.96	60.38	12.178		
6,850.00	6,757.62	6,871.80	6,779.81	31.36	30.83	93.12	589.91	606.48	733.39	672.47	60.92	12.038		
6,853.59	6,760.31	6,872.11	6,780.04	31.38	30.83	93.13	589.91	606.69	733.38	672.42	60.96	12.031		
6,900.00	6,793.70	6,874.09	6,781.47	31.61	30.84	92.99	589.89	608.06	734.87	673.52	61.35	11.978 SF		
6,950.00	6,826.95	6,872.59	6,780.38	31.88	30.83	92.29	589.90	607.02	739.79	678.13	61.66	11.998		
7,000.00	6,857.18	6,867.93	6,777.00	32.19	30.82	91.06	589.94	603.83	748.03	686.17	61.87	12.091		
7,050.00	6,884.18	6,860.63	6,771.66	32.52	30.80	89.36	590.01	598.85	759.37	697.39	61.99	12.251		
7,100.00	6,907.81	6,851.10	6,764.61	32.90	30.78	87.25	590.11	592.42	773.51	711.46	62.05	12.466		
7,150.00	6,927.91	6,839.66	6,756.06	33.32	30.75	84.78	590.22	584.84	790.09	728.02	62.08	12.727		
7,200.00	6,944.36	6,826.61	6,746.16	33.77	30.72	82.01	590.37	576.33	808.75	746.65	62.10	13.024		
7,250.00	6,957.05	6,812.16	6,735.04	34.27	30.68	79.03	590.53	567.11	829.09	766.96	62.12	13.346		
7,300.00	6,965.92	6,790.00	6,717.65	34.80	30.63	75.50	590.80	553.37	850.77	788.70	62.06	13.708		
7,350.00	6,970.89	6,779.41	6,709.20	35.37	30.60	72.69	590.93	547.00	873.31	811.04	62.27	14.024		
7,396.89	6,972.00	6,762.43	6,695.43	35.93	30.55	69.66	591.09	537.05	895.03	832.63	62.40	14.344		
7,400.00	6,971.96	6,761.29	6,694.50	35.97	30.55	69.60	591.10	536.39	896.48	834.08	62.41	14.365		
7,500.00	6,970.65	6,727.27	6,666.16	37.28	30.46	67.74	591.27	517.60	946.42	883.65	62.78	15.076		
7,600.00	6,969.33	6,695.00	6,638.41	38.76	30.37	65.97	591.25	501.13	1,002.17	939.00	63.17	15.866		
7,700.00	6,968.02	6,673.42	6,619.44	40.39	30.31	64.78	591.22	490.82	1,063.11	999.43	63.69	16.693		
7,800.00	6,966.70	6,651.57	6,599.98	42.15	30.24	63.59	591.28	480.92	1,128.67	1,064.52	64.14	17.596		
7,900.00	6,965.39	6,631.87	6,582.19	44.02	30.18	62.52	591.42	472.44	1,198.21	1,133.63	64.58	18.555		
8,000.00	6,964.07	6,600.00	6,553.00	45.99	30.09	60.82	591.81	459.67	1,271.36	1,206.56	64.80	19.620		
8,100.00	6,962.76	6,600.00	6,553.00	48.05	30.09	60.82	591.81	459.67	1,347.10	1,281.75	65.36	20.611		
8,200.00	6,961.45	6,577.54	6,532.14	50.19	30.02	59.64	592.08	451.33	1,425.48	1,359.89	65.59	21.732		
8,300.00	6,960.13	6,559.78	6,515.53	52.39	29.96	58.71	592.18	445.08	1,505.97	1,440.13	65.84	22.873		
8,400.00	6,958.82	6,543.60	6,500.27	54.65	29.91	57.88	592.19	439.65	1,588.30	1,522.23	66.07	24.041		
8,500.00	6,957.50	6,528.78	6,486.24	56.97	29.86	57.12	592.12	434.92	1,672.24	1,605.97	66.27	25.234		
8,600.00	6,956.19	6,505.00	6,463.56	59.33	29.78	55.91	591.87	427.77	1,757.67	1,691.30	66.37	26.483		
8,700.00	6,954.87	6,505.00	6,463.56	61.73	29.78	55.91	591.87	427.77	1,844.21	1,777.57	66.64	27.676		
8,800.00	6,953.56	6,505.00	6,463.56	64.16	29.78	55.91	591.87	427.77	1,932.05	1,865.19	66.86	28.895		

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 13N-6B-M
<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 13N-6B-M	<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	6,952.24	6,505.00	6,463.56	66.63	29.78	55.91	591.87	427.77	2,021.03	1,953.97	67.06	30.138		
9,000.00	6,950.93	6,505.00	6,463.56	69.13	29.78	55.91	591.87	427.77	2,110.99	2,043.76	67.23	31.400		
9,100.00	6,949.61	6,505.00	6,463.56	71.65	29.78	55.91	591.87	427.77	2,201.81	2,134.44	67.38	32.680		
9,200.00	6,948.30	6,505.00	6,463.56	74.20	29.78	55.91	591.87	427.77	2,293.40	2,225.90	67.50	33.974		
9,300.00	6,946.98	6,466.77	6,426.63	76.77	29.65	54.02	591.40	417.93	2,384.17	2,316.74	67.43	35.355		
9,400.00	6,945.67	6,462.05	6,422.02	79.35	29.63	53.79	591.35	416.88	2,476.65	2,409.13	67.53	36.677		
9,500.00	6,944.35	6,457.63	6,417.70	81.95	29.62	53.57	591.30	415.94	2,569.66	2,502.05	67.61	38.007		
9,600.00	6,943.04	6,453.48	6,413.65	84.57	29.60	53.37	591.26	415.08	2,663.13	2,595.45	67.69	39.345		
9,700.00	6,941.73	6,449.58	6,409.83	87.21	29.59	53.18	591.22	414.30	2,757.04	2,689.28	67.76	40.690		
9,800.00	6,940.41	6,410.00	6,370.79	89.85	29.45	51.31	590.93	407.82	2,852.62	2,784.94	67.68	42.150		
9,900.00	6,939.10	6,410.00	6,370.79	92.51	29.45	51.31	590.93	407.82	2,947.02	2,879.26	67.76	43.492		
10,000.00	6,937.78	6,410.00	6,370.79	95.17	29.45	51.31	590.93	407.82	3,041.77	2,973.94	67.84	44.840		
10,100.00	6,936.47	6,410.00	6,370.79	97.85	29.45	51.31	590.93	407.82	3,136.86	3,068.95	67.91	46.194		
10,200.00	6,935.15	6,410.00	6,370.79	100.54	29.45	51.31	590.93	407.82	3,232.24	3,164.26	67.97	47.553		
10,300.00	6,933.84	6,410.00	6,370.79	103.23	29.45	51.31	590.93	407.82	3,327.89	3,259.85	68.03	48.916		
10,400.00	6,932.52	6,410.00	6,370.79	105.93	29.45	51.31	590.93	407.82	3,423.79	3,355.69	68.09	50.282		
10,500.00	6,931.21	6,410.00	6,370.79	108.64	29.45	51.31	590.93	407.82	3,519.91	3,451.77	68.15	51.652		
10,600.00	6,929.89	6,410.00	6,370.79	111.36	29.45	51.31	590.93	407.82	3,616.25	3,548.05	68.20	53.025		
10,700.00	6,928.58	6,410.00	6,370.79	114.08	29.45	51.31	590.93	407.82	3,712.78	3,644.53	68.25	54.400		
10,800.00	6,927.26	6,410.00	6,370.79	116.81	29.45	51.31	590.93	407.82	3,809.49	3,741.19	68.30	55.777		
10,900.00	6,925.95	6,410.00	6,370.79	119.54	29.45	51.31	590.93	407.82	3,906.37	3,838.02	68.35	57.155		
11,000.00	6,924.64	6,410.00	6,370.79	122.28	29.45	51.31	590.93	407.82	4,003.40	3,935.00	68.39	58.535		
11,100.00	6,923.32	6,410.00	6,370.79	125.02	29.45	51.31	590.93	407.82	4,100.57	4,032.13	68.44	59.916		
11,200.00	6,922.01	6,410.00	6,370.79	127.77	29.45	51.31	590.93	407.82	4,197.87	4,129.39	68.48	61.297		
11,300.00	6,920.69	6,410.00	6,370.79	130.52	29.45	51.31	590.93	407.82	4,295.30	4,226.77	68.53	62.679		
11,400.00	6,919.38	6,410.00	6,370.79	133.28	29.45	51.31	590.93	407.82	4,392.85	4,324.27	68.57	64.062		
11,500.00	6,918.06	6,410.00	6,370.79	136.04	29.45	51.31	590.93	407.82	4,490.50	4,421.88	68.62	65.444		
11,600.00	6,916.75	6,410.00	6,370.79	138.80	29.45	51.31	590.93	407.82	4,588.25	4,519.59	68.66	66.826		
11,700.00	6,915.43	6,410.00	6,370.79	141.56	29.45	51.31	590.93	407.82	4,686.10	4,617.40	68.70	68.208		
11,800.00	6,914.12	6,410.00	6,370.79	144.33	29.45	51.31	590.93	407.82	4,784.04	4,715.29	68.75	69.590		
11,900.00	6,912.80	6,410.00	6,370.79	147.10	29.45	51.31	590.93	407.82	4,882.06	4,813.27	68.79	70.970		
12,000.00	6,911.49	6,410.00	6,370.79	149.88	29.45	51.31	590.93	407.82	4,980.16	4,911.33	68.83	72.350		
12,100.00	6,910.17	6,410.00	6,370.79	152.65	29.45	51.31	590.93	407.82	5,078.33	5,009.45	68.88	73.729		
12,200.00	6,908.86	6,410.00	6,370.79	155.43	29.45	51.31	590.93	407.82	5,176.58	5,107.65	68.92	75.107		
12,300.00	6,907.54	6,410.00	6,370.79	158.21	29.45	51.31	590.93	407.82	5,274.89	5,205.92	68.97	76.483		
12,400.00	6,906.23	6,410.00	6,370.79	160.99	29.45	51.31	590.93	407.82	5,373.26	5,304.25	69.01	77.859		
12,500.00	6,904.92	6,410.00	6,370.79	163.78	29.45	51.31	590.93	407.82	5,471.69	5,402.63	69.06	79.232		
12,600.00	6,903.60	6,410.00	6,370.79	166.57	29.45	51.31	590.93	407.82	5,570.18	5,501.07	69.10	80.605		
12,700.00	6,902.29	6,410.00	6,370.79	169.35	29.45	51.31	590.93	407.82	5,668.72	5,599.56	69.15	81.975		
12,800.00	6,900.97	6,410.00	6,370.79	172.14	29.45	51.31	590.93	407.82	5,767.31	5,698.11	69.20	83.344		
12,900.00	6,899.66	6,410.00	6,370.79	174.94	29.45	51.31	590.93	407.82	5,865.94	5,796.70	69.25	84.710		
13,000.00	6,898.34	6,410.00	6,370.79	177.73	29.45	51.31	590.93	407.82	5,964.63	5,895.33	69.30	86.075		
13,100.00	6,897.03	6,410.00	6,370.79	180.53	29.45	51.31	590.93	407.82	6,063.35	5,994.01	69.34	87.438		
13,200.00	6,895.71	6,410.00	6,370.79	183.32	29.45	51.31	590.93	407.82	6,162.12	6,092.73	69.39	88.798		
13,300.00	6,894.40	6,410.00	6,370.79	186.12	29.45	51.31	590.93	407.82	6,260.93	6,191.48	69.44	90.157		
13,400.00	6,893.08	6,369.04	6,330.08	188.92	29.29	49.46	590.69	403.35	6,358.77	6,289.34	69.43	91.583		
13,500.00	6,891.77	6,367.74	6,328.78	191.72	29.29	49.40	590.69	403.24	6,457.59	6,388.10	69.48	92.939		
13,600.00	6,890.45	6,366.46	6,327.51	194.52	29.28	49.35	590.68	403.13	6,556.44	6,486.90	69.53	94.292		
13,700.00	6,889.14	6,365.22	6,326.27	197.32	29.28	49.29	590.67	403.02	6,655.32	6,585.73	69.59	95.643		
13,800.00	6,887.82	6,364.02	6,325.07	200.13	29.27	49.24	590.67	402.92	6,754.23	6,684.60	69.64	96.991		
13,900.00	6,886.51	6,362.84	6,323.90	202.93	29.27	49.19	590.66	402.83	6,853.18	6,783.49	69.69	98.336		
14,000.00	6,885.20	6,361.70	6,322.76	205.74	29.27	49.14	590.65	402.74	6,952.15	6,882.40	69.75	99.679		

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 13N-6B-M
<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 13N-6B-M	<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 #21-5-3NBHZ - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 165-MWD												<b>Offset Well Error:</b>	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	6,883.88	6,360.58	6,321.64	208.55	29.26	49.09	590.65	402.65	7,051.15	6,981.35	69.80	101.019	
14,200.00	6,882.57	6,359.49	6,320.56	211.35	29.26	49.04	590.64	402.56	7,150.18	7,080.32	69.86	102.357	
14,300.00	6,881.25	6,358.43	6,319.50	214.16	29.25	48.99	590.63	402.48	7,249.23	7,179.32	69.91	103.691	
14,400.00	6,879.94	6,357.39	6,318.46	216.97	29.25	48.95	590.63	402.40	7,348.30	7,278.33	69.97	105.022	
14,500.00	6,878.62	6,356.38	6,317.45	219.78	29.25	48.91	590.62	402.32	7,447.40	7,377.38	70.03	106.351	
14,600.00	6,877.31	6,315.00	6,276.14	222.59	29.09	47.15	590.39	400.15	7,547.48	7,477.46	70.03	107.782	
14,700.00	6,875.99	6,315.00	6,276.14	225.41	29.09	47.15	590.39	400.15	7,646.58	7,576.49	70.09	109.102	
14,800.00	6,874.68	6,315.00	6,276.14	228.22	29.09	47.15	590.39	400.15	7,745.70	7,675.55	70.15	110.419	
14,900.00	6,873.36	6,315.00	6,276.14	231.03	29.09	47.15	590.39	400.15	7,844.84	7,774.63	70.21	111.733	
15,000.00	6,872.05	6,315.00	6,276.14	233.85	29.09	47.15	590.39	400.15	7,944.01	7,873.74	70.27	113.044	
15,100.00	6,870.73	6,315.00	6,276.14	236.66	29.09	47.15	590.39	400.15	8,043.19	7,972.86	70.34	114.351	
15,200.00	6,869.42	6,315.00	6,276.14	239.48	29.09	47.15	590.39	400.15	8,142.40	8,072.00	70.40	115.656	
15,300.00	6,868.11	6,315.00	6,276.14	242.29	29.09	47.15	590.39	400.15	8,241.62	8,171.16	70.47	116.957	
15,400.00	6,866.79	6,315.00	6,276.14	245.11	29.09	47.15	590.39	400.15	8,340.87	8,270.33	70.53	118.255	
15,460.11	6,866.00	6,315.00	6,276.14	246.80	29.09	47.15	590.39	400.15	8,400.53	8,329.96	70.57	119.033	
15,460.74	6,865.99	6,315.00	6,276.14	246.82	29.09	47.15	590.39	400.15	8,401.15	8,330.58	70.57	119.042	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	92.33	-20.76	511.10	511.57					
100.00	100.00	100.98	100.97	3.28	3.30	92.38	-21.20	510.11	510.61	504.03	6.59	77.528		
200.00	200.00	205.52	205.49	3.34	3.38	92.52	-22.36	507.94	508.58	501.86	6.72	75.653		
300.00	299.98	304.57	304.48	3.44	3.51	-6.30	-24.12	505.36	504.33	497.38	6.96	72.471		
400.00	399.84	396.77	396.63	3.60	3.68	-6.06	-26.80	503.70	497.49	490.21	7.28	68.366		
500.00	499.45	490.58	490.36	3.80	3.88	-5.74	-30.49	503.45	488.76	481.07	7.68	63.611		
584.50	583.35	572.78	572.47	4.01	4.09	-5.39	-34.55	503.76	479.31	471.21	8.10	59.208		
600.00	598.71	588.01	587.67	4.05	4.13	-5.30	-35.48	503.83	477.37	469.19	8.18	58.366		
700.00	697.81	699.83	699.18	4.33	4.46	-4.45	-43.69	503.08	463.94	455.16	8.78	52.841		
800.00	796.91	812.90	811.53	4.64	4.84	-3.05	-55.24	498.21	447.25	437.79	9.46	47.274		
900.00	896.01	905.08	902.73	4.98	5.19	-1.40	-67.64	493.24	430.11	419.99	10.13	42.478		
1,000.00	995.11	1,001.58	997.89	5.34	5.59	0.77	-82.87	488.27	414.01	403.15	10.86	38.113		
1,100.00	1,094.21	1,100.79	1,095.51	5.71	6.03	3.34	-99.66	482.63	398.28	386.62	11.66	34.160		
1,200.00	1,193.31	1,191.79	1,185.00	6.10	6.46	5.92	-115.50	478.01	384.08	371.62	12.46	30.825		
1,300.00	1,292.41	1,285.17	1,276.74	6.49	6.91	8.81	-132.50	474.33	372.16	358.85	13.30	27.978		
1,400.00	1,391.51	1,377.99	1,367.87	6.90	7.38	11.88	-149.95	471.56	362.42	348.26	14.16	25.596		
1,500.00	1,490.61	1,479.71	1,468.18	7.31	7.88	14.97	-166.67	469.81	354.10	339.06	15.05	23.533		
1,600.00	1,589.71	1,583.93	1,571.41	7.73	8.38	17.86	-180.74	467.51	345.06	329.13	15.93	21.658		
1,700.00	1,688.81	1,681.42	1,668.07	8.16	8.84	20.66	-193.27	464.93	336.16	319.37	16.79	20.016		
1,800.00	1,787.92	1,786.40	1,771.91	8.59	9.37	24.18	-207.72	459.79	326.74	309.04	17.70	18.464		
1,900.00	1,887.02	1,877.89	1,862.35	9.02	9.83	27.47	-220.83	455.54	319.04	300.48	18.56	17.190		
2,000.00	1,986.12	1,978.29	1,961.42	9.46	10.35	31.46	-236.17	450.01	312.60	293.15	19.46	16.068		
2,100.00	2,085.22	2,069.58	2,051.22	9.90	10.85	35.45	-251.68	444.73	308.72	288.41	20.31	15.199		
2,198.08	2,182.41	2,163.40	2,143.61	10.33	11.35	39.41	-267.53	440.81	307.62	286.47	21.15	14.543 CC		
2,200.00	2,184.32	2,165.20	2,145.37	10.34	11.36	39.48	-267.84	440.75	307.63	286.46	21.17	14.532 ES		
2,300.00	2,283.42	2,257.75	2,236.40	10.78	11.87	43.40	-284.27	437.39	309.20	287.21	21.99	14.063		
2,400.00	2,382.52	2,347.90	2,324.56	11.23	12.39	47.46	-302.75	433.85	314.56	291.79	22.76	13.818		
2,500.00	2,481.62	2,446.08	2,420.59	11.68	12.96	51.53	-322.98	431.26	322.46	298.86	23.60	13.664		
2,600.00	2,580.72	2,543.34	2,515.69	12.13	13.53	55.42	-343.13	428.36	331.91	307.49	24.41	13.595		
2,700.00	2,679.82	2,643.71	2,613.60	12.58	14.14	59.79	-364.16	421.62	341.84	316.58	25.26	13.533		
2,800.00	2,778.92	2,737.32	2,704.65	13.03	14.71	63.80	-384.68	414.49	354.29	328.27	26.03	13.611		
2,900.00	2,878.02	2,844.55	2,809.36	13.48	15.36	68.04	-406.15	406.09	366.66	339.71	26.95	13.607		
3,000.00	2,977.12	2,945.72	2,908.73	13.94	15.94	71.47	-424.11	399.78	378.61	350.82	27.80	13.621		
3,100.00	3,076.22	3,047.34	3,008.79	14.39	16.51	74.51	-441.07	394.64	390.84	362.19	28.65	13.641		
3,200.00	3,175.32	3,154.36	3,114.55	14.85	17.08	77.26	-456.93	390.84	402.25	372.69	29.56	13.610		
3,300.00	3,274.43	3,252.80	3,212.12	15.30	17.59	79.51	-469.73	388.27	412.60	382.21	30.39	13.576		
3,400.00	3,373.53	3,342.13	3,300.44	15.76	18.07	81.69	-482.49	384.20	424.91	393.75	31.15	13.639		
3,500.00	3,472.63	3,434.47	3,391.42	16.22	18.58	83.91	-497.47	379.24	439.87	407.92	31.95	13.769		
3,600.00	3,571.73	3,533.92	3,489.42	16.68	19.14	86.01	-513.88	374.96	455.68	422.85	32.82	13.883		
3,700.00	3,670.83	3,633.87	3,588.01	17.14	19.69	87.97	-529.70	370.75	471.36	437.65	33.71	13.983		
3,800.00	3,769.93	3,724.97	3,677.83	17.59	20.20	89.78	-544.12	365.78	487.77	453.27	34.51	14.136		
3,900.00	3,869.03	3,814.94	3,766.25	18.05	20.72	91.42	-559.95	360.92	506.38	471.09	35.29	14.349		
4,000.00	3,968.13	3,907.02	3,856.58	18.51	21.26	92.97	-577.12	355.82	526.48	490.37	36.11	14.581		
4,100.00	4,067.23	4,003.10	3,950.69	18.98	21.83	94.45	-595.73	350.64	547.62	510.63	36.98	14.807		
4,200.00	4,166.33	4,099.10	4,044.77	19.44	22.41	95.80	-614.19	345.63	568.90	531.04	37.86	15.026		
4,300.00	4,265.43	4,199.72	4,143.33	19.90	23.01	97.12	-633.70	340.25	590.68	551.87	38.81	15.221		
4,400.00	4,364.53	4,288.22	4,230.12	20.36	23.54	98.19	-650.48	335.85	612.23	572.64	39.60	15.462		
4,500.00	4,463.63	4,380.81	4,320.47	20.82	24.11	99.28	-669.82	330.01	636.19	595.74	40.44	15.730		
4,600.00	4,562.73	4,477.68	4,415.20	21.28	24.70	100.34	-689.27	324.33	659.48	618.13	41.35	15.947		
4,700.00	4,661.83	4,581.76	4,516.86	21.75	25.34	101.46	-710.42	317.25	683.60	641.23	42.37	16.135		
4,800.00	4,760.93	4,678.45	4,611.66	22.21	25.92	102.44	-728.41	311.17	706.10	662.82	43.28	16.316		
4,900.00	4,860.04	4,791.37	4,722.38	22.67	26.59	103.60	-749.12	303.09	729.01	684.62	44.39	16.423		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	4,874.77	4,804.35	23.13	27.08	104.42	-763.33	297.34	750.80	705.66	45.14	16.633		
5,100.00	5,058.24	4,974.59	4,902.11	23.60	27.68	105.22	-782.56	291.32	774.34	728.25	46.10	16.798		
5,200.00	5,157.34	5,080.71	5,006.32	24.06	28.31	105.99	-801.86	285.91	796.63	749.50	47.13	16.903		
5,300.00	5,256.44	5,177.45	5,101.40	24.52	28.87	106.63	-819.18	281.55	818.53	770.48	48.05	17.035		
5,400.00	5,355.54	5,275.89	5,198.14	24.99	29.44	107.24	-836.85	277.14	840.53	791.54	48.99	17.157		
5,500.00	5,454.64	5,368.73	5,289.35	25.45	29.99	107.77	-853.72	273.13	862.75	812.89	49.87	17.301		
5,600.00	5,553.74	5,469.92	5,408.48	25.92	30.69	108.31	-875.71	269.92	884.30	833.24	51.06	17.319		
5,700.00	5,652.84	5,569.10	5,547.22	26.38	31.42	108.97	-895.46	268.03	901.59	849.23	52.36	17.220		
5,800.00	5,751.94	5,772.09	5,688.59	26.84	32.09	109.83	-908.37	265.86	914.86	861.32	53.54	17.086		
5,900.00	5,851.04	5,901.34	5,817.70	27.31	32.60	110.79	-913.84	263.71	924.07	869.50	54.56	16.936		
6,000.00	5,950.14	6,012.76	5,929.08	27.77	33.01	111.74	-914.97	261.44	930.85	875.36	55.49	16.776		
6,100.00	6,049.24	6,109.42	6,025.71	28.24	33.35	112.61	-915.13	258.85	937.50	881.12	56.38	16.629		
6,200.00	6,148.34	6,220.52	6,136.78	28.70	33.73	113.58	-915.21	256.15	944.18	886.89	57.29	16.482		
6,304.69	6,252.09	6,337.21	6,253.46	29.19	34.10	114.50	-914.43	255.41	949.71	891.49	58.22	16.313		
6,350.00	6,297.17	6,389.34	6,305.58	29.39	34.26	102.80	-913.89	255.77	950.74	892.13	58.60	16.223		
6,400.00	6,347.13	6,448.93	6,365.16	29.59	34.44	1.40	-912.55	256.00	949.28	890.29	58.99	16.091		
6,450.00	6,397.02	6,511.01	6,427.20	29.78	34.62	-39.22	-910.88	257.17	944.91	885.57	59.34	15.924		
6,500.00	6,446.53	6,627.52	6,543.29	29.96	34.94	-47.40	-905.76	264.98	936.35	876.93	59.42	15.758		
6,550.00	6,495.35	6,673.49	6,588.85	30.14	35.06	-51.66	-903.80	270.80	924.08	864.34	59.74	15.468		
6,600.00	6,543.19	6,746.18	6,660.26	30.33	35.25	-56.00	-902.11	284.09	909.51	849.66	59.85	15.197		
6,650.00	6,589.76	6,822.80	6,733.05	30.52	35.45	-61.26	-902.56	307.83	891.49	831.67	59.82	14.902		
6,700.00	6,634.75	6,861.90	6,768.99	30.71	35.55	-65.46	-903.84	323.13	872.28	812.14	60.14	14.504		
6,750.00	6,677.90	6,893.37	6,797.33	30.91	35.63	-69.43	-905.44	336.73	852.96	792.44	60.52	14.094		
6,800.00	6,718.94	6,932.09	6,831.56	31.13	35.72	-73.96	-907.65	354.69	834.02	773.19	60.83	13.711		
6,850.00	6,757.62	6,964.56	6,859.92	31.36	35.79	-78.12	-909.17	370.43	815.88	754.68	61.20	13.332		
6,900.00	6,793.70	6,987.75	6,879.97	31.61	35.85	-81.53	-910.06	382.05	799.25	737.59	61.66	12.963		
6,950.00	6,826.95	7,009.23	6,898.31	31.88	35.89	-84.63	-910.74	393.20	784.71	722.56	62.15	12.626		
7,000.00	6,857.18	7,018.29	6,905.91	32.19	35.90	-86.53	-910.97	398.12	772.74	710.00	62.74	12.316		
7,050.00	6,884.18	7,017.38	6,905.15	32.52	35.90	-87.38	-910.95	397.62	763.74	700.37	63.37	12.052		
7,100.00	6,907.81	7,010.82	6,899.65	32.90	35.89	-87.49	-910.78	394.06	757.85	693.86	63.99	11.844		
7,150.00	6,927.91	7,000.77	6,891.14	33.32	35.87	-87.03	-910.49	388.73	755.10	690.53	64.57	11.695		
7,169.40	6,934.73	6,996.20	6,887.23	33.49	35.87	-86.73	-910.35	386.36	754.87	690.08	64.79	11.651		
7,200.00	6,944.36	6,988.17	6,880.33	33.77	35.85	-86.11	-910.08	382.26	755.43	690.32	65.12	11.601		
7,250.00	6,957.05	6,972.25	6,866.58	34.27	35.81	-84.69	-909.49	374.25	758.69	693.06	65.63	11.560 SF		
7,300.00	6,965.92	6,953.22	6,850.05	34.80	35.77	-82.81	-908.68	364.87	764.60	698.50	66.10	11.568		
7,350.00	6,970.89	6,931.49	6,831.03	35.37	35.72	-80.57	-907.62	354.40	772.84	706.31	66.53	11.617		
7,396.89	6,972.00	6,908.94	6,811.15	35.93	35.67	-78.20	-906.37	343.84	782.37	715.47	66.90	11.695		
7,400.00	6,971.96	6,907.39	6,809.78	35.97	35.66	-78.10	-906.28	343.12	783.05	716.13	66.92	11.701		
7,500.00	6,970.65	6,877.62	6,783.22	37.28	35.59	-76.13	-904.57	329.78	810.19	742.27	67.93	11.927		
7,600.00	6,969.33	6,854.59	6,762.34	38.76	35.53	-74.61	-903.54	320.14	847.03	778.09	68.95	12.285		
7,700.00	6,968.02	6,834.12	6,743.54	40.39	35.48	-73.26	-902.85	312.08	892.58	822.71	69.88	12.774		
7,800.00	6,966.70	6,803.00	6,714.55	42.15	35.40	-71.22	-902.21	300.77	945.93	875.41	70.52	13.413		
7,900.00	6,965.39	6,803.00	6,714.55	44.02	35.40	-71.22	-902.21	300.77	1,005.43	934.02	71.41	14.080		
8,000.00	6,964.07	6,803.00	6,714.55	45.99	35.40	-71.22	-902.21	300.77	1,070.98	998.87	72.11	14.853		
8,100.00	6,962.76	6,803.00	6,714.55	48.05	35.40	-71.22	-902.21	300.77	1,141.53	1,068.89	72.65	15.714		
8,200.00	6,961.45	6,766.53	6,679.91	50.19	35.31	-68.85	-902.00	289.38	1,214.50	1,141.72	72.78	16.688		
8,300.00	6,960.13	6,757.80	6,671.51	52.39	35.28	-68.29	-902.03	287.02	1,291.70	1,218.63	73.07	17.678		
8,400.00	6,958.82	6,749.97	6,663.94	54.65	35.26	-67.78	-902.08	285.02	1,371.68	1,298.39	73.29	18.715		
8,500.00	6,957.50	6,742.92	6,657.10	56.97	35.24	-67.33	-902.15	283.31	1,454.01	1,380.54	73.47	19.790		
8,600.00	6,956.19	6,708.00	6,622.92	59.33	35.15	-65.14	-902.76	276.22	1,539.36	1,465.93	73.43	20.964		
8,700.00	6,954.87	6,708.00	6,622.92	61.73	35.15	-65.14	-902.76	276.22	1,624.99	1,551.40	73.59	22.082		
8,800.00	6,953.56	6,708.00	6,622.92	64.16	35.15	-65.14	-902.76	276.22	1,712.17	1,638.47	73.71	23.229		

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 13N-6B-M
<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 13N-6B-M	<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		
8,900.00	6,952.24	6,708.00	6,622.92	66.63	35.15	-65.14	-902.76	276.22	1,800.69	1,726.89	73.80	24.400		
9,000.00	6,950.93	6,708.00	6,622.92	69.13	35.15	-65.14	-902.76	276.22	1,890.36	1,816.49	73.87	25.591		
9,100.00	6,949.61	6,708.00	6,622.92	71.65	35.15	-65.14	-902.76	276.22	1,981.01	1,907.09	73.92	26.799		
9,200.00	6,948.30	6,708.00	6,622.92	74.20	35.15	-65.14	-902.76	276.22	2,072.52	1,998.57	73.96	28.023		
9,300.00	6,946.98	6,708.00	6,622.92	76.77	35.15	-65.14	-902.76	276.22	2,164.79	2,090.80	73.99	29.259		
9,400.00	6,945.67	6,708.00	6,622.92	79.35	35.15	-65.14	-902.76	276.22	2,257.71	2,183.71	74.01	30.506		
9,500.00	6,944.35	6,708.00	6,622.92	81.95	35.15	-65.14	-902.76	276.22	2,351.22	2,277.19	74.02	31.763		
9,600.00	6,943.04	6,708.00	6,622.92	84.57	35.15	-65.14	-902.76	276.22	2,445.24	2,371.20	74.03	33.029		
9,700.00	6,941.73	6,678.58	6,593.89	87.21	35.08	-63.34	-903.62	271.54	2,539.18	2,465.20	73.98	34.320		
9,800.00	6,940.41	6,673.49	6,588.85	89.85	35.06	-63.04	-903.80	270.80	2,633.88	2,559.89	73.99	35.599		
9,900.00	6,939.10	6,668.63	6,584.05	92.51	35.05	-62.75	-903.98	270.11	2,728.92	2,654.93	73.99	36.883		
10,000.00	6,937.78	6,663.99	6,579.46	95.17	35.04	-62.47	-904.16	269.47	2,824.28	2,750.29	73.99	38.171		
10,100.00	6,936.47	6,659.55	6,575.06	97.85	35.03	-62.21	-904.34	268.87	2,919.92	2,845.93	73.99	39.462		
10,200.00	6,935.15	6,655.31	6,570.86	100.54	35.02	-61.97	-904.51	268.31	3,015.83	2,941.84	74.00	40.757		
10,300.00	6,933.84	6,651.24	6,566.83	103.23	35.00	-61.73	-904.69	267.78	3,111.98	3,037.98	74.00	42.053		
10,400.00	6,932.52	6,647.34	6,562.96	105.93	34.99	-61.50	-904.86	267.29	3,208.34	3,134.34	74.01	43.353		
10,500.00	6,931.21	6,613.00	6,528.88	108.64	34.90	-59.57	-906.61	263.48	3,305.43	3,231.45	73.98	44.678		
10,600.00	6,929.89	6,613.00	6,528.88	111.36	34.90	-59.57	-906.61	263.48	3,402.06	3,328.06	74.00	45.975		
10,700.00	6,928.58	6,613.00	6,528.88	114.08	34.90	-59.57	-906.61	263.48	3,498.88	3,424.87	74.01	47.275		
10,800.00	6,927.26	6,613.00	6,528.88	116.81	34.90	-59.57	-906.61	263.48	3,595.87	3,521.84	74.02	48.576		
10,900.00	6,925.95	6,613.00	6,528.88	119.54	34.90	-59.57	-906.61	263.48	3,693.02	3,618.98	74.04	49.879		
11,000.00	6,924.64	6,613.00	6,528.88	122.28	34.90	-59.57	-906.61	263.48	3,790.32	3,716.27	74.05	51.183		
11,100.00	6,923.32	6,613.00	6,528.88	125.02	34.90	-59.57	-906.61	263.48	3,887.76	3,813.69	74.07	52.487		
11,200.00	6,922.01	6,613.00	6,528.88	127.77	34.90	-59.57	-906.61	263.48	3,985.32	3,911.24	74.09	53.792		
11,300.00	6,920.69	6,613.00	6,528.88	130.52	34.90	-59.57	-906.61	263.48	4,083.01	4,008.90	74.10	55.098		
11,400.00	6,919.38	6,613.00	6,528.88	133.28	34.90	-59.57	-906.61	263.48	4,180.80	4,106.68	74.12	56.403		
11,500.00	6,918.06	6,613.00	6,528.88	136.04	34.90	-59.57	-906.61	263.48	4,278.69	4,204.55	74.14	57.709		
11,600.00	6,916.75	6,613.00	6,528.88	138.80	34.90	-59.57	-906.61	263.48	4,376.68	4,302.52	74.16	59.014		
11,700.00	6,915.43	6,613.00	6,528.88	141.56	34.90	-59.57	-906.61	263.48	4,474.76	4,400.58	74.18	60.319		
11,800.00	6,914.12	6,613.00	6,528.88	144.33	34.90	-59.57	-906.61	263.48	4,572.92	4,498.71	74.21	61.623		
11,900.00	6,912.80	6,613.00	6,528.88	147.10	34.90	-59.57	-906.61	263.48	4,671.16	4,596.93	74.23	62.927		
12,000.00	6,911.49	6,613.00	6,528.88	149.88	34.90	-59.57	-906.61	263.48	4,769.47	4,695.22	74.26	64.230		
12,100.00	6,910.17	6,613.00	6,528.88	152.65	34.90	-59.57	-906.61	263.48	4,867.86	4,793.57	74.28	65.532		
12,200.00	6,908.86	6,613.00	6,528.88	155.43	34.90	-59.57	-906.61	263.48	4,966.30	4,891.99	74.31	66.833		
12,300.00	6,907.54	6,613.00	6,528.88	158.21	34.90	-59.57	-906.61	263.48	5,064.81	4,990.47	74.34	68.132		
12,400.00	6,906.23	6,613.00	6,528.88	160.99	34.90	-59.57	-906.61	263.48	5,163.37	5,089.01	74.37	69.431		
12,500.00	6,904.92	6,613.00	6,528.88	163.78	34.90	-59.57	-906.61	263.48	5,261.99	5,187.59	74.40	70.728		
12,600.00	6,903.60	6,613.00	6,528.88	166.57	34.90	-59.57	-906.61	263.48	5,360.66	5,286.23	74.43	72.023		
12,700.00	6,902.29	6,613.00	6,528.88	169.35	34.90	-59.57	-906.61	263.48	5,459.38	5,384.92	74.46	73.317		
12,800.00	6,900.97	6,613.00	6,528.88	172.14	34.90	-59.57	-906.61	263.48	5,558.14	5,483.65	74.50	74.609		
12,900.00	6,899.66	6,613.00	6,528.88	174.94	34.90	-59.57	-906.61	263.48	5,656.95	5,582.42	74.53	75.900		
13,000.00	6,898.34	6,613.00	6,528.88	177.73	34.90	-59.57	-906.61	263.48	5,755.80	5,681.23	74.57	77.189		
13,100.00	6,897.03	6,576.84	6,492.90	180.53	34.80	-57.62	-908.48	260.41	5,854.13	5,779.52	74.61	78.467		
13,200.00	6,895.71	6,575.11	6,491.18	183.32	34.80	-57.53	-908.56	260.28	5,953.00	5,878.36	74.64	79.751		
13,300.00	6,894.40	6,573.44	6,489.51	186.12	34.80	-57.44	-908.63	260.17	6,051.91	5,977.22	74.68	81.033		
13,400.00	6,893.08	6,571.81	6,487.89	188.92	34.79	-57.35	-908.71	260.05	6,150.85	6,076.12	74.73	82.313		
13,500.00	6,891.77	6,570.23	6,486.31	191.72	34.79	-57.27	-908.78	259.95	6,249.82	6,175.05	74.77	83.590		
13,600.00	6,890.45	6,568.69	6,484.78	194.52	34.78	-57.19	-908.85	259.84	6,348.82	6,274.01	74.81	84.866		
13,700.00	6,889.14	6,567.19	6,483.29	197.32	34.78	-57.11	-908.91	259.74	6,447.85	6,373.00	74.85	86.139		
13,800.00	6,887.82	6,565.73	6,481.83	200.13	34.77	-57.03	-908.97	259.65	6,546.91	6,472.01	74.90	87.410		
13,900.00	6,886.51	6,564.31	6,480.41	202.93	34.77	-56.96	-909.04	259.56	6,645.99	6,571.05	74.94	88.678		
14,000.00	6,885.20	6,562.92	6,479.03	205.74	34.77	-56.89	-909.09	259.47	6,745.11	6,670.11	74.99	89.945		

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 13N-6B-M
<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 13N-6B-M	<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 #22-5-4CHZ - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 39-MWVD												<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	
14,100.00	6,883.88	6,561.57	6,477.68	208.55	34.76	-56.82	-909.15	259.39	6,844.24	6,769.20	75.04	91.208	
14,200.00	6,882.57	6,560.26	6,476.37	211.35	34.76	-56.75	-909.20	259.31	6,943.40	6,868.31	75.09	92.469	
14,300.00	6,881.25	6,558.97	6,475.09	214.16	34.76	-56.68	-909.26	259.23	7,042.58	6,967.44	75.14	93.728	
14,400.00	6,879.94	6,557.72	6,473.84	216.97	34.75	-56.61	-909.31	259.15	7,141.78	7,066.59	75.19	94.984	
14,500.00	6,878.62	6,556.49	6,472.61	219.78	34.75	-56.55	-909.36	259.08	7,241.00	7,165.76	75.24	96.237	
14,600.00	6,877.31	6,518.00	6,434.18	222.59	34.64	-54.59	-910.68	257.38	7,340.82	7,265.53	75.29	97.503	
14,700.00	6,875.99	6,518.00	6,434.18	225.41	34.64	-54.59	-910.68	257.38	7,440.04	7,364.70	75.34	98.750	
14,800.00	6,874.68	6,518.00	6,434.18	228.22	34.64	-54.59	-910.68	257.38	7,539.29	7,463.89	75.40	99.995	
14,900.00	6,873.36	6,518.00	6,434.18	231.03	34.64	-54.59	-910.68	257.38	7,638.55	7,563.10	75.45	101.237	
15,000.00	6,872.05	6,518.00	6,434.18	233.85	34.64	-54.59	-910.68	257.38	7,737.84	7,662.33	75.51	102.476	
15,100.00	6,870.73	6,518.00	6,434.18	236.66	34.64	-54.59	-910.68	257.38	7,837.14	7,761.58	75.57	103.712	
15,200.00	6,869.42	6,518.00	6,434.18	239.48	34.64	-54.59	-910.68	257.38	7,936.46	7,860.84	75.62	104.945	
15,300.00	6,868.11	6,518.00	6,434.18	242.29	34.64	-54.59	-910.68	257.38	8,035.80	7,960.11	75.68	106.175	
15,400.00	6,866.79	6,518.00	6,434.18	245.11	34.64	-54.59	-910.68	257.38	8,135.15	8,059.41	75.74	107.403	
15,460.11	6,866.00	6,518.00	6,434.18	246.80	34.64	-54.59	-910.68	257.38	8,194.88	8,119.10	75.78	108.139	
15,460.74	6,865.99	6,518.00	6,434.18	246.82	34.64	-54.59	-910.68	257.38	8,195.50	8,119.72	75.78	108.147	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	85.69	38.99	516.94	518.46					
100.00	100.00	97.26	97.25	3.28	3.30	85.70	38.82	516.20	517.68	511.10	6.58	78.641		
200.00	200.00	197.20	197.19	3.34	3.37	85.74	38.37	515.49	516.93	510.22	6.71	77.057		
300.00	299.98	300.20	300.19	3.44	3.50	-13.31	38.20	514.42	514.18	507.24	6.95	74.017		
400.00	399.84	405.11	405.07	3.60	3.69	-13.50	38.18	512.44	507.21	499.92	7.29	69.542		
500.00	499.45	500.86	500.81	3.80	3.90	-13.81	38.38	510.35	496.60	488.90	7.71	64.448		
584.50	583.35	580.71	580.64	4.01	4.10	-14.12	38.13	509.35	485.75	477.64	8.11	59.905		
600.00	598.71	595.34	595.28	4.05	4.14	-14.17	38.05	509.23	483.61	475.42	8.19	59.049		
700.00	697.81	695.48	695.40	4.33	4.42	-14.43	36.86	508.55	469.86	461.12	8.74	53.759		
800.00	796.91	800.05	799.94	4.64	4.74	-14.58	34.43	507.13	455.34	445.98	9.36	48.660		
900.00	896.01	891.88	891.74	4.98	5.03	-14.77	32.64	506.07	441.06	431.08	9.98	44.209		
1,000.00	995.11	986.02	985.88	5.34	5.34	-15.10	31.84	506.11	428.08	417.45	10.63	40.272		
1,100.00	1,094.21	1,082.19	1,082.04	5.71	5.66	-15.53	31.74	506.97	416.04	404.73	11.31	36.795		
1,200.00	1,193.31	1,178.80	1,178.65	6.10	5.98	-16.01	31.79	508.49	404.71	392.70	12.01	33.701		
1,300.00	1,292.41	1,279.77	1,279.59	6.49	6.34	-16.57	32.12	510.16	393.53	380.79	12.75	30.877		
1,400.00	1,391.51	1,380.62	1,380.44	6.90	6.70	-17.28	33.08	511.33	381.98	368.48	13.50	28.297		
1,500.00	1,490.61	1,481.68	1,481.48	7.31	7.07	-18.10	34.44	511.97	370.04	355.77	14.27	25.933		
1,600.00	1,589.71	1,580.83	1,580.62	7.73	7.44	-19.03	36.15	512.25	357.90	342.85	15.05	23.781		
1,700.00	1,688.81	1,680.71	1,680.48	8.16	7.83	-20.05	37.96	512.41	345.77	329.92	15.85	21.822		
1,800.00	1,787.92	1,780.94	1,780.70	8.59	8.22	-21.18	39.88	512.25	333.45	316.80	16.65	20.025		
1,900.00	1,887.02	1,879.11	1,878.85	9.02	8.60	-22.36	41.76	512.12	321.29	303.83	17.46	18.396		
2,000.00	1,986.12	1,980.52	1,980.22	9.46	9.01	-23.77	44.12	511.72	309.14	290.85	18.29	16.900		
2,100.00	2,085.22	2,088.15	2,087.61	9.90	9.44	-26.23	50.17	508.19	295.37	276.24	19.13	15.439		
2,200.00	2,184.32	2,197.75	2,196.62	10.34	9.89	-29.61	57.74	499.84	278.51	258.54	19.96	13.952		
2,300.00	2,283.42	2,298.54	2,296.73	10.78	10.31	-32.97	62.70	489.25	259.14	238.33	20.81	12.454		
2,400.00	2,382.52	2,393.40	2,391.06	11.23	10.72	-36.36	66.45	479.97	240.95	219.26	21.69	11.109		
2,500.00	2,481.62	2,488.43	2,485.67	11.68	11.13	-40.12	70.23	471.79	224.76	202.17	22.58	9.952		
2,600.00	2,580.72	2,586.00	2,582.85	12.13	11.55	-44.41	74.08	464.16	210.37	186.89	23.48	8.959		
2,700.00	2,679.82	2,684.36	2,680.81	12.58	11.97	-49.38	77.88	456.04	196.95	172.56	24.39	8.075		
2,800.00	2,778.92	2,781.75	2,777.74	13.03	12.40	-55.09	81.80	447.51	184.98	159.66	25.32	7.306		
2,900.00	2,878.02	2,879.25	2,874.58	13.48	12.84	-62.15	87.22	437.53	175.45	149.19	26.26	6.681		
3,000.00	2,977.12	2,973.54	2,968.26	13.94	13.26	-69.49	92.46	428.24	169.14	141.95	27.19	6.221		
3,100.00	3,076.22	3,070.48	3,064.56	14.39	13.70	-77.38	99.19	419.38	167.62	139.53	28.09	5.967		
3,106.15	3,082.32	3,076.56	3,070.60	14.42	13.73	-77.87	99.58	418.84	167.61	139.47	28.15	5.955 CC, ES		
3,200.00	3,175.32	3,169.08	3,162.61	14.85	14.15	-85.18	105.07	410.78	168.68	139.70	28.97	5.822		
3,300.00	3,274.43	3,264.37	3,257.40	15.30	14.58	-92.37	110.69	402.86	172.86	143.07	29.79	5.803		
3,400.00	3,373.53	3,361.53	3,354.08	15.76	15.02	-98.92	117.38	395.89	180.78	150.19	30.59	5.909		
3,500.00	3,472.63	3,459.79	3,451.90	16.22	15.46	-104.83	123.91	389.25	190.69	159.29	31.40	6.072		
3,600.00	3,571.73	3,558.32	3,550.02	16.68	15.91	-110.09	130.11	382.84	202.05	169.84	32.21	6.273		
3,700.00	3,670.83	3,656.12	3,647.44	17.14	16.35	-114.68	136.07	376.74	214.66	181.66	33.01	6.504		
3,800.00	3,769.93	3,765.99	3,756.98	17.59	16.85	-119.22	141.55	370.33	227.54	193.57	33.96	6.700		
3,900.00	3,869.03	3,862.02	3,852.87	18.05	17.27	-122.87	143.24	365.56	238.01	203.26	34.75	6.849		
4,000.00	3,968.13	3,960.00	3,950.70	18.51	17.70	-126.29	145.25	360.47	249.80	214.24	35.56	7.025		
4,100.00	4,067.23	4,067.50	4,058.15	18.98	18.15	-129.02	147.33	358.50	260.61	224.15	36.47	7.147		
4,200.00	4,166.33	4,173.28	4,163.92	19.44	18.58	-131.33	146.60	359.20	268.33	231.01	37.32	7.190		
4,300.00	4,265.43	4,272.01	4,262.64	19.90	18.97	-133.49	145.12	359.60	275.92	237.79	38.13	7.236		
4,400.00	4,364.53	4,371.68	4,362.29	20.36	19.36	-135.61	143.24	359.96	283.61	244.66	38.95	7.281		
4,500.00	4,463.63	4,469.58	4,460.17	20.82	19.75	-137.10	143.09	362.07	291.90	252.12	39.77	7.339		
4,600.00	4,562.73	4,565.87	4,556.42	21.28	20.14	-138.39	143.72	364.17	300.99	260.40	40.59	7.416		
4,700.00	4,661.83	4,661.56	4,652.09	21.75	20.53	-139.55	145.48	365.58	311.57	270.17	41.40	7.526		
4,800.00	4,760.93	4,758.96	4,749.45	22.21	20.94	-140.66	147.82	366.54	323.03	280.80	42.23	7.649		
4,900.00	4,860.04	4,858.93	4,849.40	22.67	21.36	-141.75	150.35	367.21	334.90	291.81	43.09	7.772		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	4,960.17	4,950.62	23.13	21.78	-142.94	151.69	367.60	346.22	302.26	43.96	7.876		
5,100.00	5,058.24	5,057.38	5,047.83	23.60	22.19	-144.36	151.39	366.58	357.56	312.77	44.79	7.983		
5,200.00	5,157.34	5,154.06	5,144.50	24.06	22.60	-145.70	151.53	364.91	369.89	324.27	45.62	8.108		
5,300.00	5,256.44	5,251.61	5,242.02	24.52	23.02	-146.95	152.04	363.05	382.82	336.36	46.46	8.239		
5,400.00	5,355.54	5,349.51	5,339.89	24.99	23.44	-148.11	152.76	360.98	396.20	348.89	47.31	8.375		
5,500.00	5,454.64	5,456.79	5,447.16	25.45	23.90	-149.32	153.06	359.20	409.13	360.89	48.25	8.480		
5,600.00	5,553.74	5,556.37	5,546.72	25.92	24.31	-150.47	151.71	358.29	420.59	371.49	49.10	8.566		
5,700.00	5,652.84	5,653.19	5,643.54	26.38	24.71	-151.45	151.09	357.50	432.58	382.64	49.94	8.663		
5,800.00	5,751.94	5,748.16	5,738.50	26.84	25.12	-152.30	151.28	356.49	445.37	394.61	50.76	8.774		
5,900.00	5,851.04	5,857.12	5,847.46	27.31	25.57	-153.16	151.59	356.02	457.81	406.11	51.70	8.854		
6,000.00	5,950.14	5,951.54	5,941.88	27.77	25.96	-153.79	151.97	356.50	469.62	417.10	52.52	8.942		
6,100.00	6,049.24	6,045.69	6,036.01	28.24	26.36	-154.32	153.34	356.53	482.47	429.14	53.33	9.046		
6,200.00	6,148.34	6,151.40	6,141.71	28.70	26.81	-154.91	154.43	356.74	494.98	440.73	54.26	9.123		
6,304.69	6,252.09	6,260.01	6,250.31	29.19	27.26	-155.46	155.88	356.96	508.36	453.16	55.20	9.210		
6,350.00	6,297.17	6,434.03	6,421.60	29.39	27.94	-166.35	157.00	383.20	508.73	453.90	54.82	9.280		
6,400.00	6,347.13	6,494.86	6,479.18	29.59	28.15	94.26	156.76	402.84	496.85	441.86	54.98	9.036		
6,450.00	6,397.02	6,567.74	6,546.87	29.78	28.41	57.69	156.95	429.79	480.68	425.94	54.74	8.781		
6,500.00	6,446.53	6,637.82	6,609.20	29.96	28.67	56.60	158.53	461.71	459.49	405.09	54.40	8.447		
6,550.00	6,495.35	6,696.14	6,659.83	30.14	28.90	60.48	158.24	490.65	434.90	380.63	54.27	8.013		
6,600.00	6,543.19	6,759.49	6,713.06	30.33	29.19	68.11	156.02	524.89	407.76	353.99	53.77	7.584		
6,650.00	6,589.76	6,807.50	6,750.98	30.52	29.42	76.76	153.95	554.25	379.25	325.37	53.88	7.039		
6,700.00	6,634.75	6,832.36	6,769.85	30.71	29.56	83.08	152.83	570.38	352.16	296.94	55.22	6.377		
6,750.00	6,677.90	6,851.00	6,783.74	30.91	29.67	88.40	151.99	582.79	328.61	271.74	56.87	5.778		
6,800.00	6,718.94	6,863.49	6,792.91	31.13	29.74	92.20	151.44	591.25	310.40	251.73	58.67	5.291		
6,850.00	6,757.62	6,870.64	6,798.12	31.36	29.78	94.38	151.12	596.14	299.19	238.93	60.26	4.965		
6,892.66	6,788.58	6,873.08	6,799.88	31.57	29.79	94.98	151.02	597.82	296.07	234.89	61.18	4.839		
6,900.00	6,793.70	6,873.19	6,799.97	31.61	29.79	94.97	151.01	597.90	296.16	234.88	61.28	4.833 SF		
6,950.00	6,826.95	6,871.78	6,798.94	31.88	29.79	94.06	151.07	596.92	301.69	240.15	61.54	4.902		
7,000.00	6,857.18	6,866.94	6,795.43	32.19	29.76	91.74	151.29	593.60	315.24	254.14	61.10	5.160		
7,050.00	6,884.18	6,859.14	6,789.73	32.52	29.71	88.16	151.63	588.29	335.62	275.40	60.21	5.574		
7,100.00	6,907.81	6,848.78	6,782.09	32.90	29.65	83.50	152.09	581.30	361.33	302.15	59.17	6.106		
7,150.00	6,927.91	6,836.18	6,772.72	33.32	29.58	78.00	152.66	572.91	390.92	332.74	58.18	6.719		
7,200.00	6,944.36	6,821.65	6,761.76	33.77	29.50	71.98	153.31	563.37	423.14	365.80	57.34	7.379		
7,250.00	6,957.05	6,804.00	6,748.29	34.27	29.40	65.60	154.11	552.01	456.97	400.34	56.63	8.069		
7,300.00	6,965.92	6,789.55	6,737.06	34.80	29.33	59.98	154.76	542.93	491.66	435.31	56.36	8.724		
7,350.00	6,970.89	6,773.06	6,724.00	35.37	29.25	54.56	155.46	532.89	526.68	470.46	56.22	9.369		
7,396.89	6,972.00	6,757.01	6,711.04	35.93	29.18	49.93	156.12	523.45	559.40	503.17	56.23	9.949		
7,400.00	6,971.96	6,755.93	6,710.16	35.97	29.17	49.85	156.16	522.82	561.56	505.33	56.23	9.986		
7,500.00	6,970.65	6,709.00	6,670.88	37.28	28.96	46.11	157.87	497.23	634.08	578.13	55.95	11.334		
7,600.00	6,969.33	6,685.58	6,650.72	38.76	28.86	44.35	158.46	485.30	710.24	653.71	56.53	12.565		
7,700.00	6,968.02	6,639.96	6,611.08	40.39	28.68	41.12	158.56	462.75	789.08	732.74	56.34	14.006		
7,800.00	6,966.70	6,614.00	6,588.29	42.15	28.58	39.38	157.99	450.32	869.94	813.23	56.71	15.340		
7,900.00	6,965.39	6,585.60	6,563.02	44.02	28.48	37.57	157.26	437.39	953.02	896.07	56.96	16.733		
8,000.00	6,964.07	6,567.73	6,546.86	45.99	28.41	36.50	156.95	429.78	1,038.36	980.98	57.38	18.097		
8,100.00	6,962.76	6,551.62	6,532.12	48.05	28.36	35.58	156.77	423.28	1,125.46	1,067.72	57.75	19.490		
8,200.00	6,961.45	6,519.00	6,501.84	50.19	28.24	33.82	156.68	411.15	1,214.42	1,156.63	57.78	21.017		
8,300.00	6,960.13	6,519.00	6,501.84	52.39	28.24	33.82	156.68	411.15	1,303.89	1,245.60	58.29	22.368		
8,400.00	6,958.82	6,519.00	6,501.84	54.65	28.24	33.82	156.68	411.15	1,394.80	1,336.09	58.70	23.761		
8,500.00	6,957.50	6,486.02	6,470.85	56.97	28.12	32.19	156.79	399.87	1,486.22	1,427.55	58.67	25.332		
8,600.00	6,956.19	6,467.08	6,452.96	59.33	28.06	31.31	156.86	393.64	1,578.35	1,519.56	58.79	26.847		
8,700.00	6,954.87	6,449.15	6,435.97	61.73	27.99	30.52	156.94	387.91	1,671.01	1,612.10	58.91	28.366		
8,800.00	6,953.56	6,424.00	6,412.05	64.16	27.90	29.46	157.05	380.15	1,764.19	1,705.24	58.95	29.928		

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 13N-6B-M
<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 13N-6B-M	<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		
8,900.00	6,952.24	6,424.00	6,412.05	66.63	27.90	29.46	157.05	380.15	1,857.76	1,798.57	59.19	31.386		
9,000.00	6,950.93	6,424.00	6,412.05	69.13	27.90	29.46	157.05	380.15	1,951.96	1,892.56	59.40	32.861		
9,100.00	6,949.61	6,424.00	6,412.05	71.65	27.90	29.46	157.05	380.15	2,046.72	1,987.14	59.58	34.352		
9,200.00	6,948.30	6,424.00	6,412.05	74.20	27.90	29.46	157.05	380.15	2,141.95	2,082.21	59.74	35.855		
9,300.00	6,946.98	6,424.00	6,412.05	76.77	27.90	29.46	157.05	380.15	2,237.60	2,177.72	59.88	37.369		
9,400.00	6,945.67	6,424.00	6,412.05	79.35	27.90	29.46	157.05	380.15	2,333.61	2,273.61	60.00	38.891		
9,500.00	6,944.35	6,424.00	6,412.05	81.95	27.90	29.46	157.05	380.15	2,429.95	2,369.83	60.11	40.422		
9,600.00	6,943.04	6,424.00	6,412.05	84.57	27.90	29.46	157.05	380.15	2,526.56	2,466.35	60.22	41.959		
9,700.00	6,941.73	6,383.80	6,373.24	87.21	27.75	27.88	157.11	369.71	2,621.39	2,561.25	60.14	43.590		
9,800.00	6,940.41	6,380.46	6,369.98	89.85	27.74	27.75	157.11	369.00	2,718.14	2,657.92	60.22	45.137		
9,900.00	6,939.10	6,377.33	6,366.92	92.51	27.73	27.63	157.10	368.35	2,815.10	2,754.80	60.30	46.687		
10,000.00	6,937.78	6,374.38	6,364.03	95.17	27.72	27.52	157.09	367.76	2,912.24	2,851.87	60.37	48.240		
10,100.00	6,936.47	6,371.60	6,361.30	97.85	27.71	27.42	157.08	367.23	3,009.55	2,949.11	60.44	49.794		
10,200.00	6,935.15	6,329.00	6,319.16	100.54	27.55	25.87	156.79	361.10	3,109.00	3,048.63	60.37	51.501		
10,300.00	6,933.84	6,329.00	6,319.16	103.23	27.55	25.87	156.79	361.10	3,206.35	3,145.91	60.45	53.044		
10,400.00	6,932.52	6,329.00	6,319.16	105.93	27.55	25.87	156.79	361.10	3,303.87	3,243.35	60.52	54.589		
10,500.00	6,931.21	6,329.00	6,319.16	108.64	27.55	25.87	156.79	361.10	3,401.53	3,340.93	60.59	56.136		
10,600.00	6,929.89	6,329.00	6,319.16	111.36	27.55	25.87	156.79	361.10	3,499.32	3,438.66	60.66	57.684		
10,700.00	6,928.58	6,329.00	6,319.16	114.08	27.55	25.87	156.79	361.10	3,597.23	3,536.50	60.73	59.233		
10,800.00	6,927.26	6,329.00	6,319.16	116.81	27.55	25.87	156.79	361.10	3,695.26	3,634.46	60.79	60.783		
10,900.00	6,925.95	6,329.00	6,319.16	119.54	27.55	25.87	156.79	361.10	3,793.39	3,732.53	60.86	62.333		
11,000.00	6,924.64	6,329.00	6,319.16	122.28	27.55	25.87	156.79	361.10	3,891.61	3,830.69	60.92	63.883		
11,100.00	6,923.32	6,329.00	6,319.16	125.02	27.55	25.87	156.79	361.10	3,989.92	3,928.94	60.98	65.432		
11,200.00	6,922.01	6,329.00	6,319.16	127.77	27.55	25.87	156.79	361.10	4,088.31	4,027.28	61.04	66.981		
11,300.00	6,920.69	6,329.00	6,319.16	130.52	27.55	25.87	156.79	361.10	4,186.78	4,125.69	61.10	68.529		
11,400.00	6,919.38	6,329.00	6,319.16	133.28	27.55	25.87	156.79	361.10	4,285.32	4,224.17	61.15	70.076		
11,500.00	6,918.06	6,329.00	6,319.16	136.04	27.55	25.87	156.79	361.10	4,383.93	4,322.72	61.21	71.621		
11,600.00	6,916.75	6,329.00	6,319.16	138.80	27.55	25.87	156.79	361.10	4,482.60	4,421.33	61.27	73.166		
11,700.00	6,915.43	6,329.00	6,319.16	141.56	27.55	25.87	156.79	361.10	4,581.32	4,520.00	61.32	74.708		
11,800.00	6,914.12	6,329.00	6,319.16	144.33	27.55	25.87	156.79	361.10	4,680.10	4,618.72	61.38	76.248		
11,900.00	6,912.80	6,329.00	6,319.16	147.10	27.55	25.87	156.79	361.10	4,778.93	4,717.50	61.44	77.787		
12,000.00	6,911.49	6,329.00	6,319.16	149.88	27.55	25.87	156.79	361.10	4,877.81	4,816.32	61.49	79.323		
12,100.00	6,910.17	6,329.00	6,319.16	152.65	27.55	25.87	156.79	361.10	4,976.74	4,915.19	61.55	80.857		
12,200.00	6,908.86	6,329.00	6,319.16	155.43	27.55	25.87	156.79	361.10	5,075.70	5,014.10	61.61	82.389		
12,300.00	6,907.54	6,329.00	6,319.16	158.21	27.55	25.87	156.79	361.10	5,174.71	5,113.04	61.66	83.918		
12,400.00	6,906.23	6,329.00	6,319.16	160.99	27.55	25.87	156.79	361.10	5,273.75	5,212.03	61.72	85.444		
12,500.00	6,904.92	6,329.00	6,319.16	163.78	27.55	25.87	156.79	361.10	5,372.83	5,311.05	61.78	86.967		
12,600.00	6,903.60	6,329.00	6,319.16	166.57	27.55	25.87	156.79	361.10	5,471.94	5,410.10	61.84	88.488		
12,700.00	6,902.29	6,329.00	6,319.16	169.35	27.55	25.87	156.79	361.10	5,571.08	5,509.19	61.90	90.005		
12,800.00	6,900.97	6,329.00	6,319.16	172.14	27.55	25.87	156.79	361.10	5,670.26	5,608.30	61.96	91.520		
12,900.00	6,899.66	6,329.00	6,319.16	174.94	27.55	25.87	156.79	361.10	5,769.46	5,707.44	62.02	93.031		
13,000.00	6,898.34	6,329.00	6,319.16	177.73	27.55	25.87	156.79	361.10	5,868.69	5,806.61	62.08	94.538		
13,100.00	6,897.03	6,329.00	6,319.16	180.53	27.55	25.87	156.79	361.10	5,967.94	5,905.80	62.14	96.043		
13,200.00	6,895.71	6,329.00	6,319.16	183.32	27.55	25.87	156.79	361.10	6,067.22	6,005.02	62.20	97.544		
13,300.00	6,894.40	6,329.00	6,319.16	186.12	27.55	25.87	156.79	361.10	6,166.53	6,104.26	62.26	99.041		
13,400.00	6,893.08	6,329.00	6,319.16	188.92	27.55	25.87	156.79	361.10	6,265.85	6,203.52	62.33	100.534		
13,500.00	6,891.77	6,329.00	6,319.16	191.72	27.55	25.87	156.79	361.10	6,365.20	6,302.81	62.39	102.024		
13,600.00	6,890.45	6,329.00	6,319.16	194.52	27.55	25.87	156.79	361.10	6,464.56	6,402.11	62.45	103.510		
13,700.00	6,889.14	6,329.00	6,319.16	197.32	27.55	25.87	156.79	361.10	6,563.95	6,501.43	62.52	104.992		
13,800.00	6,887.82	6,329.00	6,319.16	200.13	27.55	25.87	156.79	361.10	6,663.35	6,600.77	62.58	106.471		
13,900.00	6,886.51	6,329.00	6,319.16	202.93	27.55	25.87	156.79	361.10	6,762.77	6,700.12	62.65	107.945		
14,000.00	6,885.20	6,329.00	6,319.16	205.74	27.55	25.87	156.79	361.10	6,862.21	6,799.49	62.72	109.415		

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 13N-6B-M
<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 13N-6B-M	<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		
14,100.00	6,883.88	6,329.00	6,319.16	208.55	27.55	25.87	156.79	361.10	6,961.67	6,898.88	62.79	110.881		
14,200.00	6,882.57	6,329.00	6,319.16	211.35	27.55	25.87	156.79	361.10	7,061.14	6,998.28	62.85	112.343		
14,300.00	6,881.25	6,329.00	6,319.16	214.16	27.55	25.87	156.79	361.10	7,160.62	7,097.70	62.92	113.800		
14,400.00	6,879.94	6,329.00	6,319.16	216.97	27.55	25.87	156.79	361.10	7,260.12	7,197.13	62.99	115.254		
14,500.00	6,878.62	6,329.00	6,319.16	219.78	27.55	25.87	156.79	361.10	7,359.63	7,296.57	63.06	116.703		
14,600.00	6,877.31	6,329.00	6,319.16	222.59	27.55	25.87	156.79	361.10	7,459.16	7,396.02	63.13	118.147		
14,700.00	6,875.99	6,329.00	6,319.16	225.41	27.55	25.87	156.79	361.10	7,558.69	7,495.49	63.21	119.587		
14,800.00	6,874.68	6,329.00	6,319.16	228.22	27.55	25.87	156.79	361.10	7,658.24	7,594.96	63.28	121.023		
14,900.00	6,873.36	6,329.00	6,319.16	231.03	27.55	25.87	156.79	361.10	7,757.81	7,694.45	63.35	122.454		
15,000.00	6,872.05	6,329.00	6,319.16	233.85	27.55	25.87	156.79	361.10	7,857.38	7,793.95	63.43	123.881		
15,100.00	6,870.73	6,329.00	6,319.16	236.66	27.55	25.87	156.79	361.10	7,956.96	7,893.46	63.50	125.303		
15,200.00	6,869.42	6,329.00	6,319.16	239.48	27.55	25.87	156.79	361.10	8,056.55	7,992.98	63.58	126.720		
15,300.00	6,868.11	6,329.00	6,319.16	242.29	27.55	25.87	156.79	361.10	8,156.16	8,092.50	63.65	128.133		
15,400.00	6,866.79	6,329.00	6,319.16	245.11	27.55	25.87	156.79	361.10	8,255.77	8,192.04	63.73	129.541		
15,460.11	6,866.00	6,329.00	6,319.16	246.80	27.55	25.87	156.79	361.10	8,315.66	8,251.88	63.78	130.385		
15,460.74	6,865.99	6,329.00	6,319.16	246.82	27.55	25.87	156.79	361.10	8,316.28	8,252.50	63.78	130.394		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-74.41	256.85	-920.85	4,884.47					
100.00	100.00	0.00	0.00	3.28	0.00	-74.41	256.85	-920.85	4,786.44	4,779.54	6.91	692.954		
200.00	200.00	0.00	0.00	3.34	0.00	-74.41	256.85	-920.85	4,688.50	4,681.72	6.78	691.228		
300.00	299.98	0.00	0.00	3.44	0.00	-174.35	256.85	-920.85	4,591.03	4,584.37	6.66	689.665		
400.00	399.84	0.00	0.00	3.60	0.00	-175.03	256.85	-920.85	4,494.53	4,488.00	6.53	688.351		
500.00	499.45	0.00	0.00	3.80	0.00	-175.55	256.85	-920.85	4,399.18	4,392.78	6.41	686.777		
584.50	583.35	0.00	0.00	4.01	0.00	-175.90	256.85	-920.85	4,319.66	4,313.36	6.30	685.219		
600.00	598.71	0.00	0.00	4.05	0.00	-175.90	256.85	-920.85	4,305.18	4,298.89	6.28	685.276		
700.00	697.81	0.00	0.00	4.33	0.00	-175.90	256.85	-920.85	4,211.88	4,205.70	6.19	680.967		
800.00	796.91	0.00	0.00	4.64	0.00	-175.90	256.85	-920.85	4,118.91	4,112.81	6.10	675.600		
900.00	896.01	0.00	0.00	4.98	0.00	-175.90	256.85	-920.85	4,026.27	4,020.25	6.02	669.026		
1,000.00	995.11	0.00	0.00	5.34	0.00	-175.90	256.85	-920.85	3,933.99	3,928.04	5.95	661.087		
1,100.00	1,094.21	0.00	0.00	5.71	0.00	-175.90	256.85	-920.85	3,842.10	3,836.20	5.90	651.623		
1,200.00	1,193.31	0.00	0.00	6.10	0.00	-175.90	256.85	-920.85	3,750.62	3,744.77	5.86	640.482		
1,300.00	1,292.41	0.00	0.00	6.49	0.00	-175.90	256.85	-920.85	3,659.59	3,653.76	5.83	627.531		
1,400.00	1,391.51	0.00	0.00	6.90	0.00	-175.90	256.85	-920.85	3,569.04	3,563.22	5.83	612.665		
1,500.00	1,490.61	0.00	0.00	7.31	0.00	-175.90	256.85	-920.85	3,479.01	3,473.17	5.84	595.822		
1,600.00	1,589.71	0.00	0.00	7.73	0.00	-175.90	256.85	-920.85	3,389.54	3,383.66	5.87	576.997		
1,700.00	1,688.81	0.00	0.00	8.16	0.00	-175.90	256.85	-920.85	3,300.67	3,294.73	5.93	556.251		
1,800.00	1,787.92	0.00	0.00	8.59	0.00	-175.90	256.85	-920.85	3,212.45	3,206.43	6.02	533.718		
1,900.00	1,887.02	0.00	0.00	9.02	0.00	-175.90	256.85	-920.85	3,124.94	3,118.81	6.13	509.604		
2,000.00	1,986.12	0.00	0.00	9.46	0.00	-175.90	256.85	-920.85	3,038.21	3,031.93	6.27	484.183		
2,100.00	2,085.22	0.00	0.00	9.90	0.00	-175.90	256.85	-920.85	2,952.31	2,945.86	6.45	457.778		
2,200.00	2,184.32	0.00	0.00	10.34	0.00	-175.90	256.85	-920.85	2,867.33	2,860.68	6.66	430.748		
2,300.00	2,283.42	0.00	0.00	10.78	0.00	-175.90	256.85	-920.85	2,783.35	2,776.45	6.90	403.466		
2,400.00	2,382.52	0.00	0.00	11.23	0.00	-175.90	256.85	-920.85	2,700.46	2,693.28	7.18	376.295		
2,500.00	2,481.62	0.00	0.00	11.68	0.00	-175.90	256.85	-920.85	2,618.76	2,611.27	7.49	349.572		
2,600.00	2,580.72	0.00	0.00	12.13	0.00	-175.90	256.85	-920.85	2,538.38	2,530.53	7.84	323.594		
2,700.00	2,679.82	0.00	0.00	12.58	0.00	-175.90	256.85	-920.85	2,459.43	2,451.20	8.24	298.609		
2,800.00	2,778.92	0.00	0.00	13.03	0.00	-175.90	256.85	-920.85	2,382.07	2,373.40	8.67	274.812		
2,900.00	2,878.02	0.00	0.00	13.48	0.00	-175.90	256.85	-920.85	2,306.45	2,297.31	9.14	252.349		
3,000.00	2,977.12	0.00	0.00	13.94	0.00	-175.90	256.85	-920.85	2,232.74	2,223.09	9.65	231.315		
3,100.00	3,076.22	0.00	0.00	14.39	0.00	-175.90	256.85	-920.85	2,161.15	2,150.95	10.21	211.766		
3,200.00	3,175.32	0.00	0.00	14.85	0.00	-175.90	256.85	-920.85	2,091.89	2,081.09	10.80	193.722		
3,300.00	3,274.43	0.00	0.00	15.30	0.00	-175.90	256.85	-920.85	2,025.21	2,013.77	11.43	177.175		
3,400.00	3,373.53	0.00	0.00	15.76	0.00	-175.90	256.85	-920.85	1,961.35	1,949.25	12.10	162.095		
3,500.00	3,472.63	0.00	0.00	16.22	0.00	-175.90	256.85	-920.85	1,900.62	1,887.81	12.80	148.438		
3,600.00	3,571.73	0.00	0.00	16.68	0.00	-175.90	256.85	-920.85	1,843.31	1,829.77	13.54	136.147		
3,700.00	3,670.83	0.00	0.00	17.14	0.00	-175.90	256.85	-920.85	1,789.76	1,775.46	14.30	125.160		
3,800.00	3,769.93	0.00	0.00	17.59	0.00	-175.90	256.85	-920.85	1,740.31	1,725.23	15.08	115.411		
3,900.00	3,869.03	0.00	0.00	18.05	0.00	-175.90	256.85	-920.85	1,695.32	1,679.45	15.87	106.830		
4,000.00	3,968.13	0.00	0.00	18.51	0.00	-175.90	256.85	-920.85	1,655.16	1,638.50	16.66	99.351		
4,100.00	4,067.23	0.00	0.00	18.98	0.00	-175.90	256.85	-920.85	1,620.18	1,602.74	17.44	92.908		
4,200.00	4,166.33	0.00	0.00	19.44	0.00	-175.90	256.85	-920.85	1,590.73	1,572.54	18.19	87.436		
4,300.00	4,265.43	0.00	0.00	19.90	0.00	-175.90	256.85	-920.85	1,567.12	1,548.21	18.91	82.875		
4,400.00	4,364.53	0.00	0.00	20.36	0.00	-175.90	256.85	-920.85	1,549.62	1,530.04	19.57	79.168		
4,500.00	4,463.63	0.00	0.00	20.82	0.00	-175.90	256.85	-920.85	1,538.43	1,518.25	20.17	76.260		
4,600.00	4,562.73	0.00	0.00	21.28	0.00	-175.90	256.85	-920.85	1,533.69	1,512.99	20.70	74.101		
4,622.79	4,585.32	0.00	0.00	21.39	0.00	-175.90	256.85	-920.85	1,533.52	1,512.71	20.81	73.709		
4,700.00	4,661.83	0.00	0.00	21.75	0.00	-175.90	256.85	-920.85	1,535.46	1,514.32	21.14	72.644		
4,800.00	4,760.93	0.00	0.00	22.21	0.00	-175.90	256.85	-920.85	1,543.72	1,522.24	21.49	71.845		
4,900.00	4,860.04	63.82	63.82	22.67	0.19	-175.93	256.59	-921.04	1,556.94	1,534.87	22.07	70.544		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	154.10	154.10	23.13	0.59	-175.99	256.05	-921.81	1,570.97	1,548.07	22.90	68.615		
5,100.00	5,058.24	246.69	246.67	23.60	1.00	-176.06	255.24	-923.10	1,585.47	1,561.74	23.73	66.800		
5,200.00	5,157.34	343.71	343.68	24.06	1.43	-176.14	254.38	-924.76	1,600.27	1,575.67	24.60	65.045		
5,300.00	5,256.44	449.06	448.99	24.52	1.89	-176.25	252.60	-926.49	1,614.84	1,589.32	25.52	63.267		
5,400.00	5,355.54	552.87	552.74	24.99	2.35	-176.41	249.37	-928.32	1,629.23	1,602.79	26.44	61.623		
5,500.00	5,454.64	662.23	661.97	25.45	2.84	-176.62	244.44	-929.82	1,642.94	1,615.55	27.39	59.981		
5,600.00	5,553.74	761.88	761.42	25.92	3.29	-176.87	238.27	-931.29	1,656.43	1,628.14	28.29	58.555		
5,700.00	5,652.84	857.19	856.42	26.38	3.73	-177.16	230.86	-933.07	1,670.01	1,640.85	29.17	57.261		
5,800.00	5,751.94	942.79	941.68	26.84	4.12	-177.44	223.52	-935.18	1,684.07	1,654.09	29.98	56.166		
5,900.00	5,851.04	1,023.32	1,021.82	27.31	4.51	-177.72	216.19	-938.11	1,699.20	1,668.43	30.77	55.222		
6,000.00	5,950.14	1,108.21	1,106.25	27.77	4.91	-178.02	208.26	-942.08	1,715.33	1,683.74	31.59	54.304		
6,100.00	6,049.24	1,200.10	1,197.62	28.24	5.35	-178.35	199.72	-946.77	1,731.96	1,699.50	32.46	53.364		
6,200.00	6,148.34	1,283.82	1,280.90	28.70	5.76	-178.62	192.56	-951.48	1,749.28	1,716.02	33.26	52.591		
6,304.69	6,252.09	1,395.71	1,392.25	29.19	6.29	-178.96	183.72	-957.95	1,767.76	1,733.48	34.28	51.564		
6,350.00	6,297.17	1,440.65	1,436.96	29.39	6.51	-168.72	179.92	-960.42	1,774.04	1,739.34	34.70	51.129		
6,400.00	6,347.13	1,491.49	1,487.49	29.59	6.76	67.08	175.03	-963.29	1,777.32	1,742.17	35.15	50.566		
6,450.00	6,397.02	1,565.99	1,561.44	29.78	7.13	26.72	166.84	-967.12	1,776.40	1,740.64	35.76	49.671		
6,500.00	6,446.53	1,656.70	1,651.26	29.96	7.59	19.97	154.75	-970.47	1,770.79	1,734.30	36.48	48.536		
6,550.00	6,495.35	1,731.16	1,724.77	30.14	7.98	17.36	142.95	-972.00	1,760.35	1,723.27	37.07	47.482		
6,600.00	6,543.19	1,798.43	1,791.20	30.33	8.32	16.10	132.35	-972.54	1,745.63	1,708.03	37.60	46.429		
6,650.00	6,589.76	1,863.21	1,855.24	30.52	8.65	15.53	122.62	-972.28	1,726.78	1,688.69	38.09	45.338		
6,700.00	6,634.75	1,896.99	1,888.66	30.71	8.83	15.40	117.66	-972.03	1,704.32	1,665.96	38.36	44.426		
6,750.00	6,677.90	1,928.35	1,919.66	30.91	8.99	15.57	112.98	-972.04	1,678.80	1,640.19	38.61	43.481		
6,800.00	6,718.94	1,960.00	1,950.95	31.13	9.15	15.99	108.19	-972.27	1,650.34	1,611.50	38.85	42.483		
6,850.00	6,757.62	1,990.69	1,981.27	31.36	9.31	16.67	103.48	-972.68	1,619.05	1,579.98	39.07	41.439		
6,900.00	6,793.70	2,021.23	2,011.44	31.61	9.47	17.64	98.74	-973.21	1,585.02	1,545.73	39.29	40.346		
6,950.00	6,826.95	2,049.72	2,039.56	31.88	9.62	18.98	94.27	-973.82	1,548.45	1,508.97	39.48	39.221		
7,000.00	6,857.18	2,086.43	2,075.81	32.19	9.81	20.86	88.52	-974.61	1,509.45	1,469.72	39.73	37.994		
7,050.00	6,884.18	2,121.33	2,110.30	32.52	10.00	23.48	83.19	-975.18	1,468.12	1,428.15	39.96	36.737		
7,100.00	6,907.81	2,151.53	2,140.16	32.90	10.16	27.11	78.69	-975.51	1,424.75	1,384.58	40.16	35.473		
7,150.00	6,927.91	2,164.56	2,153.05	33.32	10.23	31.76	76.78	-975.67	1,379.78	1,339.53	40.25	34.280		
7,200.00	6,944.36	2,176.53	2,164.89	33.77	10.29	38.29	75.04	-975.86	1,333.54	1,293.21	40.33	33.063		
7,250.00	6,957.05	2,186.15	2,174.41	34.27	10.34	47.51	73.65	-976.05	1,286.31	1,245.90	40.41	31.831		
7,300.00	6,965.92	2,193.31	2,181.49	34.80	10.38	60.37	72.62	-976.20	1,238.34	1,197.86	40.48	30.589		
7,350.00	6,970.89	2,197.87	2,186.00	35.37	10.40	77.01	71.97	-976.31	1,189.95	1,149.39	40.56	29.341		
7,396.89	6,972.00	2,199.69	2,187.80	35.93	10.41	94.19	71.71	-976.36	1,144.44	1,103.81	40.63	28.170		
7,400.00	6,971.96	2,199.73	2,187.84	35.97	10.41	94.20	71.70	-976.36	1,141.43	1,100.79	40.63	28.092		
7,500.00	6,970.65	2,201.02	2,189.12	37.28	10.42	94.46	71.52	-976.39	1,044.75	1,003.92	40.82	25.592		
7,600.00	6,969.33	2,202.38	2,190.46	38.76	10.42	94.74	71.32	-976.43	948.75	907.65	41.11	23.080		
7,700.00	6,968.02	2,203.80	2,191.87	40.39	10.43	95.03	71.12	-976.46	853.68	812.15	41.53	20.556		
7,800.00	6,966.70	2,205.29	2,193.35	42.15	10.44	95.34	70.91	-976.50	759.87	717.70	42.16	18.023		
7,900.00	6,965.39	2,206.86	2,194.90	44.02	10.45	95.66	70.68	-976.55	667.85	624.72	43.13	15.486		
8,000.00	6,964.07	2,208.52	2,196.54	45.99	10.46	96.00	70.45	-976.59	578.47	533.86	44.61	12.967		
8,100.00	6,962.76	2,210.27	2,198.27	48.05	10.46	96.36	70.20	-976.64	493.20	446.27	46.93	10.510		
8,200.00	6,961.45	2,212.11	2,200.09	50.19	10.47	96.74	69.94	-976.70	414.54	364.05	50.49	8.211		
8,300.00	6,960.13	2,214.06	2,202.02	52.39	10.48	97.14	69.66	-976.75	347.04	291.41	55.63	6.238		
8,400.00	6,958.82	2,216.13	2,204.07	54.65	10.50	97.56	69.37	-976.82	298.36	236.55	61.81	4.827		
8,500.00	6,957.50	2,218.32	2,206.24	56.97	10.51	98.02	69.06	-976.88	278.56	212.21	66.35	4.198		
8,507.16	6,957.41	2,218.48	2,206.40	57.13	10.51	98.05	69.04	-976.89	278.47	211.95	66.52	4.186 CC, ES, SF		
8,600.00	6,956.19	2,220.65	2,208.54	59.33	10.52	98.50	68.73	-976.96	293.53	227.16	66.37	4.422		
8,700.00	6,954.87	2,223.13	2,211.00	61.73	10.53	99.01	68.38	-977.04	338.69	275.75	62.94	5.381		
8,800.00	6,953.56	2,225.79	2,213.62	64.16	10.55	99.55	68.01	-977.13	404.05	345.22	58.83	6.868		

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 13N-6B-M
<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 13N-6B-M	<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		
8,900.00	6,952.24	2,228.62	2,216.43	66.63	10.56	100.13	67.61	-977.22	481.43	426.08	55.35	8.697		
9,000.00	6,950.93	2,231.66	2,219.44	69.13	10.58	100.76	67.18	-977.33	565.94	513.23	52.71	10.738		
9,100.00	6,949.61	2,234.93	2,222.68	71.65	10.59	101.43	66.73	-977.45	654.81	604.08	50.73	12.907		
9,200.00	6,948.30	2,238.46	2,226.16	74.20	10.61	102.15	66.23	-977.58	746.50	697.24	49.26	15.156		
9,300.00	6,946.98	2,242.27	2,229.93	76.77	10.63	102.93	65.70	-977.72	840.06	791.93	48.13	17.453		
9,400.00	6,945.67	2,246.40	2,234.02	79.35	10.65	103.77	65.13	-977.89	934.95	887.69	47.26	19.782		
9,500.00	6,944.35	2,250.90	2,238.48	81.95	10.68	104.69	64.51	-978.07	1,030.79	984.21	46.58	22.129		
9,600.00	6,943.04	2,255.82	2,243.34	84.57	10.70	105.68	63.83	-978.28	1,127.34	1,081.31	46.04	24.488		
9,700.00	6,941.73	2,261.21	2,248.67	87.21	10.73	106.77	63.09	-978.51	1,224.43	1,178.83	45.60	26.853		
9,800.00	6,940.41	2,261.38	2,248.84	89.85	10.73	106.80	63.02	-978.49	1,321.97	1,276.71	45.26	29.209		
9,900.00	6,939.10	2,265.50	2,252.91	92.51	10.76	107.63	62.43	-978.66	1,419.83	1,374.86	44.97	31.573		
10,000.00	6,937.78	2,269.73	2,257.10	95.17	10.78	108.47	61.83	-978.83	1,517.96	1,473.23	44.73	33.937		
10,100.00	6,936.47	2,274.08	2,261.40	97.85	10.80	109.33	61.21	-979.01	1,616.30	1,571.77	44.53	36.297		
10,200.00	6,935.15	2,278.55	2,265.82	100.54	10.83	110.22	60.56	-979.20	1,714.83	1,670.47	44.36	38.653		
10,300.00	6,933.84	2,283.15	2,270.36	103.23	10.85	111.12	59.89	-979.40	1,813.51	1,769.29	44.23	41.005		
10,400.00	6,932.52	2,287.88	2,275.04	105.93	10.88	112.04	59.20	-979.61	1,912.33	1,868.21	44.11	43.352		
10,500.00	6,931.21	2,292.76	2,279.86	108.64	10.90	112.98	58.49	-979.82	2,011.24	1,967.23	44.02	45.693		
10,600.00	6,929.89	2,297.78	2,284.82	111.36	10.93	113.94	57.75	-980.05	2,110.26	2,066.32	43.94	48.028		
10,700.00	6,928.58	2,302.96	2,289.94	114.08	10.96	114.92	56.98	-980.28	2,209.35	2,165.48	43.87	50.356		
10,800.00	6,927.26	2,308.29	2,295.21	116.81	10.98	115.92	56.19	-980.52	2,308.51	2,264.69	43.82	52.677		
10,900.00	6,925.95	2,313.79	2,300.64	119.54	11.01	116.95	55.37	-980.78	2,407.74	2,363.95	43.78	54.990		
11,000.00	6,924.64	2,319.47	2,306.25	122.28	11.04	117.99	54.51	-981.04	2,507.01	2,463.26	43.76	57.296		
11,100.00	6,923.32	2,325.33	2,312.04	125.02	11.08	119.05	53.62	-981.32	2,606.34	2,562.60	43.73	59.594		
11,200.00	6,922.01	2,331.39	2,318.01	127.77	11.11	120.13	52.70	-981.61	2,705.70	2,661.98	43.72	61.884		
11,300.00	6,920.69	2,337.65	2,324.19	130.52	11.14	121.24	51.74	-981.91	2,805.10	2,761.38	43.72	64.164		
11,400.00	6,919.38	2,344.12	2,330.58	133.28	11.18	122.36	50.74	-982.23	2,904.53	2,860.81	43.72	66.436		
11,500.00	6,918.06	2,350.82	2,337.18	136.04	11.21	123.50	49.70	-982.56	3,003.99	2,960.27	43.73	68.699		
11,600.00	6,916.75	2,357.12	2,343.47	138.80	11.24	124.65	48.81	-982.82	3,103.51	3,011.49	43.73	70.962		
11,700.00	6,915.43	2,363.42	2,349.77	141.56	11.27	125.80	47.89	-983.09	3,203.03	3,111.01	43.73	73.225		
11,800.00	6,914.12	2,369.72	2,356.07	144.33	11.30	126.95	46.97	-983.36	3,302.58	3,210.56	43.73	75.488		
11,900.00	6,912.80	2,376.02	2,362.37	147.10	11.33	128.10	46.05	-983.63	3,402.16	3,310.14	43.73	77.751		
12,000.00	6,911.49	2,382.32	2,368.67	149.86	11.36	129.25	45.13	-983.90	3,501.75	3,409.73	43.73	80.014		
12,100.00	6,910.17	2,388.62	2,374.97	152.63	11.39	130.40	44.21	-984.17	3,601.37	3,509.35	43.73	82.277		
12,200.00	6,908.86	2,394.92	2,381.27	155.40	11.42	131.55	43.29	-984.44	3,701.00	3,608.98	43.73	84.540		
12,300.00	6,907.54	2,401.22	2,387.57	158.17	11.45	132.70	42.37	-984.71	3,800.65	3,708.63	43.73	86.803		
12,400.00	6,906.23	2,407.52	2,393.87	160.94	11.48	133.85	41.45	-984.98	3,900.32	3,808.30	43.73	89.066		
12,500.00	6,904.92	2,413.82	2,400.17	163.71	11.51	135.00	40.53	-985.25	4,000.00	3,907.98	43.73	91.329		
12,600.00	6,903.60	2,420.12	2,406.47	166.48	11.54	136.15	39.61	-985.52	4,099.70	4,007.68	43.73	93.592		
12,700.00	6,902.29	2,426.42	2,412.77	169.25	11.57	137.30	38.69	-985.79	4,199.40	4,107.38	43.73	95.855		
12,800.00	6,900.97	2,432.72	2,419.07	172.02	11.60	138.45	37.77	-986.06	4,299.12	4,207.10	43.73	98.118		
12,900.00	6,899.66	2,439.02	2,425.37	174.79	11.63	139.60	36.85	-986.33	4,398.85	4,306.83	43.73	100.381		
13,000.00	6,898.34	2,445.32	2,431.67	177.56	11.66	140.75	35.93	-986.60	4,498.59	4,406.57	43.73	102.644		
13,100.00	6,897.03	2,451.62	2,437.97	180.33	11.69	141.90	35.01	-986.87	4,598.34	4,506.32	43.73	104.907		
13,200.00	6,895.71	2,457.92	2,444.27	183.10	11.72	143.05	34.09	-987.14	4,698.10	4,606.08	43.73	107.170		
13,300.00	6,894.40	2,464.22	2,450.57	185.87	11.75	144.20	33.17	-987.41	4,797.87	4,705.85	43.73	109.433		
13,400.00	6,893.08	2,470.52	2,456.87	188.64	11.78	145.35	32.25	-987.68	4,897.65	4,805.63	43.73	111.696		
13,500.00	6,891.77	2,476.82	2,463.17	191.41	11.81	146.50	31.33	-987.95	4,997.43	4,905.41	43.73	113.959		
13,600.00	6,890.45	2,483.12	2,469.47	194.18	11.84	147.65	30.41	-988.22	5,097.22	5,005.20	43.73	116.222		
13,700.00	6,889.14	2,489.42	2,475.77	196.95	11.87	148.80	29.49	-988.49	5,197.02	5,105.00	43.73	118.485		
13,800.00	6,887.82	2,495.72	2,482.07	199.72	11.90	149.95	28.57	-988.76	5,296.82	5,204.80	43.73	120.748		
13,900.00	6,886.51	2,502.02	2,488.37	202.49	11.93	151.10	27.65	-989.03	5,396.63	5,304.61	43.73	123.011		
14,000.00	6,885.20	2,508.32	2,494.67	205.26	11.96	152.25	26.73	-989.30	5,496.45	5,404.43	43.73	125.274		

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 13N-6B-M
<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 13N-6B-M	<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 22-5-4NBHZ - OH - OH												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 39-MWD												<b>Offset Well Error:</b>	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	6,883.88	2,400.50	2,386.25	208.55	11.48	131.31	42.16	-984.69	5,596.27	5,551.39	44.88	124.687	
14,200.00	6,882.57	2,402.22	2,387.95	211.35	11.49	131.56	41.90	-984.76	5,696.10	5,651.15	44.95	126.718	
14,300.00	6,881.25	2,403.91	2,389.61	214.16	11.50	131.80	41.65	-984.83	5,795.93	5,750.91	45.02	128.740	
14,400.00	6,879.94	2,405.57	2,391.26	216.97	11.51	132.04	41.40	-984.89	5,895.76	5,850.67	45.09	130.752	
14,500.00	6,878.62	2,407.21	2,392.87	219.78	11.52	132.27	41.15	-984.96	5,995.61	5,950.44	45.16	132.755	
14,600.00	6,877.31	2,408.82	2,394.46	222.59	11.52	132.50	40.91	-985.02	6,095.45	6,050.22	45.24	134.748	
14,700.00	6,875.99	2,410.40	2,396.03	225.41	11.53	132.72	40.67	-985.08	6,195.30	6,149.99	45.31	136.731	
14,800.00	6,874.68	2,411.97	2,397.57	228.22	11.54	132.94	40.44	-985.14	6,295.15	6,249.77	45.39	138.705	
14,900.00	6,873.36	2,413.50	2,399.09	231.03	11.55	133.16	40.21	-985.20	6,395.01	6,349.55	45.46	140.669	
15,000.00	6,872.05	2,432.00	2,417.37	233.85	11.65	135.65	37.44	-985.87	6,494.92	6,449.33	45.58	142.480	
15,100.00	6,870.73	2,432.00	2,417.37	236.66	11.65	135.65	37.44	-985.87	6,594.78	6,549.12	45.66	144.434	
15,200.00	6,869.42	2,432.00	2,417.37	239.48	11.65	135.65	37.44	-985.87	6,694.64	6,648.90	45.74	146.378	
15,300.00	6,868.11	2,432.00	2,417.37	242.29	11.65	135.65	37.44	-985.87	6,794.50	6,748.69	45.81	148.313	
15,400.00	6,866.79	2,432.00	2,417.37	245.11	11.65	135.65	37.44	-985.87	6,894.37	6,848.48	45.89	150.238	
15,460.11	6,866.00	2,432.00	2,417.37	246.80	11.65	135.65	37.44	-985.87	6,954.41	6,908.47	45.94	151.391	
15,460.74	6,865.99	2,432.00	2,417.37	246.82	11.65	135.65	37.44	-985.87	6,955.03	6,909.09	45.94	151.403	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-72.85	287.09	-930.32	974.31					
100.00	100.00	58.96	58.96	3.28	3.29	-72.85	287.12	-930.40	973.70	967.13	6.57	148.148		
200.00	200.00	150.35	150.34	3.34	3.34	-72.85	287.41	-931.13	974.56	967.88	6.68	145.942		
300.00	299.98	260.12	260.11	3.44	3.46	-171.87	287.45	-932.14	977.19	970.28	6.90	141.566		
400.00	399.84	347.37	347.34	3.60	3.60	-171.99	286.12	-933.49	983.39	976.19	7.20	136.567		
500.00	499.45	434.10	433.97	3.80	3.77	-172.23	283.22	-936.38	994.23	986.64	7.58	131.104		
584.50	583.35	499.87	499.55	4.01	3.93	-172.50	279.78	-939.95	1,007.34	999.39	7.95	126.657		
600.00	598.71	511.78	511.40	4.05	3.96	-172.57	279.01	-940.77	1,010.14	1,002.11	8.03	125.818		
700.00	697.81	585.42	584.54	4.33	4.17	-173.06	273.21	-947.14	1,029.50	1,020.99	8.51	120.966		
800.00	796.91	666.69	664.82	4.64	4.43	-173.73	264.85	-956.51	1,051.08	1,042.02	9.06	116.002		
900.00	896.01	771.47	768.10	4.98	4.81	-174.64	252.73	-969.42	1,073.36	1,063.62	9.73	110.287		
1,000.00	995.11	873.02	868.07	5.34	5.23	-175.55	239.41	-981.31	1,094.91	1,084.45	10.46	104.722		
1,100.00	1,094.21	1,039.25	1,031.16	5.71	5.98	-177.23	211.69	-997.02	1,114.18	1,102.65	11.53	96.636		
1,200.00	1,193.31	1,182.31	1,170.51	6.10	6.68	-178.93	179.96	-1,003.15	1,127.36	1,114.76	12.60	89.472		
1,300.00	1,292.41	1,305.73	1,289.99	6.49	7.34	-179.49	149.24	-1,006.33	1,139.36	1,125.72	13.64	83.528		
1,400.00	1,391.51	1,408.49	1,389.04	6.90	7.91	-178.14	121.87	-1,006.58	1,149.26	1,134.65	14.61	78.658		
1,500.00	1,490.61	1,501.14	1,478.29	7.31	8.45	-176.93	97.05	-1,007.15	1,160.11	1,144.56	15.55	74.598		
1,600.00	1,589.71	1,584.44	1,558.70	7.73	8.95	-175.89	75.28	-1,008.11	1,172.11	1,155.66	16.45	71.258		
1,700.00	1,688.81	1,682.64	1,653.76	8.16	9.54	-174.73	50.70	-1,009.81	1,185.26	1,167.82	17.44	67.950		
1,800.00	1,787.92	1,781.71	1,749.92	8.59	10.14	-173.64	26.93	-1,011.10	1,198.52	1,180.08	18.45	64.978		
1,900.00	1,887.02	1,868.00	1,833.70	9.02	10.66	-172.71	6.30	-1,012.09	1,212.10	1,192.73	19.37	62.569		
2,000.00	1,986.12	1,936.20	1,900.19	9.46	11.07	-172.05	-8.78	-1,013.93	1,227.69	1,207.52	20.16	60.888		
2,100.00	2,085.22	2,016.13	1,978.67	9.90	11.51	-171.43	-23.28	-1,018.15	1,245.90	1,224.90	21.00	59.338		
2,200.00	2,184.32	2,169.97	2,130.99	10.34	12.29	-170.62	-44.05	-1,023.03	1,262.11	1,239.87	22.23	56.766		
2,300.00	2,283.42	2,260.05	2,220.67	10.78	12.70	-170.34	-52.20	-1,024.70	1,277.20	1,254.14	23.06	55.391		
2,400.00	2,382.52	2,368.54	2,328.95	11.23	13.15	-170.16	-58.70	-1,026.41	1,292.01	1,268.07	23.94	53.961		
2,500.00	2,481.62	2,480.16	2,440.51	11.68	13.58	-170.13	-61.96	-1,027.29	1,306.03	1,281.22	24.81	52.637		
2,600.00	2,580.72	2,579.83	2,540.18	12.13	13.94	-170.18	-62.98	-1,027.54	1,319.48	1,293.87	25.61	51.523		
2,700.00	2,679.82	2,685.81	2,646.15	12.58	14.29	-170.32	-62.24	-1,027.46	1,332.58	1,306.18	26.40	50.477		
2,800.00	2,778.92	2,780.08	2,740.40	13.03	14.58	-170.48	-60.54	-1,027.40	1,345.70	1,318.57	27.13	49.610		
2,900.00	2,878.02	2,875.55	2,835.84	13.48	14.88	-170.69	-57.87	-1,027.70	1,359.20	1,331.34	27.86	48.787		
3,000.00	2,977.12	2,969.41	2,929.67	13.94	15.17	-170.88	-55.36	-1,028.15	1,372.88	1,344.29	28.59	48.014		
3,100.00	3,076.22	3,059.59	3,019.81	14.39	15.47	-171.05	-53.12	-1,029.16	1,387.21	1,357.89	29.32	47.314		
3,200.00	3,175.32	3,166.29	3,126.46	14.85	15.82	-171.25	-50.41	-1,030.60	1,401.80	1,371.68	30.12	46.537		
3,300.00	3,274.43	3,262.49	3,222.58	15.30	16.14	-171.50	-46.47	-1,031.27	1,415.76	1,384.88	30.88	45.853		
3,400.00	3,373.53	3,357.11	3,317.13	15.76	16.46	-171.71	-43.08	-1,032.41	1,430.24	1,398.61	31.63	45.217		
3,500.00	3,472.63	3,487.79	3,447.74	16.22	16.90	-171.97	-38.93	-1,032.44	1,443.50	1,410.95	32.55	44.346		
3,600.00	3,571.73	3,578.39	3,538.30	16.68	17.21	-172.15	-36.32	-1,031.95	1,456.27	1,422.97	33.30	43.733		
3,700.00	3,670.83	3,673.89	3,633.77	17.14	17.55	-172.31	-33.81	-1,031.77	1,469.40	1,435.33	34.08	43.122		
3,800.00	3,769.93	3,780.66	3,740.51	17.59	17.93	-172.49	-31.29	-1,031.68	1,482.66	1,447.76	34.91	42.474		
3,900.00	3,869.03	3,890.19	3,849.99	18.05	18.32	-172.67	-28.60	-1,030.49	1,494.92	1,459.16	35.75	41.810		
4,000.00	3,968.13	3,993.17	3,952.94	18.51	18.69	-172.83	-26.16	-1,029.06	1,506.88	1,470.31	36.58	41.199		
4,100.00	4,067.23	4,077.52	4,037.26	18.98	18.99	-172.97	-23.88	-1,028.14	1,519.18	1,481.87	37.31	40.713		
4,200.00	4,166.33	4,166.93	4,126.62	19.44	19.32	-173.13	-21.19	-1,027.93	1,532.35	1,494.27	38.08	40.244		
4,300.00	4,265.43	4,271.78	4,231.42	19.90	19.71	-173.32	-17.71	-1,027.88	1,545.72	1,506.80	38.92	39.720		
4,400.00	4,364.53	4,390.76	4,350.32	20.36	20.14	-173.54	-13.68	-1,026.39	1,557.86	1,518.04	39.82	39.120		
4,500.00	4,463.63	4,481.35	4,440.86	20.82	20.48	-173.69	-11.04	-1,025.15	1,569.95	1,529.35	40.60	38.669		
4,600.00	4,562.73	4,572.42	4,531.89	21.28	20.83	-173.82	-8.68	-1,024.51	1,582.68	1,541.30	41.38	38.246		
4,700.00	4,661.83	4,665.79	4,625.24	21.75	21.18	-173.95	-6.49	-1,024.15	1,595.73	1,553.55	42.18	37.834		
4,800.00	4,760.93	4,754.65	4,714.08	22.21	21.53	-174.06	-4.81	-1,024.31	1,609.31	1,566.36	42.95	37.467		
4,900.00	4,860.04	4,861.15	4,820.55	22.67	21.94	-174.19	-2.55	-1,024.89	1,623.30	1,579.47	43.82	37.041		
5,000.00	4,959.14	4,988.54	4,947.93	23.13	22.44	-174.33	-0.48	-1,023.87	1,635.91	1,591.11	44.80	36.514		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,098.96	5,058.30	23.60	22.87	174.44	1.27	-1,021.39	1,647.08	1,601.38	45.69	36.047		
5,200.00	5,157.34	5,186.49	5,145.81	24.06	23.21	174.51	2.05	-1,019.70	1,658.53	1,612.06	46.47	35.687		
5,300.00	5,256.44	5,270.31	5,229.63	24.52	23.54	174.57	2.45	-1,018.67	1,670.69	1,623.45	47.24	35.368		
5,400.00	5,355.54	5,362.62	5,321.93	24.99	23.91	174.62	2.87	-1,018.75	1,684.09	1,636.04	48.05	35.051		
5,500.00	5,454.64	5,535.87	5,495.07	25.45	24.62	174.62	0.44	-1,013.98	1,694.26	1,644.99	49.27	34.387		
5,600.00	5,553.74	5,617.97	5,577.08	25.92	24.95	174.60	-1.57	-1,010.65	1,703.43	1,653.38	50.05	34.033		
5,700.00	5,652.84	5,692.00	5,651.09	26.38	25.25	174.62	-1.86	-1,008.92	1,714.31	1,663.53	50.78	33.758		
5,800.00	5,751.94	5,769.36	5,728.44	26.84	25.56	174.69	-0.85	-1,008.11	1,726.58	1,675.07	51.51	33.518		
5,900.00	5,851.04	5,846.22	5,805.27	27.31	25.87	174.78	0.97	-1,007.82	1,739.71	1,687.48	52.23	33.309		
6,000.00	5,950.14	5,911.54	5,870.53	27.77	26.13	174.89	3.58	-1,008.51	1,754.40	1,701.54	52.86	33.188		
6,100.00	6,049.24	5,982.11	5,940.97	28.24	26.41	175.03	7.15	-1,010.79	1,771.17	1,717.66	53.51	33.099		
6,200.00	6,148.34	6,162.67	6,121.34	28.70	27.13	175.32	14.16	-1,013.88	1,786.69	1,731.83	54.86	32.568		
6,304.69	6,252.09	6,265.22	6,223.88	29.19	27.55	175.38	14.77	-1,013.03	1,799.85	1,744.11	55.74	32.287		
6,350.00	6,297.17	6,301.29	6,259.95	29.39	27.69	163.28	14.95	-1,012.93	1,804.20	1,748.12	56.08	32.174		
6,400.00	6,347.13	6,343.84	6,302.50	29.59	27.87	61.87	15.29	-1,013.01	1,805.52	1,749.08	56.44	31.990		
6,450.00	6,397.02	6,387.85	6,346.51	29.78	28.05	21.78	15.92	-1,013.22	1,803.12	1,746.33	56.79	31.749		
6,500.00	6,446.53	6,432.16	6,390.80	29.96	28.23	15.33	16.83	-1,013.55	1,797.00	1,739.86	57.13	31.453		
6,550.00	6,495.35	6,476.18	6,434.81	30.14	28.41	12.97	17.99	-1,013.97	1,787.17	1,729.71	57.46	31.103		
6,600.00	6,543.19	6,539.29	6,497.89	30.33	28.66	11.96	19.67	-1,014.50	1,773.52	1,715.63	57.89	30.635		
6,650.00	6,589.76	6,606.92	6,565.52	30.52	28.94	11.56	20.47	-1,014.30	1,755.56	1,697.22	58.34	30.094		
6,700.00	6,634.75	6,663.71	6,622.30	30.71	29.17	11.49	20.52	-1,013.68	1,733.66	1,674.95	58.70	29.533		
6,750.00	6,677.90	6,696.69	6,655.28	30.91	29.31	11.61	20.41	-1,013.27	1,708.27	1,649.35	58.92	28.991		
6,800.00	6,718.94	6,724.10	6,682.69	31.13	29.42	11.94	20.41	-1,013.15	1,679.96	1,620.86	59.10	28.425		
6,850.00	6,757.62	6,750.21	6,708.80	31.36	29.53	12.49	20.51	-1,013.23	1,648.86	1,589.60	59.26	27.824		
6,900.00	6,793.70	6,782.55	6,741.14	31.61	29.67	13.33	20.74	-1,013.52	1,615.07	1,555.63	59.45	27.169		
6,950.00	6,826.95	6,818.87	6,777.45	31.88	29.82	14.54	21.09	-1,013.81	1,578.55	1,518.90	59.65	26.463		
7,000.00	6,857.18	6,851.76	6,810.34	32.19	29.95	16.17	21.48	-1,014.00	1,539.49	1,479.66	59.83	25.730		
7,050.00	6,884.18	6,878.17	6,836.75	32.52	30.06	18.30	21.76	-1,014.14	1,498.20	1,438.23	59.97	24.982		
7,100.00	6,907.81	6,901.32	6,859.90	32.90	30.16	21.17	21.89	-1,014.30	1,454.95	1,394.86	60.09	24.212		
7,150.00	6,927.91	6,921.16	6,879.74	33.32	30.24	25.15	21.92	-1,014.45	1,410.01	1,349.82	60.19	23.425		
7,200.00	6,944.36	6,937.56	6,896.14	33.77	30.31	30.85	21.88	-1,014.59	1,363.66	1,303.38	60.28	22.622		
7,250.00	6,957.05	6,950.39	6,908.96	34.27	30.36	39.28	21.81	-1,014.70	1,316.20	1,255.85	60.35	21.808		
7,300.00	6,965.92	6,958.38	6,916.96	34.80	30.40	51.83	21.77	-1,014.78	1,267.92	1,207.51	60.41	20.990		
7,350.00	6,970.89	6,963.41	6,921.98	35.37	30.42	70.05	21.75	-1,014.84	1,219.11	1,158.65	60.46	20.165		
7,396.89	6,972.00	6,964.89	6,923.46	35.93	30.42	90.89	21.74	-1,014.85	1,173.14	1,112.64	60.50	19.391		
7,400.00	6,971.96	6,964.88	6,923.46	35.97	30.42	90.89	21.74	-1,014.85	1,170.09	1,109.59	60.50	19.339		
7,500.00	6,970.65	6,964.67	6,923.25	37.28	30.42	90.84	21.74	-1,014.85	1,072.22	1,011.60	60.61	17.689		
7,600.00	6,969.33	6,964.46	6,923.03	38.76	30.42	90.79	21.75	-1,014.85	974.78	914.00	60.78	16.037		
7,700.00	6,968.02	6,964.24	6,922.81	40.39	30.42	90.73	21.75	-1,014.85	877.92	816.88	61.04	14.382		
7,800.00	6,966.70	6,964.02	6,922.60	42.15	30.42	90.68	21.75	-1,014.84	781.84	720.41	61.44	12.726		
7,900.00	6,965.39	6,963.80	6,922.37	44.02	30.42	90.62	21.75	-1,014.84	686.89	624.83	62.06	11.068		
8,000.00	6,964.07	6,963.57	6,922.15	45.99	30.42	90.57	21.75	-1,014.84	593.60	530.55	63.05	9.414		
8,100.00	6,962.76	6,963.34	6,921.92	48.05	30.42	90.51	21.75	-1,014.84	502.90	438.22	64.68	7.775		
8,200.00	6,961.45	6,963.11	6,921.69	50.19	30.42	90.45	21.75	-1,014.83	416.47	349.08	67.40	6.180		
8,300.00	6,960.13	6,962.88	6,921.45	52.39	30.41	90.39	21.75	-1,014.83	337.62	265.73	71.90	4.696		
8,400.00	6,958.82	6,962.64	6,921.21	54.65	30.41	90.33	21.75	-1,014.83	273.00	194.32	78.68	3.470		
8,500.00	6,957.50	6,962.39	6,920.97	56.97	30.41	90.27	21.76	-1,014.83	234.68	148.76	85.92	2.731		
8,547.29	6,956.88	6,962.28	6,920.85	58.08	30.41	90.24	21.76	-1,014.83	229.86	141.99	87.87	2.616 CC, ES, SF		
8,600.00	6,956.19	6,962.15	6,920.72	59.33	30.41	90.21	21.76	-1,014.82	235.83	147.79	88.04	2.679		
8,700.00	6,954.87	6,961.90	6,920.47	61.73	30.41	90.15	21.76	-1,014.82	275.96	191.91	84.05	3.283		
8,800.00	6,953.56	6,961.65	6,920.22	64.16	30.41	90.09	21.76	-1,014.82	341.61	262.85	78.76	4.337		
8,900.00	6,952.24	6,961.39	6,919.97	66.63	30.41	90.02	21.76	-1,014.82	421.00	346.43	74.57	5.646		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	6,961.13	6,919.70	69.13	30.41	89.96	21.76	-1,014.81	507.72	436.11	71.61	7.090		
9,100.00	6,949.61	6,960.87	6,919.44	71.65	30.41	89.89	21.76	-1,014.81	598.60	529.06	69.54	8.608		
9,200.00	6,948.30	6,960.60	6,919.17	74.20	30.41	89.82	21.76	-1,014.81	692.00	623.93	68.07	10.166		
9,300.00	6,946.98	6,960.33	6,918.90	76.77	30.40	89.76	21.77	-1,014.80	787.02	720.03	66.99	11.748		
9,400.00	6,945.67	6,960.05	6,918.62	79.35	30.40	89.69	21.77	-1,014.80	883.14	816.96	66.19	13.343		
9,500.00	6,944.35	6,959.77	6,918.34	81.95	30.40	89.62	21.77	-1,014.80	980.04	914.47	65.57	14.947		
9,600.00	6,943.04	6,959.48	6,918.06	84.57	30.40	89.55	21.77	-1,014.80	1,077.51	1,012.42	65.09	16.555		
9,700.00	6,941.73	6,959.19	6,917.77	87.21	30.40	89.47	21.77	-1,014.79	1,175.40	1,110.70	64.70	18.166		
9,800.00	6,940.41	6,958.90	6,917.47	89.85	30.40	89.40	21.77	-1,014.79	1,273.62	1,209.22	64.39	19.778		
9,900.00	6,939.10	6,959.11	6,917.68	92.51	30.40	89.45	21.74	-1,014.79	1,372.09	1,307.95	64.14	21.391		
10,000.00	6,937.78	6,958.76	6,917.34	95.17	30.40	89.37	21.74	-1,014.79	1,470.77	1,406.84	63.94	23.003		
10,100.00	6,936.47	6,958.42	6,916.99	97.85	30.40	89.28	21.75	-1,014.78	1,569.62	1,505.85	63.77	24.615		
10,200.00	6,935.15	6,958.07	6,916.64	100.54	30.39	89.19	21.75	-1,014.78	1,668.61	1,604.98	63.63	26.225		
10,300.00	6,933.84	6,957.71	6,916.29	103.23	30.39	89.10	21.75	-1,014.78	1,767.71	1,704.20	63.51	27.834		
10,400.00	6,932.52	6,957.35	6,915.93	105.93	30.39	89.01	21.76	-1,014.77	1,866.90	1,803.49	63.41	29.441		
10,500.00	6,931.21	6,956.99	6,915.56	108.64	30.39	88.92	21.76	-1,014.77	1,966.18	1,902.85	63.33	31.046		
10,600.00	6,929.89	6,956.62	6,915.19	111.36	30.39	88.83	21.76	-1,014.76	2,065.53	2,002.26	63.27	32.649		
10,700.00	6,928.58	6,956.24	6,914.82	114.08	30.39	88.74	21.76	-1,014.76	2,164.94	2,101.73	63.21	34.250		
10,800.00	6,927.26	6,955.86	6,914.44	116.81	30.39	88.64	21.77	-1,014.76	2,264.39	2,201.23	63.17	35.848		
10,900.00	6,925.95	6,955.48	6,914.05	119.54	30.38	88.55	21.77	-1,014.75	2,363.90	2,300.77	63.13	37.444		
11,000.00	6,924.64	6,955.09	6,913.67	122.28	30.38	88.45	21.77	-1,014.75	2,463.44	2,400.34	63.10	39.038		
11,100.00	6,923.32	6,954.70	6,913.27	125.02	30.38	88.35	21.78	-1,014.75	2,563.03	2,499.94	63.08	40.629		
11,200.00	6,922.01	6,954.30	6,912.87	127.77	30.38	88.25	21.78	-1,014.74	2,662.64	2,599.57	63.07	42.217		
11,300.00	6,920.69	6,953.89	6,912.47	130.52	30.38	88.15	21.78	-1,014.74	2,762.28	2,699.21	63.06	43.803		
11,400.00	6,919.38	6,953.48	6,912.06	133.28	30.38	88.05	21.78	-1,014.73	2,861.94	2,798.88	63.06	45.385		
11,500.00	6,918.06	6,953.08	6,911.65	136.04	30.37	87.95	21.80	-1,014.73	2,961.63	2,898.57	63.06	46.965		
11,600.00	6,916.75	6,952.68	6,911.26	138.80	30.37	87.85	21.80	-1,014.73	3,061.34	2,998.27	63.07	48.541		
11,700.00	6,915.43	6,952.27	6,910.85	141.56	30.37	87.75	21.80	-1,014.72	3,161.06	3,097.99	63.08	50.115		
11,800.00	6,914.12	6,951.86	6,910.44	144.33	30.37	87.65	21.81	-1,014.72	3,260.81	3,197.72	63.09	51.685		
11,900.00	6,912.80	6,951.44	6,910.01	147.10	30.37	87.54	21.81	-1,014.72	3,360.56	3,297.46	63.11	53.252		
12,000.00	6,911.49	6,951.01	6,909.58	149.88	30.37	87.44	21.81	-1,014.71	3,460.30	3,397.21	63.13	54.816		
12,100.00	6,910.17	6,950.57	6,909.15	152.65	30.36	87.33	21.81	-1,014.71	3,560.12	3,496.97	63.15	56.376		
12,200.00	6,908.86	6,950.12	6,908.70	155.43	30.36	87.22	21.81	-1,014.70	3,659.92	3,596.74	63.17	57.933		
12,300.00	6,907.54	6,949.67	6,908.24	158.21	30.36	87.10	21.82	-1,014.70	3,759.72	3,696.52	63.20	59.487		
12,400.00	6,906.23	6,949.20	6,907.78	160.99	30.36	86.99	21.82	-1,014.69	3,859.54	3,796.31	63.23	61.037		
12,500.00	6,904.92	6,948.73	6,907.31	163.78	30.36	86.87	21.82	-1,014.69	3,959.37	3,896.10	63.27	62.583		
12,600.00	6,903.60	6,948.25	6,906.82	166.57	30.35	86.75	21.82	-1,014.69	4,059.20	3,995.90	63.30	64.126		
12,700.00	6,902.29	6,947.75	6,906.33	169.35	30.35	86.63	21.83	-1,014.68	4,159.05	4,095.71	63.34	65.664		
12,800.00	6,900.97	6,947.25	6,905.83	172.14	30.35	86.50	21.83	-1,014.68	4,258.90	4,195.52	63.38	67.200		
12,900.00	6,899.66	6,946.74	6,905.31	174.94	30.35	86.37	21.83	-1,014.67	4,358.75	4,295.33	63.42	68.731		
13,000.00	6,898.34	6,946.21	6,904.79	177.73	30.34	86.24	21.83	-1,014.67	4,458.62	4,395.16	63.46	70.258		
13,100.00	6,897.03	6,945.67	6,904.25	180.53	30.34	86.11	21.84	-1,014.66	4,558.49	4,494.98	63.50	71.782		
13,200.00	6,895.71	6,945.13	6,903.70	183.32	30.34	85.98	21.84	-1,014.66	4,658.36	4,594.81	63.55	73.301		
13,300.00	6,894.40	6,944.57	6,903.14	186.12	30.34	85.84	21.84	-1,014.65	4,758.24	4,694.64	63.60	74.817		
13,400.00	6,893.08	6,944.00	6,902.57	188.92	30.34	85.70	21.85	-1,014.65	4,858.12	4,794.48	63.65	76.328		
13,500.00	6,891.77	6,943.41	6,901.99	191.72	30.33	85.55	21.85	-1,014.64	4,958.01	4,894.32	63.70	77.836		
13,600.00	6,890.45	6,942.82	6,901.40	194.52	30.33	85.41	21.85	-1,014.63	5,057.91	4,994.16	63.75	79.339		
13,700.00	6,889.14	6,942.25	6,900.83	197.32	30.33	85.26	21.85	-1,014.63	5,157.81	5,094.00	63.80	80.838		
13,800.00	6,887.82	6,941.67	6,900.24	200.13	30.33	85.12	21.86	-1,014.62	5,257.71	5,193.85	63.86	82.332		
13,900.00	6,886.51	6,941.08	6,899.65	202.93	30.32	84.97	21.86	-1,014.62	5,357.61	5,293.70	63.92	83.823		
14,000.00	6,885.20	6,940.48	6,899.05	205.74	30.32	84.82	21.86	-1,014.61	5,457.52	5,393.55	63.97	85.309		
14,100.00	6,883.88	6,939.86	6,898.44	208.55	30.32	84.67	21.87	-1,014.61	5,557.43	5,493.40	64.03	86.790		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,939.24	6,897.82	211.35	30.32	84.52	21.87	-1,014.60	5,657.35	5,593.26	64.09	88.268		
14,300.00	6,881.25	6,938.61	6,897.19	214.16	30.31	84.36	21.87	-1,014.60	5,757.27	5,693.11	64.15	89.741		
14,400.00	6,879.94	6,937.97	6,896.54	216.97	30.31	84.21	21.87	-1,014.59	5,857.19	5,792.97	64.22	91.209		
14,500.00	6,878.62	6,937.31	6,895.89	219.78	30.31	84.04	21.88	-1,014.59	5,957.11	5,892.83	64.28	92.673		
14,600.00	6,877.31	6,936.65	6,895.23	222.59	30.31	83.88	21.88	-1,014.58	6,057.04	5,992.69	64.35	94.132		
14,700.00	6,875.99	6,935.97	6,894.55	225.41	30.30	83.71	21.88	-1,014.57	6,156.97	6,092.55	64.41	95.587		
14,800.00	6,874.68	6,935.29	6,893.86	228.22	30.30	83.55	21.88	-1,014.57	6,256.90	6,192.42	64.48	97.037		
14,900.00	6,873.36	6,934.59	6,893.16	231.03	30.30	83.37	21.89	-1,014.56	6,356.83	6,292.28	64.55	98.483		
15,000.00	6,872.05	6,933.87	6,892.45	233.85	30.29	83.20	21.89	-1,014.56	6,456.76	6,392.15	64.62	99.924		
15,100.00	6,870.73	6,933.15	6,891.72	236.66	30.29	83.02	21.89	-1,014.55	6,556.70	6,492.01	64.69	101.360		
15,200.00	6,869.42	6,932.41	6,890.99	239.48	30.29	82.84	21.89	-1,014.54	6,656.64	6,591.88	64.76	102.791		
15,300.00	6,868.11	6,931.66	6,890.23	242.29	30.28	82.65	21.90	-1,014.54	6,756.58	6,691.75	64.83	104.218		
15,400.00	6,866.79	6,930.89	6,889.47	245.11	30.28	82.47	21.90	-1,014.53	6,856.52	6,791.62	64.90	105.640		
15,460.11	6,866.00	6,930.42	6,889.00	246.80	30.28	82.35	21.90	-1,014.53	6,916.60	6,851.65	64.95	106.493		
15,460.74	6,865.99	6,930.42	6,889.00	246.82	30.28	82.35	21.90	-1,014.53	6,917.22	6,852.27	64.95	106.502		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-73.61	272.15	-925.31	965.21					
100.00	100.00	57.68	57.68	3.28	3.29	-73.61	272.17	-925.42	964.63	958.06	6.57	146.772		
200.00	200.00	146.36	146.36	3.34	3.34	-73.62	272.33	-926.43	965.77	959.09	6.68	144.664		
300.00	299.98	271.77	271.76	3.44	3.47	-172.66	272.02	-927.43	968.27	961.35	6.92	139.992		
400.00	399.84	448.30	448.05	3.60	3.79	-172.86	267.73	-920.65	969.46	962.03	7.43	130.398		
500.00	499.45	603.67	602.28	3.80	4.19	-173.22	258.63	-904.42	966.42	958.34	8.08	119.554		
584.50	583.35	743.77	740.07	4.01	4.68	-173.71	246.15	-882.55	961.55	952.77	8.78	109.569		
600.00	598.71	766.21	762.01	4.05	4.77	-173.80	243.80	-878.42	960.41	951.52	8.89	107.988		
700.00	697.81	866.57	859.94	4.33	5.20	-174.22	232.92	-859.35	952.40	942.92	9.48	100.419		
800.00	796.91	986.68	977.03	4.64	5.78	-174.72	219.93	-836.01	944.10	933.87	10.24	92.241		
900.00	896.01	1,104.68	1,091.28	4.98	6.42	-175.20	206.75	-809.60	932.68	921.66	11.02	84.652		
1,000.00	995.11	1,209.95	1,193.18	5.34	7.03	-175.55	196.14	-785.43	921.13	909.36	11.77	78.252		
1,100.00	1,094.21	1,313.97	1,293.44	5.71	7.67	-175.98	184.34	-760.33	908.09	895.54	12.55	72.336		
1,200.00	1,193.31	1,422.27	1,397.63	6.10	8.37	-176.55	170.27	-734.35	894.88	881.49	13.39	66.832		
1,300.00	1,292.41	1,502.32	1,474.62	6.49	8.89	-177.07	158.75	-715.72	882.10	867.97	14.13	62.429		
1,400.00	1,391.51	1,597.49	1,566.23	6.90	9.52	-177.85	142.94	-695.36	870.80	855.82	14.97	58.152		
1,500.00	1,490.61	1,689.67	1,654.50	7.31	10.15	-178.89	123.93	-676.86	860.13	844.28	15.85	54.253		
1,600.00	1,589.71	1,786.43	1,746.53	7.73	10.83	-179.73	100.26	-658.65	850.27	833.45	16.82	50.566		
1,700.00	1,688.81	1,879.69	1,834.71	8.16	11.50	-178.19	74.90	-641.98	841.38	823.55	17.82	47.212		
1,800.00	1,787.92	1,992.85	1,940.45	8.59	12.37	-176.03	40.37	-621.28	832.26	813.23	19.03	43.729		
1,900.00	1,887.02	2,096.46	2,035.54	9.02	13.23	-173.71	4.39	-601.32	822.63	802.34	20.30	40.534		
2,000.00	1,986.12	2,200.08	2,129.57	9.46	14.14	-171.17	-33.93	-580.70	813.50	791.84	21.66	37.564		
2,100.00	2,085.22	2,291.67	2,212.83	9.90	14.97	-168.94	-67.02	-561.67	805.05	782.07	22.98	35.036		
2,200.00	2,184.32	2,400.48	2,312.14	10.34	15.96	-166.32	-105.07	-538.67	797.74	773.27	24.47	32.600		
2,300.00	2,283.42	2,474.13	2,379.54	10.78	16.63	-164.56	-130.40	-523.20	791.90	766.20	25.70	30.812		
2,400.00	2,382.52	2,565.36	2,463.32	11.23	17.45	-162.36	-161.90	-505.52	789.02	761.92	27.10	29.120		
2,500.00	2,481.62	2,669.50	2,558.25	11.68	18.42	-159.74	-199.17	-484.53	786.97	758.31	28.67	27.452		
2,581.52	2,562.41	2,741.94	2,622.71	12.04	19.16	-157.65	-228.41	-469.11	786.20	756.28	29.92	26.274 CC		
2,600.00	2,580.72	2,758.16	2,636.93	12.13	19.33	-157.15	-235.37	-465.61	786.24	756.03	30.21	26.025 ES		
2,700.00	2,679.82	2,845.95	2,713.61	12.58	20.26	-154.41	-273.73	-446.74	788.04	756.24	31.80	24.785		
2,800.00	2,778.92	2,937.93	2,795.20	13.03	21.21	-151.73	-311.64	-427.68	792.15	758.77	33.38	23.728		
2,900.00	2,878.02	3,023.53	2,871.88	13.48	22.07	-149.37	-345.65	-410.63	798.51	763.67	34.84	22.921		
3,000.00	2,977.12	3,102.42	2,942.26	13.94	22.87	-147.18	-377.97	-395.61	807.85	771.67	36.18	22.331		
3,100.00	3,076.22	3,209.48	3,038.28	14.39	23.95	-144.35	-420.89	-375.64	818.99	781.11	37.88	21.622		
3,200.00	3,175.32	3,317.62	3,137.10	14.85	24.99	-141.84	-459.92	-355.54	830.03	790.54	39.49	21.020		
3,300.00	3,274.43	3,412.78	3,224.19	15.30	25.89	-139.71	-493.26	-336.60	840.77	799.87	40.90	20.557		
3,400.00	3,373.53	3,505.89	3,309.94	15.76	26.76	-137.77	-525.35	-319.65	853.75	811.51	42.24	20.212		
3,500.00	3,472.63	3,605.44	3,402.06	16.22	27.68	-135.82	-558.19	-301.08	866.63	823.00	43.63	19.863		
3,600.00	3,571.73	3,685.80	3,475.96	16.68	28.44	-134.22	-585.88	-285.98	881.24	836.49	44.75	19.691		
3,700.00	3,670.83	3,772.45	3,555.14	17.14	29.26	-132.48	-617.43	-270.37	898.54	852.61	45.93	19.563		
3,800.00	3,769.93	3,874.17	3,649.11	17.59	30.21	-130.66	-652.35	-253.14	916.30	869.01	47.29	19.377		
3,900.00	3,869.03	3,956.28	3,724.80	18.05	30.98	-129.21	-680.83	-238.94	934.91	886.57	48.34	19.340		
4,000.00	3,968.13	4,034.30	3,795.51	18.51	31.75	-127.73	-710.70	-224.98	956.25	906.94	49.32	19.390		
4,100.00	4,067.23	4,120.91	3,873.31	18.98	32.63	-126.06	-745.26	-209.05	979.36	928.94	50.42	19.423		
4,200.00	4,166.33	4,230.55	3,971.48	19.44	33.77	-124.00	-789.53	-188.45	1,003.62	951.72	51.90	19.337		
4,300.00	4,265.43	4,329.27	4,059.97	19.90	34.80	-122.20	-828.11	-167.83	1,026.48	973.31	53.17	19.305		
4,400.00	4,364.53	4,423.52	4,144.66	20.36	35.79	-120.58	-864.81	-148.73	1,050.51	996.15	54.35	19.328		
4,500.00	4,463.63	4,505.34	4,217.63	20.82	36.67	-119.17	-897.41	-131.24	1,075.46	1,020.15	55.31	19.444		
4,600.00	4,562.73	4,595.21	4,297.63	21.28	37.63	-117.67	-933.88	-112.61	1,102.11	1,045.73	56.38	19.548		
4,700.00	4,661.83	4,677.79	4,371.19	21.75	38.53	-116.37	-967.35	-95.63	1,129.60	1,072.29	57.31	19.710		
4,800.00	4,760.93	4,784.29	4,465.13	22.21	39.70	-114.66	-1,011.85	-72.48	1,158.33	1,099.69	58.64	19.753		
4,900.00	4,860.04	4,919.39	4,586.27	22.67	41.14	-112.73	-1,063.58	-42.55	1,184.46	1,124.07	60.39	19.613		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	5,007.53	4,666.14	23.13	42.04	111.60	-1,095.66	-23.55	1,209.99	1,148.63	61.36	19.719		
5,100.00	5,058.24	5,083.94	4,735.63	23.60	42.82	110.71	-1,123.62	-8.42	1,236.96	1,174.82	62.14	19.906		
5,200.00	5,157.34	5,157.00	4,801.51	24.06	43.57	109.86	-1,151.69	5.98	1,265.93	1,203.09	62.84	20.146		
5,300.00	5,256.44	5,288.93	4,921.33	24.52	44.89	108.46	-1,200.84	31.06	1,294.65	1,230.19	64.46	20.084		
5,400.00	5,355.54	5,400.00	5,115.77	24.99	45.94	106.98	-1,261.54	65.34	1,317.18	1,250.97	66.21	19.895		
5,500.00	5,454.64	5,637.75	5,253.52	25.45	47.59	106.51	-1,291.15	82.84	1,334.21	1,265.98	68.22	19.557		
5,600.00	5,553.74	5,752.24	5,365.48	25.92	48.28	106.28	-1,311.73	95.04	1,349.58	1,280.29	69.29	19.477		
5,700.00	5,652.84	5,864.03	5,475.54	26.38	48.88	106.24	-1,329.28	103.55	1,364.26	1,293.94	70.32	19.401		
5,800.00	5,751.94	6,020.62	5,630.91	26.84	49.56	106.46	-1,346.72	111.71	1,375.60	1,304.07	71.54	19.229		
5,900.00	5,851.04	6,156.52	5,766.33	27.31	50.08	106.80	-1,356.84	117.12	1,384.50	1,311.93	72.56	19.080		
6,000.00	5,950.14	6,284.72	5,894.40	27.77	50.45	107.30	-1,361.44	119.61	1,390.81	1,317.32	73.49	18.925		
6,100.00	6,049.24	6,399.99	6,009.66	28.24	50.74	107.86	-1,362.70	120.33	1,395.58	1,321.21	74.37	18.766		
6,200.00	6,148.34	6,511.94	6,121.60	28.70	50.96	108.49	-1,361.87	119.43	1,399.49	1,324.29	75.20	18.609		
6,304.69	6,252.09	6,624.79	6,234.41	29.19	51.15	109.21	-1,359.26	117.15	1,402.90	1,326.84	76.06	18.443		
6,350.00	6,297.17	6,672.56	6,282.13	29.39	51.23	97.44	-1,357.75	115.82	1,403.43	1,327.02	76.42	18.366		
6,400.00	6,347.13	6,715.82	6,325.35	29.59	51.30	-3.97	-1,356.35	114.44	1,402.19	1,325.45	76.75	18.271		
6,450.00	6,397.02	6,759.07	6,368.55	29.78	51.37	-44.36	-1,355.08	112.89	1,399.19	1,322.17	77.02	18.167		
6,500.00	6,446.53	6,796.98	6,406.43	29.96	51.44	-51.43	-1,354.30	111.62	1,394.53	1,317.27	77.25	18.051		
6,550.00	6,495.35	6,834.02	6,443.45	30.14	51.52	-54.72	-1,354.13	110.81	1,388.35	1,310.91	77.44	17.928		
6,600.00	6,543.19	6,880.38	6,489.81	30.33	51.61	-57.16	-1,354.51	110.22	1,380.68	1,303.07	77.60	17.792		
6,650.00	6,589.76	6,936.55	6,545.97	30.52	51.73	-59.48	-1,354.59	109.35	1,371.07	1,293.33	77.74	17.636		
6,700.00	6,634.75	6,973.63	6,583.05	30.71	51.82	-61.54	-1,354.54	108.67	1,359.87	1,282.05	77.83	17.473		
6,750.00	6,677.90	7,007.01	6,616.42	30.91	51.89	-63.61	-1,354.80	108.09	1,347.66	1,269.79	77.87	17.307		
6,800.00	6,718.94	7,039.62	6,649.03	31.13	51.97	-65.76	-1,355.33	107.56	1,334.63	1,256.76	77.87	17.138		
6,850.00	6,757.62	7,072.12	6,681.51	31.36	52.06	-68.04	-1,356.16	107.26	1,320.95	1,243.09	77.85	16.967		
6,900.00	6,793.70	7,102.01	6,711.39	31.61	52.14	-70.36	-1,357.19	107.25	1,306.84	1,229.05	77.79	16.799		
6,950.00	6,826.95	7,133.25	6,742.60	31.88	52.23	-72.83	-1,358.51	107.47	1,292.59	1,214.89	77.70	16.635		
7,000.00	6,857.18	7,171.00	6,780.32	32.19	52.34	-75.60	-1,359.86	107.43	1,278.25	1,200.65	77.61	16.471		
7,050.00	6,884.18	7,205.91	6,815.21	32.52	52.43	-78.34	-1,360.75	106.99	1,264.07	1,186.58	77.49	16.314		
7,100.00	6,907.81	7,235.99	6,845.28	32.90	52.50	-80.90	-1,361.28	106.34	1,250.38	1,173.05	77.33	16.169		
7,150.00	6,927.91	7,262.15	6,871.43	33.32	52.56	-83.26	-1,361.60	105.65	1,237.54	1,160.38	77.16	16.039		
7,200.00	6,944.36	7,284.31	6,893.58	33.77	52.61	-85.37	-1,361.76	104.97	1,225.86	1,148.89	76.98	15.925		
7,250.00	6,957.05	7,303.66	6,912.92	34.27	52.66	-87.23	-1,361.82	104.31	1,215.66	1,138.88	76.78	15.833		
7,300.00	6,965.92	7,321.99	6,931.24	34.80	52.69	-88.88	-1,361.76	103.59	1,207.15	1,130.58	76.57	15.765		
7,350.00	6,970.89	7,334.44	6,943.67	35.37	52.71	-90.08	-1,361.65	103.04	1,200.58	1,124.21	76.36	15.722		
7,396.89	6,972.00	7,340.30	6,949.53	35.93	52.72	-90.75	-1,361.58	102.76	1,196.33	1,120.16	76.17	15.706		
7,400.00	6,971.96	7,340.50	6,949.72	35.97	52.72	-90.76	-1,361.57	102.75	1,196.12	1,119.95	76.16	15.705 SF		
7,480.78	6,970.90	7,345.73	6,954.94	37.03	52.73	-91.01	-1,361.50	102.50	1,193.39	1,117.47	75.92	15.720		
7,500.00	6,970.65	7,347.04	6,956.26	37.28	52.74	-91.07	-1,361.48	102.43	1,193.54	1,117.69	75.86	15.734		
7,600.00	6,969.33	7,354.36	6,963.56	38.76	52.75	-91.42	-1,361.35	102.06	1,199.32	1,123.59	75.73	15.838		
7,700.00	6,968.02	7,362.60	6,971.80	40.39	52.76	-91.82	-1,361.18	101.62	1,213.30	1,137.54	75.77	16.014		
7,800.00	6,966.70	7,371.96	6,981.13	42.15	52.78	-92.27	-1,360.95	101.09	1,235.23	1,159.24	75.98	16.257		
7,900.00	6,965.39	7,382.66	6,991.82	44.02	52.80	-92.78	-1,360.65	100.46	1,264.66	1,188.30	76.36	16.561		
8,000.00	6,964.07	7,395.04	7,004.16	45.99	52.82	-93.38	-1,360.25	99.68	1,301.10	1,224.21	76.89	16.922		
8,100.00	6,962.76	8,100.00	6,974.92	48.05	54.14	-91.97	-1,360.83	101.22	1,343.85	1,263.61	80.24	16.748		
8,200.00	6,961.45	8,200.00	6,978.40	50.19	54.33	-92.14	-1,360.78	101.05	1,392.68	1,311.29	81.39	17.111		
8,300.00	6,960.13	8,300.00	6,981.87	52.39	54.51	-92.30	-1,360.73	100.89	1,446.78	1,364.20	82.58	17.520		
8,400.00	6,958.82	8,400.00	6,985.35	54.65	54.70	-92.47	-1,360.67	100.72	1,505.57	1,421.80	83.78	17.971		
8,500.00	6,957.50	8,500.00	6,988.82	56.97	54.89	-92.64	-1,360.62	100.55	1,568.54	1,483.59	84.95	18.464		
8,600.00	6,956.19	8,600.00	6,992.30	59.33	55.08	-92.81	-1,360.57	100.38	1,635.19	1,549.11	86.09	18.995		
8,700.00	6,954.87	8,700.00	6,995.77	61.73	55.27	-92.97	-1,360.52	100.21	1,705.10	1,617.93	87.17	19.561		
8,800.00	6,953.56	7,406.52	7,015.62	64.16	52.85	-93.93	-1,359.94	99.11	1,777.66	1,693.89	83.76	21.222		

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 13N-6B-M
<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 13N-6B-M	<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	6,952.24	7,408.13	7,017.23	66.63	52.85	-94.00	-1,359.89	99.03	1,852.94	1,768.43	84.51	21.926		
9,000.00	6,950.93	7,409.65	7,018.75	69.13	52.85	-94.08	-1,359.85	98.95	1,930.47	1,845.27	85.20	22.657		
9,100.00	6,949.61	7,411.08	7,020.18	71.65	52.85	-94.14	-1,359.81	98.89	2,009.98	1,924.14	85.84	23.415		
9,200.00	6,948.30	7,412.44	7,021.53	74.20	52.86	-94.21	-1,359.77	98.82	2,091.25	2,004.82	86.43	24.196		
9,300.00	6,946.98	7,413.72	7,022.81	76.77	52.86	-94.27	-1,359.74	98.77	2,174.08	2,087.11	86.97	24.998		
9,400.00	6,945.67	7,414.94	7,024.03	79.35	52.86	-94.33	-1,359.71	98.71	2,258.30	2,170.83	87.47	25.819		
9,500.00	6,944.35	7,416.09	7,025.18	81.95	52.86	-94.38	-1,359.68	98.66	2,343.75	2,255.83	87.92	26.657		
9,600.00	6,943.04	7,417.19	7,026.28	84.57	52.87	-94.44	-1,359.65	98.62	2,430.32	2,341.98	88.34	27.511		
9,700.00	6,941.73	7,418.24	7,027.32	87.21	52.87	-94.49	-1,359.62	98.57	2,517.88	2,429.16	88.72	28.379		
9,800.00	6,940.41	7,419.23	7,028.32	89.85	52.87	-94.53	-1,359.60	98.53	2,606.33	2,517.26	89.08	29.259		
9,900.00	6,939.10	7,420.18	7,029.27	92.51	52.87	-94.58	-1,359.57	98.49	2,695.60	2,606.19	89.41	30.150		
10,000.00	6,937.78	7,421.09	7,030.17	95.17	52.87	-94.62	-1,359.55	98.46	2,785.59	2,695.88	89.71	31.051		
10,100.00	6,936.47	7,421.96	7,031.04	97.85	52.87	-94.66	-1,359.53	98.42	2,876.24	2,786.25	89.99	31.962		
10,200.00	6,935.15	7,422.79	7,031.87	100.54	52.88	-94.70	-1,359.51	98.39	2,967.49	2,877.24	90.25	32.881		
10,300.00	6,933.84	7,423.58	7,032.66	103.23	52.88	-94.74	-1,359.49	98.36	3,059.28	2,968.79	90.49	33.807		
10,400.00	6,932.52	7,424.35	7,033.43	105.93	52.88	-94.78	-1,359.47	98.33	3,151.58	3,060.86	90.72	34.740		
10,500.00	6,931.21	7,425.08	7,034.16	108.64	52.88	-94.81	-1,359.45	98.30	3,244.33	3,153.40	90.93	35.679		
10,600.00	6,929.89	7,425.78	7,034.86	111.36	52.88	-94.85	-1,359.43	98.28	3,337.50	3,246.37	91.13	36.623		
10,700.00	6,928.58	7,426.46	7,035.53	114.08	52.88	-94.88	-1,359.42	98.25	3,431.05	3,339.74	91.32	37.573		
10,800.00	6,927.26	7,427.11	7,036.18	116.81	52.88	-94.91	-1,359.40	98.23	3,524.96	3,433.47	91.49	38.527		
10,900.00	6,925.95	7,427.73	7,036.81	119.54	52.89	-94.94	-1,359.39	98.21	3,619.19	3,527.53	91.66	39.485		
11,000.00	6,924.64	7,428.34	7,037.41	122.28	52.89	-94.97	-1,359.37	98.18	3,713.73	3,621.91	91.82	40.447		
11,100.00	6,923.32	7,428.92	7,037.99	125.02	52.89	-95.00	-1,359.36	98.16	3,808.54	3,716.58	91.97	41.412		
11,200.00	6,922.01	7,429.48	7,038.55	127.77	52.89	-95.02	-1,359.35	98.15	3,903.61	3,811.51	92.11	42.381		
11,300.00	6,920.69	7,430.02	7,039.09	130.52	52.89	-95.05	-1,359.33	98.13	3,998.93	3,906.68	92.24	43.351		
11,400.00	6,919.38	7,430.54	7,039.61	133.28	52.89	-95.08	-1,359.32	98.11	4,094.46	4,002.09	92.37	44.325		
11,500.00	6,918.06	7,431.05	7,040.12	136.04	52.89	-95.10	-1,359.31	98.09	4,190.21	4,097.71	92.50	45.300		
11,600.00	6,916.75	7,431.53	7,040.61	138.80	52.89	-95.12	-1,359.30	98.08	4,286.14	4,193.53	92.62	46.278		
11,700.00	6,915.43	7,432.01	7,041.08	141.56	52.89	-95.15	-1,359.29	98.06	4,382.26	4,289.53	92.73	47.257		
11,800.00	6,914.12	7,432.46	7,041.54	144.33	52.89	-95.17	-1,359.28	98.05	4,478.55	4,385.71	92.84	48.237		
11,900.00	6,912.80	7,432.91	7,041.98	147.10	52.90	-95.19	-1,359.27	98.03	4,575.00	4,482.05	92.95	49.219		
12,000.00	6,911.49	7,433.34	7,042.41	149.88	52.90	-95.21	-1,359.26	98.02	4,671.60	4,578.54	93.06	50.202		
12,100.00	6,910.17	7,433.75	7,042.82	152.65	52.90	-95.23	-1,359.25	98.01	4,768.33	4,675.18	93.16	51.187		
12,200.00	6,908.86	7,434.16	7,043.23	155.43	52.90	-95.25	-1,359.24	97.99	4,865.20	4,771.95	93.25	52.172		
12,300.00	6,907.54	7,434.55	7,043.62	158.21	52.90	-95.27	-1,359.23	97.98	4,962.20	4,868.85	93.35	53.157		
12,400.00	6,906.23	7,434.93	7,044.00	160.99	52.90	-95.29	-1,359.22	97.97	5,059.31	4,965.86	93.44	54.144		
12,500.00	6,904.92	7,435.30	7,044.37	163.78	52.90	-95.30	-1,359.21	97.96	5,156.53	5,062.99	93.53	55.130		
12,600.00	6,903.60	7,435.66	7,044.73	166.57	52.90	-95.32	-1,359.20	97.95	5,253.85	5,160.23	93.62	56.118		
12,700.00	6,902.29	7,436.00	7,045.07	169.35	52.90	-95.34	-1,359.20	97.94	5,351.28	5,257.57	93.71	57.105		
12,800.00	6,900.97	7,436.34	7,045.41	172.14	52.90	-95.35	-1,359.19	97.93	5,448.79	5,355.00	93.80	58.092		
12,900.00	6,899.66	7,436.67	7,045.74	174.94	52.90	-95.37	-1,359.18	97.92	5,546.40	5,452.52	93.88	59.080		
13,000.00	6,898.34	7,437.00	7,046.06	177.73	52.90	-95.38	-1,359.17	97.91	5,644.09	5,550.12	93.96	60.068		
13,100.00	6,897.03	7,437.31	7,046.38	180.53	52.90	-95.40	-1,359.17	97.90	5,741.85	5,647.81	94.04	61.055		
13,200.00	6,895.71	7,437.61	7,046.68	183.32	52.90	-95.41	-1,359.16	97.89	5,839.70	5,745.57	94.12	62.042		
13,300.00	6,894.40	7,437.91	7,046.98	186.12	52.90	-95.43	-1,359.15	97.88	5,937.61	5,843.41	94.20	63.029		
13,400.00	6,893.08	7,438.20	7,047.27	188.92	52.91	-95.44	-1,359.15	97.87	6,035.60	5,941.31	94.28	64.016		
13,500.00	6,891.77	7,438.48	7,047.55	191.72	52.91	-95.45	-1,359.14	97.86	6,133.65	6,039.28	94.36	65.002		
13,600.00	6,890.45	7,438.75	7,047.82	194.52	52.91	-95.47	-1,359.14	97.86	6,231.76	6,137.32	94.44	65.988		
13,700.00	6,889.14	7,439.02	7,048.09	197.32	52.91	-95.48	-1,359.13	97.85	6,329.93	6,235.41	94.51	66.973		
13,800.00	6,887.82	7,439.28	7,048.35	200.13	52.91	-95.49	-1,359.12	97.84	6,428.15	6,333.56	94.59	67.958		
13,900.00	6,886.51	7,439.54	7,048.61	202.93	52.91	-95.51	-1,359.12	97.83	6,526.43	6,431.77	94.67	68.941		
14,000.00	6,885.20	7,439.79	7,048.86	205.74	52.91	-95.52	-1,359.11	97.83	6,624.76	6,530.02	94.74	69.925		

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 13N-6B-M
<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 13N-6B-M	<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	6,883.88	7,474.00	7,083.06	208.55	52.97	-97.15	-1,358.49	97.27	6,723.62	6,628.81	94.81	70.915		
14,200.00	6,882.57	7,474.00	7,083.06	211.35	52.97	-97.15	-1,358.49	97.27	6,822.04	6,727.15	94.89	71.896		
14,300.00	6,881.25	7,474.00	7,083.06	214.16	52.97	-97.15	-1,358.49	97.27	6,920.51	6,825.54	94.96	72.876		
14,400.00	6,879.94	7,474.00	7,083.06	216.97	52.97	-97.15	-1,358.49	97.27	7,019.01	6,923.98	95.04	73.855		
14,500.00	6,878.62	7,474.00	7,083.06	219.78	52.97	-97.15	-1,358.49	97.27	7,117.56	7,022.45	95.11	74.834		
14,600.00	6,877.31	7,474.00	7,083.06	222.59	52.97	-97.15	-1,358.49	97.27	7,216.15	7,120.97	95.19	75.811		
14,700.00	6,875.99	7,474.00	7,083.06	225.41	52.97	-97.15	-1,358.49	97.27	7,314.78	7,219.52	95.26	76.787		
14,800.00	6,874.68	7,474.00	7,083.06	228.22	52.97	-97.15	-1,358.49	97.27	7,413.45	7,318.11	95.33	77.762		
14,900.00	6,873.36	7,474.00	7,083.06	231.03	52.97	-97.15	-1,358.49	97.27	7,512.15	7,416.74	95.41	78.736		
15,000.00	6,872.05	7,474.00	7,083.06	233.85	52.97	-97.15	-1,358.49	97.27	7,610.88	7,515.40	95.48	79.709		
15,100.00	6,870.73	7,474.00	7,083.06	236.66	52.97	-97.15	-1,358.49	97.27	7,709.65	7,614.09	95.56	80.681		
15,200.00	6,869.42	7,474.00	7,083.06	239.48	52.97	-97.15	-1,358.49	97.27	7,808.45	7,712.81	95.63	81.652		
15,300.00	6,868.11	7,474.00	7,083.06	242.29	52.97	-97.15	-1,358.49	97.27	7,907.27	7,811.57	95.71	82.621		
15,400.00	6,866.79	7,474.00	7,083.06	245.11	52.97	-97.15	-1,358.49	97.27	8,006.13	7,910.35	95.78	83.589		
15,460.11	6,866.00	7,474.00	7,083.06	246.80	52.97	-97.15	-1,358.49	97.27	8,065.57	7,969.75	95.82	84.170		
15,460.74	6,865.99	7,474.00	7,083.06	246.82	52.97	-97.15	-1,358.49	97.27	8,066.19	7,970.36	95.82	84.176		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-72.06	302.75	-935.05	983.54					
100.00	100.00	60.61	60.61	3.28	3.29	-72.06	302.79	-935.09	982.90	976.32	6.57	149.538 CC, ES		
200.00	200.00	155.54	155.54	3.34	3.34	-72.04	303.16	-935.47	983.40	976.72	6.68	147.196		
300.00	299.98	252.43	252.42	3.44	3.45	-171.02	303.88	-936.18	986.04	979.15	6.89	143.016		
400.00	399.84	348.54	348.52	3.60	3.60	-171.02	304.79	-937.17	992.48	985.28	7.21	137.732		
500.00	499.45	452.35	452.32	3.80	3.82	-171.03	305.79	-938.15	1,002.29	994.67	7.62	131.535		
584.50	583.35	536.19	536.16	4.01	4.02	-171.06	306.44	-938.82	1,013.07	1,005.04	8.03	126.235		
600.00	598.71	551.18	551.15	4.05	4.06	-171.08	306.55	-938.95	1,015.28	1,007.17	8.11	125.242		
700.00	697.81	649.82	649.78	4.33	4.32	-171.16	307.42	-939.83	1,029.61	1,020.96	8.64	119.127		
800.00	796.91	749.88	749.83	4.64	4.62	-171.30	307.23	-940.89	1,043.78	1,034.55	9.23	113.065		
900.00	896.01	851.84	851.77	4.98	4.93	-171.51	305.83	-942.29	1,057.91	1,048.04	9.86	107.241		
1,000.00	995.11	965.73	965.58	5.34	5.30	-171.85	301.90	-943.47	1,071.11	1,060.54	10.57	101.313		
1,100.00	1,094.21	1,065.43	1,065.04	5.71	5.63	-172.32	295.11	-944.71	1,083.58	1,072.32	11.27	96.180		
1,200.00	1,193.31	1,153.97	1,153.31	6.10	5.95	-172.77	288.43	-946.45	1,096.62	1,084.67	11.95	91.783		
1,300.00	1,292.41	1,241.79	1,240.65	6.49	6.28	-173.32	279.84	-949.62	1,110.69	1,098.04	12.65	87.785		
1,400.00	1,391.51	1,330.38	1,328.36	6.90	6.63	-174.02	268.40	-954.39	1,125.79	1,112.41	13.39	84.103		
1,500.00	1,490.61	1,468.72	1,464.74	7.31	7.22	-175.29	246.23	-961.06	1,139.86	1,125.48	14.39	79.230		
1,600.00	1,589.71	1,574.57	1,568.79	7.73	7.70	-176.32	227.04	-963.80	1,151.56	1,136.29	15.27	75.420		
1,700.00	1,688.81	1,673.81	1,665.75	8.16	8.18	-177.40	206.17	-967.10	1,163.74	1,147.58	16.15	72.036		
1,800.00	1,787.92	1,823.29	1,810.54	8.59	8.96	-179.24	169.19	-969.37	1,173.93	1,156.57	17.36	67.604		
1,900.00	1,887.02	1,938.01	1,920.60	9.02	9.61	-179.21	136.84	-968.10	1,181.61	1,163.18	18.43	64.099		
2,000.00	1,986.12	2,035.49	2,013.17	9.46	10.21	-177.77	106.33	-966.73	1,189.26	1,169.81	19.46	61.129		
2,100.00	2,085.22	2,127.66	2,099.53	9.90	10.83	-176.26	74.16	-965.89	1,197.79	1,177.30	20.50	58.443		
2,200.00	2,184.32	2,191.59	2,158.66	10.34	11.29	-175.12	49.86	-966.27	1,208.47	1,187.10	21.37	56.551		
2,300.00	2,283.42	2,265.31	2,226.03	10.78	11.85	-173.74	20.05	-968.57	1,222.39	1,200.05	22.33	54.737		
2,400.00	2,382.52	2,358.50	2,310.45	11.23	12.60	-171.95	-19.30	-971.93	1,238.03	1,214.54	23.49	52.704		
2,500.00	2,481.62	2,439.11	2,383.27	11.68	13.28	-170.41	-53.73	-974.64	1,254.79	1,230.24	24.55	51.118		
2,600.00	2,580.72	2,510.93	2,448.16	12.13	13.89	-169.08	-84.33	-978.22	1,274.20	1,248.69	25.51	49.942		
2,700.00	2,679.82	2,594.15	2,523.33	12.58	14.61	-167.57	-119.70	-983.02	1,295.56	1,268.97	26.59	48.718		
2,800.00	2,778.92	2,675.30	2,596.59	13.03	15.32	-166.13	-154.24	-988.12	1,318.53	1,290.88	27.65	47.691		
2,900.00	2,878.02	2,749.34	2,663.19	13.48	15.99	-164.84	-186.14	-993.41	1,343.43	1,314.82	28.62	46.946		
3,000.00	2,977.12	2,845.78	2,749.89	13.94	16.87	-163.21	-227.78	-1,000.59	1,369.66	1,339.82	29.84	45.898		
3,100.00	3,076.22	2,942.69	2,837.36	14.39	17.76	-161.66	-268.92	-1,007.40	1,396.38	1,365.31	31.06	44.951		
3,200.00	3,175.32	3,040.48	2,925.60	14.85	18.66	-160.13	-310.61	-1,013.69	1,423.52	1,391.22	32.29	44.081		
3,300.00	3,274.43	3,150.94	3,025.95	15.30	19.67	-158.53	-356.29	-1,020.17	1,450.74	1,417.09	33.66	43.104		
3,400.00	3,373.53	3,253.89	3,120.21	15.76	20.60	-157.14	-397.41	-1,025.03	1,477.30	1,442.38	34.92	42.306		
3,500.00	3,472.63	3,349.19	3,207.26	16.22	21.47	-155.88	-435.97	-1,029.10	1,504.32	1,468.23	36.09	41.688		
3,600.00	3,571.73	3,450.74	3,300.62	16.68	22.38	-154.63	-475.70	-1,033.34	1,531.51	1,494.20	37.31	41.047		
3,700.00	3,670.83	3,532.71	3,375.86	17.14	23.12	-153.64	-508.07	-1,036.56	1,559.20	1,520.89	38.31	40.700		
3,800.00	3,769.93	3,635.65	3,470.36	17.59	24.05	-152.44	-548.67	-1,040.74	1,587.57	1,548.03	39.54	40.148		
3,900.00	3,869.03	3,723.03	3,550.85	18.05	24.83	-151.48	-582.50	-1,044.20	1,616.10	1,575.52	40.59	39.820		
4,000.00	3,968.13	3,782.84	3,605.76	18.51	25.38	-150.83	-606.04	-1,047.05	1,646.09	1,604.79	41.30	39.859		
4,100.00	4,067.23	3,856.32	3,672.62	18.98	26.07	-150.02	-636.19	-1,051.53	1,678.22	1,636.06	42.16	39.802		
4,200.00	4,166.33	3,951.44	3,758.74	19.44	26.98	-148.97	-676.25	-1,056.75	1,710.83	1,667.52	43.31	39.505		
4,300.00	4,265.43	4,049.85	3,847.59	19.90	27.93	-147.89	-718.27	-1,061.65	1,743.76	1,699.27	44.49	39.193		
4,400.00	4,364.53	4,147.53	3,935.85	20.36	28.88	-146.85	-759.91	-1,065.82	1,776.56	1,730.90	45.66	38.908		
4,500.00	4,463.63	4,278.04	4,054.69	20.82	30.11	-145.58	-813.58	-1,070.94	1,808.96	1,761.74	47.22	38.309		
4,600.00	4,562.73	4,350.26	4,120.46	21.28	30.80	-144.89	-843.33	-1,073.31	1,841.14	1,793.08	48.06	38.311		
4,700.00	4,661.83	4,458.67	4,219.19	21.75	31.83	-143.89	-887.99	-1,076.61	1,873.59	1,824.25	49.34	37.976		
4,800.00	4,760.93	4,533.88	4,288.00	22.21	32.53	-143.25	-918.21	-1,079.43	1,906.45	1,856.25	50.19	37.983		
4,900.00	4,860.04	4,628.10	4,374.66	22.67	33.39	-142.51	-954.92	-1,083.85	1,939.80	1,888.53	51.27	37.837		
5,000.00	4,959.14	4,725.83	4,465.36	23.13	34.26	-141.85	-990.86	-1,089.66	1,973.35	1,920.99	52.36	37.690		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,874.99	4,605.44	23.60	35.51	141.00	-1,041.36	-1,098.14	2,005.37	1,951.36	54.00	37.133		
5,200.00	5,157.34	5,002.68	4,726.48	24.06	36.52	140.36	-1,081.60	-1,104.06	2,035.51	1,980.15	55.36	36.766		
5,300.00	5,256.44	5,127.87	4,845.90	24.52	37.48	139.80	-1,118.84	-1,109.01	2,064.33	2,007.67	56.67	36.429		
5,400.00	5,355.54	5,249.10	4,962.34	24.99	38.36	139.34	-1,152.23	-1,113.56	2,091.93	2,034.03	57.90	36.130		
5,500.00	5,454.64	5,393.82	5,102.55	25.45	39.34	138.92	-1,187.66	-1,118.78	2,117.85	2,058.56	59.29	35.720		
5,600.00	5,553.74	5,532.70	5,238.25	25.92	40.20	138.63	-1,216.84	-1,123.43	2,141.79	2,081.22	60.57	35.361		
5,700.00	5,652.84	5,672.21	5,375.56	26.38	40.98	138.47	-1,241.02	-1,128.00	2,163.72	2,101.93	61.79	35.020		
5,800.00	5,751.94	5,836.81	5,538.52	26.84	41.80	138.41	-1,263.69	-1,132.55	2,183.41	2,120.33	63.09	34.610		
5,900.00	5,851.04	5,986.63	5,687.54	27.31	42.46	138.46	-1,278.89	-1,134.83	2,199.99	2,135.77	64.22	34.256		
6,000.00	5,950.14	6,085.08	5,785.57	27.77	42.87	138.51	-1,287.81	-1,136.00	2,215.85	2,150.76	65.09	34.044		
6,100.00	6,049.24	6,179.99	5,880.14	28.24	43.26	138.57	-1,295.76	-1,137.40	2,231.59	2,165.66	65.93	33.846		
6,200.00	6,148.34	6,265.72	5,965.57	28.70	43.60	138.64	-1,302.61	-1,139.44	2,247.88	2,181.15	66.73	33.686		
6,304.69	6,252.09	6,380.95	6,080.45	29.19	44.05	138.77	-1,310.84	-1,143.06	2,265.18	2,197.51	67.67	33.472		
6,350.00	6,297.17	6,443.00	6,142.38	29.39	44.28	127.03	-1,314.20	-1,145.05	2,270.89	2,202.78	68.12	33.338		
6,400.00	6,347.13	6,511.80	6,211.08	29.59	44.52	25.72	-1,317.24	-1,147.02	2,273.55	2,204.98	68.57	33.158		
6,450.00	6,397.02	6,577.95	6,277.18	29.78	44.74	-14.54	-1,319.32	-1,148.85	2,272.42	2,203.45	68.97	32.949		
6,500.00	6,446.53	6,635.30	6,334.49	29.96	44.91	-21.43	-1,320.42	-1,150.51	2,267.62	2,198.32	69.30	32.721		
6,550.00	6,495.35	6,691.24	6,390.40	30.14	45.07	-24.49	-1,320.88	-1,152.30	2,259.29	2,189.68	69.61	32.456		
6,600.00	6,543.19	6,745.55	6,444.68	30.33	45.22	-26.56	-1,320.78	-1,154.20	2,247.52	2,177.63	69.89	32.157		
6,650.00	6,589.76	6,799.58	6,498.66	30.52	45.35	-28.34	-1,320.19	-1,156.21	2,232.40	2,162.25	70.15	31.824		
6,700.00	6,634.75	6,852.86	6,551.90	30.71	45.48	-30.12	-1,319.24	-1,158.23	2,214.02	2,143.64	70.38	31.457		
6,750.00	6,677.90	6,922.73	6,621.69	30.91	45.64	-32.18	-1,317.29	-1,160.69	2,192.34	2,121.70	70.63	31.038		
6,800.00	6,718.94	6,975.11	6,674.02	31.13	45.76	-34.42	-1,315.48	-1,162.19	2,167.46	2,096.63	70.82	30.603		
6,850.00	6,757.62	7,019.11	6,718.00	31.36	45.86	-36.96	-1,314.44	-1,163.00	2,139.88	2,068.90	70.98	30.148		
6,900.00	6,793.70	7,055.55	6,754.44	31.61	45.96	-39.84	-1,314.00	-1,163.33	2,109.88	2,038.76	71.12	29.667		
6,950.00	6,826.95	7,087.47	6,786.36	31.88	46.05	-43.14	-1,314.04	-1,163.35	2,077.75	2,006.52	71.24	29.166		
7,000.00	6,857.18	7,116.00	6,814.89	32.19	46.12	-46.92	-1,314.41	-1,163.17	2,043.77	1,972.43	71.34	28.648		
7,050.00	6,884.18	7,143.28	6,842.15	32.52	46.21	-51.26	-1,314.93	-1,162.89	2,008.17	1,936.73	71.44	28.110		
7,100.00	6,907.81	7,167.39	6,866.26	32.90	46.28	-56.14	-1,315.34	-1,162.67	1,971.22	1,899.69	71.53	27.556		
7,150.00	6,927.91	7,187.91	6,886.78	33.32	46.34	-61.52	-1,315.64	-1,162.50	1,933.20	1,861.58	71.62	26.992		
7,200.00	6,944.36	7,204.69	6,903.56	33.77	46.40	-67.30	-1,315.86	-1,162.38	1,894.39	1,822.69	71.71	26.418		
7,250.00	6,957.05	7,217.61	6,916.47	34.27	46.44	-73.35	-1,316.02	-1,162.29	1,855.11	1,783.31	71.80	25.839		
7,300.00	6,965.92	7,221.74	6,920.61	34.80	46.45	-79.22	-1,316.06	-1,162.29	1,815.66	1,743.78	71.88	25.260		
7,350.00	6,970.89	7,225.54	6,924.41	35.37	46.46	-85.12	-1,316.10	-1,162.28	1,776.32	1,704.34	71.98	24.679		
7,396.89	6,972.00	7,226.37	6,925.23	35.93	46.46	-90.41	-1,316.11	-1,162.28	1,739.78	1,667.69	72.08	24.135		
7,400.00	6,971.96	7,226.33	6,925.20	35.97	46.46	-90.41	-1,316.11	-1,162.28	1,737.37	1,665.28	72.09	24.099		
7,500.00	6,970.65	7,225.17	6,924.03	37.28	46.46	-90.35	-1,316.10	-1,162.28	1,661.26	1,588.84	72.42	22.939		
7,600.00	6,969.33	7,223.95	6,922.82	38.76	46.45	-90.29	-1,316.08	-1,162.28	1,587.81	1,514.87	72.93	21.771		
7,700.00	6,968.02	7,222.67	6,921.54	40.39	46.45	-90.22	-1,316.07	-1,162.29	1,517.38	1,443.73	73.65	20.603		
7,800.00	6,966.70	7,221.33	6,920.20	42.15	46.45	-90.15	-1,316.06	-1,162.29	1,450.44	1,375.84	74.59	19.444		
7,900.00	6,965.39	7,219.92	6,918.79	44.02	46.44	-90.08	-1,316.04	-1,162.29	1,387.47	1,311.67	75.80	18.305		
8,000.00	6,964.07	7,220.25	6,919.12	45.99	46.44	-90.09	-1,316.04	-1,162.28	1,329.05	1,251.77	77.28	17.199		
8,100.00	6,962.76	7,218.18	6,917.05	48.05	46.44	-89.99	-1,316.02	-1,162.29	1,275.81	1,196.77	79.04	16.142		
8,200.00	6,961.45	7,216.10	6,914.97	50.19	46.43	-89.88	-1,316.00	-1,162.30	1,228.41	1,147.32	81.08	15.150		
8,300.00	6,960.13	7,214.00	6,912.86	52.39	46.42	-89.77	-1,315.97	-1,162.32	1,187.55	1,104.14	83.41	14.238		
8,400.00	6,958.82	7,211.87	6,910.74	54.65	46.42	-89.66	-1,315.95	-1,162.33	1,153.94	1,067.95	85.99	13.420		
8,500.00	6,957.50	7,209.74	6,908.60	56.97	46.41	-89.55	-1,315.92	-1,162.34	1,128.21	1,039.44	88.77	12.710		
8,600.00	6,956.19	7,207.58	6,906.45	59.33	46.40	-89.44	-1,315.90	-1,162.36	1,110.91	1,019.23	91.68	12.117		
8,700.00	6,954.87	7,205.40	6,904.27	61.73	46.40	-89.32	-1,315.87	-1,162.37	1,102.44	1,007.80	94.64	11.648		
8,743.73	6,954.30	7,204.44	6,903.31	62.79	46.40	-89.27	-1,315.86	-1,162.38	1,101.58	1,005.65	95.93	11.483		
8,800.00	6,953.56	7,203.21	6,902.08	64.16	46.39	-89.21	-1,315.84	-1,162.39	1,103.01	1,005.47	97.54	11.308		
8,900.00	6,952.24	7,200.99	6,899.86	66.63	46.38	-89.09	-1,315.82	-1,162.41	1,112.60	1,012.34	100.26	11.097		

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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	7,198.76	6,897.63	69.13	46.38	-88.98	-1,315.79	-1,162.42	1,130.98	1,028.27	102.71	11.012 SF		
9,100.00	6,949.61	7,196.51	6,895.38	71.65	46.37	-88.86	-1,315.76	-1,162.44	1,157.73	1,052.92	104.81	11.046		
9,200.00	6,948.30	7,194.24	6,893.11	74.20	46.36	-88.74	-1,315.73	-1,162.46	1,192.29	1,085.76	106.54	11.191		
9,300.00	6,946.98	7,191.94	6,890.81	76.77	46.36	-88.62	-1,315.70	-1,162.47	1,234.01	1,126.12	107.88	11.438		
9,400.00	6,945.67	7,189.63	6,888.50	79.35	46.35	-88.50	-1,315.66	-1,162.49	1,282.18	1,173.31	108.87	11.777		
9,500.00	6,944.35	7,187.30	6,886.17	81.95	46.34	-88.38	-1,315.63	-1,162.51	1,336.10	1,226.56	109.54	12.198		
9,600.00	6,943.04	7,184.95	6,883.82	84.57	46.34	-88.26	-1,315.60	-1,162.53	1,395.12	1,285.18	109.94	12.690		
9,700.00	6,941.73	7,182.57	6,881.44	87.21	46.33	-88.14	-1,315.57	-1,162.55	1,458.60	1,348.49	110.11	13.246		
9,800.00	6,940.41	7,180.18	6,879.05	89.85	46.32	-88.01	-1,315.53	-1,162.57	1,526.00	1,415.89	110.11	13.858		
9,900.00	6,939.10	7,177.76	6,876.63	92.51	46.31	-87.89	-1,315.50	-1,162.59	1,596.82	1,486.84	109.98	14.519		
10,000.00	6,937.78	7,175.32	6,874.19	95.17	46.31	-87.76	-1,315.46	-1,162.61	1,670.62	1,560.88	109.74	15.223		
10,100.00	6,936.47	7,172.86	6,871.73	97.85	46.30	-87.63	-1,315.42	-1,162.63	1,747.03	1,637.60	109.43	15.965		
10,200.00	6,935.15	7,170.37	6,869.24	100.54	46.29	-87.50	-1,315.38	-1,162.65	1,825.71	1,716.65	109.06	16.740		
10,300.00	6,933.84	7,167.86	6,866.74	103.23	46.28	-87.37	-1,315.34	-1,162.67	1,906.39	1,797.73	108.66	17.544		
10,400.00	6,932.52	7,165.33	6,864.21	105.93	46.28	-87.24	-1,315.30	-1,162.69	1,988.83	1,880.59	108.24	18.374		
10,500.00	6,931.21	7,162.78	6,861.65	108.64	46.27	-87.11	-1,315.26	-1,162.71	2,072.81	1,965.00	107.81	19.227		
10,600.00	6,929.89	7,160.20	6,859.08	111.36	46.26	-86.97	-1,315.22	-1,162.74	2,158.15	2,050.78	107.37	20.100		
10,700.00	6,928.58	7,157.60	6,856.48	114.08	46.25	-86.84	-1,315.18	-1,162.76	2,244.70	2,137.77	106.93	20.992		
10,800.00	6,927.26	7,154.97	6,853.85	116.81	46.24	-86.70	-1,315.13	-1,162.78	2,332.32	2,225.82	106.50	21.899		
10,900.00	6,925.95	7,152.32	6,851.20	119.54	46.24	-86.56	-1,315.09	-1,162.81	2,420.90	2,314.82	106.08	22.821		
11,000.00	6,924.64	7,149.65	6,848.52	122.28	46.23	-86.43	-1,315.04	-1,162.83	2,510.34	2,404.67	105.67	23.756		
11,100.00	6,923.32	7,146.94	6,845.82	125.02	46.22	-86.28	-1,315.00	-1,162.86	2,600.54	2,495.27	105.28	24.702		
11,200.00	6,922.01	7,144.22	6,843.09	127.77	46.21	-86.14	-1,314.95	-1,162.88	2,691.44	2,586.54	104.89	25.658		
11,300.00	6,920.69	7,141.46	6,840.34	130.52	46.20	-86.00	-1,314.90	-1,162.91	2,782.95	2,678.43	104.53	26.624		
11,400.00	6,919.38	7,138.68	6,837.56	133.28	46.19	-85.86	-1,314.85	-1,162.94	2,875.03	2,770.86	104.17	27.599		
11,500.00	6,918.06	7,135.87	6,834.75	136.04	46.18	-85.71	-1,314.80	-1,162.96	2,967.62	2,863.79	103.83	28.581		
11,600.00	6,916.75	7,133.04	6,831.92	138.80	46.18	-85.56	-1,314.74	-1,162.99	3,060.68	2,957.17	103.51	29.569		
11,700.00	6,915.43	7,130.18	6,829.06	141.56	46.17	-85.42	-1,314.69	-1,163.02	3,154.15	3,050.96	103.20	30.564		
11,800.00	6,914.12	7,127.28	6,826.16	144.33	46.16	-85.27	-1,314.63	-1,163.05	3,248.02	3,145.12	102.90	31.565		
11,900.00	6,912.80	7,124.36	6,823.25	147.10	46.15	-85.11	-1,314.58	-1,163.08	3,342.24	3,239.62	102.62	32.570		
12,000.00	6,911.49	7,121.41	6,820.30	149.88	46.14	-84.96	-1,314.52	-1,163.11	3,436.78	3,334.43	102.35	33.580		
12,100.00	6,910.17	7,119.00	6,817.88	152.65	46.13	-84.84	-1,314.47	-1,163.14	3,531.62	3,429.53	102.09	34.594		
12,200.00	6,908.86	7,119.00	6,817.88	155.43	46.13	-84.84	-1,314.47	-1,163.14	3,626.74	3,524.89	101.85	35.610		
12,300.00	6,907.54	7,119.00	6,817.88	158.21	46.13	-84.84	-1,314.47	-1,163.14	3,722.11	3,620.50	101.62	36.629		
12,400.00	6,906.23	7,119.00	6,817.88	160.99	46.13	-84.84	-1,314.47	-1,163.14	3,817.72	3,716.33	101.40	37.651		
12,500.00	6,904.92	7,119.00	6,817.88	163.78	46.13	-84.84	-1,314.47	-1,163.14	3,913.55	3,812.36	101.19	38.675		
12,600.00	6,903.60	7,119.00	6,817.88	166.57	46.13	-84.84	-1,314.47	-1,163.14	4,009.59	3,908.60	100.99	39.702		
12,700.00	6,902.29	7,119.00	6,817.88	169.35	46.13	-84.84	-1,314.47	-1,163.14	4,105.81	4,005.01	100.80	40.731		
12,800.00	6,900.97	7,119.00	6,817.88	172.14	46.13	-84.84	-1,314.47	-1,163.14	4,202.21	4,101.59	100.62	41.762		
12,900.00	6,899.66	7,119.00	6,817.88	174.94	46.13	-84.84	-1,314.47	-1,163.14	4,298.77	4,198.32	100.45	42.794		
13,000.00	6,898.34	7,119.00	6,817.88	177.73	46.13	-84.84	-1,314.47	-1,163.14	4,395.49	4,295.20	100.29	43.827		
13,100.00	6,897.03	7,119.00	6,817.88	180.53	46.13	-84.84	-1,314.47	-1,163.14	4,492.35	4,392.22	100.14	44.862		
13,200.00	6,895.71	7,119.00	6,817.88	183.32	46.13	-84.84	-1,314.47	-1,163.14	4,589.35	4,489.36	99.99	45.898		
13,300.00	6,894.40	7,119.00	6,817.88	186.12	46.13	-84.84	-1,314.47	-1,163.14	4,686.47	4,586.62	99.85	46.934		
13,400.00	6,893.08	7,119.00	6,817.88	188.92	46.13	-84.84	-1,314.47	-1,163.14	4,783.71	4,683.99	99.72	47.971		
13,500.00	6,891.77	7,119.00	6,817.88	191.72	46.13	-84.84	-1,314.47	-1,163.14	4,881.06	4,781.47	99.60	49.009		
13,600.00	6,890.45	7,119.00	6,817.88	194.52	46.13	-84.84	-1,314.47	-1,163.14	4,978.52	4,879.05	99.48	50.047		
13,700.00	6,889.14	7,119.00	6,817.88	197.32	46.13	-84.84	-1,314.47	-1,163.14	5,076.08	4,976.71	99.36	51.086		
13,800.00	6,887.82	7,119.00	6,817.88	200.13	46.13	-84.84	-1,314.47	-1,163.14	5,173.73	5,074.47	99.26	52.124		
13,900.00	6,886.51	7,119.00	6,817.88	202.93	46.13	-84.84	-1,314.47	-1,163.14	5,271.47	5,172.31	99.16	53.163		
14,000.00	6,885.20	7,119.00	6,817.88	205.74	46.13	-84.84	-1,314.47	-1,163.14	5,369.29	5,270.23	99.06	54.202		
14,100.00	6,883.88	7,119.00	6,817.88	208.55	46.13	-84.84	-1,314.47	-1,163.14	5,467.19	5,368.21	98.97	55.240		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	7,119.00	6,817.88	211.35	46.13	-84.84	-1,314.47	-1,163.14	5,565.16	5,466.27	98.89	56.278		
14,300.00	6,881.25	7,119.00	6,817.88	214.16	46.13	-84.84	-1,314.47	-1,163.14	5,663.21	5,564.40	98.81	57.316		
14,400.00	6,879.94	7,119.00	6,817.88	216.97	46.13	-84.84	-1,314.47	-1,163.14	5,761.32	5,662.59	98.73	58.354		
14,500.00	6,878.62	7,119.00	6,817.88	219.78	46.13	-84.84	-1,314.47	-1,163.14	5,859.50	5,760.83	98.66	59.391		
14,600.00	6,877.31	7,119.00	6,817.88	222.59	46.13	-84.84	-1,314.47	-1,163.14	5,957.73	5,859.14	98.59	60.427		
14,700.00	6,875.99	7,119.00	6,817.88	225.41	46.13	-84.84	-1,314.47	-1,163.14	6,056.03	5,957.50	98.53	61.463		
14,800.00	6,874.68	7,119.00	6,817.88	228.22	46.13	-84.84	-1,314.47	-1,163.14	6,154.38	6,055.90	98.47	62.498		
14,900.00	6,873.36	7,119.00	6,817.88	231.03	46.13	-84.84	-1,314.47	-1,163.14	6,252.78	6,154.36	98.42	63.532		
15,000.00	6,872.05	7,119.00	6,817.88	233.85	46.13	-84.84	-1,314.47	-1,163.14	6,351.23	6,252.86	98.37	64.566		
15,100.00	6,870.73	7,119.00	6,817.88	236.66	46.13	-84.84	-1,314.47	-1,163.14	6,449.73	6,351.41	98.32	65.598		
15,200.00	6,869.42	7,119.00	6,817.88	239.48	46.13	-84.84	-1,314.47	-1,163.14	6,548.28	6,450.00	98.28	66.630		
15,300.00	6,868.11	7,119.00	6,817.88	242.29	46.13	-84.84	-1,314.47	-1,163.14	6,646.86	6,548.63	98.24	67.660		
15,400.00	6,866.79	7,119.00	6,817.88	245.11	46.13	-84.84	-1,314.47	-1,163.14	6,745.49	6,647.29	98.20	68.690		
15,460.11	6,866.00	7,119.00	6,817.88	246.80	46.13	-84.84	-1,314.47	-1,163.14	6,804.80	6,706.62	98.18	69.308		
15,460.74	6,865.99	7,119.00	6,817.88	246.82	46.13	-84.84	-1,314.47	-1,163.14	6,805.42	6,707.24	98.18	69.315		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-69.15	363.59	-954.53	1,022.14					
100.00	100.00	59.88	59.88	3.28	3.29	-69.15	363.60	-954.58	1,021.48	1,014.91	6.57	155.415 CC, ES		
200.00	200.00	155.28	155.28	3.34	3.34	-69.15	363.66	-955.00	1,021.92	1,015.24	6.68	152.969		
300.00	299.98	256.35	256.35	3.44	3.45	-168.12	364.68	-955.28	1,024.24	1,017.35	6.90	148.515		
400.00	399.84	346.99	346.93	3.60	3.60	-167.98	367.71	-955.12	1,030.39	1,023.20	7.20	143.177		
500.00	499.45	441.17	440.90	3.80	3.79	-167.71	373.82	-954.48	1,040.61	1,033.02	7.59	137.091		
584.50	583.35	516.49	515.84	4.01	3.97	-167.36	381.27	-953.50	1,052.46	1,044.48	7.98	131.876		
600.00	598.71	530.22	529.48	4.05	4.00	-167.29	382.88	-953.29	1,054.92	1,046.86	8.06	130.876		
700.00	697.81	617.85	616.26	4.33	4.26	-166.79	394.92	-951.75	1,071.43	1,062.85	8.58	124.808		
800.00	796.91	700.85	698.07	4.64	4.53	-166.21	408.78	-950.33	1,089.22	1,080.06	9.16	118.922		
900.00	896.01	792.59	788.22	4.98	4.89	-165.51	425.73	-949.00	1,108.08	1,098.26	9.82	112.838		
1,000.00	995.11	890.56	884.28	5.34	5.29	-164.73	444.96	-947.46	1,127.47	1,116.92	10.55	106.860		
1,100.00	1,094.21	986.01	977.47	5.71	5.73	-163.90	465.47	-944.98	1,146.94	1,135.62	11.33	101.260		
1,200.00	1,193.31	1,073.29	1,062.17	6.10	6.17	-163.05	486.31	-942.14	1,167.12	1,155.01	12.11	96.356		
1,300.00	1,292.41	1,154.00	1,139.95	6.49	6.62	-162.19	507.63	-939.18	1,188.42	1,175.52	12.90	92.132		
1,400.00	1,391.51	1,228.06	1,210.72	6.90	7.06	-161.33	529.31	-936.57	1,211.53	1,197.85	13.68	88.563		
1,500.00	1,490.61	1,312.33	1,290.45	7.31	7.60	-160.27	556.45	-933.75	1,236.57	1,222.01	14.55	84.961		
1,600.00	1,589.71	1,395.27	1,368.45	7.73	8.16	-159.22	584.46	-930.77	1,262.70	1,247.26	15.44	81.763		
1,700.00	1,688.81	1,483.78	1,451.66	8.16	8.78	-158.13	614.53	-928.21	1,290.00	1,273.61	16.38	78.734		
1,800.00	1,787.92	1,580.16	1,542.60	8.59	9.46	-157.05	646.37	-926.00	1,317.77	1,300.38	17.39	75.783		
1,900.00	1,887.02	1,674.60	1,632.02	9.02	10.13	-156.07	676.71	-924.16	1,345.71	1,327.33	18.38	73.226		
2,000.00	1,986.12	1,773.24	1,725.81	9.46	10.82	-155.15	707.22	-922.87	1,373.84	1,354.45	19.39	70.842		
2,100.00	2,085.22	1,850.14	1,799.12	9.90	11.36	-154.49	730.42	-922.63	1,402.62	1,382.39	20.23	69.343		
2,200.00	2,184.32	1,951.82	1,895.94	10.34	12.08	-153.66	761.49	-922.67	1,432.14	1,410.87	21.27	67.347		
2,300.00	2,283.42	2,044.42	2,022.84	10.78	13.00	-152.65	799.92	-921.23	1,460.06	1,437.52	22.55	64.756		
2,400.00	2,382.52	2,188.57	2,122.87	11.23	13.71	-151.91	828.82	-918.86	1,486.60	1,463.00	23.60	62.992		
2,500.00	2,481.62	2,309.72	2,239.34	11.68	14.53	-151.08	861.97	-915.36	1,512.72	1,487.93	24.78	61.037		
2,600.00	2,580.72	2,413.10	2,339.25	12.13	15.21	-150.45	888.26	-911.90	1,537.40	1,511.59	25.82	59.553		
2,700.00	2,679.82	2,487.00	2,410.53	12.58	15.70	-150.00	907.64	-909.71	1,563.00	1,536.37	26.62	58.707		
2,800.00	2,778.92	2,576.56	2,496.55	13.03	16.32	-149.43	932.41	-906.96	1,589.60	1,562.03	27.56	57.669		
2,900.00	2,878.02	2,641.42	2,558.38	13.48	16.80	-148.97	951.84	-904.50	1,617.30	1,588.99	28.31	57.122		
3,000.00	2,977.12	2,708.01	2,621.31	13.94	17.30	-148.47	973.46	-902.02	1,646.87	1,617.80	29.07	56.642		
3,100.00	3,076.22	2,794.94	2,703.06	14.39	17.97	-147.81	1,002.90	-899.26	1,677.96	1,647.93	30.02	55.891		
3,200.00	3,175.32	2,899.36	2,802.11	14.85	18.76	-147.13	1,035.89	-897.19	1,708.59	1,677.48	31.12	54.905		
3,300.00	3,274.43	2,995.16	2,893.33	15.30	19.47	-146.58	1,065.15	-895.98	1,739.21	1,707.09	32.12	54.144		
3,400.00	3,373.53	3,110.30	3,003.33	15.76	20.30	-145.98	1,099.12	-894.79	1,769.45	1,736.16	33.29	53.154		
3,500.00	3,472.63	3,205.17	3,094.32	16.22	20.97	-145.53	1,125.96	-894.14	1,799.21	1,764.95	34.26	52.515		
3,600.00	3,571.73	3,315.38	3,200.02	16.68	21.75	-145.02	1,157.11	-892.55	1,828.51	1,793.14	35.37	51.696		
3,700.00	3,670.83	3,412.71	3,293.56	17.14	22.43	-144.59	1,183.97	-891.06	1,857.41	1,821.05	36.36	51.081		
3,800.00	3,769.93	3,549.45	3,425.67	17.59	23.35	-144.11	1,219.21	-890.32	1,885.98	1,848.31	37.67	50.072		
3,900.00	3,869.03	3,658.56	3,531.79	18.05	24.04	-143.79	1,244.58	-889.43	1,912.46	1,873.75	38.71	49.399		
4,000.00	3,968.13	3,742.88	3,613.59	18.51	24.58	-143.51	1,264.95	-888.02	1,939.06	1,899.49	39.57	48.997		
4,100.00	4,067.23	3,824.83	3,692.87	18.98	25.12	-143.23	1,285.64	-886.52	1,966.38	1,925.96	40.42	48.649		
4,200.00	4,166.33	3,923.89	3,789.04	19.44	25.76	-142.97	1,309.39	-886.51	1,994.06	1,952.67	41.39	48.177		
4,300.00	4,265.43	4,323.38	4,183.68	19.90	27.75	-142.68	1,366.52	-883.76	2,015.02	1,970.96	44.06	45.729		
4,400.00	4,364.53	4,426.14	4,286.34	20.36	28.10	-142.81	1,370.57	-882.19	2,027.47	1,982.56	44.90	45.153		
4,500.00	4,463.63	4,555.26	4,415.45	20.82	28.50	-143.07	1,372.48	-882.54	2,039.42	1,993.63	45.80	44.533		
4,600.00	4,562.73	4,658.23	4,518.41	21.28	28.78	-143.34	1,372.05	-883.65	2,050.64	2,004.05	46.58	44.020		
4,700.00	4,661.83	4,768.40	4,628.54	21.75	29.08	-143.67	1,370.00	-885.79	2,061.46	2,014.08	47.38	43.508		
4,800.00	4,760.93	4,870.17	4,730.27	22.21	29.35	-143.96	1,367.94	-887.46	2,072.03	2,023.88	48.15	43.029		
4,900.00	4,860.04	4,963.55	4,823.64	22.67	29.60	-144.21	1,366.53	-888.52	2,082.65	2,033.74	48.91	42.580		
5,000.00	4,959.14	5,055.81	4,915.89	23.13	29.86	-144.46	1,365.45	-889.70	2,093.66	2,043.99	49.67	42.150		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,149.53	5,009.60	23.60	30.13	-144.69	1,364.71	-890.92	2,104.97	2,054.53	50.44	41.734		
5,200.00	5,157.34	5,236.50	5,096.55	24.06	30.40	-144.91	1,364.42	-892.14	2,116.72	2,065.53	51.19	41.349		
5,300.00	5,256.44	5,325.30	5,185.34	24.52	30.67	-145.12	1,364.59	-893.64	2,129.06	2,077.10	51.95	40.981		
5,400.00	5,355.54	5,417.66	5,277.68	24.99	30.96	-145.33	1,365.03	-895.39	2,141.78	2,089.05	52.73	40.619		
5,500.00	5,454.64	5,521.36	5,381.36	25.45	31.29	-145.57	1,365.62	-897.35	2,154.59	2,101.03	53.55	40.235		
5,600.00	5,553.74	5,617.67	5,477.65	25.92	31.60	-145.79	1,366.04	-899.11	2,167.30	2,112.96	54.34	39.881		
5,700.00	5,652.84	5,710.27	5,570.23	26.38	31.90	-146.01	1,366.22	-901.34	2,180.31	2,125.18	55.12	39.552		
5,800.00	5,751.94	5,803.61	5,663.54	26.84	32.21	-146.22	1,366.78	-903.58	2,193.61	2,137.70	55.91	39.235		
5,900.00	5,851.04	5,893.80	5,753.70	27.31	32.51	-146.41	1,367.80	-905.67	2,207.24	2,150.55	56.69	38.938		
6,000.00	5,950.14	5,996.24	5,856.10	27.77	32.86	-146.63	1,369.13	-908.37	2,221.24	2,163.73	57.52	38.619		
6,100.00	6,049.24	6,121.66	5,981.49	28.24	33.29	-146.88	1,370.39	-910.15	2,234.14	2,175.70	58.44	38.227		
6,200.00	6,148.34	6,212.57	6,072.39	28.70	33.61	-147.05	1,371.29	-911.20	2,246.89	2,187.66	59.23	37.933		
6,304.69	6,252.09	6,301.36	6,161.16	29.19	33.92	-147.22	1,372.42	-912.56	2,260.77	2,200.74	60.03	37.658		
6,350.00	6,297.17	6,339.47	6,199.26	29.39	34.06	-159.65	1,373.06	-913.26	2,265.85	2,205.48	60.37	37.532		
6,400.00	6,347.13	6,385.21	6,244.98	29.59	34.22	98.72	1,373.92	-914.19	2,268.90	2,208.16	60.74	37.355		
6,450.00	6,397.02	6,433.65	6,293.40	29.78	34.40	58.60	1,374.88	-915.19	2,269.15	2,208.05	61.10	37.139		
6,500.00	6,446.53	6,481.80	6,341.53	29.96	34.57	52.29	1,375.85	-916.21	2,266.59	2,205.14	61.44	36.889		
6,550.00	6,495.35	6,556.85	6,416.56	30.14	34.84	50.39	1,377.10	-917.55	2,261.00	2,199.10	61.89	36.530		
6,600.00	6,543.19	6,634.27	6,493.97	30.33	35.11	50.06	1,377.62	-918.28	2,252.05	2,189.71	62.33	36.128		
6,650.00	6,589.76	6,692.60	6,552.31	30.52	35.31	50.46	1,377.77	-918.36	2,240.06	2,177.39	62.68	35.740		
6,700.00	6,634.75	6,750.54	6,610.24	30.71	35.51	51.45	1,377.87	-918.02	2,225.31	2,162.30	63.00	35.320		
6,750.00	6,677.90	6,793.02	6,652.73	30.91	35.65	52.78	1,377.92	-917.60	2,208.08	2,144.81	63.27	34.899		
6,800.00	6,718.94	6,831.25	6,690.95	31.13	35.78	54.45	1,377.98	-917.26	2,188.74	2,125.22	63.52	34.460		
6,850.00	6,757.62	6,867.29	6,726.99	31.36	35.91	56.47	1,378.06	-916.98	2,167.46	2,103.71	63.75	33.998		
6,900.00	6,793.70	6,901.45	6,761.14	31.61	36.02	58.82	1,378.15	-916.76	2,144.46	2,080.47	63.99	33.513		
6,950.00	6,826.95	6,934.43	6,794.13	31.88	36.14	61.49	1,378.25	-916.54	2,119.93	2,055.70	64.23	33.005		
7,000.00	6,857.18	6,964.37	6,824.07	32.19	36.24	64.44	1,378.33	-916.35	2,094.09	2,029.61	64.48	32.478		
7,050.00	6,884.18	6,991.08	6,850.78	32.52	36.33	67.61	1,378.40	-916.18	2,067.19	2,002.45	64.74	31.933		
7,100.00	6,907.81	7,014.41	6,874.10	32.90	36.41	70.95	1,378.47	-916.03	2,039.49	1,974.48	65.01	31.372		
7,150.00	6,927.91	7,034.19	6,893.89	33.32	36.48	74.40	1,378.53	-915.91	2,011.26	1,945.95	65.31	30.797		
7,200.00	6,944.36	7,047.92	6,907.62	33.77	36.53	77.81	1,378.57	-915.83	1,982.76	1,917.14	65.63	30.213		
7,250.00	6,957.05	7,058.99	6,918.69	34.27	36.57	81.20	1,378.61	-915.78	1,954.26	1,888.28	65.98	29.620		
7,300.00	6,965.92	7,066.70	6,926.40	34.80	36.60	84.50	1,378.64	-915.75	1,925.99	1,859.62	66.36	29.023		
7,350.00	6,970.89	7,070.97	6,930.67	35.37	36.61	87.63	1,378.65	-915.73	1,898.19	1,831.41	66.78	28.425		
7,396.89	6,972.00	7,071.81	6,931.51	35.93	36.62	90.39	1,378.66	-915.73	1,872.74	1,805.54	67.20	27.868		
7,400.00	6,971.96	7,071.77	6,931.46	35.97	36.62	90.38	1,378.66	-915.73	1,871.08	1,803.85	67.23	27.832		
7,500.00	6,970.65	7,070.25	6,929.95	37.28	36.61	90.33	1,378.65	-915.73	1,819.67	1,751.39	68.28	26.649		
7,600.00	6,969.33	7,068.72	6,928.41	38.76	36.60	90.27	1,378.65	-915.74	1,772.42	1,702.85	69.57	25.478		
7,700.00	6,968.02	7,067.16	6,926.86	40.39	36.60	90.22	1,378.64	-915.74	1,729.66	1,658.58	71.08	24.334		
7,800.00	6,966.70	7,065.59	6,925.29	42.15	36.59	90.16	1,378.63	-915.75	1,691.73	1,618.93	72.80	23.238		
7,900.00	6,965.39	7,064.00	6,923.69	44.02	36.59	90.10	1,378.63	-915.76	1,658.98	1,584.27	74.71	22.206		
8,000.00	6,964.07	7,062.39	6,922.08	45.99	36.58	90.05	1,378.62	-915.76	1,631.70	1,554.93	76.77	21.255		
8,100.00	6,962.76	7,060.76	6,920.45	48.05	36.58	89.99	1,378.61	-915.77	1,610.18	1,531.24	78.94	20.396		
8,200.00	6,961.45	7,059.10	6,918.80	50.19	36.57	89.93	1,378.61	-915.78	1,594.65	1,513.45	81.20	19.640		
8,300.00	6,960.13	7,057.43	6,917.13	52.39	36.56	89.87	1,378.60	-915.78	1,585.29	1,501.81	83.48	18.991		
8,398.94	6,958.83	7,055.76	6,915.45	54.63	36.56	89.81	1,378.60	-915.79	1,582.20	1,496.48	85.72	18.458		
8,400.00	6,958.82	7,055.74	6,915.43	54.65	36.56	89.80	1,378.60	-915.79	1,582.20	1,496.45	85.74	18.453		
8,500.00	6,957.50	7,054.02	6,913.72	56.97	36.55	89.74	1,378.59	-915.80	1,585.42	1,497.46	87.96	18.025		
8,600.00	6,956.19	7,052.29	6,911.98	59.33	36.55	89.68	1,378.58	-915.81	1,594.92	1,504.84	90.07	17.707		
8,700.00	6,954.87	7,050.53	6,910.22	61.73	36.54	89.62	1,378.58	-915.82	1,610.58	1,518.51	92.07	17.494		
8,800.00	6,953.56	7,048.75	6,908.44	64.16	36.53	89.55	1,378.57	-915.83	1,632.22	1,538.31	93.91	17.381		
8,900.00	6,952.24	7,046.94	6,906.64	66.63	36.53	89.49	1,378.57	-915.84	1,659.62	1,564.03	95.58	17.363 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 13N-6B-M
<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 13N-6B-M	<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	6,950.93	7,045.11	6,904.81	69.13	36.52	89.42	1,378.56	-915.85	1,692.49	1,595.40	97.09	17.433		
9,100.00	6,949.61	7,043.26	6,902.95	71.65	36.51	89.35	1,378.55	-915.86	1,730.51	1,632.11	98.41	17.585		
9,200.00	6,948.30	7,041.38	6,901.08	74.20	36.51	89.28	1,378.55	-915.87	1,773.37	1,673.81	99.56	17.812		
9,300.00	6,946.98	7,039.48	6,899.17	76.77	36.50	89.22	1,378.54	-915.88	1,820.71	1,720.17	100.54	18.109		
9,400.00	6,945.67	7,037.55	6,897.25	79.35	36.49	89.15	1,378.54	-915.89	1,872.20	1,770.83	101.37	18.469		
9,500.00	6,944.35	7,035.59	6,895.29	81.95	36.49	89.08	1,378.53	-915.90	1,927.51	1,825.45	102.06	18.886		
9,600.00	6,943.04	7,033.61	6,893.31	84.57	36.48	89.00	1,378.52	-915.91	1,986.31	1,883.69	102.62	19.356		
9,700.00	6,941.73	7,031.60	6,891.30	87.21	36.47	88.93	1,378.52	-915.92	2,048.31	1,945.24	103.07	19.873		
9,800.00	6,940.41	7,029.57	6,889.26	89.85	36.47	88.86	1,378.51	-915.94	2,113.21	2,009.80	103.42	20.434		
9,900.00	6,939.10	7,027.58	6,887.28	92.51	36.46	88.79	1,378.51	-915.95	2,180.78	2,077.10	103.68	21.034		
10,000.00	6,937.78	7,025.62	6,885.31	95.17	36.45	88.71	1,378.50	-915.96	2,250.75	2,146.89	103.87	21.670		
10,100.00	6,936.47	7,023.65	6,883.35	97.85	36.45	88.64	1,378.50	-915.97	2,322.93	2,218.93	103.99	22.338		
10,200.00	6,935.15	7,021.69	6,881.39	100.54	36.44	88.57	1,378.49	-915.99	2,397.10	2,293.03	104.06	23.035		
10,300.00	6,933.84	7,019.73	6,879.43	103.23	36.43	88.50	1,378.49	-916.00	2,473.09	2,369.00	104.09	23.759		
10,400.00	6,932.52	7,017.77	6,877.46	105.93	36.43	88.43	1,378.48	-916.01	2,550.73	2,446.65	104.08	24.508		
10,500.00	6,931.21	7,015.80	6,875.50	108.64	36.42	88.36	1,378.47	-916.02	2,629.88	2,525.85	104.04	25.279		
10,600.00	6,929.89	7,013.84	6,873.54	111.36	36.41	88.29	1,378.47	-916.04	2,710.41	2,606.45	103.97	26.070		
10,700.00	6,928.58	7,011.88	6,871.57	114.08	36.40	88.22	1,378.46	-916.05	2,792.20	2,688.32	103.88	26.879		
10,800.00	6,927.26	7,009.91	6,869.61	116.81	36.40	88.15	1,378.46	-916.06	2,875.14	2,771.37	103.77	27.706		
10,900.00	6,925.95	7,007.95	6,867.65	119.54	36.39	88.07	1,378.45	-916.07	2,959.13	2,855.48	103.66	28.548		
11,000.00	6,924.64	7,005.99	6,865.69	122.28	36.38	88.00	1,378.45	-916.09	3,044.09	2,940.56	103.53	29.404		
11,100.00	6,923.32	7,004.03	6,863.72	125.02	36.38	87.93	1,378.44	-916.10	3,129.94	3,026.55	103.39	30.273		
11,200.00	6,922.01	7,002.06	6,861.76	127.77	36.37	87.86	1,378.44	-916.11	3,216.60	3,113.35	103.25	31.154		
11,300.00	6,920.69	7,000.10	6,859.80	130.52	36.36	87.79	1,378.43	-916.12	3,304.02	3,200.92	103.10	32.046		
11,400.00	6,919.38	6,998.14	6,857.83	133.28	36.36	87.72	1,378.42	-916.14	3,392.13	3,289.17	102.95	32.949		
11,500.00	6,918.06	6,996.17	6,855.87	136.04	36.35	87.65	1,378.42	-916.15	3,480.88	3,378.08	102.80	33.860		
11,600.00	6,916.75	6,994.21	6,853.91	138.80	36.34	87.58	1,378.41	-916.16	3,570.22	3,467.57	102.65	34.781		
11,700.00	6,915.43	6,992.25	6,851.94	141.56	36.34	87.51	1,378.41	-916.17	3,660.12	3,557.62	102.50	35.709		
11,800.00	6,914.12	6,990.28	6,849.98	144.33	36.33	87.44	1,378.40	-916.19	3,750.52	3,648.17	102.35	36.644		
11,900.00	6,912.80	6,988.32	6,848.02	147.10	36.32	87.37	1,378.40	-916.20	3,841.40	3,739.20	102.20	37.587		
12,000.00	6,911.49	6,986.35	6,846.05	149.88	36.32	87.29	1,378.39	-916.21	3,932.73	3,830.67	102.05	38.535		
12,100.00	6,910.17	6,984.39	6,844.09	152.65	36.31	87.22	1,378.39	-916.22	4,024.46	3,922.55	101.91	39.490		
12,200.00	6,908.86	6,982.43	6,842.13	155.43	36.30	87.15	1,378.38	-916.24	4,116.58	4,014.81	101.77	40.450		
12,300.00	6,907.54	6,980.46	6,840.16	158.21	36.30	87.08	1,378.37	-916.25	4,209.05	4,107.42	101.63	41.414		
12,400.00	6,906.23	6,978.50	6,838.20	160.99	36.29	87.01	1,378.37	-916.26	4,301.87	4,200.37	101.50	42.384		
12,500.00	6,904.92	6,976.54	6,836.23	163.78	36.28	86.94	1,378.36	-916.27	4,394.99	4,293.63	101.37	43.357		
12,600.00	6,903.60	6,974.57	6,834.27	166.57	36.28	86.87	1,378.36	-916.29	4,488.41	4,387.18	101.24	44.335		
12,700.00	6,902.29	6,972.61	6,832.31	169.35	36.27	86.80	1,378.35	-916.30	4,582.11	4,481.00	101.12	45.316		
12,800.00	6,900.97	6,970.64	6,830.34	172.14	36.26	86.73	1,378.35	-916.31	4,676.07	4,575.08	100.99	46.300		
12,900.00	6,899.66	6,968.68	6,828.38	174.94	36.26	86.66	1,378.34	-916.32	4,770.28	4,669.40	100.88	47.288		
13,000.00	6,898.34	6,966.72	6,826.41	177.73	36.25	86.58	1,378.34	-916.34	4,864.71	4,763.94	100.76	48.278		
13,100.00	6,897.03	6,964.75	6,824.45	180.53	36.24	86.51	1,378.33	-916.35	4,959.36	4,858.71	100.65	49.271		
13,200.00	6,895.71	6,962.79	6,822.49	183.32	36.24	86.44	1,378.33	-916.36	5,054.22	4,953.67	100.55	50.266		
13,300.00	6,894.40	6,960.82	6,820.52	186.12	36.23	86.37	1,378.32	-916.38	5,149.27	5,048.82	100.45	51.264		
13,400.00	6,893.08	6,958.86	6,818.56	188.92	36.22	86.30	1,378.31	-916.39	5,244.50	5,144.16	100.35	52.264		
13,500.00	6,891.77	6,956.89	6,816.59	191.72	36.21	86.23	1,378.31	-916.40	5,339.91	5,239.66	100.25	53.265		
13,600.00	6,890.45	6,954.93	6,814.63	194.52	36.21	86.16	1,378.30	-916.41	5,435.48	5,335.32	100.16	54.268		
13,700.00	6,889.14	6,952.97	6,812.66	197.32	36.20	86.09	1,378.30	-916.43	5,531.21	5,431.14	100.07	55.273		
13,800.00	6,887.82	6,951.00	6,810.70	200.13	36.19	86.02	1,378.29	-916.44	5,627.09	5,527.10	99.99	56.279		
13,900.00	6,886.51	6,949.04	6,808.74	202.93	36.19	85.95	1,378.29	-916.45	5,723.10	5,623.20	99.90	57.286		
14,000.00	6,885.20	6,947.07	6,806.77	205.74	36.18	85.88	1,378.28	-916.46	5,819.25	5,719.43	99.83	58.294		
14,100.00	6,883.88	6,945.11	6,804.81	208.55	36.17	85.81	1,378.28	-916.48	5,915.53	5,815.78	99.75	59.304		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,943.14	6,802.84	211.35	36.17	85.74	1,378.27	-916.49	6,011.93	5,912.25	99.68	60.314		
14,300.00	6,881.25	6,941.18	6,800.88	214.16	36.16	85.66	1,378.27	-916.50	6,108.44	6,008.83	99.61	61.325		
14,400.00	6,879.94	6,939.21	6,798.91	216.97	36.15	85.59	1,378.26	-916.51	6,205.06	6,105.52	99.54	62.337		
14,500.00	6,878.62	6,937.25	6,796.95	219.78	36.15	85.52	1,378.25	-916.53	6,301.79	6,202.31	99.48	63.349		
14,600.00	6,877.31	6,935.28	6,794.98	222.59	36.14	85.45	1,378.25	-916.54	6,398.62	6,299.20	99.42	64.362		
14,700.00	6,875.99	6,933.32	6,793.02	225.41	36.13	85.38	1,378.24	-916.55	6,495.54	6,396.18	99.36	65.375		
14,800.00	6,874.68	6,931.35	6,791.05	228.22	36.13	85.31	1,378.24	-916.56	6,592.55	6,493.25	99.30	66.388		
14,900.00	6,873.36	6,929.39	6,789.09	231.03	36.12	85.24	1,378.23	-916.58	6,689.66	6,590.41	99.25	67.402		
15,000.00	6,872.05	6,927.42	6,787.12	233.85	36.11	85.17	1,378.23	-916.59	6,786.84	6,687.64	99.20	68.415		
15,100.00	6,870.73	6,925.46	6,785.16	236.66	36.11	85.10	1,378.22	-916.60	6,884.11	6,784.95	99.15	69.429		
15,200.00	6,869.42	6,923.49	6,783.19	239.48	36.10	85.03	1,378.22	-916.61	6,981.45	6,882.34	99.11	70.443		
15,300.00	6,868.11	6,921.53	6,781.23	242.29	36.09	84.96	1,378.21	-916.63	7,078.86	6,979.80	99.07	71.457		
15,400.00	6,866.79	6,919.56	6,779.26	245.11	36.09	84.89	1,378.20	-916.64	7,176.35	7,077.33	99.02	72.470		
15,460.11	6,866.00	6,918.38	6,778.08	246.80	36.08	84.84	1,378.20	-916.65	7,234.98	7,135.98	99.00	73.079		
15,460.74	6,865.99	6,918.37	6,778.07	246.82	36.08	84.84	1,378.20	-916.65	7,235.59	7,136.59	99.00	73.086		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-70.60	332.99	-945.63	1,003.26					
100.00	100.00	57.57	57.57	3.28	3.29	-70.60	333.04	-945.71	1,002.64	996.07	6.57	152.560		
200.00	200.00	147.92	147.91	3.34	3.34	-70.59	333.50	-946.43	1,003.57	996.89	6.68	150.323		
300.00	299.98	265.18	265.15	3.44	3.47	-169.51	335.30	-946.77	1,006.11	999.21	6.91	145.623		
400.00	399.84	426.31	425.89	3.60	3.76	-169.06	342.45	-938.90	1,008.29	1,000.91	7.38	136.679		
500.00	499.45	543.93	542.80	3.80	4.05	-168.61	348.65	-927.52	1,009.55	1,001.68	7.87	128.240		
584.50	583.35	641.07	639.11	4.01	4.34	-168.22	354.18	-916.21	1,011.84	1,003.48	8.36	121.049		
600.00	598.71	655.38	653.29	4.05	4.38	-168.15	355.12	-914.45	1,012.45	1,004.01	8.44	119.926		
700.00	697.81	752.28	749.09	4.33	4.72	-167.64	363.00	-902.28	1,016.71	1,007.68	9.03	112.547		
800.00	796.91	853.43	848.54	4.64	5.13	-166.90	374.79	-888.12	1,021.00	1,011.29	9.71	105.098		
900.00	896.01	979.59	971.88	4.98	5.70	-165.79	392.04	-868.05	1,024.55	1,013.96	10.59	96.732		
1,000.00	995.11	1,110.08	1,097.78	5.34	6.39	-164.35	413.13	-841.03	1,024.75	1,013.15	11.60	88.362		
1,100.00	1,094.21	1,239.39	1,221.93	5.71	7.16	-162.88	433.16	-810.97	1,022.91	1,010.24	12.67	80.753		
1,200.00	1,193.31	1,343.74	1,321.65	6.10	7.82	-161.66	448.79	-784.47	1,019.27	1,005.62	13.65	74.691		
1,300.00	1,292.41	1,428.69	1,402.79	6.49	8.38	-160.64	462.05	-763.11	1,016.53	1,001.98	14.55	69.856		
1,400.00	1,391.51	1,517.61	1,487.68	6.90	8.99	-159.53	476.88	-741.22	1,015.21	999.69	15.52	65.426		
1,500.00	1,490.61	1,616.74	1,581.95	7.31	9.68	-158.21	494.92	-716.45	1,014.77	998.18	16.59	61.162		
1,600.00	1,589.71	1,724.02	1,683.79	7.73	10.46	-156.76	514.27	-688.78	1,014.11	996.36	17.75	57.119		
1,700.00	1,688.81	1,832.51	1,786.80	8.16	11.26	-155.32	533.02	-660.39	1,013.35	994.40	18.95	53.483		
1,800.00	1,787.92	1,925.72	1,875.06	8.59	11.96	-154.05	548.96	-635.03	1,012.17	992.12	20.06	50.462		
1,817.21	1,804.97	1,939.92	1,888.56	8.66	12.07	-153.87	551.34	-631.32	1,012.15	991.91	20.24	50.013		
1,900.00	1,887.02	2,009.02	1,954.37	9.02	12.58	-152.98	563.00	-613.78	1,012.79	991.68	21.11	47.987		
2,000.00	1,986.12	2,104.62	2,045.37	9.46	13.29	-151.73	580.04	-589.94	1,014.91	992.66	22.25	45.611		
2,100.00	2,085.22	2,201.56	2,137.61	9.90	14.01	-150.46	597.17	-565.54	1,017.30	993.88	23.42	43.441		
2,200.00	2,184.32	2,301.55	2,232.93	10.34	14.76	-149.19	614.46	-540.75	1,020.27	995.66	24.61	41.455		
2,300.00	2,283.42	2,417.62	2,343.77	10.78	15.62	-147.79	632.93	-511.73	1,022.73	996.81	25.92	39.464		
2,400.00	2,382.52	2,485.29	2,408.63	11.23	16.11	-147.01	643.67	-495.67	1,026.41	999.55	26.86	38.214		
2,500.00	2,481.62	2,598.35	2,516.82	11.68	16.94	-145.68	662.47	-468.80	1,031.14	1,002.99	28.15	36.629		
2,600.00	2,580.72	2,709.62	2,622.66	12.13	17.79	-144.29	680.53	-439.60	1,034.19	1,004.73	29.46	35.102		
2,700.00	2,679.82	2,795.98	2,704.67	12.58	18.46	-143.19	695.06	-416.76	1,038.05	1,007.46	30.59	33.930		
2,800.00	2,778.92	2,900.27	2,804.42	13.03	19.23	-141.99	711.64	-391.24	1,043.14	1,011.30	31.84	32.766		
2,900.00	2,878.02	2,995.64	2,896.01	13.48	19.92	-140.99	725.08	-368.30	1,047.60	1,014.61	32.99	31.759		
3,000.00	2,977.12	3,084.16	2,981.50	13.94	20.53	-140.16	737.09	-348.79	1,053.32	1,019.26	34.05	30.934		
3,100.00	3,076.22	3,168.36	3,063.50	14.39	21.06	-139.52	747.44	-332.74	1,060.32	1,025.28	35.03	30.267		
3,200.00	3,175.32	3,254.38	3,147.91	14.85	21.56	-139.03	757.13	-319.28	1,068.87	1,032.90	35.97	29.714		
3,300.00	3,274.43	3,339.97	3,232.30	15.30	22.01	-138.67	766.10	-308.17	1,078.65	1,041.79	36.86	29.263		
3,400.00	3,373.53	3,432.79	3,324.25	15.76	22.47	-138.43	774.83	-298.97	1,089.58	1,051.83	37.75	28.862		
3,500.00	3,472.63	3,533.70	3,424.55	16.22	22.91	-138.33	782.58	-291.21	1,100.63	1,061.98	38.65	28.478		
3,600.00	3,571.73	3,641.04	3,531.61	16.68	23.33	-138.43	787.94	-285.74	1,111.27	1,071.74	39.52	28.116		
3,700.00	3,670.83	3,751.61	3,642.11	17.14	23.71	-138.73	790.16	-282.47	1,120.98	1,080.63	40.35	27.780		
3,800.00	3,769.93	3,848.89	3,739.35	17.59	24.02	-139.04	790.97	-279.99	1,130.11	1,089.01	41.10	27.498		
3,900.00	3,869.03	3,933.37	3,823.82	18.05	24.28	-139.39	791.49	-279.61	1,140.43	1,098.66	41.77	27.304		
4,000.00	3,968.13	4,032.83	3,923.28	18.51	24.58	-139.81	792.05	-279.77	1,151.18	1,108.68	42.50	27.087		
4,100.00	4,067.23	4,125.53	4,015.98	18.98	24.87	-140.18	792.98	-279.90	1,162.32	1,119.11	43.21	26.902		
4,200.00	4,166.33	4,220.99	4,111.43	19.44	25.17	-140.53	794.66	-280.00	1,174.03	1,130.10	43.94	26.722		
4,300.00	4,265.43	4,315.67	4,206.09	19.90	25.47	-140.87	796.41	-280.19	1,185.94	1,141.28	44.66	26.552		
4,400.00	4,364.53	4,411.33	4,301.72	20.36	25.78	-141.21	798.60	-280.69	1,198.41	1,153.01	45.40	26.397		
4,500.00	4,463.63	4,510.76	4,401.13	20.82	26.10	-141.56	800.70	-281.40	1,210.94	1,164.78	46.16	26.235		
4,600.00	4,562.73	4,609.28	4,499.62	21.28	26.42	-141.93	802.51	-282.40	1,223.51	1,176.60	46.91	26.083		
4,700.00	4,661.83	4,705.77	4,596.09	21.75	26.73	-142.29	804.21	-283.60	1,236.23	1,188.59	47.64	25.947		
4,800.00	4,760.93	4,814.82	4,705.12	22.21	27.07	-142.70	805.66	-285.16	1,248.84	1,200.39	48.45	25.776		
4,900.00	4,860.04	4,966.44	4,856.73	22.67	27.54	-143.30	804.72	-285.17	1,259.24	1,209.79	49.44	25.468		

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 13N-6B-M
<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 13N-6B-M	<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	4,959.14	5,064.21	4,954.46	23.13	27.86	-143.64	802.81	-283.07	1,267.14	1,216.95	50.19	25.247		
5,100.00	5,058.24	5,154.62	5,044.84	23.60	28.15	-143.95	801.56	-281.41	1,275.69	1,224.78	50.91	25.057		
5,200.00	5,157.34	5,242.98	5,133.19	24.06	28.44	-144.26	800.78	-280.30	1,285.06	1,233.44	51.62	24.895		
5,300.00	5,256.44	5,346.66	5,236.86	24.52	28.78	-144.62	799.86	-279.43	1,294.76	1,242.36	52.40	24.709		
5,400.00	5,355.54	5,444.75	5,334.94	24.99	29.12	-144.93	799.31	-278.04	1,304.33	1,251.16	53.17	24.533		
5,500.00	5,454.64	5,535.68	5,425.86	25.45	29.44	-145.20	799.15	-276.82	1,314.24	1,260.34	53.90	24.381		
5,600.00	5,553.74	5,620.87	5,511.05	25.92	29.74	-145.46	799.58	-276.29	1,325.16	1,270.55	54.61	24.266		
5,700.00	5,652.84	5,713.37	5,603.54	26.38	30.07	-145.72	800.67	-275.98	1,336.80	1,281.44	55.36	24.146		
5,800.00	5,751.94	5,803.90	5,694.06	26.84	30.40	-145.96	802.25	-276.03	1,349.11	1,293.01	56.10	24.047		
5,900.00	5,851.04	5,900.85	5,790.99	27.31	30.74	-146.22	804.07	-276.36	1,361.77	1,304.89	56.89	23.939		
6,000.00	5,950.14	6,004.66	5,894.78	27.77	31.11	-146.52	805.66	-277.22	1,374.58	1,316.88	57.70	23.822		
6,100.00	6,049.24	6,121.10	6,011.21	28.24	31.50	-146.93	805.16	-278.59	1,386.38	1,327.81	58.57	23.669		
6,200.00	6,148.34	6,239.92	6,130.02	28.70	31.89	-147.35	803.34	-278.91	1,396.81	1,337.37	59.44	23.498		
6,304.69	6,252.09	6,327.39	6,217.48	29.19	32.19	-147.64	802.35	-278.79	1,407.78	1,347.62	60.16	23.401		
6,350.00	6,297.17	6,363.87	6,253.95	29.39	32.31	-160.04	802.21	-278.95	1,411.78	1,351.33	60.46	23.352		
6,400.00	6,347.13	6,404.46	6,294.55	29.59	32.45	98.39	802.20	-279.34	1,413.80	1,353.03	60.77	23.263		
6,450.00	6,397.02	6,450.72	6,340.80	29.78	32.61	58.35	802.30	-279.96	1,413.18	1,352.06	61.12	23.122		
6,500.00	6,446.53	6,496.69	6,386.77	29.96	32.77	52.14	802.45	-280.70	1,409.84	1,348.39	61.46	22.940		
6,550.00	6,495.35	6,541.68	6,431.75	30.14	32.93	50.24	802.73	-281.46	1,403.85	1,342.05	61.79	22.718		
6,600.00	6,543.19	6,585.83	6,475.89	30.33	33.08	49.83	803.19	-282.21	1,395.27	1,333.15	62.13	22.459		
6,650.00	6,589.76	6,627.00	6,517.05	30.52	33.23	50.21	803.77	-282.97	1,384.26	1,321.82	62.44	22.169		
6,700.00	6,634.75	6,667.04	6,557.07	30.71	33.37	51.14	804.46	-283.81	1,370.97	1,308.21	62.76	21.846		
6,750.00	6,677.90	6,705.51	6,595.52	30.91	33.51	52.51	805.24	-284.70	1,355.55	1,292.48	63.07	21.493		
6,800.00	6,718.94	6,742.23	6,632.23	31.13	33.64	54.27	806.11	-285.62	1,338.21	1,274.82	63.38	21.112		
6,850.00	6,757.62	6,777.84	6,667.81	31.36	33.77	56.39	807.08	-286.57	1,319.13	1,255.42	63.71	20.704		
6,900.00	6,793.70	6,812.22	6,702.16	31.61	33.89	58.86	808.10	-287.51	1,298.51	1,234.46	64.06	20.271		
6,950.00	6,826.95	6,844.04	6,733.96	31.88	34.01	61.60	809.11	-288.39	1,276.62	1,212.20	64.42	19.817		
7,000.00	6,857.18	6,877.86	6,767.75	32.19	34.13	64.76	810.23	-289.29	1,253.71	1,188.86	64.84	19.335		
7,050.00	6,884.18	6,909.84	6,799.70	32.52	34.25	68.16	811.27	-290.02	1,229.97	1,164.68	65.30	18.836		
7,100.00	6,907.81	6,937.66	6,827.50	32.90	34.35	71.63	812.14	-290.55	1,205.79	1,140.01	65.78	18.331		
7,150.00	6,927.91	6,957.37	6,847.19	33.32	34.42	74.89	812.75	-290.89	1,181.56	1,115.30	66.26	17.831		
7,200.00	6,944.36	6,972.77	6,862.58	33.77	34.48	78.00	813.25	-291.17	1,157.69	1,090.91	66.78	17.335		
7,250.00	6,957.05	6,984.90	6,874.71	34.27	34.53	80.92	813.65	-291.40	1,134.50	1,067.15	67.35	16.845		
7,300.00	6,965.92	6,993.67	6,883.47	34.80	34.56	83.59	813.95	-291.57	1,112.31	1,044.35	67.96	16.367		
7,350.00	6,970.89	6,999.00	6,888.80	35.37	34.58	85.93	814.14	-291.68	1,091.41	1,022.80	68.61	15.908		
7,396.89	6,972.00	7,000.82	6,890.61	35.93	34.59	87.81	814.20	-291.72	1,073.21	1,003.97	69.24	15.500		
7,400.00	6,971.96	7,000.83	6,890.63	35.97	34.59	87.81	814.20	-291.72	1,072.06	1,002.77	69.28	15.473		
7,500.00	6,970.65	7,001.39	6,891.18	37.28	34.59	87.84	814.22	-291.73	1,039.26	968.50	70.76	14.687		
7,600.00	6,969.33	7,001.95	6,891.75	38.76	34.59	87.87	814.24	-291.74	1,015.29	942.93	72.36	14.030		
7,700.00	6,968.02	7,002.52	6,892.32	40.39	34.59	87.90	814.26	-291.75	1,000.78	926.77	74.01	13.522		
7,796.24	6,966.75	7,003.08	6,892.87	42.08	34.60	87.94	814.28	-291.77	996.14	920.60	75.55	13.186 CC		
7,800.00	6,966.70	7,003.10	6,892.89	42.15	34.60	87.94	814.28	-291.77	996.15	920.55	75.60	13.176 ES		
7,900.00	6,965.39	7,003.68	6,893.48	44.02	34.60	87.97	814.30	-291.78	1,001.53	924.48	77.05	12.999		
8,000.00	6,964.07	7,004.27	6,894.06	45.99	34.60	88.00	814.32	-291.79	1,016.77	938.48	78.29	12.988 SF		
8,100.00	6,962.76	7,004.87	6,894.66	48.05	34.60	88.04	814.34	-291.80	1,041.43	962.14	79.28	13.135		
8,200.00	6,961.45	7,005.48	6,895.27	50.19	34.60	88.07	814.36	-291.82	1,074.86	994.82	80.04	13.430		
8,300.00	6,960.13	7,006.09	6,895.88	52.39	34.61	88.11	814.39	-291.83	1,116.27	1,035.71	80.56	13.856		
8,400.00	6,958.82	7,006.71	6,896.49	54.65	34.61	88.14	814.41	-291.84	1,164.82	1,083.93	80.89	14.400		
8,500.00	6,957.50	7,007.33	6,897.12	56.97	34.61	88.18	814.43	-291.85	1,219.65	1,138.59	81.06	15.045		
8,600.00	6,956.19	7,007.97	6,897.75	59.33	34.61	88.22	814.45	-291.87	1,279.96	1,198.85	81.12	15.779		
8,700.00	6,954.87	7,008.61	6,898.40	61.73	34.62	88.25	814.48	-291.88	1,345.01	1,263.93	81.08	16.589		
8,800.00	6,953.56	7,009.26	6,899.04	64.16	34.62	88.29	814.50	-291.90	1,414.14	1,333.17	80.97	17.464		

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 13N-6B-M
<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 13N-6B-M	<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	6,952.24	7,009.92	6,899.70	66.63	34.62	88.33	814.52	-291.91	1,486.79	1,405.96	80.82	18.395		
9,000.00	6,950.93	7,010.58	6,900.37	69.13	34.62	88.37	814.55	-291.92	1,562.46	1,481.81	80.65	19.374		
9,100.00	6,949.61	7,011.26	6,901.04	71.65	34.63	88.41	814.57	-291.94	1,640.74	1,560.28	80.45	20.394		
9,200.00	6,948.30	7,011.94	6,901.72	74.20	34.63	88.45	814.60	-291.95	1,721.27	1,641.02	80.25	21.449		
9,300.00	6,946.98	7,012.63	6,902.41	76.77	34.63	88.48	814.62	-291.97	1,803.74	1,723.70	80.04	22.534		
9,400.00	6,945.67	7,013.33	6,903.11	79.35	34.63	88.53	814.65	-291.98	1,887.92	1,808.08	79.84	23.646		
9,500.00	6,944.35	7,014.04	6,903.82	81.95	34.64	88.57	814.67	-292.00	1,973.57	1,893.93	79.64	24.781		
9,600.00	6,943.04	7,014.76	6,904.54	84.57	34.64	88.61	814.70	-292.01	2,060.51	1,981.06	79.45	25.935		
9,700.00	6,941.73	7,015.49	6,905.27	87.21	34.64	88.65	814.72	-292.03	2,148.59	2,069.33	79.26	27.107		
9,800.00	6,940.41	7,016.23	6,906.01	89.85	34.64	88.69	814.75	-292.04	2,237.67	2,158.58	79.09	28.294		
9,900.00	6,939.10	7,016.97	6,906.75	92.51	34.65	88.73	814.78	-292.06	2,327.64	2,248.72	78.92	29.493		
10,000.00	6,937.78	7,017.73	6,907.51	95.17	34.65	88.78	814.80	-292.08	2,418.40	2,339.63	78.76	30.705		
10,100.00	6,936.47	7,018.50	6,908.28	97.85	34.65	88.82	814.83	-292.09	2,509.85	2,431.24	78.61	31.927		
10,200.00	6,935.15	7,019.28	6,909.05	100.54	34.66	88.87	814.86	-292.11	2,601.94	2,523.47	78.47	33.157		
10,300.00	6,933.84	7,020.07	6,909.84	103.23	34.66	88.91	814.89	-292.13	2,694.59	2,616.25	78.34	34.395		
10,400.00	6,932.52	7,020.86	6,910.64	105.93	34.66	88.96	814.92	-292.14	2,787.75	2,709.53	78.22	35.641		
10,500.00	6,931.21	7,021.68	6,911.45	108.64	34.67	89.00	814.95	-292.16	2,881.37	2,803.26	78.10	36.892		
10,600.00	6,929.89	7,022.50	6,912.27	111.36	34.67	89.05	814.98	-292.18	2,975.40	2,897.40	78.00	38.148		
10,700.00	6,928.58	7,023.33	6,913.10	114.08	34.67	89.10	815.01	-292.20	3,069.81	2,991.91	77.89	39.410		
10,800.00	6,927.26	7,024.17	6,913.95	116.81	34.67	89.15	815.04	-292.22	3,164.56	3,086.76	77.80	40.675		
10,900.00	6,925.95	7,025.03	6,914.80	119.54	34.68	89.20	815.07	-292.24	3,259.63	3,181.91	77.71	41.944		
11,000.00	6,924.64	7,025.90	6,915.67	122.28	34.68	89.25	815.11	-292.26	3,354.98	3,277.35	77.63	43.215		
11,100.00	6,923.32	7,026.78	6,916.55	125.02	34.68	89.30	815.14	-292.28	3,450.60	3,373.04	77.56	44.490		
11,200.00	6,922.01	7,027.68	6,917.45	127.77	34.69	89.35	815.17	-292.30	3,546.45	3,468.96	77.49	45.766		
11,300.00	6,920.69	7,028.58	6,918.35	130.52	34.69	89.40	815.20	-292.32	3,642.53	3,565.11	77.43	47.045		
11,400.00	6,919.38	7,029.50	6,919.27	133.28	34.69	89.45	815.24	-292.34	3,738.82	3,661.45	77.37	48.325		
11,500.00	6,918.06	7,030.44	6,920.21	136.04	34.70	89.51	815.27	-292.36	3,835.29	3,757.98	77.31	49.606		
11,600.00	6,916.75	7,031.39	6,921.15	138.80	34.70	89.56	815.31	-292.38	3,931.94	3,854.68	77.27	50.889		
11,700.00	6,915.43	7,032.35	6,922.11	141.56	34.70	89.62	815.35	-292.40	4,028.76	3,951.54	77.22	52.172		
11,800.00	6,914.12	7,033.33	6,923.09	144.33	34.71	89.67	815.38	-292.42	4,125.72	4,048.54	77.18	53.455		
11,900.00	6,912.80	7,034.32	6,924.08	147.10	34.71	89.73	815.42	-292.44	4,222.83	4,145.69	77.14	54.739		
12,000.00	6,911.49	7,035.33	6,925.09	149.88	34.72	89.79	815.46	-292.47	4,320.07	4,242.96	77.11	56.023		
12,100.00	6,910.17	7,036.35	6,926.11	152.65	34.72	89.85	815.50	-292.49	4,417.43	4,340.35	77.08	57.307		
12,200.00	6,908.86	7,037.39	6,927.15	155.43	34.72	89.91	815.54	-292.52	4,514.91	4,437.85	77.06	58.590		
12,300.00	6,907.54	7,038.44	6,928.20	158.21	34.73	89.97	815.58	-292.54	4,612.50	4,535.46	77.04	59.874		
12,400.00	6,906.23	7,039.51	6,929.27	160.99	34.73	90.03	815.62	-292.56	4,710.18	4,633.16	77.02	61.156		
12,500.00	6,904.92	7,040.60	6,930.36	163.78	34.74	90.09	815.66	-292.59	4,807.96	4,730.96	77.00	62.438		
12,600.00	6,903.60	7,041.71	6,931.47	166.57	34.74	90.16	815.70	-292.61	4,905.83	4,828.84	76.99	63.719		
12,700.00	6,902.29	7,042.84	6,932.59	169.35	34.74	90.22	815.74	-292.64	5,003.79	4,926.81	76.98	65.000		
12,800.00	6,900.97	7,043.98	6,933.73	172.14	34.75	90.29	815.79	-292.67	5,101.82	5,024.85	76.98	66.279		
12,900.00	6,899.66	7,045.14	6,934.89	174.94	34.75	90.35	815.83	-292.69	5,199.93	5,122.96	76.97	67.557		
13,000.00	6,898.34	7,046.32	6,936.07	177.73	34.76	90.42	815.88	-292.72	5,298.11	5,221.14	76.97	68.833		
13,100.00	6,897.03	7,047.52	6,937.27	180.53	34.76	90.49	815.92	-292.75	5,396.36	5,319.38	76.97	70.108		
13,200.00	6,895.71	7,048.73	6,938.43	183.32	34.76	90.56	815.97	-292.78	5,494.67	5,417.71	76.96	71.399		
13,300.00	6,894.40	7,049.94	6,939.63	186.12	34.76	90.63	816.02	-292.81	5,593.04	5,516.08	76.96	72.673		
13,400.00	6,893.08	7,051.14	6,940.83	188.92	34.76	90.70	816.07	-292.84	5,691.47	5,614.50	76.97	73.946		
13,500.00	6,891.77	7,052.35	6,942.03	191.72	34.76	90.77	816.12	-292.87	5,789.95	5,712.97	76.98	75.216		
13,600.00	6,890.45	7,053.56	6,943.23	194.52	34.76	90.84	816.17	-292.90	5,888.48	5,811.49	76.99	76.486		
13,700.00	6,889.14	7,054.77	6,944.43	197.32	34.76	90.91	816.22	-292.93	5,987.06	5,910.06	77.00	77.753		
13,800.00	6,887.82	7,055.98	6,945.63	200.13	34.76	90.98	816.27	-292.96	6,085.68	6,008.67	77.02	79.019		
13,900.00	6,886.51	7,057.19	6,946.83	202.93	34.76	91.05	816.32	-292.99	6,184.35	6,107.32	77.03	80.282		
14,000.00	6,885.20	7,058.40	6,948.03	205.74	34.76	91.12	816.37	-293.02	6,283.07	6,206.02	77.05	81.544		

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 13N-6B-M
<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 13N-6B-M	<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	6,883.88	7,048.65	6,938.40	208.55	34.77	90.55	815.97	-292.77	6,381.82	6,304.75	77.07	82.804	
14,200.00	6,882.57	7,049.34	6,939.09	211.35	34.77	90.59	816.00	-292.78	6,480.61	6,403.52	77.09	84.061	
14,300.00	6,881.25	7,050.04	6,939.78	214.16	34.77	90.63	816.02	-292.80	6,579.44	6,502.32	77.12	85.317	
14,400.00	6,879.94	7,050.73	6,940.47	216.97	34.77	90.67	816.05	-292.81	6,678.30	6,601.15	77.14	86.570	
14,500.00	6,878.62	7,051.42	6,941.17	219.78	34.78	90.71	816.08	-292.83	6,777.19	6,700.02	77.17	87.821	
14,600.00	6,877.31	7,052.11	6,941.86	222.59	34.78	90.75	816.11	-292.84	6,876.12	6,798.92	77.20	89.070	
14,700.00	6,875.99	7,052.80	6,942.54	225.41	34.78	90.79	816.13	-292.86	6,975.08	6,897.85	77.23	90.316	
14,800.00	6,874.68	7,053.49	6,943.23	228.22	34.78	90.83	816.16	-292.87	7,074.06	6,996.80	77.26	91.560	
14,900.00	6,873.36	7,054.18	6,943.92	231.03	34.79	90.87	816.19	-292.89	7,173.08	7,095.78	77.29	92.802	
15,000.00	6,872.05	7,054.86	6,944.61	233.85	34.79	90.91	816.21	-292.90	7,272.12	7,194.79	77.33	94.041	
15,100.00	6,870.73	7,055.55	6,945.29	236.66	34.79	90.95	816.24	-292.92	7,371.19	7,293.82	77.37	95.277	
15,200.00	6,869.42	7,056.24	6,945.98	239.48	34.79	90.99	816.27	-292.94	7,470.28	7,392.88	77.40	96.511	
15,300.00	6,868.11	7,056.92	6,946.66	242.29	34.80	91.03	816.30	-292.95	7,569.39	7,491.95	77.44	97.743	
15,400.00	6,866.79	7,057.61	6,947.35	245.11	34.80	91.07	816.32	-292.97	7,668.53	7,591.05	77.48	98.972	
15,460.11	6,866.00	7,058.02	6,947.76	246.80	34.80	91.09	816.34	-292.98	7,728.14	7,650.63	77.51	99.709	
15,460.74	6,865.99	7,058.02	6,947.76	246.82	34.80	91.09	816.34	-292.98	7,728.76	7,651.25	77.51	99.717	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-69.86	348.29	-949.80	1,012.44					
100.00	100.00	56.18	56.18	3.28	3.29	-69.86	348.39	-949.85	1,011.73	1,005.16	6.57	153.953 CC		
200.00	200.00	147.48	147.47	3.34	3.34	-69.82	349.32	-950.29	1,012.54	1,005.86	6.68	151.686		
300.00	299.98	244.71	244.68	3.44	3.44	-168.74	351.22	-951.06	1,015.67	1,008.78	6.89	147.506		
400.00	399.84	328.79	328.73	3.60	3.57	-168.66	353.47	-952.22	1,023.03	1,015.85	7.18	142.511		
500.00	499.45	400.90	400.75	3.80	3.71	-168.58	356.21	-954.45	1,035.81	1,028.27	7.54	137.395		
584.50	583.35	461.23	460.90	4.01	3.84	-168.48	359.50	-957.64	1,051.38	1,043.49	7.89	133.181		
600.00	598.71	472.81	472.43	4.05	3.87	-168.48	360.23	-958.36	1,054.64	1,046.67	7.97	132.357		
700.00	697.81	545.98	545.23	4.33	4.06	-168.42	365.44	-963.65	1,076.91	1,068.48	8.43	127.736		
800.00	796.91	616.20	614.90	4.64	4.27	-168.37	370.95	-970.36	1,101.52	1,092.59	8.93	123.405		
900.00	896.01	693.76	691.68	4.98	4.52	-168.33	377.27	-979.37	1,128.12	1,118.66	9.47	119.170		
1,000.00	995.11	771.03	767.98	5.34	4.80	-168.30	383.99	-989.54	1,156.33	1,146.30	10.03	115.258		
1,100.00	1,094.21	859.63	855.30	5.71	5.16	-168.25	392.24	-1,002.01	1,185.57	1,174.92	10.66	111.255		
1,200.00	1,193.31	930.92	925.46	6.10	5.46	-168.24	398.55	-1,012.99	1,215.91	1,204.67	11.24	108.142		
1,300.00	1,292.41	982.00	975.53	6.49	5.69	-168.30	402.23	-1,022.39	1,248.67	1,236.91	11.76	106.169		
1,400.00	1,391.51	1,045.15	1,037.04	6.90	6.00	-168.40	406.85	-1,035.92	1,284.11	1,271.79	12.32	104.200		
1,500.00	1,490.61	1,101.93	1,091.87	7.31	6.30	-168.48	411.87	-1,049.77	1,322.46	1,309.61	12.86	102.854		
1,600.00	1,589.71	1,164.47	1,151.86	7.73	6.66	-168.56	417.92	-1,066.40	1,363.07	1,349.65	13.42	101.594		
1,700.00	1,688.81	1,260.08	1,243.40	8.16	7.24	-168.69	427.12	-1,092.41	1,404.24	1,390.08	14.16	99.195		
1,800.00	1,787.92	1,327.52	1,307.80	8.59	7.68	-168.76	434.06	-1,111.17	1,446.18	1,431.43	14.75	98.017		
1,900.00	1,887.02	1,435.99	1,411.25	9.02	8.40	-168.76	447.78	-1,140.74	1,488.43	1,472.82	15.61	95.364		
2,000.00	1,986.12	1,492.51	1,464.99	9.46	8.80	-168.73	455.82	-1,156.28	1,531.25	1,515.09	16.15	94.787		
2,100.00	2,085.22	1,562.74	1,531.43	9.90	9.31	-168.69	466.20	-1,176.51	1,575.51	1,558.72	16.79	93.843		
2,200.00	2,184.32	1,654.49	1,618.01	10.34	10.00	-168.61	480.47	-1,203.34	1,620.46	1,602.88	17.58	92.188		
2,300.00	2,283.42	1,764.95	1,722.50	10.78	10.84	-168.47	498.88	-1,234.05	1,664.50	1,645.99	18.51	89.913		
2,400.00	2,382.52	1,876.78	1,828.61	11.23	11.68	-168.26	518.76	-1,263.23	1,707.42	1,687.95	19.47	87.697		
2,500.00	2,481.62	1,973.77	1,920.82	11.68	12.41	-168.08	536.12	-1,287.79	1,749.72	1,729.39	20.33	86.068		
2,600.00	2,580.72	2,071.26	2,013.77	12.13	13.14	-167.91	553.05	-1,311.83	1,791.23	1,770.03	21.20	84.495		
2,700.00	2,679.82	2,137.00	2,076.27	12.58	13.64	-167.81	564.59	-1,328.64	1,833.62	1,811.78	21.84	83.974		
2,800.00	2,778.92	2,254.72	2,188.34	13.03	14.53	-167.65	584.62	-1,358.57	1,875.67	1,852.80	22.87	82.013		
2,900.00	2,878.02	2,332.81	2,262.82	13.48	15.12	-167.58	596.83	-1,378.62	1,917.53	1,893.93	23.61	81.233		
3,000.00	2,977.12	2,402.00	2,328.58	13.94	15.66	-167.51	608.23	-1,396.85	1,960.27	1,935.99	24.27	80.765		
3,100.00	3,076.22	2,495.31	2,417.09	14.39	16.40	-167.40	624.36	-1,421.58	2,003.43	1,978.30	25.13	79.710		
3,200.00	3,175.32	2,552.89	2,471.53	14.85	16.87	-167.32	635.05	-1,437.00	2,047.28	2,021.57	25.71	79.628		
3,300.00	3,274.43	2,616.58	2,531.36	15.30	17.40	-167.19	648.26	-1,454.39	2,092.39	2,066.06	26.34	79.450		
3,400.00	3,373.53	2,689.93	2,599.88	15.76	18.02	-167.01	664.89	-1,474.59	2,138.45	2,111.40	27.05	79.065		
3,500.00	3,472.63	3,314.86	3,204.43	16.22	22.02	-165.77	774.43	-1,575.75	2,168.67	2,137.07	31.60	68.635		
3,600.00	3,571.73	3,541.33	3,430.21	16.68	22.92	-165.84	785.32	-1,588.76	2,188.19	2,155.20	32.99	66.329		
3,700.00	3,670.83	3,717.36	3,606.17	17.14	23.46	-166.02	785.73	-1,592.69	2,202.74	2,168.68	34.07	64.658		
3,800.00	3,769.93	3,829.98	3,718.77	17.59	23.78	-166.16	784.34	-1,594.33	2,216.61	2,181.69	34.92	63.478		
3,900.00	3,869.03	3,930.01	3,818.78	18.05	24.06	-166.29	782.87	-1,595.48	2,230.10	2,194.37	35.73	62.411		
4,000.00	3,968.13	4,021.35	3,910.10	18.51	24.32	-166.42	781.14	-1,596.69	2,243.62	2,207.10	36.52	61.433		
4,100.00	4,067.23	4,095.05	3,983.76	18.98	24.54	-166.53	779.59	-1,598.46	2,258.02	2,220.77	37.26	60.608		
4,200.00	4,166.33	4,231.14	4,119.81	19.44	24.97	-166.71	778.02	-1,601.25	2,272.63	2,234.43	38.20	59.488		
4,300.00	4,265.43	4,344.47	4,233.13	19.90	25.31	-166.77	778.87	-1,600.45	2,285.25	2,246.18	39.07	58.498		
4,400.00	4,364.53	4,441.93	4,330.57	20.36	25.62	-166.80	780.32	-1,599.56	2,298.00	2,258.11	39.88	57.618		
4,500.00	4,463.63	4,526.91	4,415.55	20.82	25.89	-166.83	781.68	-1,599.04	2,311.07	2,270.40	40.67	56.828		
4,600.00	4,562.73	4,630.63	4,519.24	21.28	26.23	-166.86	783.61	-1,598.59	2,324.39	2,282.88	41.52	55.985		
4,700.00	4,661.83	4,734.06	4,622.66	21.75	26.57	-166.89	785.33	-1,598.35	2,337.85	2,295.48	42.37	55.179		
4,800.00	4,760.93	4,875.05	4,763.62	22.21	27.00	-166.99	784.64	-1,596.18	2,349.01	2,305.69	43.32	54.230		
4,900.00	4,860.04	4,959.41	4,847.97	22.67	27.25	-167.06	784.04	-1,595.04	2,360.55	2,316.47	44.09	53.544		
5,000.00	4,959.14	5,043.19	4,931.75	23.13	27.51	-167.12	783.85	-1,594.34	2,372.75	2,327.89	44.86	52.896		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	5,129.78	5,018.35	23.60	27.80	-167.18	783.82	-1,594.13	2,385.55	2,339.91	45.65	52.263		
5,200.00	5,157.34	5,212.63	5,101.19	24.06	28.08	-167.24	784.00	-1,594.32	2,398.91	2,352.48	46.43	51.667		
5,300.00	5,256.44	5,306.34	5,194.90	24.52	28.41	-167.30	784.44	-1,595.06	2,412.86	2,365.60	47.26	51.056		
5,400.00	5,355.54	5,390.64	5,279.19	24.99	28.71	-167.36	784.59	-1,595.96	2,426.99	2,378.94	48.05	50.508		
5,500.00	5,454.64	5,469.70	5,358.24	25.45	29.00	-167.42	785.08	-1,597.42	2,441.97	2,393.15	48.82	50.017		
5,600.00	5,553.74	5,562.10	5,450.60	25.92	29.34	-167.47	786.67	-1,599.34	2,457.57	2,407.92	49.65	49.496		
5,700.00	5,652.84	5,749.14	5,637.61	26.38	30.00	-167.56	788.65	-1,600.09	2,471.37	2,420.54	50.84	48.613		
5,800.00	5,751.94	5,837.65	5,726.11	26.84	30.29	-167.62	788.29	-1,599.30	2,483.50	2,431.87	51.63	48.101		
5,900.00	5,851.04	5,921.27	5,809.73	27.31	30.57	-167.68	788.02	-1,599.24	2,496.38	2,443.97	52.41	47.631		
6,000.00	5,950.14	6,010.02	5,898.48	27.77	30.88	-167.74	787.89	-1,599.53	2,509.71	2,456.49	53.22	47.159		
6,100.00	6,049.24	6,093.35	5,981.80	28.24	31.18	-167.80	787.99	-1,600.14	2,523.52	2,469.51	54.01	46.725		
6,200.00	6,148.34	6,170.42	6,058.86	28.70	31.47	-167.85	788.53	-1,601.16	2,538.09	2,483.32	54.77	46.339		
6,304.69	6,252.09	6,251.39	6,139.81	29.19	31.79	-167.89	789.63	-1,602.87	2,554.33	2,498.76	55.57	45.966		
6,350.00	6,297.17	6,291.97	6,180.37	29.39	31.95	-179.83	790.46	-1,603.82	2,560.10	2,504.16	55.94	45.767		
6,400.00	6,347.13	6,400.00	6,262.77	29.59	32.36	-78.35	792.07	-1,605.08	2,562.56	2,505.95	56.61	45.269		
6,450.00	6,397.02	6,475.25	6,363.62	29.78	32.63	-38.34	792.52	-1,605.51	2,560.63	2,503.53	57.10	44.844		
6,500.00	6,446.53	6,521.64	6,410.00	29.96	32.80	-32.01	791.86	-1,605.62	2,554.77	2,497.31	57.46	44.463		
6,550.00	6,495.35	6,561.28	6,449.63	30.14	32.93	-29.86	791.34	-1,605.84	2,545.53	2,487.75	57.78	44.059		
6,600.00	6,543.19	6,636.70	6,525.05	30.33	33.19	-29.23	790.35	-1,606.16	2,532.81	2,474.59	58.22	43.506		
6,650.00	6,589.76	6,710.20	6,598.53	30.52	33.44	-29.37	788.92	-1,605.50	2,515.89	2,457.27	58.63	42.914		
6,700.00	6,634.75	6,763.63	6,651.94	30.71	33.62	-29.96	787.84	-1,604.71	2,495.52	2,436.57	58.95	42.334		
6,750.00	6,677.90	6,798.63	6,686.93	30.91	33.74	-30.90	787.25	-1,604.14	2,472.03	2,412.83	59.20	41.760		
6,800.00	6,718.94	6,832.33	6,720.63	31.13	33.85	-32.22	786.91	-1,603.61	2,445.71	2,386.28	59.43	41.154		
6,850.00	6,757.62	6,863.74	6,752.04	31.36	33.96	-33.94	786.77	-1,603.13	2,416.74	2,357.10	59.64	40.520		
6,900.00	6,793.70	6,892.68	6,780.97	31.61	34.06	-36.10	786.73	-1,602.75	2,385.31	2,325.46	59.84	39.859		
6,950.00	6,826.95	6,919.42	6,807.71	31.88	34.16	-38.74	786.73	-1,602.45	2,351.61	2,291.58	60.03	39.172		
7,000.00	6,857.18	6,943.98	6,832.27	32.19	34.24	-41.94	786.78	-1,602.23	2,315.86	2,255.65	60.21	38.461		
7,050.00	6,884.18	6,968.29	6,856.58	32.52	34.33	-45.83	786.86	-1,602.03	2,278.27	2,217.87	60.40	37.721		
7,100.00	6,907.81	6,989.52	6,877.81	32.90	34.41	-50.45	786.97	-1,601.87	2,239.08	2,178.50	60.58	36.961		
7,150.00	6,927.91	7,007.54	6,895.83	33.32	34.48	-55.86	787.09	-1,601.73	2,198.54	2,137.78	60.76	36.184		
7,200.00	6,944.36	7,022.24	6,910.52	33.77	34.53	-62.06	787.20	-1,601.63	2,156.94	2,095.99	60.94	35.392		
7,250.00	6,957.05	7,033.51	6,921.79	34.27	34.57	-69.00	787.29	-1,601.55	2,114.54	2,053.40	61.14	34.588		
7,300.00	6,965.92	7,041.28	6,929.57	34.80	34.60	-76.49	787.36	-1,601.49	2,071.63	2,010.29	61.34	33.775		
7,350.00	6,970.89	7,045.51	6,933.80	35.37	34.62	-84.23	787.40	-1,601.47	2,028.50	1,966.95	61.55	32.956		
7,396.89	6,972.00	7,046.22	6,934.51	35.93	34.62	-91.41	787.41	-1,601.46	1,988.10	1,926.33	61.77	32.186		
7,400.00	6,971.96	7,046.17	6,934.45	35.97	34.62	-91.40	787.41	-1,601.46	1,985.43	1,923.64	61.78	32.135		
7,500.00	6,970.65	7,044.31	6,932.60	37.28	34.61	-91.30	787.39	-1,601.47	1,900.22	1,837.88	62.35	30.478		
7,600.00	6,969.33	7,042.45	6,930.74	38.76	34.60	-91.19	787.38	-1,601.49	1,816.53	1,753.45	63.08	28.797		
7,700.00	6,968.02	7,040.59	6,928.88	40.39	34.60	-91.09	787.36	-1,601.50	1,734.55	1,670.54	64.02	27.095		
7,800.00	6,966.70	7,038.72	6,927.01	42.15	34.59	-90.98	787.34	-1,601.51	1,654.56	1,589.38	65.19	25.382		
7,900.00	6,965.39	7,036.85	6,925.14	44.02	34.58	-90.88	787.32	-1,601.52	1,576.86	1,510.23	66.62	23.669		
8,000.00	6,964.07	7,034.98	6,923.26	45.99	34.58	-90.77	787.31	-1,601.54	1,501.79	1,433.43	68.36	21.970		
8,100.00	6,962.76	7,033.10	6,921.38	48.05	34.57	-90.67	787.29	-1,601.55	1,429.77	1,359.35	70.42	20.304		
8,200.00	6,961.45	7,031.21	6,919.50	50.19	34.56	-90.56	787.27	-1,601.56	1,361.29	1,288.46	72.83	18.691		
8,300.00	6,960.13	7,029.32	6,917.61	52.39	34.56	-90.45	787.26	-1,601.58	1,296.91	1,221.29	75.61	17.152		
8,400.00	6,958.82	7,027.43	6,915.71	54.65	34.55	-90.35	787.24	-1,601.59	1,237.27	1,158.51	78.76	15.710		
8,500.00	6,957.50	7,025.53	6,913.81	56.97	34.54	-90.24	787.23	-1,601.60	1,183.08	1,100.84	82.24	14.385		
8,600.00	6,956.19	7,023.62	6,911.91	59.33	34.54	-90.13	787.21	-1,601.62	1,135.13	1,049.12	86.01	13.197		
8,700.00	6,954.87	7,021.72	6,910.00	61.73	34.53	-90.03	787.19	-1,601.63	1,094.23	1,004.26	89.98	12.161		
8,800.00	6,953.56	7,019.80	6,908.09	64.16	34.52	-89.92	787.18	-1,601.64	1,061.21	967.20	94.01	11.289		
8,900.00	6,952.24	7,017.89	6,906.17	66.63	34.51	-89.81	787.16	-1,601.66	1,036.81	938.86	97.95	10.585		
9,000.00	6,950.93	7,015.96	6,904.25	69.13	34.51	-89.70	787.15	-1,601.67	1,021.66	920.04	101.62	10.053		

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 13N-6B-M
<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 13N-6B-M	<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 #4-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,949.61	7,014.04	6,902.32	71.65	34.50	89.59	787.13	-1,601.69	1,016.17	911.30	104.86	9.690		
9,106.02	6,949.53	7,013.92	6,902.21	71.81	34.50	89.59	787.13	-1,601.69	1,016.15	911.11	105.04	9.674 ES		
9,200.00	6,948.30	7,012.11	6,900.39	74.20	34.49	89.48	787.12	-1,601.70	1,020.48	912.95	107.53	9.490		
9,300.00	6,946.98	7,010.17	6,898.46	76.77	34.49	89.38	787.11	-1,601.71	1,034.49	924.95	109.54	9.444 SF		
9,400.00	6,945.67	7,008.23	6,896.52	79.35	34.48	89.27	787.09	-1,601.73	1,057.80	946.93	110.88	9.540		
9,500.00	6,944.35	7,006.29	6,894.57	81.95	34.47	89.16	787.08	-1,601.74	1,089.82	978.24	111.58	9.767		
9,600.00	6,943.04	7,004.34	6,892.62	84.57	34.47	89.05	787.07	-1,601.76	1,129.81	1,018.09	111.72	10.112		
9,700.00	6,941.73	7,002.38	6,890.67	87.21	34.46	88.94	787.05	-1,601.77	1,176.96	1,065.54	111.42	10.563		
9,800.00	6,940.41	7,000.42	6,888.71	89.85	34.45	88.83	787.04	-1,601.79	1,230.43	1,119.67	110.77	11.109		
9,900.00	6,939.10	6,998.46	6,886.74	92.51	34.44	88.72	787.03	-1,601.80	1,289.46	1,179.60	109.86	11.737		
10,000.00	6,937.78	6,996.49	6,884.77	95.17	34.44	88.60	787.01	-1,601.81	1,353.30	1,244.51	108.79	12.439		
10,100.00	6,936.47	6,994.51	6,882.80	97.85	34.43	88.49	787.00	-1,601.83	1,421.32	1,313.70	107.62	13.207		
10,200.00	6,935.15	6,992.53	6,880.82	100.54	34.42	88.38	786.99	-1,601.84	1,492.94	1,386.53	106.40	14.031		
10,300.00	6,933.84	6,990.55	6,878.84	103.23	34.41	88.27	786.98	-1,601.86	1,567.66	1,462.49	105.17	14.906		
10,400.00	6,932.52	6,988.56	6,876.85	105.93	34.41	88.16	786.97	-1,601.87	1,645.07	1,541.12	103.96	15.825		
10,500.00	6,931.21	6,986.57	6,874.85	108.64	34.40	88.05	786.96	-1,601.89	1,724.80	1,622.03	102.77	16.783		
10,600.00	6,929.89	6,984.57	6,872.86	111.36	34.39	87.93	786.94	-1,601.91	1,806.55	1,704.92	101.63	17.776		
10,700.00	6,928.58	6,982.57	6,870.85	114.08	34.39	87.82	786.93	-1,601.92	1,890.05	1,789.51	100.54	18.799		
10,800.00	6,927.26	6,980.56	6,868.84	116.81	34.38	87.71	786.92	-1,601.94	1,975.08	1,875.58	99.50	19.850		
10,900.00	6,925.95	6,978.54	6,866.83	119.54	34.37	87.59	786.91	-1,601.95	2,061.46	1,962.94	98.52	20.924		
11,000.00	6,924.64	6,976.52	6,864.81	122.28	34.36	87.48	786.90	-1,601.97	2,149.01	2,051.42	97.59	22.020		
11,100.00	6,923.32	6,974.50	6,862.79	125.02	34.36	87.37	786.89	-1,601.98	2,237.61	2,140.89	96.72	23.135		
11,200.00	6,922.01	6,972.47	6,860.76	127.77	34.35	87.25	786.88	-1,602.00	2,327.13	2,231.23	95.90	24.267		
11,300.00	6,920.69	6,970.44	6,858.73	130.52	34.34	87.14	786.87	-1,602.02	2,417.46	2,322.34	95.12	25.415		
11,400.00	6,919.38	6,968.40	6,856.69	133.28	34.33	87.02	786.86	-1,602.03	2,508.53	2,414.14	94.39	26.575		
11,500.00	6,918.06	6,966.36	6,854.65	136.04	34.33	86.91	786.86	-1,602.05	2,600.26	2,506.55	93.71	27.748		
11,600.00	6,916.75	6,964.31	6,852.60	138.80	34.32	86.79	786.85	-1,602.06	2,692.57	2,599.50	93.07	28.932		
11,700.00	6,915.43	6,962.25	6,850.54	141.56	34.31	86.68	786.84	-1,602.08	2,785.41	2,692.95	92.46	30.125		
11,800.00	6,914.12	6,960.19	6,848.48	144.33	34.30	86.56	786.83	-1,602.10	2,878.73	2,786.84	91.89	31.327		
11,900.00	6,912.80	6,958.13	6,846.42	147.10	34.30	86.45	786.82	-1,602.11	2,972.48	2,881.13	91.36	32.538		
12,000.00	6,911.49	6,956.09	6,844.37	149.88	34.30	86.34	786.83	-1,602.12	3,066.62	2,975.76	90.86	33.752		
12,100.00	6,910.17	6,954.00	6,842.30	152.65	34.29	86.23	786.82	-1,602.13	3,161.13	3,070.75	90.38	34.976		
12,200.00	6,908.86	6,951.91	6,840.24	155.43	34.28	86.12	786.81	-1,602.15	3,255.96	3,166.03	89.93	36.205		
12,300.00	6,907.54	6,949.82	6,838.17	158.21	34.27	86.01	786.80	-1,602.17	3,351.09	3,261.58	89.51	37.439		
12,400.00	6,906.23	6,947.73	6,836.10	160.99	34.26	85.90	786.79	-1,602.19	3,446.50	3,357.39	89.11	38.678		
12,500.00	6,904.92	6,945.64	6,834.04	163.78	34.25	85.80	786.79	-1,602.21	3,542.15	3,453.43	88.73	39.921		
12,600.00	6,903.60	6,943.55	6,832.00	166.57	34.24	85.69	786.78	-1,602.23	3,638.04	3,549.67	88.37	41.167		
12,700.00	6,902.29	6,941.46	6,829.96	169.35	34.23	85.59	786.77	-1,602.25	3,734.15	3,646.11	88.03	42.417		
12,800.00	6,900.97	6,939.37	6,827.91	172.14	34.22	85.48	786.76	-1,602.28	3,830.45	3,742.74	87.71	43.670		
12,900.00	6,899.66	6,937.28	6,825.86	174.94	34.21	85.37	786.76	-1,602.30	3,926.93	3,839.52	87.41	44.925		
13,000.00	6,898.34	6,935.19	6,823.81	177.73	34.20	85.27	786.75	-1,602.33	4,023.59	3,936.47	87.12	46.182		
13,100.00	6,897.03	6,933.10	6,821.76	180.53	34.19	85.16	786.75	-1,602.35	4,120.40	4,033.55	86.85	47.441		
13,200.00	6,895.71	6,931.01	6,819.71	183.32	34.18	85.05	786.74	-1,602.38	4,217.36	4,130.77	86.59	48.702		
13,300.00	6,894.40	6,928.92	6,817.66	186.12	34.17	84.94	786.74	-1,602.41	4,314.46	4,228.11	86.35	49.965		
13,400.00	6,893.08	6,926.83	6,815.61	188.92	34.16	84.83	786.73	-1,602.44	4,411.69	4,325.57	86.12	51.228		
13,500.00	6,891.77	6,924.74	6,813.56	191.72	34.15	84.72	786.73	-1,602.47	4,509.03	4,423.13	85.90	52.492		
13,600.00	6,890.45	6,922.65	6,811.51	194.52	34.14	84.61	786.73	-1,602.50	4,606.49	4,520.80	85.69	53.758		
13,700.00	6,889.14	6,920.56	6,809.46	197.32	34.13	84.50	786.73	-1,602.54	4,704.05	4,618.56	85.49	55.023		
13,800.00	6,887.82	6,918.47	6,807.41	200.13	34.12	84.39	786.72	-1,602.57	4,801.71	4,716.41	85.30	56.290		
13,900.00	6,886.51	6,916.38	6,805.36	202.93	34.11	84.28	786.72	-1,602.61	4,899.47	4,814.34	85.13	57.556		
14,000.00	6,885.20	6,914.29	6,803.31	205.74	34.10	84.17	786.72	-1,602.65	4,997.31	4,912.35	84.96	58.823		
14,100.00	6,883.88	6,897.87	6,786.16	208.55	34.08	83.08	786.72	-1,602.69	5,095.23	5,010.44	84.79	60.089		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	6,894.27	6,782.56	211.35	34.07	82.88	786.73	-1,602.73	5,193.23	5,108.59	84.64	61.356		
14,300.00	6,881.25	6,890.59	6,778.88	214.16	34.06	82.67	786.73	-1,602.78	5,291.31	5,206.81	84.50	62.622		
14,400.00	6,879.94	6,886.83	6,775.12	216.97	34.04	82.46	786.73	-1,602.82	5,389.45	5,305.09	84.36	63.887		
14,500.00	6,878.62	6,882.99	6,771.28	219.78	34.03	82.25	786.74	-1,602.87	5,487.66	5,403.43	84.23	65.153		
14,600.00	6,877.31	6,879.06	6,767.35	222.59	34.02	82.03	786.74	-1,602.92	5,585.93	5,501.82	84.10	66.417		
14,700.00	6,875.99	6,875.04	6,763.33	225.41	34.00	81.81	786.75	-1,602.98	5,684.26	5,600.27	83.99	67.681		
14,800.00	6,874.68	6,870.93	6,759.22	228.22	33.99	81.58	786.76	-1,603.03	5,782.64	5,698.77	83.87	68.944		
14,900.00	6,873.36	6,866.72	6,755.01	231.03	33.97	81.35	786.77	-1,603.09	5,881.08	5,797.31	83.77	70.207		
15,000.00	6,872.05	6,862.41	6,750.71	233.85	33.96	81.12	786.78	-1,603.15	5,979.56	5,895.90	83.67	71.468		
15,100.00	6,870.73	6,858.00	6,746.30	236.66	33.94	80.87	786.79	-1,603.22	6,078.10	5,994.53	83.57	72.728		
15,200.00	6,869.42	6,853.48	6,741.78	239.48	33.93	80.62	786.80	-1,603.29	6,176.68	6,093.19	83.48	73.988		
15,300.00	6,868.11	6,849.88	6,738.17	242.29	33.91	80.43	786.82	-1,603.34	6,275.30	6,191.90	83.40	75.244		
15,400.00	6,866.79	6,847.43	6,735.73	245.11	33.90	80.29	786.83	-1,603.38	6,373.96	6,290.64	83.32	76.496		
15,460.11	6,866.00	6,845.96	6,734.26	246.80	33.90	80.21	786.83	-1,603.40	6,433.29	6,350.01	83.28	77.248		
15,460.74	6,865.99	6,845.95	6,734.25	246.82	33.90	80.21	786.83	-1,603.40	6,433.91	6,350.63	83.28	77.256		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-71.37	317.33	-941.17	993.96					
100.00	100.00	57.10	57.10	3.28	3.29	-71.37	317.35	-941.27	993.34	986.77	6.57	151.146		
200.00	200.00	146.44	146.43	3.34	3.34	-71.38	317.52	-942.19	994.37	987.70	6.68	148.960		
300.00	299.98	249.70	249.69	3.44	3.45	-170.39	317.91	-943.69	997.60	990.71	6.89	144.756		
400.00	399.84	339.95	339.92	3.60	3.59	-170.43	318.03	-945.26	1,004.45	997.25	7.19	139.632		
500.00	499.45	441.45	441.37	3.80	3.79	-170.60	316.74	-947.95	1,015.15	1,007.55	7.60	133.601		
584.50	583.35	530.54	530.35	4.01	4.00	-170.90	313.17	-950.73	1,026.53	1,018.51	8.01	128.143		
600.00	598.71	542.77	542.54	4.05	4.04	-170.96	312.47	-951.17	1,028.83	1,020.75	8.09	127.229		
700.00	697.81	628.55	628.00	4.33	4.27	-171.46	306.23	-955.31	1,044.43	1,035.84	8.59	121.530		
800.00	796.91	714.66	713.58	4.64	4.54	-172.05	298.61	-961.00	1,061.35	1,052.19	9.16	115.897		
900.00	896.01	809.88	808.04	4.98	4.87	-172.75	289.02	-968.19	1,078.99	1,069.19	9.80	110.110		
1,000.00	995.11	903.05	900.37	5.34	5.22	-173.45	279.08	-975.70	1,097.11	1,086.63	10.48	104.704		
1,100.00	1,094.21	991.58	987.91	5.71	5.58	-174.17	268.44	-983.59	1,115.88	1,104.70	11.18	99.829		
1,200.00	1,193.31	1,061.54	1,056.71	6.10	5.89	-174.81	258.56	-991.39	1,136.49	1,124.66	11.83	96.070		
1,300.00	1,292.41	1,138.02	1,131.50	6.49	6.25	-175.59	246.43	-1,001.83	1,159.35	1,146.81	12.54	92.478		
1,400.00	1,391.51	1,223.72	1,214.92	6.90	6.69	-176.49	231.76	-1,014.88	1,183.77	1,170.45	13.31	88.906		
1,500.00	1,490.61	1,306.92	1,295.55	7.31	7.15	-177.41	216.27	-1,028.36	1,209.21	1,195.10	14.10	85.732		
1,600.00	1,589.71	1,386.99	1,372.74	7.73	7.62	-178.32	200.29	-1,042.39	1,236.06	1,221.16	14.90	82.982		
1,700.00	1,688.81	1,476.34	1,458.56	8.16	8.16	-179.34	181.77	-1,058.96	1,264.17	1,248.40	15.77	80.182		
1,800.00	1,787.92	1,572.82	1,550.90	8.59	8.78	-179.53	160.31	-1,076.86	1,292.54	1,275.83	16.71	77.348		
1,900.00	1,887.02	1,682.54	1,655.73	9.02	9.51	-178.26	134.64	-1,096.66	1,320.81	1,303.03	17.77	74.314		
2,000.00	1,986.12	1,774.82	1,743.96	9.46	10.14	-177.23	112.80	-1,112.58	1,348.72	1,330.00	18.72	72.050		
2,100.00	2,085.22	1,837.27	1,803.23	9.90	10.59	-176.50	96.86	-1,124.12	1,378.13	1,358.69	19.45	70.872		
2,200.00	2,184.32	1,908.87	1,870.66	10.34	11.12	-175.65	77.88	-1,138.89	1,409.91	1,389.67	20.24	69.657		
2,300.00	2,283.42	2,003.18	1,959.76	10.78	11.83	-174.63	54.24	-1,158.80	1,442.68	1,421.45	21.23	67.950		
2,400.00	2,382.52	2,098.52	2,050.15	11.23	12.54	-173.67	31.06	-1,178.35	1,475.27	1,453.04	22.23	66.374		
2,500.00	2,481.62	2,194.30	2,141.03	11.68	13.26	-172.76	8.10	-1,198.04	1,508.24	1,485.02	23.23	64.940		
2,600.00	2,580.72	2,301.68	2,243.05	12.13	14.07	-171.79	-17.76	-1,219.35	1,540.87	1,516.54	24.33	63.340		
2,700.00	2,679.82	2,369.65	2,307.74	12.58	14.58	-171.22	-33.60	-1,232.89	1,573.87	1,548.80	25.07	62.780		
2,800.00	2,778.92	2,461.90	2,395.39	13.03	15.28	-170.49	-54.58	-1,252.57	1,608.39	1,582.36	26.03	61.793		
2,900.00	2,878.02	2,565.06	2,493.53	13.48	16.06	-169.69	-78.42	-1,273.59	1,642.25	1,615.16	27.09	60.625		
3,000.00	2,977.12	2,626.95	2,552.32	13.94	16.54	-169.22	-92.87	-1,286.49	1,676.85	1,649.09	27.76	60.396		
3,100.00	3,076.22	2,694.90	2,616.55	14.39	17.08	-168.73	-108.63	-1,302.06	1,713.48	1,684.98	28.49	60.138		
3,200.00	3,175.32	2,873.21	2,785.22	14.85	18.49	-167.42	-152.38	-1,339.71	1,749.20	1,718.92	30.29	57.757		
3,300.00	3,274.43	2,976.71	2,883.92	15.30	19.27	-166.70	-177.46	-1,358.20	1,781.66	1,750.31	31.35	56.825		
3,400.00	3,373.53	3,093.96	2,995.56	15.76	20.16	-165.88	-207.16	-1,378.25	1,813.79	1,781.25	32.55	55.725		
3,500.00	3,472.63	3,182.97	3,080.85	16.22	20.82	-165.33	-228.00	-1,392.86	1,845.22	1,811.75	33.47	55.129		
3,600.00	3,571.73	3,242.63	3,138.21	16.68	21.25	-165.03	-240.48	-1,403.44	1,877.76	1,843.64	34.12	55.037		
3,700.00	3,670.83	3,368.36	3,258.73	17.14	22.17	-164.39	-267.23	-1,427.29	1,911.93	1,876.58	35.36	54.075		
3,800.00	3,769.93	3,547.76	3,431.51	17.59	23.44	-163.41	-308.56	-1,452.01	1,940.56	1,903.51	37.05	52.378		
3,900.00	3,869.03	3,614.48	3,495.65	18.05	23.91	-163.03	-324.83	-1,460.55	1,969.31	1,931.52	37.79	52.115		
4,000.00	3,968.13	3,670.50	3,549.40	18.51	24.32	-162.72	-338.39	-1,468.60	1,999.72	1,961.29	38.43	52.042		
4,100.00	4,067.23	3,733.00	3,608.96	18.98	24.79	-162.36	-354.20	-1,479.02	2,032.35	1,993.24	39.11	51.966		
4,200.00	4,166.33	3,782.82	3,656.13	19.44	25.19	-162.07	-367.44	-1,488.08	2,066.72	2,027.05	39.67	52.097		
4,300.00	4,265.43	3,857.23	3,726.20	19.90	25.80	-161.62	-388.20	-1,502.09	2,102.34	2,061.87	40.47	51.950		
4,400.00	4,364.53	3,947.06	3,810.59	20.36	26.55	-161.08	-413.72	-1,519.32	2,138.59	2,097.16	41.43	51.621		
4,500.00	4,463.63	4,057.80	3,914.76	20.82	27.46	-160.44	-445.05	-1,540.04	2,174.56	2,131.96	42.60	51.048		
4,600.00	4,562.73	4,600.00	4,031.86	21.28	31.57	-159.90	-474.23	-1,562.35	2,209.10	2,162.65	46.45	47.557		
4,700.00	4,661.83	4,242.50	4,091.54	21.75	28.85	-159.72	-485.85	-1,574.22	2,243.86	2,199.39	44.47	50.458		
4,800.00	4,760.93	4,306.36	4,152.87	22.21	29.31	-159.57	-497.15	-1,587.94	2,280.37	2,235.26	45.11	50.552		
4,900.00	4,860.04	4,428.71	4,269.89	22.67	30.23	-159.22	-521.67	-1,613.91	2,317.39	2,271.07	46.32	50.031		
5,000.00	4,959.14	5,000.00	4,502.65	23.13	34.11	-158.52	-569.62	-1,656.21	2,351.66	2,301.25	50.41	46.649		

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 13N-6B-M
<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 13N-6B-M	<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	5,058.24	4,868.18	4,696.98	23.60	33.12	158.16	-599.34	-1,679.51	2,377.68	2,327.44	50.24	47.326		
5,200.00	5,157.34	4,979.90	4,807.12	24.06	33.73	158.02	-613.54	-1,691.71	2,403.38	2,352.14	51.24	46.908		
5,300.00	5,256.44	5,236.11	5,061.14	24.52	34.98	157.83	-639.19	-1,712.37	2,426.32	2,373.29	53.03	45.755		
5,400.00	5,355.54	5,353.56	5,178.16	24.99	35.47	157.81	-647.54	-1,717.91	2,444.88	2,390.90	53.98	45.294		
5,500.00	5,454.64	5,574.82	5,399.06	25.45	36.28	157.83	-658.81	-1,721.83	2,459.72	2,404.42	55.30	44.479		
5,600.00	5,553.74	5,671.80	5,496.00	25.92	36.59	157.89	-661.38	-1,721.71	2,472.60	2,416.48	56.12	44.061		
5,700.00	5,652.84	5,766.48	5,590.64	26.38	36.90	157.94	-664.00	-1,722.05	2,485.98	2,429.05	56.93	43.668		
5,800.00	5,751.94	5,897.03	5,721.18	26.84	37.27	158.09	-663.99	-1,722.35	2,498.58	2,440.77	57.81	43.218		
5,900.00	5,851.04	5,978.75	5,802.88	27.31	37.48	158.23	-662.32	-1,722.82	2,511.11	2,452.58	58.54	42.898		
6,000.00	5,950.14	6,072.83	5,896.94	27.77	37.73	158.39	-660.29	-1,723.77	2,524.09	2,464.79	59.30	42.567		
6,100.00	6,049.24	6,166.47	5,990.54	28.24	37.99	158.54	-658.22	-1,724.82	2,537.17	2,477.11	60.06	42.246		
6,200.00	6,148.34	6,250.75	6,074.79	28.70	38.22	158.69	-656.20	-1,726.26	2,550.80	2,490.00	60.79	41.960		
6,304.69	6,252.09	6,355.37	6,179.36	29.19	38.52	158.86	-653.78	-1,728.31	2,565.36	2,503.74	61.61	41.636		
6,350.00	6,297.17	6,404.59	6,228.55	29.39	38.66	146.95	-652.48	-1,729.22	2,570.02	2,508.04	61.98	41.468		
6,400.00	6,347.13	6,447.73	6,271.67	29.59	38.78	45.58	-651.34	-1,730.05	2,571.51	2,509.18	62.32	41.260		
6,450.00	6,397.02	6,491.21	6,315.13	29.78	38.91	5.41	-650.31	-1,730.96	2,569.26	2,506.61	62.65	41.011		
6,500.00	6,446.53	6,536.30	6,360.20	29.96	39.04	-1.26	-649.37	-1,731.99	2,563.26	2,500.29	62.97	40.708		
6,550.00	6,495.35	6,580.95	6,404.83	30.14	39.18	-3.97	-648.56	-1,733.06	2,553.53	2,490.26	63.27	40.358		
6,600.00	6,543.19	6,627.93	6,451.79	30.33	39.32	-5.55	-647.78	-1,734.21	2,540.09	2,476.51	63.57	39.956		
6,650.00	6,589.76	6,673.92	6,497.75	30.52	39.47	-6.70	-647.05	-1,735.36	2,522.99	2,459.13	63.85	39.511		
6,700.00	6,634.75	6,720.67	6,544.49	30.71	39.61	-7.68	-646.24	-1,736.54	2,502.31	2,438.19	64.13	39.022		
6,750.00	6,677.90	6,765.62	6,589.41	30.91	39.75	-8.61	-645.33	-1,737.68	2,478.17	2,413.79	64.37	38.496		
6,800.00	6,718.94	6,808.00	6,631.76	31.13	39.88	-9.58	-644.30	-1,738.77	2,450.72	2,386.12	64.60	37.938		
6,850.00	6,757.62	6,848.10	6,671.84	31.36	40.00	-10.65	-643.13	-1,739.83	2,420.14	2,355.34	64.80	37.347		
6,900.00	6,793.70	6,883.06	6,706.77	31.61	40.10	-11.88	-642.00	-1,740.79	2,386.63	2,321.66	64.97	36.734		
6,950.00	6,826.95	6,915.13	6,738.80	31.88	40.20	-13.35	-640.94	-1,741.70	2,350.44	2,285.32	65.12	36.094		
7,000.00	6,857.18	6,944.94	6,768.58	32.19	40.29	-15.17	-639.93	-1,742.58	2,311.77	2,246.52	65.25	35.430		
7,050.00	6,884.18	6,979.23	6,802.84	32.52	40.39	-17.56	-638.73	-1,743.56	2,270.82	2,205.44	65.38	34.732		
7,100.00	6,907.81	7,009.23	6,832.81	32.90	40.48	-20.70	-637.63	-1,744.35	2,227.81	2,162.32	65.49	34.017		
7,150.00	6,927.91	7,034.79	6,858.34	33.32	40.56	-24.98	-636.66	-1,744.98	2,183.03	2,117.46	65.58	33.289		
7,200.00	6,944.36	7,051.75	6,875.28	33.77	40.60	-30.87	-636.00	-1,745.38	2,136.82	2,071.19	65.63	32.557		
7,250.00	6,957.05	7,065.69	6,889.21	34.27	40.65	-39.43	-635.46	-1,745.71	2,089.48	2,023.80	65.67	31.816		
7,300.00	6,965.92	7,075.76	6,899.27	34.80	40.68	-52.04	-635.07	-1,745.95	2,041.30	1,975.60	65.70	31.069		
7,350.00	6,970.89	7,081.92	6,905.42	35.37	40.69	-69.83	-634.83	-1,746.10	1,992.59	1,926.87	65.72	30.320		
7,396.89	6,972.00	7,084.09	6,907.59	35.93	40.70	-89.80	-634.75	-1,746.15	1,946.71	1,880.98	65.72	29.619		
7,400.00	6,971.96	7,084.12	6,907.62	35.97	40.70	-89.81	-634.75	-1,746.15	1,943.67	1,877.94	65.73	29.573		
7,500.00	6,970.65	7,085.03	6,908.53	37.28	40.70	-89.94	-634.71	-1,746.17	1,845.92	1,780.17	65.74	28.078		
7,600.00	6,969.33	7,085.94	6,909.44	38.76	40.71	-90.07	-634.68	-1,746.19	1,748.42	1,682.63	65.79	26.577		
7,700.00	6,968.02	7,086.85	6,910.35	40.39	40.71	-90.20	-634.64	-1,746.21	1,651.22	1,585.36	65.87	25.069		
7,800.00	6,966.70	7,087.76	6,911.26	42.15	40.71	-90.33	-634.61	-1,746.23	1,554.38	1,488.39	65.99	23.554		
7,900.00	6,965.39	7,088.67	6,912.17	44.02	40.71	-90.46	-634.57	-1,746.26	1,457.97	1,391.79	66.18	22.031		
8,000.00	6,964.07	7,089.58	6,913.07	45.99	40.72	-90.59	-634.54	-1,746.28	1,362.07	1,295.62	66.45	20.499		
8,100.00	6,962.76	7,090.49	6,913.98	48.05	40.72	-90.72	-634.50	-1,746.30	1,266.80	1,199.97	66.83	18.957		
8,200.00	6,961.45	7,091.39	6,914.88	50.19	40.72	-90.85	-634.47	-1,746.32	1,172.32	1,104.97	67.36	17.405		
8,300.00	6,960.13	7,092.29	6,915.79	52.39	40.72	-90.98	-634.43	-1,746.34	1,078.84	1,010.75	68.09	15.845		
8,400.00	6,958.82	7,093.20	6,916.69	54.65	40.73	-91.11	-634.40	-1,746.36	986.63	917.54	69.10	14.278		
8,500.00	6,957.50	7,094.10	6,917.59	56.97	40.73	-91.24	-634.36	-1,746.38	896.10	825.61	70.49	12.712		
8,600.00	6,956.19	7,095.00	6,918.49	59.33	40.73	-91.37	-634.33	-1,746.40	807.81	735.39	72.41	11.155		
8,700.00	6,954.87	7,095.90	6,919.39	61.73	40.73	-91.50	-634.29	-1,746.43	722.56	647.51	75.05	9.627		
8,800.00	6,953.56	7,096.80	6,920.29	64.16	40.74	-91.63	-634.26	-1,746.45	641.60	562.93	78.66	8.156		
8,900.00	6,952.24	7,097.70	6,921.18	66.63	40.74	-91.76	-634.22	-1,746.47	566.74	483.20	83.54	6.784		
9,000.00	6,950.93	7,098.59	6,922.08	69.13	40.74	-91.88	-634.19	-1,746.49	500.73	410.82	89.91	5.569		

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 13N-6B-M
<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 13N-6B-M	<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	6,949.61	7,099.49	6,922.97	71.65	40.74	-92.01	-634.15	-1,746.51	447.52	349.84	97.68	4.582		
9,200.00	6,948.30	7,100.38	6,923.87	74.20	40.75	-92.14	-634.12	-1,746.53	412.09	306.21	105.87	3.892		
9,300.00	6,946.98	7,101.28	6,924.76	76.77	40.75	-92.27	-634.08	-1,746.55	399.19	286.82	112.37	3.553		
9,302.31	6,946.95	7,101.30	6,924.78	76.83	40.75	-92.27	-634.08	-1,746.55	399.18	286.70	112.48	3.549	CC, ES, SF	
9,400.00	6,945.67	7,102.17	6,925.65	79.35	40.75	-92.40	-634.05	-1,746.57	410.96	295.88	115.09	3.571		
9,500.00	6,944.35	7,103.06	6,926.54	81.95	40.76	-92.53	-634.01	-1,746.59	445.45	331.60	113.85	3.912		
9,600.00	6,943.04	7,103.95	6,927.43	84.57	40.76	-92.65	-633.98	-1,746.61	497.95	387.76	110.20	4.519		
9,700.00	6,941.73	7,104.84	6,928.32	87.21	40.76	-92.78	-633.95	-1,746.64	563.46	457.73	105.73	5.329		
9,800.00	6,940.41	7,105.73	6,929.20	89.85	40.76	-92.91	-633.91	-1,746.66	637.98	536.59	101.39	6.292		
9,900.00	6,939.10	7,106.61	6,930.09	92.51	40.77	-93.03	-633.88	-1,746.68	718.71	621.17	97.54	7.368		
10,000.00	6,937.78	7,107.50	6,930.97	95.17	40.77	-93.16	-633.84	-1,746.70	803.79	709.52	94.27	8.527		
10,100.00	6,936.47	7,108.38	6,931.86	97.85	40.77	-93.29	-633.81	-1,746.72	891.97	800.45	91.52	9.746		
10,200.00	6,935.15	7,109.27	6,932.74	100.54	40.77	-93.42	-633.77	-1,746.74	982.41	893.19	89.22	11.011		
10,300.00	6,933.84	7,110.15	6,933.62	103.23	40.78	-93.54	-633.74	-1,746.76	1,074.55	987.26	87.29	12.310		
10,400.00	6,932.52	7,111.03	6,934.50	105.93	40.78	-93.67	-633.70	-1,746.78	1,167.98	1,082.32	85.66	13.635		
10,500.00	6,931.21	7,111.91	6,935.38	108.64	40.78	-93.80	-633.67	-1,746.80	1,262.42	1,178.13	84.28	14.978		
10,600.00	6,929.89	7,112.79	6,936.26	111.36	40.78	-93.92	-633.64	-1,746.82	1,357.65	1,274.54	83.11	16.336		
10,700.00	6,928.58	7,113.67	6,937.14	114.08	40.79	-94.05	-633.60	-1,746.84	1,453.52	1,371.42	82.10	17.705		
10,800.00	6,927.26	7,114.54	6,938.01	116.81	40.79	-94.17	-633.57	-1,746.86	1,549.92	1,468.69	81.22	19.082		
10,900.00	6,925.95	7,115.42	6,938.89	119.54	40.79	-94.30	-633.53	-1,746.88	1,646.74	1,566.28	80.46	20.465		
11,000.00	6,924.64	7,116.30	6,939.76	122.28	40.79	-94.42	-633.50	-1,746.90	1,743.92	1,664.12	79.80	21.854		
11,100.00	6,923.32	7,117.17	6,940.63	125.02	40.80	-94.55	-633.47	-1,746.92	1,841.41	1,762.19	79.22	23.245		
11,200.00	6,922.01	7,118.04	6,941.51	127.77	40.80	-94.67	-633.43	-1,746.94	1,939.15	1,860.44	78.70	24.639		
11,300.00	6,920.69	7,118.91	6,942.38	130.52	40.80	-94.80	-633.40	-1,746.96	2,037.10	1,958.86	78.25	26.034		
11,400.00	6,919.38	7,119.78	6,943.25	133.28	40.80	-94.92	-633.36	-1,746.99	2,135.25	2,057.41	77.84	27.430		
11,500.00	6,918.06	7,120.65	6,944.12	136.04	40.81	-95.05	-633.33	-1,747.01	2,233.56	2,156.08	77.48	28.827		
11,600.00	6,916.75	7,121.51	6,945.07	138.80	40.81	-95.19	-633.29	-1,747.03	2,332.02	2,254.86	77.16	30.223		
11,700.00	6,915.43	7,122.38	6,946.10	141.56	40.81	-95.33	-633.25	-1,747.05	2,430.60	2,353.73	76.87	31.619		
11,800.00	6,914.12	7,123.25	6,947.14	144.33	40.82	-95.48	-633.21	-1,747.08	2,529.29	2,452.68	76.61	33.014		
11,900.00	6,912.80	7,124.12	6,948.20	147.10	40.82	-95.63	-633.17	-1,747.10	2,628.08	2,551.70	76.38	34.408		
12,000.00	6,911.49	7,125.00	6,949.27	149.88	40.82	-95.79	-633.13	-1,747.13	2,726.96	2,650.79	76.17	35.800		
12,100.00	6,910.17	7,125.87	6,950.36	152.65	40.83	-95.94	-633.09	-1,747.15	2,825.91	2,749.93	75.98	37.192		
12,200.00	6,908.86	7,126.74	6,951.46	155.43	40.83	-96.10	-633.04	-1,747.18	2,924.94	2,849.13	75.81	38.581		
12,300.00	6,907.54	7,127.61	6,952.57	158.21	40.83	-96.26	-633.00	-1,747.21	3,024.03	2,948.37	75.66	39.968		
12,400.00	6,906.23	7,130.25	6,953.70	160.99	40.84	-96.42	-632.96	-1,747.23	3,123.18	3,047.66	75.52	41.354		
12,500.00	6,904.92	7,131.40	6,954.85	163.78	40.84	-96.58	-632.91	-1,747.26	3,222.38	3,146.98	75.40	42.737		
12,600.00	6,903.60	7,132.57	6,956.01	166.57	40.84	-96.75	-632.87	-1,747.29	3,321.63	3,246.34	75.29	44.118		
12,700.00	6,902.29	7,133.75	6,957.19	169.35	40.85	-96.92	-632.82	-1,747.32	3,420.92	3,345.73	75.19	45.497		
12,800.00	6,900.97	7,134.95	6,958.39	172.14	40.85	-97.09	-632.77	-1,747.35	3,520.25	3,445.15	75.10	46.873		
12,900.00	6,899.66	7,136.16	6,959.61	174.94	40.85	-97.26	-632.73	-1,747.37	3,619.62	3,544.60	75.02	48.247		
13,000.00	6,898.34	7,137.40	6,960.84	177.73	40.86	-97.44	-632.68	-1,747.40	3,719.02	3,644.07	74.95	49.618		
13,100.00	6,897.03	7,138.65	6,962.09	180.53	40.86	-97.62	-632.63	-1,747.43	3,818.46	3,743.56	74.89	50.986		
13,200.00	6,895.71	7,139.92	6,963.36	183.32	40.86	-97.80	-632.58	-1,747.47	3,917.92	3,843.08	74.84	52.351		
13,300.00	6,894.40	7,141.21	6,964.65	186.12	40.87	-97.98	-632.53	-1,747.50	4,017.40	3,942.61	74.79	53.714		
13,400.00	6,893.08	7,142.52	6,965.96	188.92	40.87	-98.17	-632.48	-1,747.53	4,116.92	4,042.16	74.75	55.074		
13,500.00	6,891.77	7,143.85	6,967.28	191.72	40.88	-98.36	-632.43	-1,747.56	4,216.45	4,141.73	74.72	56.430		
13,600.00	6,890.45	7,145.20	6,968.63	194.52	40.88	-98.55	-632.37	-1,747.60	4,316.01	4,241.32	74.69	57.784		
13,700.00	6,889.14	7,146.57	6,970.00	197.32	40.88	-98.74	-632.32	-1,747.63	4,415.58	4,340.91	74.67	59.135		
13,800.00	6,887.82	7,147.96	6,971.39	200.13	40.89	-98.94	-632.27	-1,747.66	4,515.18	4,440.52	74.65	60.482		
13,900.00	6,886.51	7,149.37	6,972.81	202.93	40.89	-99.14	-632.21	-1,747.70	4,614.79	4,540.15	74.64	61.826		
14,000.00	6,885.20	7,150.81	6,974.24	205.74	40.90	-99.34	-632.15	-1,747.74	4,714.42	4,639.78	74.63	63.167		
14,100.00	6,883.88	7,152.27	6,975.70	208.55	40.90	-99.55	-632.10	-1,747.77	4,814.06	4,739.43	74.63	64.505		

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 13N-6B-M
<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 13N-6B-M	<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	6,882.57	7,153.75	6,977.18	211.35	40.91	-99.76	-632.04	-1,747.81	4,913.72	4,839.08	74.63	65.839		
14,300.00	6,881.25	7,155.26	6,978.68	214.16	40.91	-99.97	-631.98	-1,747.85	5,013.39	4,938.75	74.64	67.170		
14,400.00	6,879.94	7,156.79	6,980.21	216.97	40.91	-100.19	-631.92	-1,747.89	5,113.07	5,038.42	74.65	68.498		
14,500.00	6,878.62	7,158.35	6,981.77	219.78	40.92	-100.41	-631.86	-1,747.93	5,212.76	5,138.11	74.66	69.822		
14,600.00	6,877.31	7,159.93	6,983.35	222.59	40.92	-100.63	-631.80	-1,747.97	5,312.47	5,237.80	74.67	71.142		
14,700.00	6,875.99	7,161.54	6,984.96	225.41	40.93	-100.85	-631.73	-1,748.01	5,412.19	5,337.49	74.69	72.459		
14,800.00	6,874.68	7,163.17	6,986.59	228.22	40.93	-101.08	-631.67	-1,748.05	5,511.91	5,437.20	74.72	73.772		
14,900.00	6,873.36	7,164.84	6,988.25	231.03	40.94	-101.32	-631.60	-1,748.09	5,611.65	5,536.91	74.74	75.082		
15,000.00	6,872.05	7,166.53	6,989.94	233.85	40.94	-101.55	-631.54	-1,748.14	5,711.39	5,636.63	74.77	76.388		
15,100.00	6,870.73	7,168.25	6,991.66	236.66	40.95	-101.79	-631.47	-1,748.18	5,811.15	5,736.35	74.80	77.690		
15,200.00	6,869.42	7,170.00	6,993.41	239.48	40.95	-102.04	-631.40	-1,748.23	5,910.91	5,836.08	74.83	78.989		
15,300.00	6,868.11	7,171.79	6,995.19	242.29	40.96	-102.29	-631.33	-1,748.27	6,010.68	5,935.81	74.87	80.284		
15,400.00	6,866.79	7,173.60	6,997.01	245.11	40.96	-102.54	-631.26	-1,748.32	6,110.45	6,035.55	74.91	81.575		
15,460.11	6,866.00	7,174.71	6,998.11	246.80	40.97	-102.69	-631.22	-1,748.35	6,170.43	6,095.50	74.93	82.349		
15,460.74	6,865.99	7,174.72	6,998.12	246.82	40.97	-102.69	-631.22	-1,748.35	6,171.06	6,096.13	74.93	82.357		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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	-74.41	256.85	-920.85	956.72					
100.00	100.00	60.64	60.64	3.28	3.29	-74.41	256.89	-920.90	956.06	949.49	6.57	145.456		
200.00	200.00	155.62	155.61	3.34	3.34	-74.40	257.24	-921.31	956.57	949.89	6.68	143.179		
300.00	299.98	268.06	268.05	3.44	3.47	-173.45	256.58	-921.72	958.52	951.61	6.91	138.715		
400.00	399.84	400.00	414.37	3.60	3.69	-173.92	248.48	-919.01	960.34	953.03	7.31	131.423		
500.00	499.45	586.21	583.64	3.80	4.18	-175.17	225.02	-905.71	956.59	948.54	8.05	118.805		
556.71	555.79	640.59	637.17	3.94	4.36	-175.61	216.74	-900.77	955.95	947.61	8.34	114.578		
584.50	583.35	667.50	663.66	4.01	4.46	-175.83	212.72	-898.34	956.10	947.61	8.50	112.526		
600.00	598.71	682.51	678.44	4.05	4.51	-175.95	210.49	-896.99	956.28	947.69	8.58	111.391		
700.00	697.81	777.98	772.51	4.33	4.88	-176.70	196.57	-888.54	957.71	948.52	9.19	104.264		
800.00	796.91	879.54	872.55	4.64	5.31	-177.51	181.45	-879.68	959.38	949.50	9.88	97.134		
900.00	896.01	1,010.36	1,000.52	4.98	5.94	-178.81	157.58	-867.05	959.71	948.91	10.79	88.915		
1,000.00	995.11	1,146.03	1,131.55	5.34	6.70	179.55	126.95	-849.89	956.54	944.70	11.83	80.825		
1,100.00	1,094.21	1,257.11	1,237.63	5.71	7.40	178.00	98.38	-833.47	951.20	938.38	12.82	74.197		
1,200.00	1,193.31	1,362.69	1,337.89	6.10	8.13	176.42	69.70	-816.89	945.34	931.50	13.84	68.293		
1,300.00	1,292.41	1,462.50	1,432.56	6.49	8.83	174.92	42.64	-800.60	939.53	924.66	14.87	63.184		
1,400.00	1,391.51	1,563.77	1,528.79	6.90	9.56	173.43	16.01	-783.72	934.10	918.16	15.94	58.612		
1,500.00	1,490.61	1,658.47	1,618.69	7.31	10.26	172.01	-9.04	-767.58	928.92	911.93	16.99	54.662		
1,600.00	1,589.71	1,759.43	1,714.70	7.73	11.00	170.51	-35.26	-750.63	924.65	906.53	18.11	51.043		
1,700.00	1,688.81	1,853.86	1,804.60	8.16	11.70	169.14	-59.16	-734.41	920.61	901.40	19.21	47.928		
1,800.00	1,787.92	1,950.74	1,897.26	8.59	12.41	167.81	-82.26	-718.07	917.45	897.13	20.32	45.156		
1,900.00	1,887.02	2,032.83	1,975.72	9.02	13.01	166.65	-102.43	-704.85	915.61	894.25	21.36	42.871		
1,930.48	1,917.23	2,057.48	1,999.23	9.15	13.19	166.28	-108.83	-701.15	915.50	893.82	21.68	42.235		
2,000.00	1,986.12	2,113.49	2,052.73	9.46	13.60	165.43	-123.43	-693.23	916.07	893.67	22.41	40.883		
2,100.00	2,085.22	2,209.31	2,144.38	9.90	14.31	164.01	-148.31	-680.55	918.30	894.73	23.57	38.958		
2,200.00	2,184.32	2,326.64	2,256.65	10.34	15.17	162.30	-178.00	-663.76	920.06	895.16	24.90	36.957		
2,300.00	2,283.42	2,419.25	2,345.24	10.78	15.86	160.98	-201.12	-649.87	921.65	895.60	26.05	35.378		
2,400.00	2,382.52	2,514.71	2,436.52	11.23	16.57	159.60	-225.22	-635.72	924.04	896.80	27.24	33.926		
2,500.00	2,481.62	2,607.89	2,525.69	11.68	17.27	158.28	-248.52	-621.98	927.04	898.63	28.41	32.627		
2,600.00	2,580.72	2,697.58	2,611.06	12.13	17.96	156.91	-272.91	-609.34	931.68	902.09	29.59	31.487		
2,700.00	2,679.82	2,803.43	2,711.33	12.58	18.80	155.22	-303.07	-593.82	936.67	905.85	30.93	30.290		
2,800.00	2,778.92	2,901.07	2,804.22	13.03	19.56	153.76	-329.26	-579.07	941.73	909.55	32.17	29.272		
2,900.00	2,878.02	2,984.71	2,884.30	13.48	20.19	152.61	-350.41	-567.44	947.98	914.70	33.28	28.484		
3,000.00	2,977.12	3,078.18	2,973.29	13.94	20.91	151.24	-376.18	-555.05	956.07	921.58	34.48	27.725		
3,100.00	3,076.22	3,186.21	3,076.53	14.39	21.72	149.76	-404.49	-540.57	964.17	928.37	35.80	26.933		
3,200.00	3,175.32	3,500.71	3,255.73	14.85	24.24	141.38	-537.83	-459.98	966.44	927.67	38.78	24.923		
3,216.82	3,192.00	3,501.85	3,255.92	14.92	24.25	141.31	-538.80	-459.40	966.30	927.39	38.91	24.833		
3,300.00	3,274.43	3,515.54	3,260.75	15.30	24.37	140.58	-549.70	-452.82	969.71	930.22	39.50	24.553		
3,400.00	3,373.53	3,607.49	3,344.47	15.76	25.03	139.19	-576.08	-436.57	979.35	938.75	40.59	24.125		
3,500.00	3,472.63	3,717.83	3,452.42	16.22	25.71	138.41	-594.65	-423.24	988.09	946.36	41.73	23.676		
3,600.00	3,571.73	3,806.43	3,538.60	16.68	26.29	137.68	-611.37	-411.30	996.94	954.19	42.75	23.321		
3,700.00	3,670.83	3,911.94	3,641.19	17.14	26.98	136.80	-631.68	-397.31	1,006.38	962.49	43.89	22.928		
3,800.00	3,769.93	4,011.93	3,738.69	17.59	27.62	136.06	-649.51	-384.14	1,015.29	970.32	44.97	22.577		
3,900.00	3,869.03	4,092.98	3,818.27	18.05	28.09	135.62	-662.28	-375.69	1,025.38	979.51	45.87	22.355		
4,000.00	3,968.13	4,186.58	3,910.78	18.51	28.58	135.32	-674.71	-368.80	1,036.61	989.82	46.79	22.154		
4,100.00	4,067.23	4,287.66	4,011.06	18.98	29.07	135.15	-686.18	-363.34	1,048.34	1,000.62	47.73	21.965		
4,200.00	4,166.33	4,401.73	4,124.53	19.44	29.56	135.11	-696.06	-357.27	1,058.53	1,009.82	48.70	21.734		
4,300.00	4,265.43	4,500.56	4,223.14	19.90	29.95	135.26	-701.64	-353.98	1,068.63	1,019.08	49.55	21.568		
4,400.00	4,364.53	4,600.08	4,322.57	20.36	30.30	135.53	-705.48	-351.79	1,078.63	1,028.28	50.36	21.419		
4,500.00	4,463.63	4,706.59	4,429.06	20.82	30.62	135.98	-706.78	-351.12	1,088.46	1,037.31	51.15	21.280		
4,600.00	4,562.73	4,799.16	4,521.63	21.28	30.85	136.46	-706.34	-351.49	1,098.21	1,046.38	51.83	21.187		
4,700.00	4,661.83	4,894.18	4,616.64	21.75	31.09	136.97	-705.85	-352.47	1,108.57	1,056.04	52.52	21.107		

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 13N-6B-M
<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 13N-6B-M	<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		
4,800.00	4,760.93	4,993.78	4,716.23	22.21	31.33	137.51	-704.94	-353.93	1,119.15	1,065.92	53.23	21.026		
4,900.00	4,860.04	5,092.33	4,814.75	22.67	31.58	138.07	-703.64	-355.53	1,129.75	1,075.83	53.92	20.951		
5,000.00	4,959.14	5,187.67	4,910.04	23.13	31.81	138.64	-701.81	-357.77	1,140.73	1,086.13	54.60	20.892		
5,100.00	5,058.24	5,283.79	5,006.12	23.60	32.05	139.20	-699.95	-360.18	1,151.98	1,096.69	55.29	20.837		
5,200.00	5,157.34	5,377.50	5,099.81	24.06	32.29	139.68	-699.47	-362.18	1,163.74	1,107.77	55.97	20.792		
5,300.00	5,256.44	5,482.09	5,204.37	24.52	32.58	140.19	-699.34	-364.33	1,175.73	1,119.01	56.72	20.729		
5,400.00	5,355.54	5,595.58	5,317.83	24.99	32.88	140.78	-697.52	-366.28	1,186.77	1,129.26	57.50	20.639		
5,500.00	5,454.64	5,706.12	5,428.33	25.45	33.17	141.37	-694.79	-367.13	1,196.64	1,138.38	58.26	20.538		
5,600.00	5,553.74	5,794.98	5,517.16	25.92	33.41	141.84	-692.40	-367.98	1,206.69	1,147.76	58.93	20.477		
5,700.00	5,652.84	5,884.49	5,606.65	26.38	33.66	142.28	-690.91	-369.26	1,217.73	1,158.12	59.60	20.430		
5,800.00	5,751.94	5,992.78	5,714.93	26.84	34.01	142.68	-691.44	-369.48	1,228.79	1,168.37	60.42	20.336		
5,900.00	5,851.04	6,096.50	5,818.60	27.31	34.38	142.93	-693.86	-367.80	1,239.14	1,177.88	61.26	20.228		
6,000.00	5,950.14	6,193.41	5,915.50	27.77	34.72	143.22	-695.12	-366.86	1,249.62	1,187.58	62.04	20.141		
6,100.00	6,049.24	6,293.44	6,015.53	28.24	35.06	143.58	-695.20	-366.60	1,260.20	1,197.38	62.82	20.059		
6,200.00	6,148.34	6,384.36	6,106.45	28.70	35.35	143.92	-695.02	-366.66	1,271.01	1,207.47	63.54	20.003		
6,304.69	6,252.09	6,484.21	6,206.28	29.19	35.64	144.35	-693.64	-368.01	1,283.01	1,218.72	64.29	19.957		
6,350.00	6,297.17	6,526.45	6,248.49	29.39	35.76	132.61	-692.55	-368.92	1,286.85	1,222.25	64.59	19.922		
6,400.00	6,347.13	6,572.92	6,294.93	29.59	35.89	31.35	-691.13	-370.15	1,287.81	1,222.90	64.91	19.839		
6,450.00	6,397.02	6,620.26	6,342.21	29.78	36.02	-8.83	-689.47	-371.64	1,285.31	1,220.10	65.21	19.710		
6,500.00	6,446.53	6,667.54	6,389.43	29.96	36.15	-15.61	-687.63	-373.31	1,279.33	1,213.83	65.50	19.531		
6,550.00	6,495.35	6,738.91	6,460.71	30.14	36.35	-18.61	-684.67	-375.35	1,269.47	1,203.54	65.93	19.256		
6,600.00	6,543.19	6,792.51	6,514.26	30.33	36.50	-20.66	-682.56	-376.01	1,255.46	1,189.21	66.25	18.950		
6,650.00	6,589.76	6,836.69	6,558.42	30.52	36.63	-22.44	-681.36	-376.32	1,238.13	1,171.60	66.53	18.611		
6,700.00	6,634.75	6,874.21	6,595.93	30.71	36.75	-24.21	-680.77	-376.52	1,217.73	1,150.96	66.77	18.237		
6,750.00	6,677.90	6,907.88	6,629.61	30.91	36.85	-26.08	-680.55	-376.83	1,194.59	1,127.59	67.00	17.831		
6,800.00	6,718.94	6,941.00	6,662.72	31.13	36.96	-28.20	-680.62	-377.29	1,168.87	1,101.66	67.22	17.390		
6,850.00	6,757.62	6,974.27	6,695.99	31.36	37.07	-30.66	-680.79	-377.94	1,140.68	1,073.24	67.44	16.914		
6,900.00	6,793.70	7,006.62	6,728.32	31.61	37.17	-33.54	-680.86	-378.77	1,110.15	1,042.48	67.66	16.407		
6,950.00	6,826.95	7,037.73	6,759.42	31.88	37.27	-36.92	-680.83	-379.76	1,077.48	1,009.59	67.89	15.871		
7,000.00	6,857.18	7,068.62	6,790.28	32.19	37.36	-40.97	-680.65	-380.88	1,042.86	974.73	68.13	15.308		
7,050.00	6,884.18	7,096.72	6,818.37	32.52	37.45	-45.68	-680.33	-382.02	1,006.55	938.18	68.37	14.723		
7,100.00	6,907.81	7,121.86	6,843.48	32.90	37.52	-51.11	-679.92	-383.13	968.85	900.24	68.62	14.120		
7,150.00	6,927.91	7,142.63	6,864.22	33.32	37.58	-57.12	-679.43	-384.16	930.14	861.27	68.86	13.507		
7,200.00	6,944.36	7,160.70	6,882.25	33.77	37.63	-63.68	-678.88	-385.17	890.76	821.63	69.14	12.884		
7,250.00	6,957.05	7,175.71	6,897.22	34.27	37.67	-70.56	-678.33	-386.09	851.11	781.67	69.44	12.257		
7,300.00	6,965.92	7,187.45	6,908.92	34.80	37.71	-77.41	-677.85	-386.87	811.60	741.83	69.77	11.632		
7,350.00	6,970.89	7,195.71	6,917.15	35.37	37.73	-83.86	-677.47	-387.44	772.68	702.53	70.15	11.015		
7,396.89	6,972.00	7,200.10	6,921.53	35.93	37.74	-89.27	-677.26	-387.75	737.13	666.59	70.53	10.451		
7,400.00	6,971.96	7,200.28	6,921.71	35.97	37.74	-89.29	-677.25	-387.77	734.82	664.26	70.56	10.414		
7,500.00	6,970.65	7,206.29	6,927.69	37.28	37.76	-89.99	-676.95	-388.21	663.84	592.27	71.57	9.275		
7,600.00	6,969.33	7,212.71	6,934.08	38.76	37.78	-90.74	-676.62	-388.69	601.12	528.29	72.83	8.253		
7,700.00	6,968.02	7,219.58	6,940.92	40.39	37.80	-91.54	-676.25	-389.22	549.47	475.21	74.26	7.399		
7,800.00	6,966.70	7,224.74	6,946.07	42.15	37.81	-92.14	-676.01	-389.55	512.29	436.66	75.63	6.773		
7,900.00	6,965.39	7,230.36	6,951.66	44.02	37.83	-92.79	-675.72	-389.94	492.84	416.21	76.63	6.431		
7,948.04	6,964.76	7,232.96	6,954.26	44.97	37.83	-93.10	-675.58	-390.12	490.50	413.58	76.92	6.377 CC, ES, SF		
8,000.00	6,964.07	7,235.72	6,957.01	45.99	37.84	-93.42	-675.44	-390.31	493.24	416.19	77.05	6.401		
8,100.00	6,962.76	7,240.86	6,962.13	48.05	37.85	-94.02	-675.18	-390.66	513.44	436.51	76.93	6.674		
8,200.00	6,961.45	7,245.77	6,967.02	50.19	37.87	-94.59	-674.92	-390.99	551.28	474.80	76.48	7.208		
8,300.00	6,960.13	7,250.48	6,971.72	52.39	37.88	-95.14	-674.68	-391.30	603.44	527.55	75.89	7.952		
8,400.00	6,958.82	7,255.00	6,976.22	54.65	37.89	-95.67	-674.45	-391.59	666.58	591.30	75.28	8.855		
8,500.00	6,957.50	7,259.33	6,980.54	56.97	37.90	-96.17	-674.22	-391.86	737.88	663.18	74.70	9.878		
8,600.00	6,956.19	7,263.50	6,984.69	59.33	37.92	-96.66	-674.01	-392.12	815.21	741.03	74.19	10.989		

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 13N-6B-M
<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 13N-6B-M	<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		
8,700.00	6,954.87	7,267.50	6,988.69	61.73	37.93	-97.12	-673.80	-392.37	897.02	823.28	73.73	12.166		
8,800.00	6,953.56	7,271.36	6,992.53	64.16	37.94	-97.57	-673.60	-392.61	982.17	908.83	73.34	13.391		
8,900.00	6,952.24	7,275.07	6,996.23	66.63	37.95	-98.00	-673.41	-392.83	1,069.89	996.88	73.01	14.654		
9,000.00	6,950.93	7,278.64	6,999.79	69.13	37.96	-98.41	-673.23	-393.04	1,159.58	1,086.85	72.73	15.945		
9,100.00	6,949.61	7,282.09	7,003.23	71.65	37.97	-98.81	-673.05	-393.24	1,250.82	1,178.34	72.48	17.257		
9,200.00	6,948.30	7,285.42	7,006.54	74.20	37.98	-99.19	-672.88	-393.43	1,343.30	1,271.03	72.27	18.586		
9,300.00	6,946.98	7,288.63	7,009.75	76.77	37.98	-99.57	-672.71	-393.61	1,436.78	1,364.68	72.10	19.929		
9,400.00	6,945.67	7,291.73	7,012.84	79.35	37.99	-99.92	-672.55	-393.79	1,531.07	1,459.13	71.94	21.282		
9,500.00	6,944.35	7,297.00	7,018.09	81.95	38.01	-100.53	-672.28	-394.08	1,626.04	1,554.24	71.80	22.646		
9,600.00	6,943.04	7,298.00	7,019.09	84.57	38.01	-100.64	-672.23	-394.13	1,721.57	1,649.87	71.70	24.011		
9,700.00	6,941.73	7,302.58	7,023.66	87.21	38.02	-101.17	-671.99	-394.38	1,817.57	1,745.98	71.60	25.386		
9,800.00	6,940.41	7,307.21	7,028.28	89.85	38.03	-101.70	-671.75	-394.64	1,913.98	1,842.47	71.51	26.766		
9,900.00	6,939.10	7,311.90	7,032.95	92.51	38.05	-102.23	-671.50	-394.89	2,010.72	1,939.29	71.43	28.148		
10,000.00	6,937.78	7,316.63	7,037.67	95.17	38.06	-102.77	-671.25	-395.16	2,107.76	2,036.39	71.37	29.533		
10,100.00	6,936.47	7,321.43	7,042.45	97.85	38.07	-103.31	-670.99	-395.42	2,205.06	2,133.74	71.32	30.920		
10,200.00	6,935.15	7,326.28	7,047.28	100.54	38.09	-103.86	-670.73	-395.69	2,302.57	2,231.30	71.27	32.308		
10,300.00	6,933.84	7,331.18	7,052.17	103.23	38.10	-104.41	-670.46	-395.97	2,400.29	2,329.06	71.23	33.696		
10,400.00	6,932.52	7,336.15	7,057.12	105.93	38.11	-104.97	-670.19	-396.25	2,498.18	2,426.97	71.20	35.086		
10,500.00	6,931.21	7,341.17	7,062.13	108.64	38.13	-105.53	-669.91	-396.53	2,596.22	2,525.04	71.18	36.475		
10,600.00	6,929.89	7,346.25	7,067.20	111.36	38.14	-106.09	-669.62	-396.82	2,694.39	2,623.23	71.16	37.864		
10,700.00	6,928.58	7,351.40	7,072.32	114.08	38.16	-106.66	-669.33	-397.12	2,792.69	2,721.54	71.15	39.252		
10,800.00	6,927.26	7,356.60	7,077.51	116.81	38.17	-107.24	-669.03	-397.42	2,891.10	2,819.96	71.14	40.640		
10,900.00	6,925.95	7,361.87	7,082.77	119.54	38.18	-107.81	-668.73	-397.72	2,989.61	2,918.47	71.14	42.026		
11,000.00	6,924.64	7,367.21	7,088.08	122.28	38.20	-108.40	-668.41	-398.03	3,088.20	3,017.06	71.14	43.412		
11,100.00	6,923.32	7,372.61	7,093.47	125.02	38.21	-108.98	-668.09	-398.35	3,186.88	3,115.73	71.14	44.796		
11,200.00	6,922.01	7,378.08	7,098.91	127.77	38.23	-109.57	-667.77	-398.67	3,285.62	3,214.47	71.15	46.179		
11,300.00	6,920.69	7,383.61	7,104.43	130.52	38.24	-110.17	-667.44	-398.99	3,384.44	3,313.28	71.16	47.560		
11,400.00	6,919.38	7,389.22	7,110.02	133.28	38.26	-110.76	-667.10	-399.32	3,483.31	3,412.14	71.18	48.939		
11,500.00	6,918.06	7,394.90	7,115.67	136.04	38.27	-111.37	-666.75	-399.66	3,582.24	3,511.05	71.20	50.316		
11,600.00	6,916.75	7,400.65	7,121.40	138.80	38.29	-111.97	-666.39	-400.01	3,681.22	3,610.01	71.22	51.691		
11,700.00	6,915.43	7,406.47	7,127.20	141.56	38.31	-112.58	-666.03	-400.36	3,780.25	3,709.01	71.24	53.064		
11,800.00	6,914.12	7,412.37	7,133.08	144.33	38.32	-113.19	-665.66	-400.71	3,879.32	3,808.06	71.27	54.434		
11,900.00	6,912.80	7,418.34	7,139.03	147.10	38.34	-113.81	-665.28	-401.07	3,978.44	3,907.14	71.29	55.803		
12,000.00	6,911.49	7,424.39	7,145.06	149.88	38.36	-114.43	-664.89	-401.44	4,077.58	4,006.26	71.33	57.168		
12,100.00	6,910.17	7,430.52	7,151.16	152.65	38.37	-115.05	-664.49	-401.82	4,176.77	4,105.41	71.36	58.531		
12,200.00	6,908.86	7,436.72	7,157.31	155.43	38.39	-115.67	-664.09	-402.20	4,276.04	4,205.64	71.40	59.894		
12,300.00	6,907.54	7,443.00	7,163.50	158.21	38.41	-116.29	-663.69	-402.58	4,375.31	4,305.91	71.44	61.257		
12,400.00	6,906.23	7,449.34	7,169.73	160.99	38.43	-116.91	-663.29	-402.96	4,474.63	4,406.23	71.48	62.620		
12,500.00	6,904.92	7,455.72	7,176.00	163.78	38.45	-117.53	-662.89	-403.34	4,573.97	4,507.57	71.52	63.983		
12,600.00	6,903.60	7,462.14	7,182.31	166.57	38.47	-118.15	-662.49	-403.72	4,673.33	4,607.93	71.56	65.346		
12,700.00	6,902.29	7,468.60	7,188.66	169.35	38.49	-118.77	-662.09	-404.10	4,772.72	4,708.33	71.60	66.709		
12,800.00	6,900.97	7,475.10	7,195.05	172.14	38.51	-119.39	-661.69	-404.48	4,872.14	4,807.75	71.64	68.072		
12,900.00	6,899.66	7,481.64	7,201.48	174.94	38.53	-120.01	-661.29	-404.86	4,971.58	4,902.19	71.68	69.435		
13,000.00	6,898.34	7,488.22	7,207.95	177.73	38.55	-120.63	-660.89	-405.24	5,071.04	4,997.63	71.72	70.798		
13,100.00	6,897.03	7,494.84	7,214.46	180.53	38.57	-121.25	-660.49	-405.62	5,170.52	5,093.11	71.76	72.161		
13,200.00	6,895.71	7,501.50	7,221.01	183.32	38.59	-121.87	-660.09	-406.00	5,270.03	5,198.61	71.80	73.524		
13,300.00	6,894.40	7,508.20	7,227.60	186.12	38.61	-122.49	-659.69	-406.38	5,369.55	5,293.11	71.84	74.887		
13,400.00	6,893.08	7,514.94	7,234.23	188.92	38.63	-123.11	-659.29	-406.76	5,469.09	5,397.61	71.88	76.250		
13,500.00	6,891.77	7,521.72	7,240.90	191.72	38.65	-123.73	-658.89	-407.14	5,568.64	5,492.11	71.92	77.613		
13,600.00	6,890.45	7,528.54	7,247.61	194.52	38.67	-124.35	-658.49	-407.52	5,668.21	5,596.61	71.96	78.976		
13,700.00	6,889.14	7,535.40	7,254.36	197.32	38.69	-124.97	-658.09	-407.90	5,767.80	5,696.11	72.00	80.339		
13,800.00	6,887.82	7,542.30	7,261.14	200.13	38.71	-125.59	-657.69	-408.28	5,867.40	5,795.71	72.04	81.702		

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 13N-6B-M
<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 13N-6B-M	<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		
13,900.00	6,886.51	7,408.00	7,128.73	202.93	38.31	-112.74	-665.93	-400.45	5,967.01	5,894.75	72.26	82.580		
14,000.00	6,885.20	7,408.00	7,128.73	205.74	38.31	-112.74	-665.93	-400.45	6,066.63	5,994.32	72.32	83.889		
14,100.00	6,883.88	7,408.00	7,128.73	208.55	38.31	-112.74	-665.93	-400.45	6,166.27	6,093.89	72.38	85.194		
14,200.00	6,882.57	7,408.00	7,128.73	211.35	38.31	-112.74	-665.93	-400.45	6,265.92	6,193.48	72.44	86.497		
14,300.00	6,881.25	7,408.00	7,128.73	214.16	38.31	-112.74	-665.93	-400.45	6,365.58	6,293.08	72.50	87.796		
14,400.00	6,879.94	7,408.00	7,128.73	216.97	38.31	-112.74	-665.93	-400.45	6,465.25	6,392.68	72.57	89.092		
14,500.00	6,878.62	7,408.00	7,128.73	219.78	38.31	-112.74	-665.93	-400.45	6,564.93	6,492.30	72.63	90.385		
14,600.00	6,877.31	7,408.00	7,128.73	222.59	38.31	-112.74	-665.93	-400.45	6,664.62	6,591.92	72.70	91.674		
14,700.00	6,875.99	7,408.00	7,128.73	225.41	38.31	-112.74	-665.93	-400.45	6,764.32	6,691.56	72.77	92.960		
14,800.00	6,874.68	7,408.00	7,128.73	228.22	38.31	-112.74	-665.93	-400.45	6,864.03	6,791.20	72.83	94.242		
14,900.00	6,873.36	7,408.00	7,128.73	231.03	38.31	-112.74	-665.93	-400.45	6,963.75	6,890.84	72.90	95.520		
15,000.00	6,872.05	7,408.00	7,128.73	233.85	38.31	-112.74	-665.93	-400.45	7,063.47	6,990.50	72.97	96.796		
15,100.00	6,870.73	7,408.00	7,128.73	236.66	38.31	-112.74	-665.93	-400.45	7,163.20	7,090.16	73.04	98.067		
15,200.00	6,869.42	7,408.00	7,128.73	239.48	38.31	-112.74	-665.93	-400.45	7,262.94	7,189.83	73.12	99.335		
15,300.00	6,868.11	7,408.00	7,128.73	242.29	38.31	-112.74	-665.93	-400.45	7,362.69	7,289.50	73.19	100.600		
15,400.00	6,866.79	7,408.00	7,128.73	245.11	38.31	-112.74	-665.93	-400.45	7,462.44	7,389.18	73.26	101.860		
15,460.11	6,866.00	7,408.00	7,128.73	246.80	38.31	-112.74	-665.93	-400.45	7,522.41	7,449.10	73.31	102.617		
15,460.74	6,865.99	7,408.00	7,128.73	246.82	38.31	-112.74	-665.93	-400.45	7,523.03	7,449.73	73.31	102.624		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 13N-6B-M
<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 13N-6B-M	<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 Depths are relative to GL 4770+KB 20 @ 4790.00ft

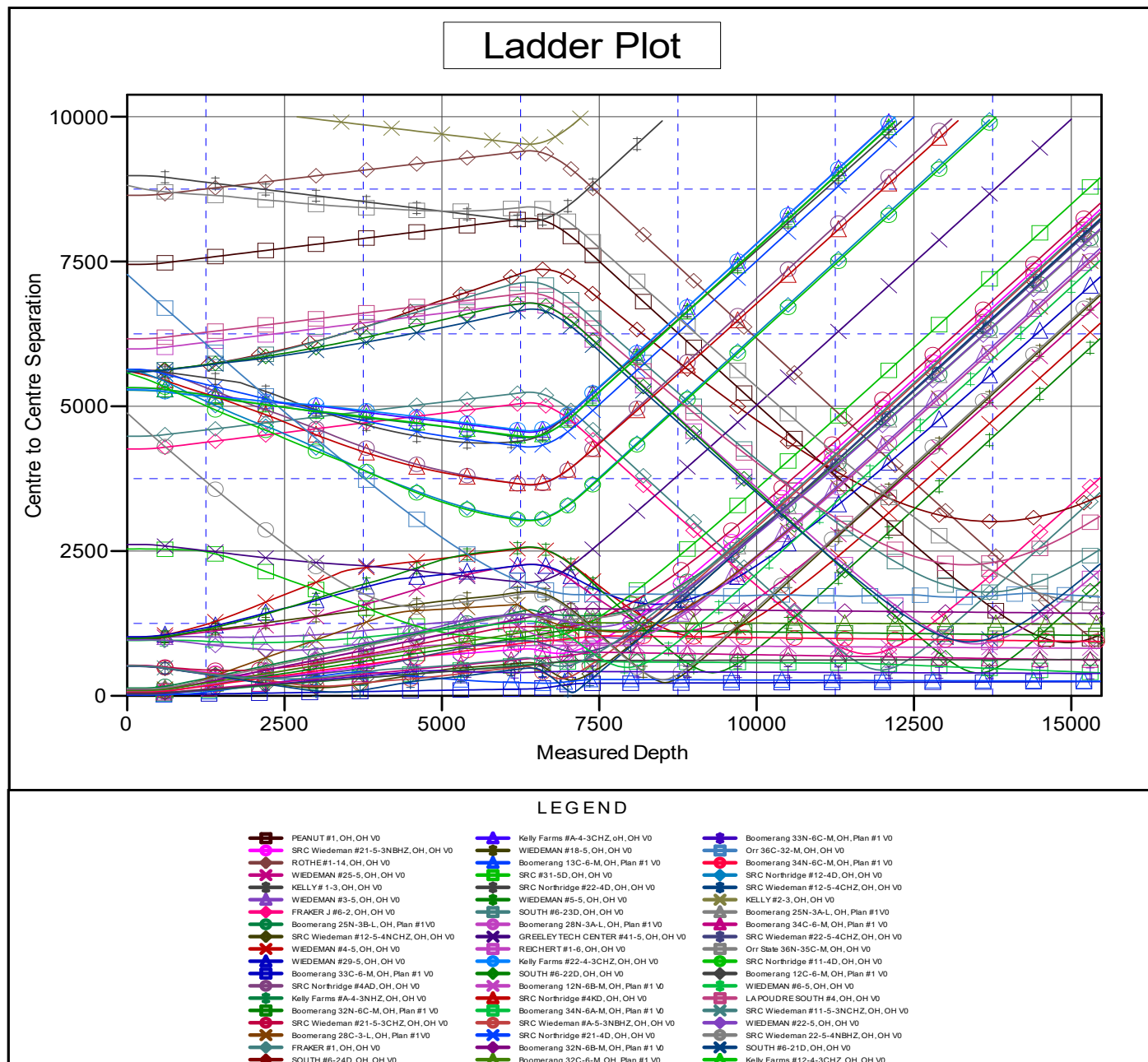
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 13N-6B-M

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°



**Company:** Synergy Resources Corporation  
**Project:** SEC 5-T5N-R66W  
**Reference Site:** Boomerang 21-5  
**Site Error:** 3.28 ft  
**Reference Well:** Boomerang 13N-6B-M  
**Well Error:** 3.28 ft  
**Reference Wellbore:** OH  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Boomerang 13N-6B-M  
**TVD Reference:** GL 4770+KB 20 @ 4790.00ft  
**MD Reference:** GL 4770+KB 20 @ 4790.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.45 sigma  
**Database:** EDM 5000.14 Single User Db  
**Offset TVD Reference:** Offset Datum

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

Offset Depths are relative to Offset Datum

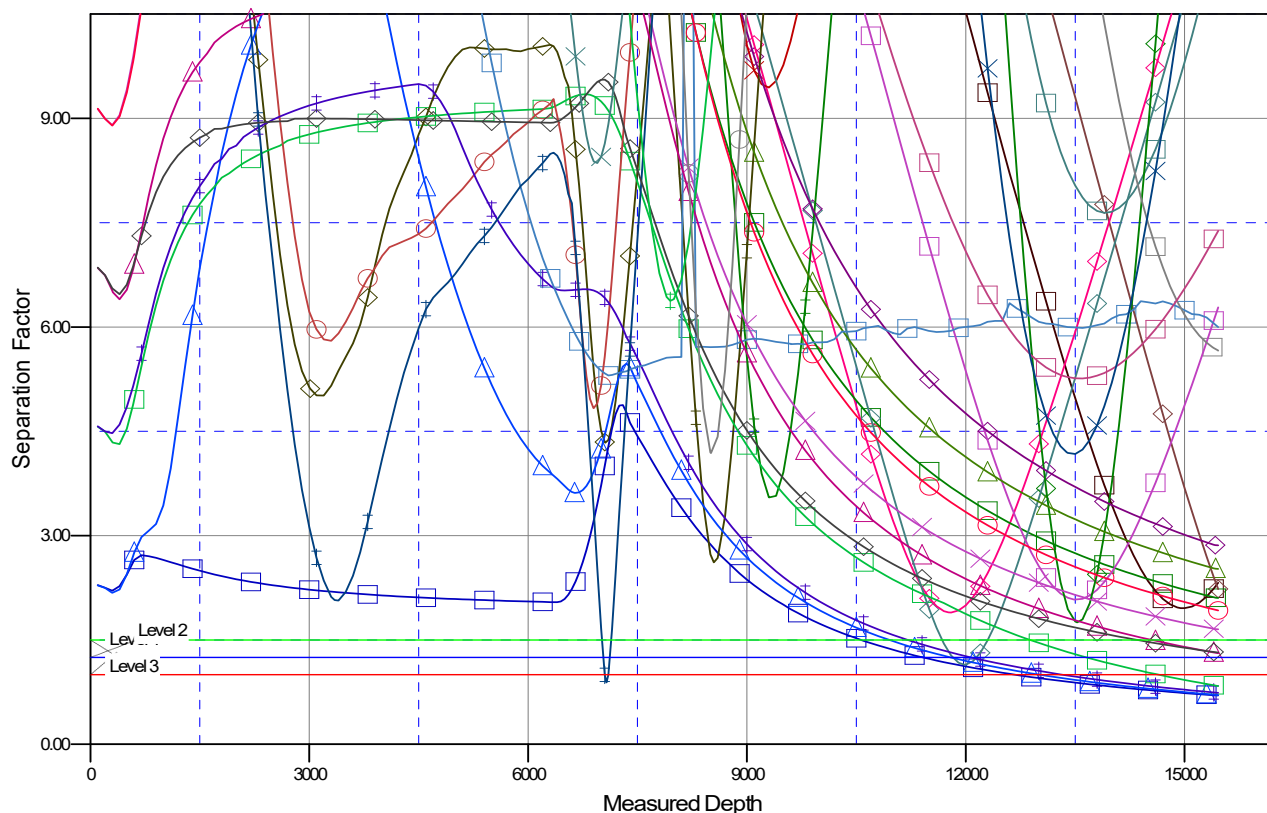
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 13N-6B-M

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

## Separation Factor Plot



### LEGEND

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