



# **Synergy Resources Corporation**

**SEC 5-T5N-R66W**

**Boomerang 21-5**

**Boomerang 32C-6-M**

**OH**

**Plan #1**

## **Anticollision Report**

**05 April, 2017**

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	15,846.32	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	45.04	38.36	6.748	CC, ES
Boomerang 12C-6-M - OH - Plan #1	15,846.35	15,687.17	624.63	124.50	1.249	Level 2, SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	30.03	23.36	4.499	CC
Boomerang 12N-6B-M - OH - Plan #1	15,846.35	15,602.40	447.94	-8.87	0.981	Level 1, ES, SF
Boomerang 13C-6-M - OH - Plan #1	200.00	200.00	105.06	98.39	15.742	CC, ES
Boomerang 13C-6-M - OH - Plan #1	15,846.35	15,655.44	1,398.97	899.82	2.803	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	90.06	83.39	13.494	CC, ES
Boomerang 13N-6B-M - OH - Plan #1	15,846.35	15,424.21	1,241.03	749.34	2.524	SF
Boomerang 25N-3A-L - OH - Plan #1	454.31	452.66	26.23	18.79	3.528	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	7,008.80	7,506.32	101.12	29.36	1.409	Level 3, SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	45.03	38.36	6.747	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	7,200.00	7,508.47	158.04	86.55	2.211	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	180.10	173.42	26.984	CC, ES
Boomerang 28C-3-L - OH - Plan #1	9,300.00	6,981.25	2,584.96	2,486.49	26.251	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	165.09	158.42	24.736	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	300.00	294.55	168.07	161.18	24.400	SF
Boomerang 32N-6B-M - OH - Plan #1	462.75	462.10	11.36	3.91	1.524	CC
Boomerang 32N-6B-M - OH - Plan #1	15,844.16	15,741.35	270.24	-124.85	0.684	Level 1, ES, SF
Boomerang 32N-6C-M - OH - Plan #1	200.00	200.00	15.00	8.33	2.248	CC
Boomerang 32N-6C-M - OH - Plan #1	15,846.35	15,697.76	219.10	-211.02	0.509	Level 1, ES, SF
Boomerang 33C-6-M - OH - Plan #1	200.00	200.00	75.03	68.36	11.242	CC, ES
Boomerang 33C-6-M - OH - Plan #1	15,846.35	15,623.54	1,062.79	564.39	2.132	SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	15,846.35	15,561.76	853.29	324.86	1.615	SF
Boomerang 34C-6-M - OH - Plan #1	200.00	200.00	135.06	128.39	20.237	CC, ES
Boomerang 34C-6-M - OH - Plan #1	15,846.35	15,628.18	1,812.74	1,316.96	3.656	SF
Boomerang 34N-6A-M - OH - Plan #1	200.00	200.00	120.06	113.39	17.989	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	15,846.35	15,335.52	1,637.79	1,148.38	3.347	SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	150.09	143.42	22.489	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	15,846.35	15,485.23	2,168.43	1,675.89	4.403	SF
FRAKER #1 - OH - OH	12,401.03	7,106.77	1,683.74	1,282.17	4.193	CC, ES
FRAKER #1 - OH - OH	12,500.00	7,107.64	1,686.64	1,282.56	4.174	SF
FRAKER J #6-2 - OH - OH	12,184.39	7,051.13	514.76	121.15	1.308	Level 3, CC
FRAKER J #6-2 - OH - OH	12,200.00	7,050.99	515.00	121.02	1.307	Level 3, ES, SF
GREELEY TECH CENTER #41-5 - OH - OH	6,640.50	6,531.89	1,491.66	1,432.44	25.189	CC
GREELEY TECH CENTER #41-5 - OH - OH	6,650.00	6,540.50	1,491.73	1,432.43	25.155	ES
GREELEY TECH CENTER #41-5 - OH - OH	6,750.00	6,637.56	1,501.34	1,441.23	24.979	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 32C-6-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 32C-6-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						
KELLY # 1-3 - OH - OH	6,610.00	6,443.70	8,219.12	7,964.34	32.259	CC
KELLY # 1-3 - OH - OH	6,650.00	6,483.25	8,220.34	7,964.00	32.068	ES
KELLY # 1-3 - OH - OH	7,150.00	6,923.66	8,428.26	8,155.28	30.875	SF
KELLY #2-3 - OH - OH	6,627.54	6,445.04	9,357.42	9,102.85	36.757	CC
KELLY #2-3 - OH - OH	6,650.00	6,467.25	9,357.82	9,102.37	36.633	ES
KELLY #2-3 - OH - OH	7,200.00	6,940.29	9,597.55	9,324.35	35.131	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,570.02	6,318.28	4,598.72	4,540.17	78.544	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,850.00	6,431.00	4,656.07	4,596.02	77.544	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,585.30	6,392.59	4,754.72	4,695.27	79.974	CC, ES
Kelly Farms #22-4-3CHZ - OH - OH	6,850.00	6,472.22	4,808.64	4,747.86	79.109	SF
Kelly Farms #A-4-3CHZ - oH - OH	6,593.80	6,400.63	4,617.68	4,558.09	77.488	CC
Kelly Farms #A-4-3CHZ - oH - OH	6,600.00	6,404.73	4,617.71	4,558.07	77.428	ES
Kelly Farms #A-4-3CHZ - oH - OH	6,800.00	6,481.24	4,651.35	4,590.62	76.594	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,578.61	6,260.00	4,474.23	4,414.14	74.454	CC, ES
Kelly Farms #A-4-3NHZ - OH - OH	6,700.00	6,260.00	4,486.94	4,426.36	74.070	SF
LA POUDRE SOUTH #4 - OH - OH	13,750.77	7,104.39	1,029.54	590.49	2.345	CC, ES
LA POUDRE SOUTH #4 - OH - OH	13,800.00	7,103.95	1,030.72	590.51	2.341	SF
Orr 36C-32-M - OH - OH	7,550.00	16,144.95	487.45	153.09	1.458	Level 3, ES, SF
Orr 36C-32-M - OH - OH	13,695.76	9,988.51	460.40	171.54	1.594	CC
Orr State 36N-35C-M - OH - OH	15,846.35	7,452.44	402.54	130.57	1.480	Level 3, CC, ES, SF
PEANUT #1 - OH - OH	15,368.63	7,044.19	307.91	-174.39	0.638	Level 1, CC, ES, SF
REICHERT #1-6 - OH - OH	13,902.88	7,105.05	335.25	-108.08	0.756	Level 1, CC, ES, SF
ROTHER #1-14 - OH - OH	15,846.35	7,086.00	1,928.66	1,449.50	4.025	CC, ES, SF
SOUTH #6-21D - OH - OH	13,803.89	7,350.00	304.92	83.85	1.379	Level 3, CC, ES, SF
SOUTH #6-22D - OH - OH	13,955.91	7,159.69	1,622.75	1,391.59	7.020	CC
SOUTH #6-22D - OH - OH	14,000.00	7,160.21	1,623.35	1,391.12	6.990	ES
SOUTH #6-22D - OH - OH	14,100.00	7,161.38	1,629.13	1,395.00	6.958	SF
SOUTH #6-23D - OH - OH	14,102.20	7,160.89	3,027.27	2,790.11	12.765	CC
SOUTH #6-23D - OH - OH	14,200.00	7,161.29	3,028.85	2,788.78	12.616	ES
SOUTH #6-23D - OH - OH	14,700.00	7,163.27	3,085.73	2,834.20	12.268	SF
SOUTH #6-24D - OH - OH	14,126.56	6,052.12	4,232.59	4,006.86	18.750	CC
SOUTH #6-24D - OH - OH	14,500.00	14,500.00	4,248.72	3,938.27	13.686	ES
SOUTH #6-24D - OH - OH	14,600.00	14,600.00	4,258.23	3,942.21	13.474	SF
SRC #31-5D - OH - OH	6,100.00	6,223.56	143.80	78.57	2.204	ES, SF
SRC #31-5D - OH - OH	6,187.73	6,312.30	143.12	78.98	2.232	CC
SRC Northridge #11-4D - OH - OH	6,634.42	7,013.92	2,774.42	2,675.89	28.157	CC, ES
SRC Northridge #11-4D - OH - OH	6,650.00	7,027.39	2,774.62	2,676.06	28.152	SF
SRC Northridge #12-4D - OH - OH	6,587.27	6,746.86	3,274.79	3,194.38	40.729	CC, ES
SRC Northridge #12-4D - OH - OH	6,750.00	6,875.42	3,293.47	3,211.87	40.364	SF
SRC Northridge #21-4D - OH - OH	6,636.00	6,744.68	4,075.36	4,001.45	55.144	CC, ES
SRC Northridge #21-4D - OH - OH	6,850.00	6,970.64	4,110.92	4,035.69	54.647	SF
SRC Northridge #22-4D - OH - OH	5,567.17	5,065.90	4,513.46	4,466.76	96.645	CC
SRC Northridge #22-4D - OH - OH	5,600.00	5,065.90	4,513.58	4,466.75	96.382	ES
SRC Northridge #22-4D - OH - OH	6,400.00	5,065.90	4,589.66	4,540.44	93.257	SF
SRC Northridge #4AD - OH - OH	6,615.71	6,693.93	3,662.83	3,600.09	58.380	CC, ES
SRC Northridge #4AD - OH - OH	6,850.00	6,936.70	3,702.23	3,637.80	57.465	SF
SRC Northridge #4KD - OH - OH	6,557.83	6,588.39	4,060.60	3,968.62	44.146	CC, ES
SRC Northridge #4KD - OH - OH	6,750.00	6,787.75	4,083.57	3,990.31	43.788	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	3,214.25	3,197.80	236.95	207.47	8.037	CC, ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	3,600.00	3,570.81	252.40	219.41	7.651	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	1,753.55	1,722.96	389.16	372.31	23.099	CC, ES
SRC Wiedeman #12-5-4CHZ - OH - OH	7,500.00	7,104.44	1,313.94	1,246.71	19.545	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	1,731.58	1,704.91	424.44	407.82	25.526	CC, ES

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

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<b>Reference Site:</b>	Boomerang 21-5	<b>MD Reference:</b>	GL 4770+KB 20 @ 4790.00ft
<b>Site Error:</b>	3.28 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Boomerang 32C-6-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 Wiedeman #12-5-4NCHZ - OH - OH	7,800.00	6,908.60	1,571.40	1,502.34	22.755	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	3,578.57	3,541.16	51.05	17.77	1.534	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	7,100.00	7,092.13	57.90	-7.71	0.882	Level 1, ES, SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	3,426.12	3,399.75	140.58	109.15	4.473	CC, ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	3,700.00	3,670.56	146.86	112.84	4.317	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	1,036.94	1,001.92	473.91	462.82	42.713	CC
SRC Wiedeman #22-5-4CHZ - OH - OH	1,100.00	1,062.22	474.38	462.78	40.880	ES
SRC Wiedeman #22-5-4CHZ - OH - OH	8,600.00	6,803.00	2,227.04	2,143.23	26.570	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,513.35	2,491.03	364.16	340.89	15.650	CC
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,600.00	2,574.82	364.91	340.87	15.182	ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	3,500.00	3,456.96	428.33	396.33	13.383	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,931.33	2,196.04	980.72	909.20	13.714	CC, ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	9,100.00	2,200.25	995.11	919.92	13.236	SF
WIEDEMAN #18-5 - OH - OH	100.00	59.05	959.86	953.28	146.041	CC
WIEDEMAN #18-5 - OH - OH	9,000.00	7,130.98	1,019.76	924.47	10.702	ES
WIEDEMAN #18-5 - OH - OH	9,200.00	7,132.56	1,044.37	945.28	10.540	SF
WIEDEMAN #22-5 - OH - OH	1,538.54	1,662.09	866.51	850.00	52.475	CC, ES
WIEDEMAN #22-5 - OH - OH	9,800.00	9,800.00	3,085.53	2,973.41	27.521	SF
WIEDEMAN #25-5 - OH - OH	100.00	60.76	967.77	961.20	147.237	CC, ES
WIEDEMAN #25-5 - OH - OH	10,100.00	7,383.81	2,527.21	2,402.57	20.276	SF
WIEDEMAN #29-5 - OH - OH	8,817.73	7,214.99	333.06	240.84	3.611	CC, ES, SF
WIEDEMAN #3-5 - OH - OH	8,220.86	7,203.59	248.10	166.06	3.024	CC, ES, SF
WIEDEMAN #4-5 - OH - OH	9,525.53	7,183.43	229.52	117.82	2.055	CC, ES, SF
WIEDEMAN #5-5 - OH - OH	100.00	57.13	977.10	970.53	148.675	CC, ES
WIEDEMAN #5-5 - OH - OH	10,100.00	7,326.65	1,679.08	1,549.77	12.985	SF
WIEDEMAN #6-5 - OH - OH	665.51	727.70	937.39	928.47	105.061	CC
WIEDEMAN #6-5 - OH - OH	700.00	759.57	937.59	928.46	102.636	ES
WIEDEMAN #6-5 - OH - OH	8,900.00	7,408.00	1,807.19	1,714.97	19.597	SF

<b>Offset Design</b>												Offset Site Error:	0.00 ft
Boomerang 21-5 - Boomerang 12C-6-M - OH - Plan #1												Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-174.32	-44.82	-4.45	45.04				
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-44.82	-4.45	45.04	38.47	6.57	6.856	
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-44.82	-4.45	45.04	38.36	6.67	6.748	CC, ES
300.00	299.98	299.98	299.98	3.44	3.44	142.49	-44.82	-4.45	46.41	39.52	6.89	6.736	
400.00	399.84	400.79	400.77	3.61	3.60	144.39	-44.11	-2.83	49.70	42.49	7.21	6.894	
500.00	499.45	501.68	501.52	3.81	3.81	145.01	-42.00	2.06	53.98	46.36	7.62	7.081	
600.00	598.70	602.63	602.06	4.06	4.05	144.57	-38.49	10.21	59.20	51.08	8.12	7.289	
700.00	697.47	703.59	702.26	4.35	4.33	143.36	-33.57	21.60	65.39	56.69	8.69	7.521	
800.00	795.62	803.73	801.25	4.66	4.64	142.10	-27.59	35.46	72.93	63.61	9.32	7.823	
817.50	812.73	821.16	818.48	4.73	4.70	142.05	-26.53	37.91	74.52	65.08	9.44	7.894	
900.00	893.32	903.30	899.65	5.01	4.97	142.01	-21.55	49.44	82.18	72.18	10.00	8.219	
1,000.00	991.01	1,002.87	998.05	5.38	5.33	141.98	-15.51	63.43	91.48	80.76	10.72	8.536	
1,100.00	1,088.69	1,102.44	1,096.44	5.77	5.70	141.95	-9.47	77.41	100.77	89.30	11.47	8.786	
1,200.00	1,186.38	1,202.00	1,194.84	6.18	6.08	141.93	-3.44	91.40	110.07	97.82	12.25	8.985	
1,300.00	1,284.06	1,301.57	1,293.23	6.60	6.48	141.91	2.60	105.38	119.36	106.31	13.05	9.144	
1,400.00	1,381.75	1,401.14	1,391.63	7.03	6.88	141.89	8.64	119.37	128.66	114.78	13.88	9.271	

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 32C-6-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		
1,500.00	1,479.44	1,500.70	1,490.02	7.47	7.30	141.88	14.67	133.35	137.95	123.24	14.72	9.374		
1,600.00	1,577.12	1,600.27	1,588.42	7.91	7.72	141.87	20.71	147.34	147.25	131.68	15.57	9.458		
1,700.00	1,674.81	1,700.16	1,686.81	8.37	8.14	141.86	26.75	161.32	156.54	140.11	16.43	9.525		
1,800.00	1,772.49	1,800.59	1,785.21	8.82	8.58	141.85	32.79	175.31	165.84	148.53	17.31	9.580		
1,900.00	1,870.18	1,901.03	1,883.60	9.28	9.01	141.84	38.82	189.29	175.14	156.94	18.20	9.624		
2,000.00	1,967.87	2,001.46	1,982.00	9.75	9.45	141.83	44.86	203.28	184.43	165.34	19.09	9.661		
2,100.00	2,065.55	2,101.89	2,080.39	10.22	9.90	141.82	50.90	217.26	193.73	173.74	19.99	9.691		
2,200.00	2,163.24	2,202.33	2,178.79	10.69	10.34	141.82	56.94	231.25	203.02	182.13	20.89	9.717		
2,300.00	2,260.92	2,302.76	2,277.18	11.16	10.79	141.81	62.97	245.23	212.32	190.51	21.80	9.738		
2,400.00	2,358.61	2,403.19	2,375.58	11.64	11.24	141.81	69.01	259.22	221.61	198.89	22.72	9.756		
2,500.00	2,456.30	2,503.62	2,473.97	12.12	11.70	141.80	75.05	273.20	230.91	207.27	23.63	9.771		
2,600.00	2,553.98	2,595.94	2,572.37	12.59	12.11	141.80	81.08	287.19	240.20	215.69	24.52	9.798		
2,700.00	2,651.67	2,704.49	2,670.76	13.08	12.61	141.79	87.12	301.17	249.50	224.02	25.48	9.794		
2,800.00	2,749.35	2,804.92	2,769.16	13.56	13.06	141.79	93.16	315.16	258.79	232.39	26.40	9.802		
2,900.00	2,847.04	2,894.64	2,867.55	14.04	13.47	141.78	99.20	329.14	268.09	240.81	27.28	9.827		
3,000.00	2,944.72	3,005.79	2,965.95	14.52	13.98	141.78	105.23	343.13	277.38	249.12	28.26	9.816		
3,100.00	3,042.41	3,106.22	3,064.34	15.01	14.44	141.78	111.27	357.11	286.68	257.49	29.19	9.821		
3,200.00	3,140.10	3,206.66	3,162.74	15.50	14.90	141.77	117.31	371.10	295.97	265.85	30.12	9.825		
3,300.00	3,237.78	3,307.09	3,261.13	15.98	15.37	141.77	123.35	385.08	305.27	274.21	31.06	9.828		
3,400.00	3,335.47	3,407.52	3,359.53	16.47	15.83	141.77	129.38	399.07	314.56	282.57	32.00	9.831		
3,500.00	3,433.15	3,507.95	3,457.92	16.96	16.29	141.77	135.42	413.05	323.86	290.92	32.93	9.833		
3,600.00	3,530.84	3,608.39	3,556.32	17.45	16.76	141.76	141.46	427.03	333.15	299.28	33.87	9.835		
3,700.00	3,628.53	3,708.82	3,654.71	17.94	17.22	141.76	147.50	441.02	342.45	307.63	34.81	9.836		
3,800.00	3,726.21	3,809.25	3,753.11	18.43	17.68	141.76	153.53	455.00	351.74	315.99	35.76	9.837		
3,900.00	3,823.90	3,909.69	3,851.50	18.92	18.15	141.76	159.57	468.99	361.04	324.34	36.70	9.838		
4,000.00	3,921.58	3,989.88	3,949.90	19.41	18.52	141.76	165.61	482.97	370.33	332.79	37.55	9.863		
4,100.00	4,019.27	4,089.45	4,048.29	19.90	18.98	141.75	171.64	496.96	379.63	341.14	38.49	9.864		
4,200.00	4,116.96	4,189.02	4,146.69	20.39	19.45	141.75	177.68	510.94	388.92	349.50	39.43	9.864		
4,300.00	4,214.64	4,288.58	4,245.08	20.88	19.91	141.75	183.72	524.93	398.22	357.85	40.37	9.864		
4,400.00	4,312.33	4,388.15	4,343.48	21.37	20.37	141.75	189.76	538.91	407.51	366.20	41.31	9.864		
4,500.00	4,410.01	4,487.72	4,441.87	21.87	20.84	141.75	195.79	552.90	416.81	374.56	42.25	9.864		
4,600.00	4,507.70	4,587.28	4,540.27	22.36	21.30	141.75	201.83	566.88	426.10	382.91	43.20	9.864		
4,700.00	4,605.39	4,686.85	4,638.66	22.85	21.76	141.75	207.87	580.87	435.40	391.26	44.14	9.864		
4,800.00	4,703.07	4,786.42	4,737.06	23.35	22.23	141.74	213.91	594.85	444.69	399.61	45.08	9.864		
4,900.00	4,800.76	4,885.99	4,835.45	23.84	22.69	141.74	219.94	608.84	453.99	407.96	46.03	9.863		
5,000.00	4,898.44	4,985.55	4,933.85	24.33	23.16	141.74	225.98	622.82	463.28	416.31	46.97	9.862		
5,100.00	4,996.13	5,085.12	5,032.24	24.83	23.62	141.74	232.02	636.81	472.58	424.66	47.92	9.862		
5,200.00	5,093.82	5,184.69	5,130.64	25.32	24.09	141.74	238.05	650.79	481.87	433.01	48.87	9.861		
5,300.00	5,191.50	5,284.25	5,229.03	25.82	24.55	141.74	244.09	664.78	491.17	441.36	49.81	9.860		
5,400.00	5,289.19	5,383.82	5,327.43	26.31	25.02	141.74	250.13	678.76	500.47	449.71	50.76	9.860		
5,500.00	5,386.87	5,483.39	5,425.82	26.81	25.48	141.74	256.17	692.75	509.76	458.05	51.71	9.859		
5,600.00	5,484.56	5,582.95	5,524.22	27.30	25.95	141.74	262.20	706.73	519.06	466.40	52.65	9.858		
5,700.00	5,582.25	5,682.52	5,622.61	27.80	26.41	141.73	268.24	720.72	528.35	474.75	53.60	9.857		
5,800.00	5,679.93	5,782.09	5,721.01	28.29	26.88	141.73	274.28	734.70	537.65	483.10	54.55	9.856		
5,900.00	5,777.62	5,881.66	5,819.40	28.79	27.35	141.73	280.32	748.69	546.94	491.44	55.50	9.855		
6,000.00	5,875.30	5,981.22	5,917.80	29.28	27.81	141.73	286.35	762.67	556.24	499.79	56.44	9.855		
6,100.00	5,972.99	6,080.79	6,016.19	29.78	28.28	141.73	292.39	776.66	565.53	508.14	57.39	9.854		
6,200.00	6,070.67	6,180.36	6,114.59	30.27	28.74	141.73	298.43	790.64	574.83	516.48	58.34	9.853		
6,300.00	6,168.36	6,279.92	6,212.98	30.77	29.21	141.73	304.46	804.63	584.12	524.83	59.29	9.852		
6,400.00	6,266.05	6,379.49	6,311.38	31.26	29.68	141.73	310.50	818.61	593.42	533.18	60.24	9.851		
6,500.00	6,363.73	6,479.06	6,409.77	31.76	30.14	141.73	316.54	832.59	602.71	541.52	61.19	9.850		
6,534.50	6,397.43	6,508.98	6,439.45	31.93	30.28	141.80	318.33	836.01	606.05	544.58	61.47	9.859		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
6,550.00	6,412.60	6,522.50	6,452.89	32.01	30.34	146.81	319.13	837.09	607.60	546.01	61.59	9.865		
6,600.00	6,461.82	6,565.99	6,496.28	32.24	30.52	169.07	321.63	838.64	612.58	550.61	61.97	9.885		
6,650.00	6,511.25	6,609.36	6,539.54	32.45	30.70	-161.29	324.03	837.23	617.49	555.17	62.31	9.909		
6,700.00	6,560.58	6,652.63	6,582.53	32.64	30.86	-135.70	326.31	832.88	622.28	559.65	62.64	9.935		
6,750.00	6,609.51	6,695.83	6,625.06	32.83	31.03	-119.47	328.46	825.64	626.95	564.00	62.95	9.959		
6,800.00	6,657.74	6,739.00	6,666.97	33.01	31.19	-109.65	330.49	815.54	631.44	568.18	63.26	9.981		
6,850.00	6,704.97	6,782.17	6,708.11	33.18	31.36	-103.38	332.37	802.62	635.75	572.17	63.58	10.000		
6,900.00	6,750.90	6,825.36	6,748.30	33.36	31.53	-99.13	334.10	786.93	639.83	575.94	63.90	10.013		
6,950.00	6,795.26	6,868.59	6,787.39	33.54	31.71	-96.12	335.68	768.53	643.68	579.45	64.23	10.021		
7,000.00	6,837.77	6,911.91	6,825.21	33.73	31.89	-93.90	337.10	747.48	647.27	582.68	64.59	10.021		
7,050.00	6,878.17	6,955.33	6,861.61	33.92	32.09	-92.25	338.35	723.85	650.58	585.60	64.97	10.013		
7,100.00	6,916.21	6,998.89	6,896.42	34.13	32.29	-91.01	339.42	697.71	653.59	588.20	65.40	9.994		
7,150.00	6,951.66	7,042.62	6,929.49	34.36	32.51	-90.09	340.31	669.13	656.31	590.44	65.87	9.964		
7,200.00	6,984.29	7,086.53	6,960.66	34.61	32.74	-89.42	341.02	638.22	658.71	592.31	66.40	9.921		
7,250.00	7,013.91	7,130.66	6,989.77	34.89	33.00	-88.96	341.53	605.07	660.78	593.79	66.99	9.864		
7,300.00	7,040.34	7,175.04	7,016.66	35.20	33.28	-88.68	341.84	569.78	662.53	594.88	67.65	9.793		
7,350.00	7,063.40	7,219.69	7,041.18	35.55	33.58	-88.56	341.95	532.47	663.95	595.55	68.40	9.707		
7,400.00	7,082.97	7,264.64	7,063.16	35.94	33.92	-88.58	341.85	493.28	665.04	595.82	69.22	9.608		
7,450.00	7,098.91	7,309.91	7,082.46	36.36	34.29	-88.72	341.54	452.33	665.79	595.67	70.12	9.494		
7,500.00	7,111.13	7,355.55	7,098.92	36.83	34.70	-88.99	341.02	409.78	666.22	595.11	71.11	9.369		
7,550.00	7,119.55	7,401.56	7,112.40	37.34	35.14	-89.37	340.28	365.81	666.33	594.16	72.17	9.233		
7,600.00	7,124.13	7,447.98	7,122.75	37.88	35.62	-89.86	339.32	320.57	666.11	592.82	73.29	9.088		
7,639.68	7,125.00	7,485.13	7,128.64	38.33	36.03	-90.32	338.40	283.91	665.73	591.50	74.23	8.969		
7,700.00	7,124.48	7,542.38	7,133.52	39.05	36.68	-90.78	336.72	226.91	665.15	589.46	75.70	8.787		
7,800.00	7,123.60	7,640.94	7,133.29	40.40	37.92	-90.84	333.34	128.42	664.62	586.29	78.32	8.486		
7,900.00	7,122.72	7,740.94	7,132.22	41.90	39.32	-90.82	329.87	28.49	664.12	582.87	81.25	8.174		
8,000.00	7,121.84	7,840.94	7,131.15	43.54	40.87	-90.81	326.39	-71.44	663.62	579.17	84.45	7.858		
8,100.00	7,120.97	7,940.94	7,130.08	45.30	42.56	-90.79	322.91	-171.37	663.12	575.21	87.91	7.543		
8,200.00	7,120.09	8,040.93	7,129.01	47.17	44.36	-90.77	319.43	-271.31	662.62	571.03	91.59	7.235		
8,300.00	7,119.21	8,140.93	7,127.94	49.13	46.27	-90.76	315.96	-371.24	662.12	566.66	95.47	6.936		
8,400.00	7,118.33	8,240.93	7,126.87	51.18	48.28	-90.74	312.48	-471.17	661.62	562.11	99.52	6.648		
8,500.00	7,117.46	8,340.93	7,125.80	53.30	50.36	-90.73	309.00	-571.10	661.12	557.40	103.72	6.374		
8,600.00	7,116.58	8,440.93	7,124.73	55.48	52.51	-90.71	305.53	-671.04	660.62	552.56	108.06	6.114		
8,700.00	7,115.70	8,540.93	7,123.66	57.72	54.73	-90.69	302.05	-770.97	660.13	547.61	112.52	5.867		
8,800.00	7,114.82	8,640.93	7,122.59	60.02	57.00	-90.68	298.57	-870.90	659.63	542.54	117.08	5.634		
8,900.00	7,113.95	8,740.92	7,121.52	62.36	59.32	-90.66	295.10	-970.83	659.13	537.38	121.74	5.414		
9,000.00	7,113.07	8,840.92	7,120.45	64.74	61.69	-90.64	291.62	-1,070.77	658.63	532.14	126.49	5.207		
9,100.00	7,112.19	8,940.92	7,119.38	67.15	64.09	-90.63	288.14	-1,170.70	658.13	526.82	131.31	5.012		
9,200.00	7,111.31	9,040.92	7,118.31	69.60	66.53	-90.61	284.67	-1,270.63	657.63	521.44	136.19	4.829		
9,300.00	7,110.44	9,140.92	7,117.24	72.08	69.00	-90.60	281.19	-1,370.56	657.13	516.00	141.14	4.656		
9,400.00	7,109.56	9,240.92	7,116.17	74.58	71.50	-90.58	277.71	-1,470.50	656.64	510.50	146.13	4.493		
9,500.00	7,108.68	9,340.92	7,115.10	77.10	74.02	-90.56	274.23	-1,570.43	656.14	504.96	151.18	4.340		
9,600.00	7,107.81	9,440.91	7,114.03	79.65	76.57	-90.55	270.76	-1,670.36	655.64	499.37	156.27	4.196		
9,700.00	7,106.93	9,540.91	7,112.96	82.22	79.13	-90.53	267.28	-1,770.29	655.14	493.74	161.40	4.059		
9,800.00	7,106.05	9,640.91	7,111.89	84.80	81.72	-90.51	263.80	-1,870.23	654.64	488.08	166.57	3.930		
9,900.00	7,105.17	9,740.91	7,110.82	87.40	84.32	-90.50	260.33	-1,970.16	654.14	482.38	171.77	3.808		
10,000.00	7,104.30	9,840.91	7,109.75	90.02	86.93	-90.48	256.85	-2,070.09	653.65	476.65	176.99	3.693		
10,100.00	7,103.42	9,940.91	7,108.68	92.64	89.56	-90.46	253.37	-2,170.02	653.15	470.90	182.25	3.584		
10,200.00	7,102.54	10,040.91	7,107.61	95.28	92.20	-90.45	249.90	-2,269.95	652.65	465.12	187.53	3.480		
10,300.00	7,101.66	10,140.90	7,106.54	97.94	94.86	-90.43	246.42	-2,369.89	652.15	459.32	192.83	3.382		
10,400.00	7,100.79	10,240.90	7,105.47	100.60	97.52	-90.41	242.94	-2,469.82	651.65	453.50	198.16	3.289		
10,500.00	7,099.91	10,340.90	7,104.40	103.27	100.19	-90.40	239.46	-2,569.75	651.16	447.66	203.50	3.200		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 12C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,600.00	7,099.03	10,440.90	7,103.33	105.95	102.88	-90.38	235.99	-2,669.68	650.66	441.80	208.86	3.115		
10,700.00	7,098.15	10,540.90	7,102.26	108.64	105.57	-90.36	232.51	-2,769.62	650.16	435.92	214.24	3.035		
10,800.00	7,097.28	10,640.90	7,101.19	111.33	108.27	-90.35	229.03	-2,869.55	649.66	430.03	219.63	2.958		
10,900.00	7,096.40	10,740.90	7,100.11	114.04	110.97	-90.33	225.56	-2,969.48	649.17	424.12	225.04	2.885		
11,000.00	7,095.52	10,840.89	7,099.04	116.74	113.69	-90.31	222.08	-3,069.41	648.67	418.21	230.46	2.815		
11,100.00	7,094.64	10,940.89	7,097.97	119.46	116.41	-90.30	218.60	-3,169.35	648.17	412.28	235.90	2.748		
11,200.00	7,093.77	11,040.89	7,096.90	122.18	119.13	-90.28	215.13	-3,269.28	647.67	406.33	241.34	2.684		
11,300.00	7,092.89	11,140.89	7,095.83	124.91	121.86	-90.26	211.65	-3,369.21	647.18	400.38	246.79	2.622		
11,400.00	7,092.01	11,240.89	7,094.76	127.64	124.60	-90.25	208.17	-3,469.14	646.68	394.42	252.26	2.564		
11,500.00	7,091.13	11,340.89	7,093.69	130.38	127.34	-90.23	204.69	-3,569.08	646.18	388.45	257.73	2.507		
11,600.00	7,090.26	11,440.89	7,092.62	133.12	130.08	-90.21	201.22	-3,669.01	645.68	382.47	263.22	2.453		
11,700.00	7,089.38	11,540.88	7,091.55	135.86	132.83	-90.20	197.74	-3,768.94	645.19	376.48	268.71	2.401		
11,800.00	7,088.50	11,640.88	7,090.48	138.61	135.58	-90.18	194.26	-3,868.87	644.69	370.48	274.21	2.351		
11,900.00	7,087.63	11,740.88	7,089.41	141.36	138.34	-90.16	190.79	-3,968.81	644.19	364.48	279.72	2.303		
12,000.00	7,086.75	11,840.88	7,088.34	144.12	141.10	-90.14	187.31	-4,068.74	643.70	358.47	285.23	2.257		
12,100.00	7,085.87	11,940.88	7,087.27	146.88	143.86	-90.13	183.83	-4,168.67	643.20	352.45	290.75	2.212		
12,200.00	7,084.99	12,040.88	7,086.20	149.64	146.63	-90.11	180.36	-4,268.60	642.70	346.43	296.27	2.169		
12,300.00	7,084.12	12,140.88	7,085.13	152.40	149.40	-90.09	176.88	-4,368.54	642.21	340.40	301.81	2.128		
12,400.00	7,083.24	12,240.87	7,084.06	155.17	152.17	-90.08	173.40	-4,468.47	641.71	334.37	307.34	2.088		
12,500.00	7,082.36	12,340.87	7,082.99	157.94	154.94	-90.06	169.93	-4,568.40	641.21	328.33	312.89	2.049		
12,600.00	7,081.48	12,440.87	7,081.92	160.71	157.72	-90.04	166.45	-4,668.33	640.72	322.28	318.43	2.012		
12,700.00	7,080.61	12,540.87	7,080.85	163.49	160.50	-90.02	162.97	-4,768.26	640.22	316.23	323.98	1.976		
12,800.00	7,079.73	12,640.87	7,079.78	166.27	163.28	-90.01	159.49	-4,868.20	639.72	310.18	329.54	1.941		
12,900.00	7,078.85	12,740.87	7,078.71	169.04	166.06	-89.99	156.02	-4,968.13	639.23	304.13	335.10	1.908		
13,000.00	7,077.97	12,840.87	7,077.64	171.83	168.84	-89.97	152.54	-5,068.06	638.73	298.06	340.67	1.875		
13,100.00	7,077.10	12,940.86	7,076.57	174.61	171.63	-89.96	149.06	-5,167.99	638.23	292.00	346.23	1.843		
13,200.00	7,076.22	13,040.86	7,075.50	177.39	174.42	-89.94	145.59	-5,267.93	637.74	285.93	351.81	1.813		
13,300.00	7,075.34	13,140.86	7,074.43	180.18	177.21	-89.92	142.11	-5,367.86	637.24	279.86	357.38	1.783		
13,400.00	7,074.46	13,240.86	7,073.36	182.97	180.00	-89.90	138.63	-5,467.79	636.75	273.79	362.96	1.754		
13,500.00	7,073.59	13,340.86	7,072.29	185.76	182.80	-89.89	135.16	-5,567.72	636.25	267.71	368.54	1.726		
13,600.00	7,072.71	13,440.86	7,071.22	188.55	185.59	-89.87	131.68	-5,667.66	635.75	261.63	374.13	1.699		
13,700.00	7,071.83	13,540.86	7,070.15	191.34	188.39	-89.85	128.20	-5,767.59	635.26	255.54	379.71	1.673		
13,800.00	7,070.95	13,640.85	7,069.08	194.14	191.19	-89.83	124.72	-5,867.52	634.76	249.46	385.30	1.647		
13,900.00	7,070.08	13,740.85	7,068.01	196.93	193.99	-89.82	121.25	-5,967.45	634.27	243.37	390.90	1.623		
14,000.00	7,069.20	13,840.85	7,066.93	199.73	196.79	-89.80	117.77	-6,067.39	633.77	237.28	396.49	1.598		
14,100.00	7,068.32	13,940.85	7,065.86	202.53	199.59	-89.78	114.29	-6,167.32	633.27	231.19	402.09	1.575		
14,200.00	7,067.45	14,040.85	7,064.79	205.33	202.39	-89.76	110.82	-6,267.25	632.78	225.09	407.69	1.552		
14,300.00	7,066.57	14,140.85	7,063.72	208.13	205.19	-89.74	107.34	-6,367.18	632.28	218.99	413.29	1.530		
14,400.00	7,065.69	14,240.85	7,062.65	210.93	208.00	-89.73	103.86	-6,467.12	631.79	212.89	418.89	1.508		
14,500.00	7,064.81	14,340.84	7,061.58	213.73	210.80	-89.71	100.39	-6,567.05	631.29	206.79	424.50	1.487 Level 3		
14,600.00	7,063.94	14,440.84	7,060.51	216.54	213.61	-89.69	96.91	-6,666.98	630.80	200.69	430.11	1.467 Level 3		
14,700.00	7,063.06	14,540.84	7,059.44	219.34	216.42	-89.67	93.43	-6,766.91	630.30	194.58	435.72	1.447 Level 3		
14,800.00	7,062.18	14,640.84	7,058.37	222.15	219.23	-89.66	89.95	-6,866.84	629.81	188.48	441.33	1.427 Level 3		
14,900.00	7,061.30	14,740.84	7,057.30	224.95	222.04	-89.64	86.48	-6,966.78	629.31	182.37	446.94	1.408 Level 3		
15,000.00	7,060.43	14,840.84	7,056.23	227.76	224.85	-89.62	83.00	-7,066.71	628.82	176.26	452.56	1.389 Level 3		
15,100.00	7,059.55	14,940.84	7,055.16	230.57	227.66	-89.60	79.52	-7,166.64	628.32	170.15	458.17	1.371 Level 3		
15,200.00	7,058.67	15,040.83	7,054.09	233.38	230.47	-89.58	76.05	-7,266.57	627.83	164.04	463.79	1.354 Level 3		
15,300.00	7,057.79	15,140.83	7,053.02	236.19	233.28	-89.57	72.57	-7,366.51	627.33	157.92	469.41	1.336 Level 3		
15,400.00	7,056.92	15,240.83	7,051.95	239.00	236.10	-89.55	69.09	-7,466.44	626.84	151.81	475.03	1.320 Level 3		
15,500.00	7,056.04	15,340.83	7,050.88	241.81	238.91	-89.53	65.62	-7,566.37	626.34	145.69	480.65	1.303 Level 3		
15,600.00	7,055.16	15,440.83	7,049.81	244.62	241.73	-89.51	62.14	-7,666.30	625.85	139.57	486.27	1.287 Level 3		
15,700.00	7,054.28	15,540.83	7,048.74	247.43	244.54	-89.49	58.66	-7,766.24	625.35	133.45	491.90	1.271 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 32C-6-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 32C-6-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 12C-6-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
15,800.00	7,053.41	15,640.83	7,047.67	250.25	247.36	-89.48	55.19	-7,866.17	624.86	127.33	497.52	1.256	Level 3
15,846.35	7,053.00	15,687.17	7,047.17	251.55	248.66	-89.47	53.57	-7,912.49	624.63	124.50	500.13	1.249	Level 2, SF



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-174.15	-29.87	-3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.15	-29.87	-3.06	30.03	23.46	6.57	4.571		
200.00	200.00	200.00	200.00	3.34	3.34	-174.15	-29.87	-3.06	30.03	23.36	6.67	4.499 CC		
300.00	299.98	300.73	300.71	3.44	3.45	141.00	-28.78	-1.67	30.17	23.28	6.89	4.376		
400.00	399.84	401.46	401.29	3.61	3.61	140.01	-25.50	2.51	30.61	23.38	7.22	4.237		
500.00	499.45	502.18	501.62	3.81	3.82	138.42	-20.05	9.47	31.35	23.70	7.65	4.098		
600.00	598.70	602.89	601.56	4.06	4.07	136.32	-12.42	19.19	32.42	24.27	8.16	3.975		
700.00	697.47	703.58	700.99	4.35	4.36	133.83	-2.63	31.68	33.86	25.13	8.74	3.876		
800.00	795.62	804.26	799.79	4.66	4.68	131.06	9.31	46.90	35.70	26.31	9.38	3.805		
817.50	812.73	821.87	817.00	4.73	4.74	130.56	11.62	49.84	36.06	26.56	9.50	3.795		
900.00	893.32	904.88	897.79	5.01	5.03	126.74	23.38	64.83	37.23	27.15	10.08	3.693		
1,000.00	991.01	1,005.08	994.61	5.38	5.42	118.51	39.28	85.11	37.72	26.89	10.82	3.485		
1,100.00	1,088.69	1,104.90	1,090.93	5.77	5.83	109.88	55.47	105.75	38.82	27.21	11.61	3.344		
1,200.00	1,186.38	1,204.73	1,187.25	6.18	6.26	101.89	71.65	126.38	40.76	28.32	12.44	3.276		
1,300.00	1,284.06	1,304.56	1,283.58	6.60	6.71	94.75	87.83	147.01	43.40	30.11	13.30	3.264		
1,400.00	1,381.75	1,404.39	1,379.90	7.03	7.17	88.52	104.02	167.64	46.64	32.47	14.17	3.291		
1,500.00	1,479.44	1,504.21	1,476.22	7.47	7.64	83.14	120.20	188.28	50.36	35.31	15.06	3.345		
1,600.00	1,577.12	1,604.04	1,572.54	7.91	8.12	78.54	136.38	208.91	54.46	38.52	15.95	3.415		
1,700.00	1,674.81	1,703.87	1,668.86	8.37	8.61	74.60	152.56	229.54	58.87	42.02	16.85	3.494		
1,800.00	1,772.49	1,803.70	1,765.19	8.82	9.10	71.23	168.75	250.18	63.51	45.75	17.75	3.577		
1,900.00	1,870.18	1,903.52	1,861.51	9.28	9.60	68.32	184.93	270.81	68.34	49.67	18.66	3.662		
2,000.00	1,967.87	2,003.35	1,957.83	9.75	10.10	65.80	201.11	291.44	73.32	53.74	19.58	3.745		
2,100.00	2,065.55	2,103.18	2,054.15	10.22	10.60	63.60	217.29	312.08	78.42	57.93	20.50	3.826		
2,200.00	2,163.24	2,203.01	2,150.47	10.69	11.11	61.68	233.48	332.71	83.63	62.21	21.42	3.904		
2,300.00	2,260.92	2,302.83	2,246.80	11.16	11.62	59.98	249.66	353.34	88.92	66.57	22.35	3.979		
2,400.00	2,358.61	2,402.66	2,343.12	11.64	12.13	58.47	265.84	373.97	94.28	71.00	23.28	4.050		
2,500.00	2,456.30	2,502.49	2,439.44	12.12	12.65	57.13	282.02	394.61	99.70	75.49	24.21	4.118		
2,600.00	2,553.98	2,602.31	2,535.76	12.59	13.16	55.93	298.21	415.24	105.16	80.02	25.15	4.182		
2,700.00	2,651.67	2,702.14	2,632.08	13.08	13.68	54.84	314.39	435.87	110.67	84.58	26.09	4.242		
2,800.00	2,749.35	2,801.97	2,728.40	13.56	14.20	53.86	330.57	456.51	116.21	89.19	27.03	4.300		
2,900.00	2,847.04	2,901.80	2,824.73	14.04	14.72	52.97	346.76	477.14	121.79	93.82	27.97	4.354		
3,000.00	2,944.72	3,001.62	2,921.05	14.52	15.25	52.15	362.94	497.77	127.39	98.47	28.92	4.405		
3,100.00	3,042.41	3,101.45	3,017.37	15.01	15.77	51.41	379.12	518.40	133.02	103.15	29.87	4.453		
3,200.00	3,140.10	3,201.28	3,113.69	15.50	16.29	50.72	395.30	539.04	138.66	107.84	30.82	4.499		
3,300.00	3,237.78	3,301.11	3,210.01	15.98	16.82	50.09	411.49	559.67	144.33	112.55	31.77	4.543		
3,400.00	3,335.47	3,400.93	3,306.34	16.47	17.35	49.51	427.67	580.30	150.01	117.28	32.72	4.584		
3,500.00	3,433.15	3,500.76	3,402.66	16.96	17.87	48.97	443.85	600.94	155.70	122.02	33.68	4.623		
3,600.00	3,530.84	3,600.59	3,498.98	17.45	18.40	48.47	460.03	621.57	161.41	126.77	34.64	4.660		
3,700.00	3,628.53	3,700.42	3,595.30	17.94	18.93	48.00	476.22	642.20	167.13	131.53	35.59	4.696		
3,800.00	3,726.21	3,800.24	3,691.62	18.43	19.46	47.56	492.40	662.84	172.85	136.30	36.55	4.729		
3,900.00	3,823.90	3,900.07	3,787.95	18.92	19.99	47.15	508.58	683.47	178.59	141.08	37.51	4.761		
4,000.00	3,921.58	4,000.10	3,884.27	19.41	20.52	46.77	524.77	704.10	184.34	145.87	38.47	4.792		
4,100.00	4,019.27	4,100.28	3,980.59	19.90	21.05	46.41	540.95	724.73	190.09	150.66	39.43	4.820		
4,200.00	4,116.96	4,200.45	4,076.91	20.39	21.58	46.07	557.13	745.37	195.86	155.46	40.40	4.848		
4,300.00	4,214.64	4,300.62	4,173.23	20.88	22.11	45.75	573.31	766.00	201.62	160.26	41.36	4.874		
4,400.00	4,312.33	4,399.75	4,270.08	21.37	22.64	45.45	589.57	786.73	207.39	165.06	42.33	4.899		
4,500.00	4,410.01	4,505.75	4,372.94	21.87	23.19	45.13	605.38	806.88	211.45	168.09	43.37	4.876		
4,600.00	4,507.70	4,611.84	4,476.76	22.36	23.71	44.82	618.83	824.03	212.63	168.26	44.38	4.792		
4,700.00	4,605.39	4,717.74	4,581.13	22.85	24.20	44.52	629.88	838.13	211.01	165.65	45.36	4.652		
4,800.00	4,703.07	4,823.15	4,685.60	23.35	24.66	44.21	638.51	849.13	206.78	160.44	46.33	4.463		
4,900.00	4,800.76	4,927.79	4,789.75	23.84	25.10	43.90	644.73	857.06	200.23	152.92	47.31	4.233		
5,000.00	4,898.44	5,031.40	4,893.17	24.33	25.50	43.59	648.57	861.95	191.82	143.52	48.31	3.971		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 12N-6B-M - OH - Plan #1											Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	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	4,996.13	5,133.73	4,995.46	24.83	25.89	62.01	650.09	863.89	182.25	132.88	49.37	3.692		
5,200.00	5,093.82	5,232.09	5,093.82	25.32	26.25	68.17	650.13	863.94	173.09	122.54	50.55	3.424		
5,300.00	5,191.50	5,329.77	5,191.50	25.82	26.60	74.89	650.13	863.94	166.16	114.40	51.75	3.211		
5,400.00	5,289.19	5,427.46	5,289.19	26.31	26.96	82.05	650.13	863.94	161.78	108.86	52.91	3.057		
5,500.00	5,386.87	5,525.15	5,386.87	26.81	27.32	89.48	650.13	863.94	160.16	106.17	53.99	2.966		
5,507.02	5,393.73	5,532.00	5,393.73	26.84	27.35	90.00	650.13	863.94	160.15	106.09	54.06	2.962		
5,600.00	5,484.56	5,622.83	5,484.56	27.30	27.68	96.92	650.13	863.94	161.38	106.42	54.96	2.936		
5,700.00	5,582.25	5,720.52	5,582.25	27.80	28.05	104.13	650.13	863.94	165.38	109.57	55.81	2.963		
5,800.00	5,679.93	5,818.20	5,679.93	28.29	28.41	110.92	650.13	863.94	171.97	115.41	56.56	3.040		
5,900.00	5,777.62	5,915.89	5,777.62	28.79	28.78	117.14	650.13	863.94	180.87	123.63	57.24	3.160		
6,000.00	5,875.30	6,013.57	5,875.30	29.28	29.15	122.75	650.13	863.94	191.74	133.87	57.87	3.313		
6,100.00	5,972.99	6,111.26	5,972.99	29.78	29.52	127.73	650.13	863.94	204.29	145.80	58.49	3.493		
6,200.00	6,070.67	6,208.95	6,070.67	30.27	29.90	132.12	650.13	863.94	218.21	159.10	59.11	3.692		
6,300.00	6,168.36	6,306.63	6,168.36	30.77	30.27	135.97	650.13	863.94	233.27	173.53	59.74	3.905		
6,400.00	6,266.05	6,404.32	6,266.05	31.26	30.65	139.36	650.13	863.94	249.25	188.86	60.40	4.127		
6,500.00	6,363.73	6,498.53	6,360.21	31.76	31.01	142.60	650.05	862.22	266.32	205.41	60.91	4.372		
6,534.50	6,397.43	6,529.04	6,390.58	31.93	31.12	144.07	649.93	859.25	272.94	211.97	60.97	4.477		
6,550.00	6,412.60	6,542.55	6,403.97	32.01	31.17	149.84	649.85	857.47	276.05	215.07	60.98	4.527		
6,600.00	6,461.82	6,585.63	6,446.37	32.24	31.33	174.46	649.52	849.91	286.37	225.42	60.96	4.698		
6,650.00	6,511.25	6,628.08	6,487.56	32.45	31.49	-153.75	649.09	839.68	296.99	236.12	60.86	4.880		
6,700.00	6,560.58	6,669.94	6,527.42	32.64	31.66	-126.20	648.54	826.93	307.73	247.04	60.70	5.070		
6,750.00	6,609.51	6,711.30	6,565.89	32.83	31.82	-108.18	647.89	811.78	318.47	258.00	60.47	5.267		
6,800.00	6,657.74	6,752.19	6,602.88	33.01	31.99	-96.73	647.14	794.39	329.07	268.87	60.19	5.467		
6,850.00	6,704.97	6,792.69	6,638.34	33.18	32.17	-88.99	646.30	774.86	339.42	279.54	59.88	5.668		
6,900.00	6,750.90	6,832.82	6,672.19	33.36	32.36	-83.40	645.38	753.32	349.42	289.87	59.54	5.868		
6,950.00	6,795.26	6,872.66	6,704.37	33.54	32.55	-79.16	644.37	729.88	358.98	299.77	59.20	6.063		
7,000.00	6,837.77	6,912.22	6,734.82	33.73	32.75	-75.85	643.28	704.65	368.02	309.14	58.88	6.250		
7,050.00	6,878.17	6,951.56	6,763.48	33.92	32.96	-73.19	642.13	677.74	376.48	317.89	58.59	6.426		
7,100.00	6,916.21	6,990.71	6,790.30	34.13	33.20	-71.04	640.90	649.26	384.29	325.93	58.36	6.585		
7,150.00	6,951.66	7,029.70	6,815.23	34.36	33.44	-69.29	639.62	619.30	391.42	333.20	58.22	6.724		
7,200.00	6,984.29	7,068.57	6,838.20	34.61	33.71	-67.87	638.27	587.98	397.80	339.63	58.17	6.838		
7,250.00	7,013.91	7,107.35	6,859.16	34.89	33.99	-66.74	636.87	555.40	403.41	345.15	58.26	6.925		
7,300.00	7,040.34	7,146.06	6,878.07	35.20	34.30	-65.85	635.42	521.66	408.21	349.73	58.48	6.980		
7,350.00	7,063.40	7,184.73	6,894.88	35.55	34.63	-65.19	633.93	486.87	412.18	353.31	58.87	7.001		
7,400.00	7,082.97	7,223.40	6,909.54	35.94	34.98	-64.73	632.39	451.13	415.30	355.87	59.43	6.988		
7,450.00	7,098.91	7,262.08	6,922.01	36.36	35.36	-64.46	630.82	414.56	417.57	357.41	60.16	6.941		
7,500.00	7,111.13	7,300.00	6,932.05	36.83	35.74	-64.37	629.25	378.03	418.96	357.91	61.05	6.862		
7,550.00	7,119.55	7,339.58	6,940.19	37.34	36.18	-64.47	627.59	339.34	419.49	357.35	62.14	6.750		
7,600.00	7,124.13	7,378.45	6,945.83	37.88	36.62	-64.73	625.94	300.92	419.15	355.77	63.38	6.613		
7,639.68	7,125.00	7,409.38	6,948.63	38.33	36.98	-65.06	624.62	270.15	418.27	353.80	64.47	6.488		
7,695.21	7,124.52	7,452.87	6,950.04	38.99	37.51	-65.29	622.75	226.73	417.47	351.51	65.97	6.328		
7,700.00	7,124.48	7,461.01	6,950.03	39.05	37.61	-65.30	622.61	223.49	417.48	351.33	66.15	6.311		
7,800.00	7,123.60	7,556.11	6,948.95	40.40	38.89	-65.29	618.32	123.59	417.85	349.24	68.61	6.090		
7,900.00	7,122.72	7,656.11	6,947.87	41.90	40.37	-65.28	614.03	23.69	418.23	346.81	71.41	5.856		
8,000.00	7,121.84	7,756.10	6,946.79	43.54	42.00	-65.28	609.74	-76.21	418.60	344.13	74.47	5.621		
8,100.00	7,120.97	7,856.10	6,945.72	45.30	43.76	-65.27	605.45	-176.11	418.97	341.21	77.76	5.388		
8,200.00	7,120.09	7,956.10	6,944.64	47.17	45.62	-65.26	601.16	-276.01	419.35	338.10	81.25	5.161		
8,300.00	7,119.21	8,056.10	6,943.56	49.13	47.59	-65.26	596.86	-375.91	419.72	334.81	84.91	4.943		
8,400.00	7,118.33	8,156.10	6,942.48	51.18	49.64	-65.25	592.57	-475.82	420.09	331.36	88.74	4.734		
8,500.00	7,117.46	8,256.10	6,941.40	53.30	51.76	-65.24	588.28	-575.72	420.47	327.78	92.69	4.536		
8,600.00	7,116.58	8,356.10	6,940.32	55.48	53.95	-65.24	583.99	-675.62	420.84	324.08	96.76	4.349		
8,700.00	7,115.70	8,456.10	6,939.24	57.72	56.20	-65.23	579.70	-775.52	421.22	320.27	100.94	4.173		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	8,556.10	6,938.17	60.02	58.51	-65.22	575.41	-875.42	421.59	316.38	105.21	4.007		
8,900.00	7,113.95	8,656.10	6,937.09	62.36	60.86	-65.22	571.11	-975.32	421.96	312.40	109.56	3.851		
9,000.00	7,113.07	8,756.10	6,936.01	64.74	63.24	-65.21	566.82	-1,075.22	422.34	308.35	113.99	3.705		
9,100.00	7,112.19	8,856.10	6,934.93	67.15	65.67	-65.20	562.53	-1,175.12	422.71	304.24	118.47	3.568		
9,200.00	7,111.31	8,956.10	6,933.85	69.60	68.13	-65.20	558.24	-1,275.03	423.08	300.07	123.01	3.439		
9,300.00	7,110.44	9,056.10	6,932.77	72.08	70.61	-65.19	553.95	-1,374.93	423.46	295.85	127.61	3.318		
9,400.00	7,109.56	9,156.09	6,931.69	74.58	73.13	-65.18	549.66	-1,474.83	423.83	291.59	132.24	3.205		
9,500.00	7,108.68	9,256.09	6,930.62	77.10	75.66	-65.18	545.36	-1,574.73	424.21	287.28	136.92	3.098		
9,600.00	7,107.81	9,356.09	6,929.54	79.65	78.22	-65.17	541.07	-1,674.63	424.58	282.94	141.64	2.998		
9,700.00	7,106.93	9,456.09	6,928.46	82.22	80.79	-65.16	536.78	-1,774.53	424.95	278.57	146.38	2.903		
9,800.00	7,106.05	9,556.09	6,927.38	84.80	83.39	-65.16	532.49	-1,874.43	425.33	274.17	151.16	2.814		
9,900.00	7,105.17	9,656.09	6,926.30	87.40	86.00	-65.15	528.20	-1,974.34	425.70	269.74	155.97	2.729		
10,000.00	7,104.30	9,756.09	6,925.22	90.02	88.62	-65.14	523.91	-2,074.24	426.08	265.28	160.79	2.650		
10,100.00	7,103.42	9,856.09	6,924.14	92.64	91.25	-65.14	519.61	-2,174.14	426.45	260.81	165.64	2.574		
10,200.00	7,102.54	9,956.09	6,923.07	95.28	93.90	-65.13	515.32	-2,274.04	426.82	256.31	170.52	2.503		
10,300.00	7,101.66	10,056.09	6,921.99	97.94	96.56	-65.12	511.03	-2,373.94	427.20	251.79	175.40	2.435		
10,400.00	7,100.79	10,156.09	6,920.91	100.60	99.23	-65.12	506.74	-2,473.84	427.57	247.26	180.31	2.371		
10,500.00	7,099.91	10,256.09	6,919.83	103.27	101.91	-65.11	502.45	-2,573.74	427.95	242.71	185.23	2.310		
10,600.00	7,099.03	10,356.09	6,918.75	105.95	104.59	-65.11	498.16	-2,673.64	428.32	238.15	190.17	2.252		
10,700.00	7,098.15	10,456.09	6,917.67	108.64	107.29	-65.10	493.86	-2,773.55	428.69	233.57	195.12	2.197		
10,800.00	7,097.28	10,556.09	6,916.60	111.33	109.99	-65.09	489.57	-2,873.45	429.07	228.98	200.08	2.144		
10,900.00	7,096.40	10,656.08	6,915.52	114.04	112.70	-65.09	485.28	-2,973.35	429.44	224.39	205.06	2.094		
11,000.00	7,095.52	10,756.08	6,914.44	116.74	115.41	-65.08	480.99	-3,073.25	429.81	219.78	210.04	2.046		
11,100.00	7,094.64	10,856.08	6,913.36	119.46	118.13	-65.07	476.70	-3,173.15	430.19	215.16	215.03	2.001		
11,200.00	7,093.77	10,956.08	6,912.28	122.18	120.86	-65.07	472.41	-3,273.05	430.56	210.53	220.04	1.957		
11,300.00	7,092.89	11,056.08	6,911.20	124.91	123.59	-65.06	468.11	-3,372.95	430.94	205.89	225.05	1.915		
11,400.00	7,092.01	11,156.08	6,910.12	127.64	126.33	-65.05	463.82	-3,472.86	431.31	201.24	230.07	1.875		
11,500.00	7,091.13	11,256.08	6,909.05	130.38	129.07	-65.05	459.53	-3,572.76	431.68	196.59	235.09	1.836		
11,600.00	7,090.26	11,356.08	6,907.97	133.12	131.81	-65.04	455.24	-3,672.66	432.06	191.93	240.12	1.799		
11,700.00	7,089.38	11,456.08	6,906.89	135.86	134.56	-65.04	450.95	-3,772.56	432.43	187.27	245.16	1.764		
11,800.00	7,088.50	11,556.08	6,905.81	138.61	137.31	-65.03	446.66	-3,872.46	432.81	182.60	250.21	1.730		
11,900.00	7,087.63	11,656.08	6,904.73	141.36	140.07	-65.02	442.36	-3,972.36	433.18	177.92	255.26	1.697		
12,000.00	7,086.75	11,756.08	6,903.65	144.12	142.83	-65.02	438.07	-4,072.26	433.55	173.24	260.32	1.665		
12,100.00	7,085.87	11,856.08	6,902.57	146.88	145.59	-65.01	433.78	-4,172.16	433.93	168.55	265.38	1.635		
12,200.00	7,084.99	11,956.08	6,901.50	149.64	148.36	-65.00	429.49	-4,272.07	434.30	163.86	270.44	1.606		
12,300.00	7,084.12	12,056.07	6,900.42	152.40	151.12	-65.00	425.20	-4,371.97	434.68	159.16	275.51	1.578		
12,400.00	7,083.24	12,156.07	6,899.34	155.17	153.89	-64.99	420.91	-4,471.87	435.05	154.46	280.59	1.551		
12,500.00	7,082.36	12,256.07	6,898.26	157.94	156.67	-64.98	416.61	-4,571.77	435.42	149.76	285.66	1.524		
12,600.00	7,081.48	12,356.07	6,897.18	160.71	159.44	-64.98	412.32	-4,671.67	435.80	145.05	290.75	1.499 Level 3		
12,700.00	7,080.61	12,456.07	6,896.10	163.49	162.22	-64.97	408.03	-4,771.57	436.17	140.34	295.83	1.474 Level 3		
12,800.00	7,079.73	12,556.07	6,895.02	166.27	165.00	-64.97	403.74	-4,871.47	436.55	135.63	300.92	1.451 Level 3		
12,900.00	7,078.85	12,656.07	6,893.95	169.04	167.78	-64.96	399.45	-4,971.38	436.92	130.91	306.01	1.428 Level 3		
13,000.00	7,077.97	12,756.07	6,892.87	171.83	170.57	-64.95	395.16	-5,071.28	437.29	126.19	311.10	1.406 Level 3		
13,100.00	7,077.10	12,856.07	6,891.79	174.61	173.35	-64.95	390.86	-5,171.18	437.67	121.47	316.20	1.384 Level 3		
13,200.00	7,076.22	12,956.07	6,890.71	177.39	176.14	-64.94	386.57	-5,271.08	438.04	116.74	321.30	1.363 Level 3		
13,300.00	7,075.34	13,056.07	6,889.63	180.18	178.93	-64.94	382.28	-5,370.98	438.42	112.02	326.40	1.343 Level 3		
13,400.00	7,074.46	13,156.07	6,888.55	182.97	181.72	-64.93	377.99	-5,470.88	438.79	107.29	331.50	1.324 Level 3		
13,500.00	7,073.59	13,256.07	6,887.48	185.76	184.51	-64.92	373.70	-5,570.78	439.16	102.56	336.61	1.305 Level 3		
13,600.00	7,072.71	13,356.07	6,886.40	188.55	187.30	-64.92	369.41	-5,670.68	439.54	97.82	341.72	1.286 Level 3		
13,700.00	7,071.83	13,456.06	6,885.32	191.34	190.10	-64.91	365.11	-5,770.59	439.91	93.09	346.83	1.268 Level 3		
13,800.00	7,070.95	13,556.06	6,884.24	194.14	192.89	-64.90	360.82	-5,870.49	440.29	88.35	351.94	1.251 Level 3		
13,900.00	7,070.08	13,656.06	6,883.16	196.93	195.69	-64.90	356.53	-5,970.39	440.66	83.61	357.05	1.234 Level 2		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	13,756.06	6,882.08	199.73	198.49	-64.89	352.24	-6,070.29	441.03	78.87	362.17	1.218	Level 2	
14,100.00	7,068.32	13,856.06	6,881.00	202.53	201.29	-64.89	347.95	-6,170.19	441.41	74.13	367.28	1.202	Level 2	
14,200.00	7,067.45	13,956.06	6,879.93	205.33	204.09	-64.88	343.66	-6,270.09	441.78	69.38	372.40	1.186	Level 2	
14,300.00	7,066.57	14,056.06	6,878.85	208.13	206.89	-64.87	339.36	-6,369.99	442.16	64.64	377.52	1.171	Level 2	
14,400.00	7,065.69	14,156.06	6,877.77	210.93	209.69	-64.87	335.07	-6,469.90	442.53	59.89	382.64	1.157	Level 2	
14,500.00	7,064.81	14,256.06	6,876.69	213.73	212.50	-64.86	330.78	-6,569.80	442.91	55.14	387.76	1.142	Level 2	
14,600.00	7,063.94	14,356.06	6,875.61	216.54	215.30	-64.86	326.49	-6,669.70	443.28	50.39	392.88	1.128	Level 2	
14,700.00	7,063.06	14,456.06	6,874.53	219.34	218.11	-64.85	322.20	-6,769.60	443.65	45.64	398.01	1.115	Level 2	
14,800.00	7,062.18	14,556.06	6,873.45	222.15	220.91	-64.84	317.91	-6,869.50	444.03	40.89	403.13	1.101	Level 2	
14,900.00	7,061.30	14,656.06	6,872.38	224.95	223.72	-64.84	313.61	-6,969.40	444.40	36.14	408.26	1.089	Level 2	
15,000.00	7,060.43	14,756.06	6,871.30	227.76	226.53	-64.83	309.32	-7,069.30	444.78	31.39	413.39	1.076	Level 2	
15,100.00	7,059.55	14,856.05	6,870.22	230.57	229.34	-64.83	305.03	-7,169.20	445.15	26.63	418.52	1.064	Level 2	
15,200.00	7,058.67	14,956.05	6,869.14	233.38	232.15	-64.82	300.74	-7,269.11	445.52	21.88	423.64	1.052	Level 2	
15,300.00	7,057.79	15,056.05	6,868.06	236.19	234.96	-64.81	296.45	-7,369.01	445.90	17.12	428.77	1.040	Level 2	
15,400.00	7,056.92	15,156.05	6,866.98	239.00	237.77	-64.81	292.16	-7,468.91	446.27	12.37	433.90	1.029	Level 2	
15,500.00	7,056.04	15,256.05	6,865.90	241.81	240.58	-64.80	287.86	-7,568.81	446.65	7.61	439.04	1.017	Level 2	
15,600.00	7,055.16	15,356.05	6,864.83	244.62	243.39	-64.80	283.57	-7,668.71	447.02	2.85	444.17	1.006	Level 2	
15,700.00	7,054.28	15,456.05	6,863.75	247.43	246.20	-64.79	279.28	-7,768.61	447.40	-1.91	449.30	0.996	Level 1	
15,800.00	7,053.41	15,556.05	6,862.67	250.25	249.02	-64.78	274.99	-7,868.51	447.77	-6.66	454.43	0.985	Level 1	
15,846.35	7,053.00	15,602.40	6,862.17	251.55	250.32	-64.78	273.00	-7,914.82	447.94	-8.87	456.81	0.981	Level 1, ES, SF	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-174.37	-104.55	-10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.37	-104.55	-10.30	105.06	98.49	6.57	15.992		
200.00	200.00	200.00	200.00	3.34	3.34	-174.37	-104.55	-10.30	105.06	98.39	6.67	15.742 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	141.68	-104.55	-10.30	106.42	99.53	6.89	15.447		
400.00	399.84	398.76	398.74	3.61	3.60	142.44	-105.24	-8.74	111.06	103.86	7.20	15.420		
500.00	499.45	497.28	497.13	3.81	3.79	142.51	-107.28	-4.08	119.45	111.84	7.60	15.712		
600.00	598.70	595.32	594.79	4.06	4.02	142.01	-110.66	3.63	131.56	123.47	8.08	16.274		
700.00	697.47	692.64	691.41	4.35	4.28	141.11	-115.33	14.31	147.38	138.75	8.64	17.068		
800.00	795.62	789.06	786.68	4.66	4.58	139.97	-121.26	27.85	166.91	157.66	9.25	18.050		
817.50	812.73	805.82	803.20	4.73	4.63	139.75	-122.42	30.50	170.71	161.34	9.36	18.231		
900.00	893.32	884.53	880.48	5.01	4.90	138.73	-128.39	44.14	189.25	179.34	9.91	19.100		
1,000.00	991.01	979.20	972.85	5.38	5.26	136.99	-136.70	63.11	212.85	202.24	10.61	20.063		
1,100.00	1,088.69	1,072.87	1,063.53	5.77	5.64	134.90	-146.12	84.62	237.85	226.50	11.35	20.960		
1,200.00	1,186.38	1,167.56	1,154.53	6.18	6.05	132.66	-156.63	108.61	264.20	252.08	12.13	21.789		
1,300.00	1,284.06	1,263.49	1,246.64	6.60	6.50	130.75	-167.38	133.14	291.00	278.06	12.94	22.488		
1,400.00	1,381.75	1,359.42	1,338.76	7.03	6.96	129.17	-178.12	157.67	318.04	304.26	13.78	23.083		
1,500.00	1,479.44	1,455.35	1,430.87	7.47	7.43	127.83	-188.86	182.20	345.28	330.64	14.64	23.592		
1,600.00	1,577.12	1,551.28	1,522.99	7.91	7.92	126.69	-199.61	206.73	372.66	357.15	15.51	24.029		
1,700.00	1,674.81	1,647.21	1,615.11	8.37	8.41	125.70	-210.35	231.26	400.17	383.77	16.40	24.407		
1,800.00	1,772.49	1,743.14	1,707.22	8.82	8.92	124.84	-221.09	255.79	427.77	410.47	17.29	24.734		
1,900.00	1,870.18	1,839.07	1,799.34	9.28	9.43	124.09	-231.83	280.32	455.44	437.24	18.20	25.020		
2,000.00	1,967.87	1,935.00	1,891.45	9.75	9.95	123.42	-242.58	304.85	483.19	464.07	19.12	25.271		
2,100.00	2,065.55	2,030.93	1,983.57	10.22	10.47	122.82	-253.32	329.38	510.99	490.94	20.04	25.492		
2,200.00	2,163.24	2,126.86	2,075.69	10.69	10.99	122.28	-264.06	353.91	538.83	517.85	20.98	25.688		
2,300.00	2,260.92	2,222.79	2,167.80	11.16	11.52	121.80	-274.81	378.44	566.71	544.80	21.91	25.863		
2,400.00	2,358.61	2,318.72	2,259.92	11.64	12.05	121.36	-285.55	402.97	594.63	571.78	22.85	26.019		
2,500.00	2,456.30	2,414.65	2,352.03	12.12	12.59	120.97	-296.29	427.50	622.58	598.78	23.80	26.159		
2,600.00	2,553.98	2,510.58	2,444.15	12.59	13.12	120.60	-307.03	452.03	650.55	625.80	24.75	26.286		
2,700.00	2,651.67	2,606.51	2,536.27	13.08	13.66	120.27	-317.78	476.56	678.54	652.84	25.70	26.400		
2,800.00	2,749.35	2,702.43	2,628.38	13.56	14.20	119.96	-328.52	501.09	706.56	679.90	26.66	26.504		
2,900.00	2,847.04	2,798.36	2,720.50	14.04	14.75	119.67	-339.26	525.62	734.59	706.97	27.62	26.599		
3,000.00	2,944.72	2,905.71	2,812.61	14.52	15.35	119.41	-350.01	550.15	762.63	733.99	28.64	26.630		
3,100.00	3,042.41	2,990.22	2,904.73	15.01	15.84	119.17	-360.75	574.68	790.69	761.15	29.54	26.765		
3,200.00	3,140.10	3,086.15	2,996.85	15.50	16.38	118.94	-371.49	599.21	818.77	788.26	30.51	26.838		
3,300.00	3,237.78	3,182.08	3,088.96	15.98	16.93	118.73	-382.23	623.74	846.85	815.38	31.47	26.906		
3,400.00	3,335.47	3,278.01	3,181.08	16.47	17.48	118.53	-392.98	648.27	874.94	842.50	32.44	26.968		
3,500.00	3,433.15	3,392.89	3,291.81	16.96	18.12	118.38	-405.24	676.25	902.25	868.65	33.60	26.853		
3,600.00	3,530.84	3,514.32	3,410.07	17.45	18.75	118.49	-416.27	701.46	927.04	892.26	34.78	26.656		
3,700.00	3,628.53	3,637.10	3,530.72	17.94	19.35	118.83	-425.38	722.25	949.22	913.30	35.92	26.428		
3,800.00	3,726.21	3,760.80	3,653.15	18.43	19.90	119.41	-432.45	738.40	968.80	931.78	37.02	26.172		
3,900.00	3,823.90	3,884.97	3,776.69	18.92	20.43	120.21	-437.41	749.72	985.82	947.75	38.07	25.893		
4,000.00	3,921.58	4,009.14	3,900.66	19.41	20.91	121.22	-440.21	756.12	1,000.40	961.31	39.08	25.595		
4,100.00	4,019.27	4,127.77	4,019.27	19.90	21.33	122.38	-440.90	757.70	1,012.71	972.67	40.03	25.298		
4,200.00	4,116.96	4,225.45	4,116.96	20.39	21.66	123.38	-440.90	757.70	1,024.51	983.62	40.89	25.055		
4,300.00	4,214.64	4,323.14	4,214.64	20.88	22.00	124.35	-440.90	757.70	1,036.62	994.87	41.75	24.830		
4,400.00	4,312.33	4,420.83	4,312.33	21.37	22.34	125.30	-440.90	757.70	1,049.03	1,006.42	42.61	24.621		
4,500.00	4,410.01	4,518.51	4,410.01	21.87	22.69	126.23	-440.90	757.70	1,061.72	1,018.25	43.47	24.426		
4,600.00	4,507.70	4,616.20	4,507.70	22.36	23.03	127.13	-440.90	757.70	1,074.69	1,030.36	44.33	24.245		
4,700.00	4,605.39	4,713.88	4,605.39	22.85	23.38	128.02	-440.90	757.70	1,087.92	1,042.74	45.18	24.077		
4,800.00	4,703.07	4,811.57	4,703.07	23.35	23.73	128.88	-440.90	757.70	1,101.42	1,055.37	46.04	23.921		
4,900.00	4,800.76	4,909.26	4,800.76	23.84	24.09	129.73	-440.90	757.70	1,115.15	1,068.25	46.90	23.776		
5,000.00	4,898.44	5,006.94	4,898.44	24.33	24.44	130.55	-440.90	757.70	1,129.13	1,081.37	47.76	23.641		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,996.13	5,104.63	4,996.13	24.83	24.80	131.35	-440.90	757.70	1,143.34	1,094.72	48.62	23.516		
5,200.00	5,093.82	5,202.31	5,093.82	25.32	25.16	132.14	-440.90	757.70	1,157.76	1,108.28	49.48	23.400		
5,300.00	5,191.50	5,300.00	5,191.50	25.82	25.53	132.90	-440.90	757.70	1,172.40	1,122.06	50.34	23.291		
5,400.00	5,289.19	5,402.31	5,289.19	26.31	25.91	133.65	-440.90	757.70	1,187.24	1,136.03	51.21	23.183		
5,500.00	5,386.87	5,504.63	5,386.87	26.81	26.29	134.38	-440.90	757.70	1,202.29	1,150.20	52.09	23.081		
5,600.00	5,484.56	5,606.94	5,484.56	27.30	26.68	135.09	-440.90	757.70	1,217.52	1,164.55	52.97	22.987		
5,700.00	5,582.25	5,709.26	5,582.25	27.80	27.07	135.79	-440.90	757.70	1,232.93	1,179.09	53.84	22.899		
5,800.00	5,679.93	5,788.43	5,679.93	28.29	27.37	136.46	-440.90	757.70	1,248.52	1,193.89	54.63	22.854		
5,900.00	5,777.62	5,886.12	5,777.62	28.79	27.74	137.12	-440.90	757.70	1,264.28	1,208.79	55.49	22.785		
6,000.00	5,875.30	5,983.80	5,875.30	29.28	28.12	137.77	-440.90	757.70	1,280.20	1,223.86	56.35	22.720		
6,100.00	5,972.99	6,081.49	5,972.99	29.78	28.50	138.40	-440.90	757.70	1,296.28	1,239.08	57.21	22.660		
6,200.00	6,070.67	6,179.17	6,070.67	30.27	28.88	139.01	-440.90	757.70	1,312.52	1,254.45	58.06	22.604		
6,300.00	6,168.36	6,276.86	6,168.36	30.77	29.26	139.61	-440.90	757.70	1,328.89	1,269.97	58.92	22.553		
6,400.00	6,266.05	6,374.55	6,266.05	31.26	29.64	140.19	-440.90	757.70	1,345.41	1,285.63	59.78	22.505		
6,500.00	6,363.73	6,472.23	6,363.73	31.76	30.02	140.76	-440.90	757.70	1,362.07	1,301.42	60.64	22.460		
6,534.50	6,397.43	6,505.93	6,397.43	31.93	30.15	140.96	-440.90	757.70	1,367.84	1,306.90	60.94	22.446		
6,550.00	6,412.60	6,521.10	6,412.60	32.01	30.21	146.08	-440.90	757.70	1,370.42	1,309.35	61.07	22.439		
6,600.00	6,461.82	6,570.32	6,461.82	32.24	30.40	168.60	-440.90	757.70	1,378.41	1,316.92	61.49	22.416		
6,650.00	6,511.25	6,619.75	6,511.25	32.45	30.60	-161.67	-440.90	757.70	1,385.85	1,323.95	61.90	22.389		
6,700.00	6,560.58	6,662.26	6,560.58	32.64	30.76	-136.09	-440.92	757.31	1,392.77	1,330.52	62.25	22.374		
6,750.00	6,609.51	6,700.00	6,591.41	32.83	30.90	-119.87	-441.00	754.87	1,399.45	1,336.90	62.56	22.371		
6,800.00	6,657.74	6,738.10	6,629.21	33.01	31.05	-110.05	-441.15	750.15	1,405.90	1,343.03	62.87	22.364		
6,850.00	6,704.97	6,776.28	6,666.74	33.18	31.19	-103.78	-441.37	743.17	1,412.07	1,348.89	63.18	22.350		
6,900.00	6,750.90	6,814.69	6,704.01	33.36	31.35	-99.52	-441.67	733.88	1,417.94	1,354.44	63.50	22.329		
6,950.00	6,795.26	6,853.37	6,740.90	33.54	31.50	-96.49	-442.05	722.28	1,423.49	1,359.65	63.84	22.298		
7,000.00	6,837.77	6,892.36	6,777.30	33.73	31.67	-94.26	-442.50	708.34	1,428.70	1,364.50	64.20	22.254		
7,050.00	6,878.17	6,931.71	6,813.10	33.92	31.84	-92.58	-443.03	692.04	1,433.55	1,368.96	64.59	22.196		
7,100.00	6,916.21	6,971.46	6,848.18	34.13	32.02	-91.32	-443.63	673.36	1,438.02	1,373.01	65.01	22.121		
7,150.00	6,951.66	7,011.65	6,882.39	34.36	32.21	-90.38	-444.31	652.29	1,442.09	1,376.62	65.47	22.028		
7,200.00	6,984.29	7,052.35	6,915.61	34.61	32.42	-89.68	-445.07	628.80	1,445.76	1,379.79	65.98	21.913		
7,250.00	7,013.91	7,093.60	6,947.67	34.89	32.65	-89.20	-445.91	602.87	1,449.02	1,382.48	66.54	21.776		
7,300.00	7,040.34	7,135.47	6,978.43	35.20	32.90	-88.91	-446.83	574.49	1,451.87	1,384.69	67.17	21.614		
7,350.00	7,063.40	7,178.01	7,007.70	35.55	33.17	-88.77	-447.82	543.65	1,454.28	1,386.42	67.87	21.428		
7,400.00	7,082.97	7,221.29	7,035.30	35.94	33.47	-88.77	-448.90	510.34	1,456.28	1,387.64	68.64	21.217		
7,450.00	7,098.91	7,265.37	7,061.02	36.36	33.80	-88.90	-450.06	474.56	1,457.85	1,388.37	69.48	20.982		
7,500.00	7,111.13	7,310.34	7,084.63	36.83	34.16	-89.16	-451.29	436.32	1,458.99	1,388.60	70.40	20.725		
7,550.00	7,119.55	7,356.27	7,105.90	37.34	34.57	-89.54	-452.61	395.65	1,459.72	1,388.33	71.39	20.447		
7,600.00	7,124.13	7,403.23	7,124.57	37.88	35.01	-90.02	-454.00	352.59	1,460.02	1,387.57	72.45	20.152		
7,639.68	7,125.00	7,441.30	7,137.33	38.33	35.41	-90.49	-455.16	316.75	1,459.97	1,386.62	73.35	19.905		
7,700.00	7,124.48	7,501.39	7,153.05	39.05	36.07	-91.12	-457.03	258.81	1,459.76	1,384.95	74.80	19.515		
7,800.00	7,123.60	7,606.48	7,167.19	40.40	37.34	-91.71	-460.39	154.84	1,459.37	1,381.87	77.50	18.831		
7,900.00	7,122.72	7,709.43	7,167.13	41.90	38.71	-91.75	-463.72	51.97	1,458.65	1,378.23	80.42	18.137		
8,000.00	7,121.84	7,809.43	7,165.69	43.54	40.19	-91.73	-466.95	-47.96	1,457.89	1,374.31	83.58	17.442		
8,100.00	7,120.97	7,909.42	7,164.25	45.30	41.82	-91.71	-470.18	-147.90	1,457.14	1,370.13	87.00	16.748		
8,200.00	7,120.09	8,009.42	7,162.80	47.17	43.57	-91.68	-473.41	-247.83	1,456.38	1,365.73	90.65	16.066		
8,300.00	7,119.21	8,109.42	7,161.36	49.13	45.44	-91.66	-476.64	-347.76	1,455.62	1,361.12	94.50	15.404		
8,400.00	7,118.33	8,209.41	7,159.92	51.18	47.40	-91.64	-479.87	-447.69	1,454.86	1,356.34	98.52	14.767		
8,500.00	7,117.46	8,309.41	7,158.48	53.30	49.46	-91.62	-483.10	-547.63	1,454.10	1,351.39	102.71	14.157		
8,600.00	7,116.58	8,409.40	7,157.03	55.48	51.59	-91.60	-486.34	-647.56	1,453.34	1,346.31	107.03	13.578		
8,700.00	7,115.70	8,509.40	7,155.59	57.72	53.78	-91.58	-489.57	-747.49	1,452.58	1,341.11	111.48	13.030		
8,800.00	7,114.82	8,609.39	7,154.15	60.02	56.03	-91.56	-492.80	-847.43	1,451.83	1,335.80	116.03	12.512		
8,900.00	7,113.95	8,709.39	7,152.70	62.36	58.34	-91.53	-496.03	-947.36	1,451.07	1,330.39	120.68	12.024		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,113.07	8,809.39	7,151.26	64.74	60.69	-91.51	-499.26	-1,047.29	1,450.31	1,324.90	125.42	11.564		
9,100.00	7,112.19	8,909.38	7,149.82	67.15	63.08	-91.49	-502.49	-1,147.23	1,449.55	1,319.33	130.23	11.131		
9,200.00	7,111.31	9,009.38	7,148.37	69.60	65.51	-91.47	-505.72	-1,247.16	1,448.80	1,313.69	135.11	10.723		
9,300.00	7,110.44	9,109.37	7,146.93	72.08	67.97	-91.45	-508.95	-1,347.09	1,448.04	1,308.00	140.05	10.340		
9,400.00	7,109.56	9,209.37	7,145.49	74.58	70.46	-91.43	-512.18	-1,447.02	1,447.28	1,302.24	145.04	9.979		
9,500.00	7,108.68	9,309.36	7,144.05	77.10	72.98	-91.40	-515.41	-1,546.96	1,446.53	1,296.44	150.08	9.638		
9,600.00	7,107.81	9,409.36	7,142.60	79.65	75.52	-91.38	-518.64	-1,646.89	1,445.77	1,290.60	155.17	9.317		
9,700.00	7,106.93	9,509.36	7,141.16	82.22	78.08	-91.36	-521.87	-1,746.82	1,445.02	1,284.72	160.30	9.015		
9,800.00	7,106.05	9,609.35	7,139.72	84.80	80.66	-91.34	-525.10	-1,846.76	1,444.26	1,278.80	165.46	8.729		
9,900.00	7,105.17	9,709.35	7,138.27	87.40	83.25	-91.32	-528.33	-1,946.69	1,443.51	1,272.84	170.66	8.458		
10,000.00	7,104.30	9,809.34	7,136.83	90.02	85.87	-91.30	-531.57	-2,046.62	1,442.75	1,266.86	175.89	8.203		
10,100.00	7,103.42	9,909.34	7,135.39	92.64	88.49	-91.27	-534.80	-2,146.56	1,441.99	1,260.85	181.14	7.961		
10,200.00	7,102.54	10,009.33	7,133.94	95.28	91.13	-91.25	-538.03	-2,246.49	1,441.24	1,254.82	186.42	7.731		
10,300.00	7,101.66	10,109.33	7,132.50	97.94	93.79	-91.23	-541.26	-2,346.42	1,440.49	1,248.76	191.73	7.513		
10,400.00	7,100.79	10,209.32	7,131.06	100.60	96.45	-91.21	-544.49	-2,446.35	1,439.73	1,242.68	197.05	7.306		
10,500.00	7,099.91	10,309.32	7,129.62	103.27	99.12	-91.19	-547.72	-2,546.29	1,438.98	1,236.58	202.40	7.110		
10,600.00	7,099.03	10,409.32	7,128.17	105.95	101.80	-91.16	-550.95	-2,646.22	1,438.22	1,230.47	207.76	6.923		
10,700.00	7,098.15	10,509.31	7,126.73	108.64	104.49	-91.14	-554.18	-2,746.15	1,437.47	1,224.33	213.14	6.744		
10,800.00	7,097.28	10,609.31	7,125.29	111.33	107.19	-91.12	-557.41	-2,846.09	1,436.72	1,218.18	218.53	6.574		
10,900.00	7,096.40	10,709.30	7,123.84	114.04	109.90	-91.10	-560.64	-2,946.02	1,435.96	1,212.02	223.94	6.412		
11,000.00	7,095.52	10,809.30	7,122.40	116.74	112.61	-91.08	-563.87	-3,045.95	1,435.21	1,205.85	229.36	6.257		
11,100.00	7,094.64	10,909.29	7,120.96	119.46	115.33	-91.05	-567.10	-3,145.89	1,434.46	1,199.66	234.80	6.109		
11,200.00	7,093.77	11,009.29	7,119.51	122.18	118.05	-91.03	-570.33	-3,245.82	1,433.70	1,193.46	240.24	5.968		
11,300.00	7,092.89	11,109.29	7,118.07	124.91	120.78	-91.01	-573.56	-3,345.75	1,432.95	1,187.25	245.70	5.832		
11,400.00	7,092.01	11,209.28	7,116.63	127.64	123.52	-90.99	-576.80	-3,445.69	1,432.20	1,181.03	251.17	5.702		
11,500.00	7,091.13	11,309.28	7,115.18	130.38	126.26	-90.97	-580.03	-3,545.62	1,431.45	1,174.80	256.64	5.578		
11,600.00	7,090.26	11,409.27	7,113.74	133.12	129.00	-90.94	-583.26	-3,645.55	1,430.69	1,168.57	262.13	5.458		
11,700.00	7,089.38	11,509.27	7,112.30	135.86	131.75	-90.92	-586.49	-3,745.48	1,429.94	1,162.32	267.62	5.343		
11,800.00	7,088.50	11,609.26	7,110.86	138.61	134.51	-90.90	-589.72	-3,845.42	1,429.19	1,156.07	273.12	5.233		
11,900.00	7,087.63	11,709.26	7,109.41	141.36	137.26	-90.88	-592.95	-3,945.35	1,428.44	1,149.81	278.63	5.127		
12,000.00	7,086.75	11,809.25	7,107.97	144.12	140.02	-90.86	-596.18	-4,045.28	1,427.69	1,143.54	284.15	5.024		
12,100.00	7,085.87	11,909.25	7,106.53	146.88	142.78	-90.83	-599.41	-4,145.22	1,426.94	1,137.27	289.67	4.926		
12,200.00	7,084.99	12,009.25	7,105.08	149.64	145.55	-90.81	-602.64	-4,245.15	1,426.19	1,130.99	295.20	4.831		
12,300.00	7,084.12	12,109.24	7,103.64	152.40	148.32	-90.79	-605.87	-4,345.08	1,425.44	1,124.71	300.73	4.740		
12,400.00	7,083.24	12,209.24	7,102.20	155.17	151.09	-90.77	-609.10	-4,445.02	1,424.69	1,118.42	306.27	4.652		
12,500.00	7,082.36	12,309.23	7,100.75	157.94	153.87	-90.74	-612.33	-4,544.95	1,423.94	1,112.12	311.81	4.567		
12,600.00	7,081.48	12,409.23	7,099.31	160.71	156.64	-90.72	-615.56	-4,644.88	1,423.19	1,105.82	317.36	4.484		
12,700.00	7,080.61	12,509.22	7,097.87	163.49	159.42	-90.70	-618.79	-4,744.81	1,422.44	1,099.52	322.92	4.405		
12,800.00	7,079.73	12,609.22	7,096.43	166.27	162.21	-90.68	-622.03	-4,844.75	1,421.69	1,093.21	328.48	4.328		
12,900.00	7,078.85	12,709.22	7,094.98	169.04	164.99	-90.65	-625.26	-4,944.68	1,420.94	1,086.90	334.04	4.254		
13,000.00	7,077.97	12,809.21	7,093.54	171.83	167.77	-90.63	-628.49	-5,044.61	1,420.19	1,080.58	339.61	4.182		
13,100.00	7,077.10	12,909.21	7,092.10	174.61	170.56	-90.61	-631.72	-5,144.55	1,419.44	1,074.26	345.18	4.112		
13,200.00	7,076.22	13,009.20	7,090.65	177.39	173.35	-90.59	-634.95	-5,244.48	1,418.69	1,067.94	350.75	4.045		
13,300.00	7,075.34	13,109.20	7,089.21	180.18	176.14	-90.56	-638.18	-5,344.41	1,417.95	1,061.61	356.33	3.979		
13,400.00	7,074.46	13,209.19	7,087.77	182.97	178.94	-90.54	-641.41	-5,444.35	1,417.20	1,055.29	361.91	3.916		
13,500.00	7,073.59	13,309.19	7,086.32	185.76	181.73	-90.52	-644.64	-5,544.28	1,416.45	1,048.95	367.50	3.854		
13,600.00	7,072.71	13,409.19	7,084.88	188.55	184.53	-90.50	-647.87	-5,644.21	1,415.70	1,042.62	373.08	3.795		
13,700.00	7,071.83	13,509.18	7,083.44	191.34	187.32	-90.47	-651.10	-5,744.14	1,414.95	1,036.28	378.67	3.737		
13,800.00	7,070.95	13,609.18	7,082.00	194.14	190.12	-90.45	-654.33	-5,844.08	1,414.21	1,029.94	384.27	3.680		
13,900.00	7,070.08	13,709.17	7,080.55	196.93	192.92	-90.43	-657.56	-5,944.01	1,413.46	1,023.60	389.86	3.626		
14,000.00	7,069.20	13,809.17	7,079.11	199.73	195.72	-90.41	-660.79	-6,043.94	1,412.71	1,017.26	395.46	3.572		
14,100.00	7,068.32	13,909.16	7,077.67	202.53	198.53	-90.38	-664.02	-6,143.88	1,411.97	1,010.91	401.06	3.521		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,067.45	14,009.16	7,076.22	205.33	201.33	-90.36	-667.26	-6,243.81	1,411.22	1,004.56	406.66	3.470		
14,300.00	7,066.57	14,109.15	7,074.78	208.13	204.13	-90.34	-670.49	-6,343.74	1,410.48	998.21	412.27	3.421		
14,400.00	7,065.69	14,209.15	7,073.34	210.93	206.94	-90.31	-673.72	-6,443.68	1,409.73	991.86	417.87	3.374		
14,500.00	7,064.81	14,309.15	7,071.89	213.73	209.75	-90.29	-676.95	-6,543.61	1,408.98	985.50	423.48	3.327		
14,600.00	7,063.94	14,409.14	7,070.45	216.54	212.55	-90.27	-680.18	-6,643.54	1,408.24	979.15	429.09	3.282		
14,700.00	7,063.06	14,509.14	7,069.01	219.34	215.36	-90.25	-683.41	-6,743.47	1,407.49	972.79	434.70	3.238		
14,800.00	7,062.18	14,609.13	7,067.57	222.15	218.17	-90.22	-686.64	-6,843.41	1,406.75	966.43	440.32	3.195		
14,900.00	7,061.30	14,709.13	7,066.12	224.95	220.98	-90.20	-689.87	-6,943.34	1,406.00	960.07	445.94	3.153		
15,000.00	7,060.43	14,809.12	7,064.68	227.76	223.79	-90.18	-693.10	-7,043.27	1,405.26	953.71	451.55	3.112		
15,100.00	7,059.55	14,909.12	7,063.24	230.57	226.61	-90.15	-696.33	-7,143.21	1,404.52	947.34	457.17	3.072		
15,200.00	7,058.67	15,009.12	7,061.79	233.38	229.42	-90.13	-699.56	-7,243.14	1,403.77	940.98	462.79	3.033		
15,300.00	7,057.79	15,109.11	7,060.35	236.19	232.23	-90.11	-702.79	-7,343.07	1,403.03	934.61	468.41	2.995		
15,400.00	7,056.92	15,209.11	7,058.91	239.00	235.05	-90.09	-706.02	-7,443.01	1,402.28	928.25	474.04	2.958		
15,500.00	7,056.04	15,309.10	7,057.46	241.81	237.86	-90.06	-709.25	-7,542.94	1,401.54	921.88	479.66	2.922		
15,600.00	7,055.16	15,409.10	7,056.02	244.62	240.68	-90.04	-712.49	-7,642.87	1,400.80	915.51	485.29	2.887		
15,700.00	7,054.28	15,509.09	7,054.58	247.43	243.49	-90.02	-715.72	-7,742.81	1,400.06	909.14	490.92	2.852		
15,800.00	7,053.41	15,609.09	7,053.14	250.25	246.31	-89.99	-718.95	-7,842.74	1,399.31	902.77	496.54	2.818		
15,846.35	7,053.00	15,655.44	7,052.47	251.55	247.62	-89.98	-720.44	-7,889.06	1,398.97	899.82	499.15	2.803 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-174.32	-89.62	-8.91	90.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-89.62	-8.91	90.06	83.49	6.57	13.709		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-89.62	-8.91	90.06	83.39	6.67	13.494 CC, ES		
300.00	299.98	299.79	299.77	3.44	3.44	140.74	-89.89	-7.19	91.52	84.64	6.89	13.290		
400.00	399.84	399.43	399.27	3.61	3.60	139.55	-90.70	-2.05	95.93	88.73	7.20	13.324		
500.00	499.45	498.77	498.23	3.81	3.80	137.79	-92.05	6.47	103.35	95.74	7.61	13.584		
600.00	598.70	602.26	596.47	4.06	4.06	135.72	-93.93	18.29	113.83	105.72	8.11	14.033		
700.00	697.47	703.17	694.67	4.35	4.34	134.49	-96.00	31.39	127.07	118.38	8.68	14.636		
800.00	795.62	804.41	792.54	4.66	4.66	134.44	-98.07	44.44	142.74	133.42	9.32	15.322		
817.50	812.73	812.83	809.62	4.73	4.68	134.53	-98.43	46.72	145.73	136.32	9.40	15.496		
900.00	893.32	905.93	890.13	5.01	5.00	135.14	-100.13	57.45	160.02	150.01	10.00	16.000		
1,000.00	991.01	1,007.46	987.71	5.38	5.36	135.74	-102.19	70.47	177.35	166.63	10.72	16.537		
1,100.00	1,088.69	1,108.99	1,085.30	5.77	5.74	136.24	-104.25	83.48	194.70	183.22	11.48	16.958		
1,200.00	1,186.38	1,189.48	1,182.88	6.18	6.06	136.66	-106.31	96.50	212.07	199.88	12.18	17.404		
1,300.00	1,284.06	1,287.95	1,280.47	6.60	6.45	137.01	-108.37	109.51	229.44	216.46	12.98	17.678		
1,400.00	1,381.75	1,386.42	1,378.05	7.03	6.84	137.31	-110.43	122.52	246.82	233.03	13.79	17.897		
1,500.00	1,479.44	1,484.89	1,475.64	7.47	7.25	137.58	-112.50	135.54	264.21	249.59	14.62	18.073		
1,600.00	1,577.12	1,583.36	1,573.22	7.91	7.66	137.81	-114.56	148.55	281.60	266.14	15.46	18.215		
1,700.00	1,674.81	1,681.83	1,670.81	8.37	8.08	138.01	-116.62	161.57	298.99	282.68	16.31	18.330		
1,800.00	1,772.49	1,780.30	1,768.39	8.82	8.50	138.19	-118.68	174.58	316.39	299.22	17.17	18.423		
1,900.00	1,870.18	1,878.77	1,865.97	9.28	8.93	138.36	-120.74	187.60	333.79	315.75	18.04	18.500		
2,000.00	1,967.87	1,977.24	1,963.56	9.75	9.36	138.50	-122.80	200.61	351.19	332.28	18.92	18.563		
2,100.00	2,065.55	2,075.71	2,061.14	10.22	9.79	138.64	-124.86	213.63	368.60	348.80	19.80	18.615		
2,200.00	2,163.24	2,174.18	2,158.73	10.69	10.23	138.76	-126.93	226.64	386.01	365.32	20.69	18.658		
2,300.00	2,260.92	2,272.65	2,256.31	11.16	10.66	138.87	-128.99	239.65	403.42	381.84	21.58	18.693		
2,400.00	2,358.61	2,371.12	2,353.90	11.64	11.10	138.97	-131.05	252.67	420.83	398.35	22.48	18.723		
2,500.00	2,456.30	2,469.59	2,451.48	12.12	11.54	139.06	-133.11	265.68	438.24	414.86	23.38	18.747		
2,600.00	2,553.98	2,568.06	2,549.07	12.59	11.98	139.15	-135.17	278.70	455.65	431.37	24.28	18.767		
2,700.00	2,651.67	2,666.53	2,646.65	13.08	12.43	139.23	-137.23	291.71	473.06	447.88	25.19	18.783		
2,800.00	2,749.35	2,765.00	2,744.24	13.56	12.87	139.30	-139.29	304.73	490.48	464.38	26.09	18.797		
2,900.00	2,847.04	2,863.47	2,841.82	14.04	13.32	139.37	-141.35	317.74	507.89	480.89	27.00	18.808		
3,000.00	2,944.72	2,961.94	2,939.41	14.52	13.76	139.44	-143.42	330.76	525.31	497.39	27.92	18.817		
3,100.00	3,042.41	3,060.41	3,036.99	15.01	14.21	139.50	-145.48	343.77	542.72	513.89	28.83	18.825		
3,200.00	3,140.10	3,158.88	3,134.57	15.50	14.66	139.55	-147.54	356.78	560.14	530.39	29.75	18.830		
3,300.00	3,237.78	3,257.35	3,232.16	15.98	15.11	139.61	-149.60	369.80	577.55	546.89	30.66	18.835		
3,400.00	3,335.47	3,355.82	3,329.74	16.47	15.56	139.66	-151.66	382.81	594.97	563.39	31.58	18.838		
3,500.00	3,433.15	3,454.29	3,427.33	16.96	16.01	139.70	-153.72	395.83	612.39	579.89	32.50	18.841		
3,600.00	3,530.84	3,552.76	3,524.91	17.45	16.46	139.75	-155.78	408.84	629.81	596.38	33.43	18.842		
3,700.00	3,628.53	3,651.23	3,622.50	17.94	16.91	139.79	-157.84	421.86	647.23	612.88	34.35	18.843		
3,800.00	3,726.21	3,749.70	3,720.08	18.43	17.36	139.83	-159.91	434.87	664.65	629.37	35.27	18.844		
3,900.00	3,823.90	3,848.17	3,817.67	18.92	17.82	139.87	-161.97	447.88	682.06	645.87	36.20	18.844		
4,000.00	3,921.58	3,946.64	3,915.25	19.41	18.27	139.90	-164.03	460.90	699.48	662.36	37.12	18.843		
4,100.00	4,019.27	4,045.11	4,012.84	19.90	18.72	139.94	-166.09	473.91	716.90	678.86	38.05	18.843		
4,200.00	4,116.96	4,143.58	4,110.42	20.39	19.18	139.97	-168.15	486.93	734.32	695.35	38.97	18.841		
4,300.00	4,214.64	4,242.05	4,208.01	20.88	19.63	140.00	-170.21	499.94	751.74	711.84	39.90	18.840		
4,400.00	4,312.33	4,340.52	4,305.59	21.37	20.08	140.03	-172.27	512.96	769.16	728.33	40.83	18.838		
4,500.00	4,410.01	4,438.99	4,403.17	21.87	20.54	140.06	-174.33	525.97	786.58	744.83	41.76	18.836		
4,600.00	4,507.70	4,537.46	4,500.76	22.36	20.99	140.09	-176.40	538.99	804.01	761.32	42.69	18.834		
4,700.00	4,605.39	4,635.93	4,598.34	22.85	21.45	140.11	-178.46	552.00	821.43	777.81	43.62	18.832		
4,800.00	4,703.07	4,734.40	4,695.93	23.35	21.90	140.14	-180.52	565.01	838.85	794.30	44.55	18.830		
4,900.00	4,800.76	4,832.87	4,793.51	23.84	22.36	140.16	-182.58	578.03	856.27	810.79	45.48	18.828		
5,000.00	4,898.44	4,931.34	4,891.10	24.33	22.82	140.18	-184.64	591.04	873.69	827.28	46.41	18.825		

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 32C-6-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 32C-6-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	4,996.13	5,029.81	4,988.68	24.83	23.27	140.21	-186.70	604.06	891.11	843.77	47.34	18.823		
5,200.00	5,093.82	5,128.28	5,086.27	25.32	23.73	140.23	-188.76	617.07	908.53	860.26	48.27	18.820		
5,300.00	5,191.50	5,226.75	5,183.85	25.82	24.18	140.25	-190.82	630.09	925.95	876.75	49.21	18.818		
5,400.00	5,289.19	5,325.22	5,281.44	26.31	24.64	140.27	-192.89	643.10	943.38	893.24	50.14	18.815		
5,500.00	5,386.87	5,423.69	5,379.02	26.81	25.10	140.29	-194.95	656.11	960.80	909.73	51.07	18.812		
5,600.00	5,484.56	5,522.17	5,476.61	27.30	25.55	140.31	-197.01	669.13	978.22	926.21	52.01	18.810		
5,700.00	5,582.25	5,620.64	5,574.19	27.80	26.01	140.32	-199.07	682.14	995.64	942.70	52.94	18.807		
5,800.00	5,679.93	5,719.11	5,671.77	28.29	26.47	140.34	-201.13	695.16	1,013.06	959.19	53.87	18.804		
5,900.00	5,777.62	5,817.58	5,769.36	28.79	26.93	140.36	-203.19	708.17	1,030.49	975.68	54.81	18.802		
6,000.00	5,875.30	5,916.05	5,866.94	29.28	27.38	140.37	-205.25	721.19	1,047.91	992.17	55.74	18.799		
6,100.00	5,972.99	6,014.52	5,964.53	29.78	27.84	140.39	-207.32	734.20	1,065.33	1,008.65	56.68	18.796		
6,200.00	6,070.67	6,112.99	6,062.11	30.27	28.30	140.40	-209.38	747.22	1,082.75	1,025.14	57.61	18.793		
6,300.00	6,168.36	6,211.46	6,159.70	30.77	28.76	140.42	-211.44	760.23	1,100.18	1,041.63	58.55	18.791		
6,400.00	6,266.05	6,309.93	6,257.28	31.26	29.21	140.43	-213.50	773.24	1,117.60	1,058.12	59.48	18.788		
6,500.00	6,363.73	6,387.59	6,334.73	31.76	29.54	140.42	-215.53	778.14	1,135.97	1,075.78	60.19	18.783		
6,534.50	6,397.43	6,414.16	6,361.27	31.93	29.65	140.92	-216.04	777.65	1,142.72	1,082.30	60.41	18.915		
6,550.00	6,412.60	6,425.99	6,373.09	32.01	29.69	146.11	-216.37	777.07	1,145.80	1,085.29	60.51	18.937		
6,600.00	6,461.82	6,463.94	6,410.87	32.24	29.83	168.96	-217.48	773.75	1,155.74	1,094.94	60.80	19.010		
6,650.00	6,511.25	6,500.00	6,446.53	32.45	29.96	-160.83	-218.60	768.52	1,165.59	1,104.54	61.05	19.093		
6,700.00	6,560.58	6,539.12	6,484.80	32.64	30.10	-134.65	-219.89	760.57	1,175.29	1,113.98	61.31	19.169		
6,750.00	6,609.51	6,576.42	6,520.77	32.83	30.24	-117.85	-221.18	750.81	1,184.76	1,123.21	61.55	19.248		
6,800.00	6,657.74	6,613.59	6,555.98	33.01	30.38	-107.47	-222.54	739.01	1,193.95	1,132.16	61.79	19.323		
6,850.00	6,704.97	6,650.00	6,589.76	33.18	30.52	-100.66	-223.91	725.47	1,202.78	1,140.76	62.02	19.395		
6,900.00	6,750.90	6,687.66	6,623.80	33.36	30.66	-95.89	-225.39	709.47	1,211.20	1,148.94	62.26	19.452		
6,950.00	6,795.26	6,724.63	6,656.26	33.54	30.81	-92.37	-226.88	691.82	1,219.16	1,156.64	62.52	19.501		
7,000.00	6,837.77	6,761.61	6,687.63	33.73	30.96	-89.67	-228.42	672.32	1,226.61	1,163.82	62.79	19.535		
7,050.00	6,878.17	6,800.00	6,718.94	33.92	31.13	-87.56	-230.05	650.18	1,233.52	1,170.42	63.10	19.548		
7,100.00	6,916.21	6,835.71	6,746.82	34.13	31.29	-85.89	-231.59	627.93	1,239.83	1,176.41	63.42	19.550		
7,150.00	6,951.66	6,872.88	6,774.47	34.36	31.47	-84.56	-233.23	603.14	1,245.52	1,181.73	63.80	19.524		
7,200.00	6,984.29	6,910.19	6,800.71	34.61	31.66	-83.51	-234.88	576.68	1,250.57	1,186.34	64.22	19.472		
7,250.00	7,013.91	6,947.65	6,825.46	34.89	31.87	-82.69	-236.56	548.61	1,254.94	1,190.23	64.71	19.393		
7,300.00	7,040.34	6,985.30	6,848.62	35.20	32.10	-82.09	-238.26	518.98	1,258.63	1,193.35	65.27	19.283		
7,350.00	7,063.40	7,023.17	6,870.10	35.55	32.34	-81.67	-239.96	487.85	1,261.61	1,195.70	65.91	19.143		
7,400.00	7,082.97	7,061.28	6,889.82	35.94	32.61	-81.43	-241.67	455.29	1,263.89	1,197.27	66.62	18.972		
7,450.00	7,098.91	7,100.00	6,907.81	36.36	32.90	-81.35	-243.40	421.06	1,265.45	1,198.03	67.42	18.771		
7,500.00	7,111.13	7,138.38	6,923.56	36.83	33.22	-81.42	-245.10	386.10	1,266.31	1,198.01	68.29	18.542		
7,550.00	7,119.55	7,177.43	6,937.39	37.34	33.57	-81.63	-246.80	349.63	1,266.46	1,197.21	69.25	18.287		
7,600.00	7,124.13	7,216.85	6,949.06	37.88	33.94	-81.98	-248.49	312.02	1,265.93	1,195.64	70.28	18.012		
7,639.68	7,125.00	7,248.44	6,956.71	38.33	34.25	-82.37	-249.82	281.41	1,265.02	1,193.87	71.15	17.781		
7,700.00	7,124.48	7,297.43	6,965.55	39.05	34.78	-82.78	-251.82	233.28	1,263.63	1,191.10	72.53	17.423		
7,800.00	7,123.60	7,380.96	6,972.01	40.40	35.74	-83.11	-255.05	150.12	1,262.47	1,187.52	74.95	16.843		
7,900.00	7,122.72	7,477.98	6,970.94	41.90	36.99	-83.09	-258.59	53.17	1,262.17	1,184.46	77.72	16.241		
8,000.00	7,121.84	7,577.98	6,969.62	43.54	38.44	-83.07	-262.24	-46.75	1,261.90	1,181.10	80.80	15.618		
8,100.00	7,120.97	7,677.97	6,968.31	45.30	40.03	-83.05	-265.88	-146.68	1,261.63	1,177.48	84.14	14.994		
8,200.00	7,120.09	7,777.97	6,966.99	47.17	41.76	-83.03	-269.53	-246.60	1,261.36	1,173.63	87.73	14.378		
8,300.00	7,119.21	7,877.97	6,965.68	49.13	43.61	-83.01	-273.17	-346.52	1,261.08	1,169.56	91.52	13.780		
8,400.00	7,118.33	7,977.97	6,964.36	51.18	45.56	-82.99	-276.82	-446.45	1,260.81	1,165.32	95.49	13.203		
8,500.00	7,117.46	8,077.97	6,963.05	53.30	47.60	-82.97	-280.46	-546.37	1,260.54	1,160.91	99.63	12.652		
8,600.00	7,116.58	8,177.97	6,961.73	55.48	49.72	-82.94	-284.11	-646.29	1,260.27	1,156.36	103.91	12.129		
8,700.00	7,115.70	8,277.97	6,960.42	57.72	51.90	-82.92	-287.75	-746.22	1,259.99	1,151.69	108.31	11.633		
8,800.00	7,114.82	8,377.96	6,959.11	60.02	54.15	-82.90	-291.40	-846.14	1,259.72	1,146.90	112.82	11.166		
8,900.00	7,113.95	8,477.96	6,957.79	62.36	56.46	-82.88	-295.04	-946.06	1,259.45	1,142.02	117.43	10.725		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.07	8,577.96	6,956.48	64.74	58.81	-82.86	-298.69	-1,045.99	1,259.18	1,137.05	122.12	10.311		
9,100.00	7,112.19	8,677.96	6,955.16	67.15	61.20	-82.84	-302.33	-1,145.91	1,258.91	1,132.01	126.90	9.921		
9,200.00	7,111.31	8,777.96	6,953.85	69.60	63.63	-82.81	-305.97	-1,245.83	1,258.64	1,126.90	131.74	9.554		
9,300.00	7,110.44	8,877.96	6,952.53	72.08	66.09	-82.79	-309.62	-1,345.76	1,258.37	1,121.73	136.64	9.209		
9,400.00	7,109.56	8,977.96	6,951.22	74.58	68.58	-82.77	-313.26	-1,445.68	1,258.09	1,116.50	141.59	8.885		
9,500.00	7,108.68	9,077.95	6,949.90	77.10	71.10	-82.75	-316.91	-1,545.60	1,257.82	1,111.23	146.60	8.580		
9,600.00	7,107.81	9,177.95	6,948.59	79.65	73.64	-82.73	-320.55	-1,645.53	1,257.55	1,105.91	151.64	8.293		
9,700.00	7,106.93	9,277.95	6,947.27	82.22	76.20	-82.71	-324.20	-1,745.45	1,257.28	1,100.55	156.73	8.022		
9,800.00	7,106.05	9,377.95	6,945.96	84.80	78.78	-82.68	-327.84	-1,845.37	1,257.01	1,095.16	161.86	7.766		
9,900.00	7,105.17	9,477.95	6,944.64	87.40	81.38	-82.66	-331.49	-1,945.30	1,256.74	1,089.73	167.01	7.525		
10,000.00	7,104.30	9,577.95	6,943.33	90.02	84.00	-82.64	-335.13	-2,045.22	1,256.47	1,084.28	172.20	7.297		
10,100.00	7,103.42	9,677.94	6,942.02	92.64	86.62	-82.62	-338.78	-2,145.14	1,256.21	1,078.80	177.41	7.081		
10,200.00	7,102.54	9,777.94	6,940.70	95.28	89.27	-82.60	-342.42	-2,245.07	1,255.94	1,073.29	182.64	6.876		
10,300.00	7,101.66	9,877.94	6,939.39	97.94	91.92	-82.58	-346.07	-2,344.99	1,255.67	1,067.76	187.90	6.683		
10,400.00	7,100.79	9,977.94	6,938.07	100.60	94.59	-82.55	-349.71	-2,444.91	1,255.40	1,062.22	193.18	6.499		
10,500.00	7,099.91	10,077.94	6,936.76	103.27	97.26	-82.53	-353.36	-2,544.84	1,255.13	1,056.65	198.48	6.324		
10,600.00	7,099.03	10,177.94	6,935.44	105.95	99.95	-82.51	-357.00	-2,644.76	1,254.86	1,051.07	203.79	6.158		
10,700.00	7,098.15	10,277.94	6,934.13	108.64	102.64	-82.49	-360.65	-2,744.68	1,254.59	1,045.47	209.12	5.999		
10,800.00	7,097.28	10,377.93	6,932.81	111.33	105.34	-82.47	-364.29	-2,844.61	1,254.32	1,039.85	214.47	5.849		
10,900.00	7,096.40	10,477.93	6,931.50	114.04	108.05	-82.45	-367.94	-2,944.53	1,254.06	1,034.23	219.83	5.705		
11,000.00	7,095.52	10,577.93	6,930.18	116.74	110.76	-82.42	-371.58	-3,044.45	1,253.79	1,028.59	225.20	5.567		
11,100.00	7,094.64	10,677.93	6,928.87	119.46	113.48	-82.40	-375.23	-3,144.38	1,253.52	1,022.94	230.58	5.436		
11,200.00	7,093.77	10,777.93	6,927.55	122.18	116.21	-82.38	-378.87	-3,244.30	1,253.25	1,017.28	235.98	5.311		
11,300.00	7,092.89	10,877.93	6,926.24	124.91	118.94	-82.36	-382.52	-3,344.22	1,252.99	1,011.60	241.38	5.191		
11,400.00	7,092.01	10,977.93	6,924.93	127.64	121.68	-82.34	-386.16	-3,444.15	1,252.72	1,005.92	246.79	5.076		
11,500.00	7,091.13	11,077.92	6,923.61	130.38	124.42	-82.31	-389.81	-3,544.07	1,252.45	1,000.24	252.22	4.966		
11,600.00	7,090.26	11,177.92	6,922.30	133.12	127.17	-82.29	-393.45	-3,643.99	1,252.18	994.54	257.65	4.860		
11,700.00	7,089.38	11,277.92	6,920.98	135.86	129.92	-82.27	-397.10	-3,743.92	1,251.92	988.83	263.08	4.759		
11,800.00	7,088.50	11,377.92	6,919.67	138.61	132.67	-82.25	-400.74	-3,843.84	1,251.65	983.12	268.53	4.661		
11,900.00	7,087.63	11,477.92	6,918.35	141.36	135.43	-82.23	-404.39	-3,943.76	1,251.39	977.41	273.98	4.567		
12,000.00	7,086.75	11,577.92	6,917.04	144.12	138.19	-82.21	-408.03	-4,043.69	1,251.12	971.68	279.44	4.477		
12,100.00	7,085.87	11,677.91	6,915.72	146.88	140.95	-82.18	-411.68	-4,143.61	1,250.85	965.95	284.90	4.391		
12,200.00	7,084.99	11,777.91	6,914.41	149.64	143.72	-82.16	-415.32	-4,243.54	1,250.59	960.22	290.37	4.307		
12,300.00	7,084.12	11,877.91	6,913.09	152.40	146.49	-82.14	-418.97	-4,343.46	1,250.32	954.48	295.84	4.226		
12,400.00	7,083.24	11,977.91	6,911.78	155.17	149.26	-82.12	-422.61	-4,443.38	1,250.06	948.74	301.32	4.149		
12,500.00	7,082.36	12,077.91	6,910.46	157.94	152.04	-82.10	-426.26	-4,543.31	1,249.79	942.99	306.80	4.074		
12,600.00	7,081.48	12,177.91	6,909.15	160.71	154.82	-82.07	-429.90	-4,643.23	1,249.53	937.24	312.29	4.001		
12,700.00	7,080.61	12,277.91	6,907.84	163.49	157.60	-82.05	-433.55	-4,743.15	1,249.26	931.48	317.78	3.931		
12,800.00	7,079.73	12,377.90	6,906.52	166.27	160.38	-82.03	-437.19	-4,843.08	1,249.00	925.72	323.28	3.864		
12,900.00	7,078.85	12,477.90	6,905.21	169.04	163.16	-82.01	-440.84	-4,943.00	1,248.73	919.96	328.77	3.798		
13,000.00	7,077.97	12,577.90	6,903.89	171.83	165.95	-81.99	-444.48	-5,042.92	1,248.47	914.19	334.28	3.735		
13,100.00	7,077.10	12,677.90	6,902.58	174.61	168.74	-81.96	-448.13	-5,142.85	1,248.21	908.42	339.78	3.674		
13,200.00	7,076.22	12,777.90	6,901.26	177.39	171.53	-81.94	-451.77	-5,242.77	1,247.94	902.65	345.29	3.614		
13,300.00	7,075.34	12,877.90	6,899.95	180.18	174.32	-81.92	-455.42	-5,342.69	1,247.68	896.88	350.80	3.557		
13,400.00	7,074.46	12,977.90	6,898.63	182.97	177.11	-81.90	-459.06	-5,442.62	1,247.41	891.10	356.31	3.501		
13,500.00	7,073.59	13,077.89	6,897.32	185.76	179.91	-81.88	-462.71	-5,542.54	1,247.15	885.32	361.83	3.447		
13,600.00	7,072.71	13,177.89	6,896.00	188.55	182.70	-81.85	-466.35	-5,642.46	1,246.89	879.54	367.35	3.394		
13,700.00	7,071.83	13,277.89	6,894.69	191.34	185.50	-81.83	-470.00	-5,742.39	1,246.63	873.76	372.87	3.343		
13,800.00	7,070.95	13,377.89	6,893.37	194.14	188.30	-81.81	-473.64	-5,842.31	1,246.36	867.98	378.39	3.294		
13,900.00	7,070.08	13,477.89	6,892.06	196.93	191.10	-81.79	-477.29	-5,942.23	1,246.10	862.19	383.91	3.246		
14,000.00	7,069.20	13,577.89	6,890.74	199.73	193.90	-81.77	-480.93	-6,042.16	1,245.84	856.40	389.44	3.199		
14,100.00	7,068.32	13,677.89	6,889.43	202.53	196.70	-81.74	-484.58	-6,142.08	1,245.58	850.61	394.96	3.154		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,067.45	13,777.88	6,888.12	205.33	199.51	-81.72	-488.22	-6,242.00	1,245.31	844.82	400.49	3.109		
14,300.00	7,066.57	13,877.88	6,886.80	208.13	202.31	-81.70	-491.87	-6,341.93	1,245.05	839.03	406.02	3.066		
14,400.00	7,065.69	13,977.88	6,885.49	210.93	205.12	-81.68	-495.51	-6,441.85	1,244.79	833.23	411.56	3.025		
14,500.00	7,064.81	14,077.88	6,884.17	213.73	207.92	-81.66	-499.16	-6,541.77	1,244.53	827.44	417.09	2.984		
14,600.00	7,063.94	14,177.88	6,882.86	216.54	210.73	-81.63	-502.80	-6,641.70	1,244.27	821.64	422.62	2.944		
14,700.00	7,063.06	14,277.88	6,881.54	219.34	213.54	-81.61	-506.45	-6,741.62	1,244.01	815.85	428.16	2.905		
14,800.00	7,062.18	14,377.87	6,880.23	222.15	216.35	-81.59	-510.09	-6,841.54	1,243.75	810.05	433.70	2.868		
14,900.00	7,061.30	14,477.87	6,878.91	224.95	219.16	-81.57	-513.74	-6,941.47	1,243.49	804.25	439.23	2.831		
15,000.00	7,060.43	14,577.87	6,877.60	227.76	221.97	-81.54	-517.38	-7,041.39	1,243.23	798.45	444.77	2.795		
15,100.00	7,059.55	14,677.87	6,876.28	230.57	224.78	-81.52	-521.03	-7,141.31	1,242.96	792.65	450.31	2.760		
15,200.00	7,058.67	14,777.87	6,874.97	233.38	227.60	-81.50	-524.67	-7,241.24	1,242.70	786.85	455.85	2.726		
15,300.00	7,057.79	14,877.87	6,873.65	236.19	230.41	-81.48	-528.32	-7,341.16	1,242.44	781.05	461.40	2.693		
15,400.00	7,056.92	14,977.87	6,872.34	239.00	233.22	-81.46	-531.96	-7,441.08	1,242.18	775.25	466.94	2.660		
15,500.00	7,056.04	15,077.86	6,871.03	241.81	236.04	-81.43	-535.61	-7,541.01	1,241.93	769.44	472.48	2.629		
15,600.00	7,055.16	15,177.86	6,869.71	244.62	238.85	-81.41	-539.25	-7,640.93	1,241.67	763.64	478.02	2.597		
15,700.00	7,054.28	15,277.86	6,868.40	247.43	241.67	-81.39	-542.90	-7,740.85	1,241.41	757.84	483.57	2.567		
15,800.00	7,053.41	15,377.86	6,867.08	250.25	244.49	-81.37	-546.54	-7,840.78	1,241.15	752.03	489.11	2.538		
15,846.35	7,053.00	15,424.21	6,866.47	251.55	245.79	-81.36	-548.23	-7,887.09	1,241.03	749.34	491.68	2.524 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7.96	29.87	4.18	30.16					
100.00	100.00	100.00	100.00	3.28	3.28	7.96	29.87	4.18	30.16	23.59	6.57	4.591		
200.00	200.00	200.00	200.00	3.34	3.34	7.96	29.87	4.18	30.16	23.48	6.67	4.519		
300.00	299.98	299.98	299.98	3.44	3.44	-38.65	29.87	4.18	28.78	21.89	6.89	4.177		
400.00	399.84	398.94	398.92	3.61	3.60	-46.29	31.57	4.06	26.63	19.41	7.21	3.691		
454.31	453.98	452.66	452.58	3.71	3.71	-53.23	33.93	3.89	26.23	18.79	7.43	3.528 CC, ES		
500.00	499.45	497.82	497.66	3.81	3.81	-60.28	36.68	3.70	26.57	18.94	7.64	3.479		
600.00	598.70	596.49	595.96	4.06	4.05	-76.95	45.16	3.12	30.28	22.14	8.14	3.722		
700.00	697.47	694.85	693.61	4.35	4.32	-90.90	56.97	2.30	38.52	29.84	8.69	4.435		
800.00	795.62	792.98	790.56	4.66	4.62	-100.38	72.02	1.26	50.93	41.64	9.29	5.484		
817.50	812.73	810.25	807.60	4.73	4.68	-101.78	74.87	1.06	53.40	44.00	9.40	5.682		
900.00	893.32	908.33	887.90	5.01	5.00	-107.31	88.27	0.13	65.46	55.47	9.99	6.552		
1,000.00	991.01	1,009.64	985.23	5.38	5.35	-111.76	104.52	-0.99	80.63	69.93	10.70	7.535		
1,100.00	1,088.69	1,089.04	1,082.56	5.77	5.64	-114.79	120.77	-2.12	96.11	84.75	11.37	8.456		
1,200.00	1,186.38	1,187.73	1,179.89	6.18	6.01	-116.97	137.02	-3.24	111.79	99.66	12.13	9.216		
1,300.00	1,284.06	1,286.41	1,277.23	6.60	6.40	-118.62	153.27	-4.37	127.59	114.67	12.92	9.876		
1,400.00	1,381.75	1,385.10	1,374.56	7.03	6.80	-119.91	169.52	-5.49	143.46	129.73	13.73	10.451		
1,500.00	1,479.44	1,483.79	1,471.89	7.47	7.20	-120.93	185.77	-6.62	159.39	144.84	14.55	10.954		
1,600.00	1,577.12	1,582.47	1,569.23	7.91	7.61	-121.77	202.02	-7.74	175.37	159.98	15.39	11.395		
1,700.00	1,674.81	1,681.16	1,666.56	8.37	8.03	-122.48	218.27	-8.87	191.37	175.13	16.24	11.784		
1,800.00	1,772.49	1,779.85	1,763.89	8.82	8.45	-123.07	234.52	-9.99	207.40	190.30	17.10	12.129		
1,900.00	1,870.18	1,878.53	1,861.22	9.28	8.88	-123.58	250.76	-11.12	223.45	205.48	17.97	12.436		
2,000.00	1,967.87	1,977.22	1,958.56	9.75	9.31	-124.01	267.01	-12.24	239.51	220.66	18.84	12.711		
2,100.00	2,065.55	2,075.90	2,055.89	10.22	9.74	-124.40	283.26	-13.37	255.58	235.86	19.72	12.958		
2,200.00	2,163.24	2,174.59	2,153.22	10.69	10.17	-124.74	299.51	-14.49	271.66	251.05	20.61	13.181		
2,300.00	2,260.92	2,273.28	2,250.56	11.16	10.61	-125.04	315.76	-15.62	287.75	266.25	21.50	13.383		
2,400.00	2,358.61	2,371.96	2,347.89	11.64	11.05	-125.31	332.01	-16.74	303.85	281.45	22.40	13.566		
2,500.00	2,456.30	2,470.65	2,445.22	12.12	11.49	-125.55	348.26	-17.87	319.96	296.66	23.30	13.734		
2,600.00	2,553.98	2,569.34	2,542.55	12.59	11.93	-125.77	364.51	-18.99	336.06	311.86	24.20	13.887		
2,700.00	2,651.67	2,668.02	2,639.89	13.08	12.38	-125.97	380.76	-20.11	352.18	327.07	25.11	14.028		
2,800.00	2,749.35	2,766.71	2,737.22	13.56	12.82	-126.15	397.01	-21.24	368.29	342.28	26.01	14.158		
2,900.00	2,847.04	2,865.40	2,834.55	14.04	13.27	-126.31	413.25	-22.36	384.41	357.49	26.92	14.277		
3,000.00	2,944.72	2,964.08	2,931.89	14.52	13.72	-126.47	429.50	-23.49	400.54	372.70	27.84	14.389		
3,100.00	3,042.41	3,062.77	3,029.22	15.01	14.17	-126.61	445.75	-24.61	416.66	387.91	28.75	14.492		
3,200.00	3,140.10	3,161.45	3,126.55	15.50	14.62	-126.74	462.00	-25.74	432.79	403.12	29.67	14.588		
3,300.00	3,237.78	3,260.14	3,223.88	15.98	15.07	-126.86	478.25	-26.86	448.92	418.34	30.59	14.677		
3,400.00	3,335.47	3,358.83	3,321.22	16.47	15.52	-126.97	494.50	-27.99	465.05	433.55	31.51	14.761		
3,500.00	3,433.15	3,457.51	3,418.55	16.96	15.97	-127.08	510.75	-29.11	481.19	448.76	32.43	14.839		
3,600.00	3,530.84	3,556.20	3,515.88	17.45	16.42	-127.18	527.00	-30.24	497.32	463.97	33.35	14.913		
3,700.00	3,628.53	3,654.89	3,613.22	17.94	16.88	-127.27	543.25	-31.36	513.46	479.19	34.27	14.982		
3,800.00	3,726.21	3,753.57	3,710.55	18.43	17.33	-127.35	559.50	-32.49	529.60	494.40	35.20	15.047		
3,900.00	3,823.90	3,852.26	3,807.88	18.92	17.78	-127.44	575.75	-33.61	545.73	509.61	36.12	15.109		
4,000.00	3,921.58	3,950.94	3,905.21	19.41	18.24	-127.51	591.99	-34.74	561.87	524.83	37.05	15.167		
4,100.00	4,019.27	4,049.63	4,002.55	19.90	18.69	-127.58	608.24	-35.86	578.01	540.04	37.97	15.221		
4,200.00	4,116.96	4,148.32	4,099.88	20.39	19.15	-127.65	624.49	-36.99	594.16	555.25	38.90	15.273		
4,300.00	4,214.64	4,247.00	4,197.21	20.88	19.60	-127.72	640.74	-38.11	610.30	570.47	39.83	15.323		
4,400.00	4,312.33	4,345.69	4,294.55	21.37	20.06	-127.78	656.99	-39.24	626.44	585.68	40.76	15.370		
4,500.00	4,410.01	4,444.38	4,391.88	21.87	20.52	-127.84	673.24	-40.36	642.58	600.90	41.69	15.414		
4,600.00	4,507.70	4,543.06	4,489.21	22.36	20.97	-127.89	689.49	-41.49	658.73	616.11	42.62	15.457		
4,700.00	4,605.39	4,641.75	4,586.54	22.85	21.43	-127.95	705.74	-42.61	674.87	631.32	43.55	15.497		
4,800.00	4,703.07	4,740.43	4,683.88	23.35	21.89	-128.00	721.99	-43.74	691.02	646.54	44.48	15.536		
4,900.00	4,800.76	4,839.12	4,781.21	23.84	22.34	-128.04	738.24	-44.86	707.16	661.75	45.41	15.572		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,937.81	4,878.54	24.33	22.80	-128.09	754.48	-45.99	723.31	676.97	46.34	15.608		
5,100.00	4,996.13	5,036.49	4,975.88	24.83	23.26	-128.13	770.73	-47.11	739.46	692.18	47.28	15.641		
5,200.00	5,093.82	5,135.18	5,073.21	25.32	23.72	-128.18	786.98	-48.24	755.60	707.40	48.21	15.673		
5,300.00	5,191.50	5,233.87	5,170.54	25.82	24.17	-128.22	803.23	-49.36	771.75	722.61	49.14	15.704		
5,400.00	5,289.19	5,332.55	5,267.87	26.31	24.63	-128.26	819.48	-50.49	787.90	737.82	50.08	15.734		
5,500.00	5,386.87	5,431.24	5,365.21	26.81	25.09	-128.29	835.73	-51.61	804.05	753.04	51.01	15.762		
5,600.00	5,484.56	5,529.92	5,462.54	27.30	25.55	-128.33	851.98	-52.74	820.20	768.25	51.94	15.790		
5,700.00	5,582.25	5,628.61	5,559.87	27.80	26.01	-128.36	868.23	-53.86	836.35	783.47	52.88	15.816		
5,800.00	5,679.93	5,727.30	5,657.21	28.29	26.47	-128.40	884.48	-54.99	852.49	798.68	53.81	15.841		
5,900.00	5,777.62	5,825.98	5,754.54	28.79	26.92	-128.43	900.73	-56.11	868.64	813.89	54.75	15.866		
6,000.00	5,875.30	5,924.67	5,851.87	29.28	27.38	-128.46	916.97	-57.23	884.79	829.11	55.68	15.889		
6,100.00	5,972.99	7,533.54	6,832.69	29.78	38.39	-100.24	1,082.86	828.87	889.99	873.31	16.69	53.341		
6,200.00	6,070.67	7,549.60	6,832.85	30.27	38.65	-97.04	1,082.93	844.93	791.92	774.51	17.42	45.465		
6,300.00	6,168.36	7,565.67	6,833.02	30.77	38.92	-93.29	1,082.99	860.99	694.04	675.71	18.33	37.862		
6,400.00	6,266.05	7,581.73	6,833.18	31.26	39.18	-88.87	1,083.06	877.06	596.42	576.89	19.53	30.544		
6,500.00	6,363.73	7,602.20	6,833.35	31.76	39.53	-83.64	1,083.13	893.12	499.23	477.98	21.25	23.496		
6,534.50	6,397.43	7,603.34	6,833.41	31.93	39.55	-81.63	1,083.15	898.67	465.85	443.89	21.95	21.219		
6,550.00	6,412.60	7,605.64	6,833.43	32.01	39.59	-71.44	1,083.16	900.97	450.85	428.52	22.33	20.188		
6,600.00	6,461.82	7,610.52	6,833.48	32.24	39.67	-30.87	1,083.18	905.85	402.38	378.64	23.74	16.947		
6,650.00	6,511.25	7,611.49	6,833.49	32.45	39.69	15.50	1,083.18	906.81	354.09	328.53	25.56	13.854		
6,700.00	6,560.58	7,608.53	6,833.46	32.64	39.64	52.77	1,083.17	903.85	306.45	278.47	27.98	10.951		
6,750.00	6,609.51	7,601.67	6,833.39	32.83	39.52	75.52	1,083.14	896.99	260.08	228.73	31.35	8.297		
6,800.00	6,657.74	7,609.05	6,833.28	33.01	39.65	87.71	1,083.10	886.27	215.79	179.42	36.37	5.934		
6,850.00	6,704.97	7,576.43	6,833.13	33.18	39.10	92.93	1,083.04	871.76	174.83	131.77	43.07	4.060		
6,900.00	6,750.90	7,558.21	6,832.94	33.36	38.79	92.87	1,082.96	853.53	139.36	86.63	52.73	2.643		
6,950.00	6,795.26	7,536.39	6,832.72	33.54	38.43	88.19	1,082.87	831.72	113.13	48.98	64.15	1.764		
7,000.00	6,837.77	7,511.11	6,832.46	33.73	38.01	79.26	1,082.77	806.44	101.39	29.88	71.50	1.418 Level 3		
7,008.80	6,845.04	7,506.32	6,832.41	33.76	37.93	77.31	1,082.75	801.65	101.12	29.36	71.76	1.409 Level 3, SF		
7,050.00	6,878.17	7,482.54	6,832.16	33.92	37.57	67.21	1,082.65	777.87	106.62	38.01	68.61	1.554		
7,100.00	6,916.21	7,450.83	6,831.83	34.13	37.09	54.35	1,082.52	746.17	124.52	64.79	59.72	2.085		
7,150.00	6,951.66	7,416.19	6,831.48	34.36	36.57	42.99	1,082.38	711.53	148.63	97.52	51.12	2.908		
7,200.00	6,984.29	7,378.84	6,831.09	34.61	36.04	34.16	1,082.23	674.18	174.65	130.07	44.58	3.918		
7,250.00	7,013.91	7,339.00	6,830.68	34.89	35.50	27.71	1,082.06	634.34	200.25	160.36	39.90	5.019		
7,300.00	7,040.34	7,303.08	6,830.25	35.20	35.02	23.11	1,081.89	592.26	224.20	187.60	36.60	6.125		
7,350.00	7,063.40	7,258.02	6,829.67	35.55	34.47	20.08	1,081.70	553.37	245.98	211.58	34.40	7.151		
7,400.00	7,082.97	7,225.13	6,827.73	35.94	34.09	17.95	1,081.30	520.55	266.74	233.46	33.28	8.016		
7,450.00	7,098.91	7,192.62	6,824.16	36.36	33.73	16.20	1,080.62	488.24	286.61	253.76	32.85	8.725		
7,500.00	7,111.13	7,160.44	6,819.04	36.83	33.38	14.72	1,079.69	456.49	305.47	272.46	33.01	9.254		
7,550.00	7,119.55	7,128.55	6,812.40	37.34	33.06	13.47	1,078.51	425.32	323.22	289.57	33.66	9.603		
7,600.00	7,124.13	7,100.00	6,805.17	37.88	32.78	12.43	1,077.24	397.74	339.82	304.80	35.02	9.703		
7,639.68	7,125.00	7,071.97	6,796.88	38.33	32.53	11.62	1,075.79	371.00	352.06	316.34	35.72	9.855		
7,700.00	7,124.48	7,034.90	6,784.15	39.05	32.20	11.08	1,073.58	336.26	371.70	334.24	37.46	9.923		
7,800.00	7,123.60	6,977.03	6,760.36	40.40	31.75	10.08	1,069.48	283.68	410.98	370.57	40.41	10.171		
7,900.00	7,122.72	6,923.93	6,734.47	41.90	31.38	9.06	1,065.05	237.56	457.94	414.63	43.31	10.573		
8,000.00	7,121.84	6,875.69	6,707.73	43.54	31.12	8.10	1,060.49	197.68	511.70	465.66	46.04	11.114		
8,100.00	7,120.97	6,832.16	6,681.11	45.30	31.03	7.22	1,055.96	163.54	571.41	522.89	48.52	11.777		
8,200.00	7,120.09	6,800.00	6,660.00	47.17	30.96	6.58	1,052.38	139.56	636.30	585.17	51.13	12.445		
8,300.00	7,119.21	6,750.00	6,624.87	49.13	30.83	5.60	1,046.43	104.49	705.52	653.31	52.22	13.511		
8,400.00	7,118.33	6,726.38	6,607.36	51.18	30.76	5.16	1,043.47	88.93	778.37	724.10	54.27	14.343		
8,500.00	7,117.46	6,700.00	6,587.14	53.30	30.69	4.68	1,040.05	72.33	854.51	798.75	55.76	15.325		
8,600.00	7,116.58	6,672.63	6,565.47	55.48	30.60	4.19	1,036.40	56.03	933.35	876.46	56.89	16.406		
8,700.00	7,115.70	6,650.00	6,547.04	57.72	30.53	3.80	1,033.29	43.27	1,014.52	956.58	57.94	17.510		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	6,628.95	6,529.50	60.02	30.46	3.45	1,030.33	32.00	1,097.68	1,038.85	58.83	18.660		
8,900.00	7,113.95	6,600.00	6,504.81	62.36	30.36	2.98	1,026.18	17.49	1,182.68	1,123.32	59.36	19.923		
9,000.00	7,113.07	6,600.00	6,504.81	64.74	30.36	2.98	1,026.18	17.49	1,268.98	1,208.61	60.36	21.022		
9,100.00	7,112.19	6,577.46	6,485.14	67.15	30.28	2.63	1,022.87	6.98	1,356.57	1,295.77	60.81	22.310		
9,200.00	7,111.31	6,550.00	6,460.71	69.60	30.18	2.22	1,018.76	-4.85	1,445.55	1,384.44	61.11	23.656		
9,300.00	7,110.44	6,550.00	6,460.71	72.08	30.18	2.22	1,018.76	-4.85	1,535.11	1,473.39	61.73	24.869		
9,400.00	7,109.56	6,550.00	6,460.71	74.58	30.18	2.22	1,018.76	-4.85	1,625.90	1,563.66	62.24	26.122		
9,500.00	7,108.68	6,527.02	6,439.89	77.10	30.09	1.89	1,015.26	-13.93	1,717.14	1,654.70	62.44	27.500		
9,600.00	7,107.81	6,500.00	6,415.02	79.65	29.99	1.52	1,011.08	-23.62	1,809.51	1,746.94	62.58	28.916		
9,700.00	7,106.93	6,500.00	6,415.02	82.22	29.99	1.52	1,011.08	-23.62	1,901.95	1,839.02	62.94	30.220		
9,800.00	7,106.05	6,500.00	6,415.02	84.80	29.99	1.52	1,011.08	-23.62	1,995.12	1,931.88	63.24	31.547		
9,900.00	7,105.17	6,500.00	6,415.02	87.40	29.99	1.52	1,011.08	-23.62	2,088.92	2,025.41	63.51	32.892		
10,000.00	7,104.30	6,500.00	6,415.02	90.02	29.99	1.52	1,011.08	-23.62	2,183.27	2,119.53	63.74	34.254		
10,100.00	7,103.42	6,475.39	6,392.03	92.64	29.89	1.19	1,007.23	-31.50	2,277.49	2,213.69	63.80	35.697		
10,200.00	7,102.54	6,468.68	6,385.71	95.28	29.86	1.10	1,006.17	-33.50	2,372.38	2,308.42	63.96	37.093		
10,300.00	7,101.66	6,450.00	6,368.01	97.94	29.79	0.87	1,003.20	-38.69	2,467.74	2,403.70	64.04	38.534		
10,400.00	7,100.79	6,450.00	6,368.01	100.60	29.79	0.87	1,003.20	-38.69	2,563.14	2,498.94	64.20	39.922		
10,500.00	7,099.91	6,450.00	6,368.01	103.27	29.79	0.87	1,003.20	-38.69	2,658.87	2,594.52	64.35	41.319		
10,600.00	7,099.03	6,450.00	6,368.01	105.95	29.79	0.87	1,003.20	-38.69	2,754.91	2,690.43	64.48	42.723		
10,700.00	7,098.15	6,450.00	6,368.01	108.64	29.79	0.87	1,003.20	-38.69	2,851.22	2,786.61	64.60	44.133		
10,800.00	7,097.28	6,450.00	6,368.01	111.33	29.79	0.87	1,003.20	-38.69	2,947.77	2,883.06	64.72	45.549		
10,900.00	7,096.40	6,450.00	6,368.01	114.04	29.79	0.87	1,003.20	-38.69	3,044.55	2,979.73	64.82	46.970		
11,000.00	7,095.52	6,427.25	6,346.27	116.74	29.69	0.59	999.56	-44.30	3,141.04	3,076.19	64.85	48.435		
11,100.00	7,094.64	6,423.23	6,342.41	119.46	29.68	0.54	998.91	-45.21	3,238.02	3,173.09	64.93	49.866		
11,200.00	7,093.77	6,400.00	6,319.99	122.18	29.58	0.27	995.15	-49.97	3,335.50	3,270.54	64.97	51.343		
11,300.00	7,092.89	6,400.00	6,319.99	124.91	29.58	0.27	995.15	-49.97	3,432.65	3,367.60	65.05	52.766		
11,400.00	7,092.01	6,400.00	6,319.99	127.64	29.58	0.27	995.15	-49.97	3,529.96	3,464.82	65.14	54.192		
11,500.00	7,091.13	6,400.00	6,319.99	130.38	29.58	0.27	995.15	-49.97	3,627.41	3,562.20	65.22	55.621		
11,600.00	7,090.26	6,400.00	6,319.99	133.12	29.58	0.27	995.15	-49.97	3,725.00	3,659.71	65.29	57.050		
11,700.00	7,089.38	6,400.00	6,319.99	135.86	29.58	0.27	995.15	-49.97	3,822.72	3,757.35	65.37	58.481		
11,800.00	7,088.50	6,400.00	6,319.99	138.61	29.58	0.27	995.15	-49.97	3,920.55	3,855.11	65.44	59.913		
11,900.00	7,087.63	6,400.00	6,319.99	141.36	29.58	0.27	995.15	-49.97	4,018.48	3,952.98	65.51	61.345		
12,000.00	7,086.75	6,400.00	6,319.99	144.12	29.58	0.27	995.15	-49.97	4,116.52	4,050.95	65.57	62.777		
12,100.00	7,085.87	6,400.00	6,319.99	146.88	29.58	0.27	995.15	-49.97	4,214.65	4,149.01	65.64	64.209		
12,200.00	7,084.99	6,400.00	6,319.99	149.64	29.58	0.27	995.15	-49.97	4,312.86	4,247.16	65.70	65.641		
12,300.00	7,084.12	6,400.00	6,319.99	152.40	29.58	0.27	995.15	-49.97	4,411.15	4,345.39	65.77	67.073		
12,400.00	7,083.24	6,400.00	6,319.99	155.17	29.58	0.27	995.15	-49.97	4,509.52	4,443.69	65.83	68.503		
12,500.00	7,082.36	6,400.00	6,319.99	157.94	29.58	0.27	995.15	-49.97	4,607.96	4,542.07	65.89	69.933		
12,600.00	7,081.48	6,400.00	6,319.99	160.71	29.58	0.27	995.15	-49.97	4,706.47	4,640.52	65.95	71.362		
12,700.00	7,080.61	6,400.00	6,319.99	163.49	29.58	0.27	995.15	-49.97	4,805.04	4,739.02	66.01	72.789		
12,800.00	7,079.73	6,376.67	6,297.31	166.27	29.48	0.01	991.36	-53.92	4,903.18	4,837.13	66.05	74.238		
12,900.00	7,078.85	6,374.79	6,295.48	169.04	29.47	-0.01	991.05	-54.20	5,001.78	4,935.67	66.11	75.663		
13,000.00	7,077.97	6,372.98	6,293.71	171.83	29.46	-0.03	990.76	-54.47	5,100.43	5,034.26	66.17	77.086		
13,100.00	7,077.10	6,350.00	6,271.23	174.61	29.36	-0.27	987.00	-57.40	5,199.52	5,133.31	66.20	78.538		
13,200.00	7,076.22	6,350.00	6,271.23	177.39	29.36	-0.27	987.00	-57.40	5,298.19	5,231.93	66.27	79.954		
13,300.00	7,075.34	6,350.00	6,271.23	180.18	29.36	-0.27	987.00	-57.40	5,396.92	5,330.59	66.33	81.367		
13,400.00	7,074.46	6,350.00	6,271.23	182.97	29.36	-0.27	987.00	-57.40	5,495.69	5,429.30	66.39	82.779		
13,500.00	7,073.59	6,350.00	6,271.23	185.76	29.36	-0.27	987.00	-57.40	5,594.51	5,528.06	66.45	84.188		
13,600.00	7,072.71	6,350.00	6,271.23	188.55	29.36	-0.27	987.00	-57.40	5,693.36	5,626.85	66.52	85.595		
13,700.00	7,071.83	6,350.00	6,271.23	191.34	29.36	-0.27	987.00	-57.40	5,792.26	5,725.68	66.58	86.999		
13,800.00	7,070.95	6,350.00	6,271.23	194.14	29.36	-0.27	987.00	-57.40	5,891.19	5,824.55	66.64	88.401		
13,900.00	7,070.08	6,350.00	6,271.23	196.93	29.36	-0.27	987.00	-57.40	5,990.16	5,923.46	66.71	89.801		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	6,350.00	6,271.23	199.73	29.36	-0.27	987.00	-57.40	6,089.17	6,022.40	66.77	91.197		
14,100.00	7,068.32	6,350.00	6,271.23	202.53	29.36	-0.27	987.00	-57.40	6,188.20	6,121.37	66.83	92.591		
14,200.00	7,067.45	6,350.00	6,271.23	205.33	29.36	-0.27	987.00	-57.40	6,287.27	6,220.37	66.90	93.982		
14,300.00	7,066.57	6,350.00	6,271.23	208.13	29.36	-0.27	987.00	-57.40	6,386.36	6,319.40	66.96	95.370		
14,400.00	7,065.69	6,350.00	6,271.23	210.93	29.36	-0.27	987.00	-57.40	6,485.48	6,418.45	67.03	96.755		
14,500.00	7,064.81	6,350.00	6,271.23	213.73	29.36	-0.27	987.00	-57.40	6,584.63	6,517.53	67.10	98.137		
14,600.00	7,063.94	6,350.00	6,271.23	216.54	29.36	-0.27	987.00	-57.40	6,683.80	6,616.64	67.16	99.516		
14,700.00	7,063.06	6,350.00	6,271.23	219.34	29.36	-0.27	987.00	-57.40	6,783.00	6,715.77	67.23	100.891		
14,800.00	7,062.18	6,350.00	6,271.23	222.15	29.36	-0.27	987.00	-57.40	6,882.22	6,814.92	67.30	102.263		
14,900.00	7,061.30	6,350.00	6,271.23	224.95	29.36	-0.27	987.00	-57.40	6,981.47	6,914.10	67.37	103.632		
15,000.00	7,060.43	6,350.00	6,271.23	227.76	29.36	-0.27	987.00	-57.40	7,080.73	7,013.30	67.44	104.997		
15,100.00	7,059.55	6,350.00	6,271.23	230.57	29.36	-0.27	987.00	-57.40	7,180.02	7,112.51	67.51	106.359		
15,200.00	7,058.67	6,350.00	6,271.23	233.38	29.36	-0.27	987.00	-57.40	7,279.32	7,211.74	67.58	107.717		
15,300.00	7,057.79	6,350.00	6,271.23	236.19	29.36	-0.27	987.00	-57.40	7,378.65	7,311.00	67.65	109.072		
15,400.00	7,056.92	6,350.00	6,271.23	239.00	29.36	-0.27	987.00	-57.40	7,477.99	7,410.27	67.72	110.423		
15,500.00	7,056.04	6,350.00	6,271.23	241.81	29.36	-0.27	987.00	-57.40	7,577.35	7,509.55	67.79	111.770		
15,600.00	7,055.16	6,350.00	6,271.23	244.62	29.36	-0.27	987.00	-57.40	7,676.72	7,608.86	67.87	113.114		
15,700.00	7,054.28	6,350.00	6,271.23	247.43	29.36	-0.27	987.00	-57.40	7,776.11	7,708.17	67.94	114.453		
15,800.00	7,053.41	6,350.00	6,271.23	250.25	29.36	-0.27	987.00	-57.40	7,875.52	7,807.51	68.02	115.789		
15,846.35	7,053.00	6,350.00	6,271.23	251.55	29.36	-0.27	987.00	-57.40	7,921.60	7,853.55	68.05	116.407		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	44.81	4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.81	4.45	45.03	38.46	6.57	6.854		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.81	4.45	45.03	38.36	6.67	6.747 CC, ES		
300.00	299.98	298.45	298.43	3.44	3.44	-40.52	46.50	4.37	45.39	38.49	6.90	6.581		
400.00	399.84	396.79	396.63	3.61	3.60	-45.35	51.56	4.11	46.70	39.46	7.24	6.453		
500.00	499.45	494.90	494.38	3.81	3.81	-52.71	59.95	3.69	49.57	41.90	7.67	6.460		
600.00	598.70	592.68	591.46	4.06	4.05	-61.45	71.65	3.09	54.80	46.61	8.19	6.694		
700.00	697.47	690.23	687.84	4.35	4.32	-70.23	86.58	2.34	63.03	54.27	8.75	7.202		
800.00	795.62	789.16	785.39	4.66	4.62	-79.03	103.06	1.50	72.90	63.56	9.34	7.806		
817.50	812.73	806.45	802.43	4.73	4.68	-80.58	105.94	1.36	74.73	65.28	9.45	7.911		
900.00	893.32	887.90	882.75	5.01	4.94	-87.28	119.50	0.67	84.00	74.02	9.98	8.414		
1,000.00	991.01	986.63	980.09	5.38	5.29	-93.59	135.95	-0.16	96.43	85.76	10.68	9.030		
1,100.00	1,088.69	1,085.36	1,077.44	5.77	5.65	-98.42	152.39	-1.00	109.76	98.35	11.41	9.616		
1,200.00	1,186.38	1,184.09	1,174.79	6.18	6.03	-102.19	168.84	-1.83	123.69	111.51	12.18	10.155		
1,300.00	1,284.06	1,282.83	1,272.14	6.60	6.43	-105.19	185.28	-2.66	138.04	125.07	12.97	10.643		
1,400.00	1,381.75	1,381.56	1,369.49	7.03	6.83	-107.63	201.72	-3.50	152.70	138.92	13.78	11.080		
1,500.00	1,479.44	1,480.29	1,466.84	7.47	7.23	-109.63	218.17	-4.33	167.58	152.97	14.61	11.470		
1,600.00	1,577.12	1,579.02	1,564.19	7.91	7.65	-111.31	234.61	-5.16	182.62	167.17	15.45	11.820		
1,700.00	1,674.81	1,677.75	1,661.54	8.37	8.07	-112.73	251.06	-5.99	197.80	181.50	16.30	12.132		
1,800.00	1,772.49	1,776.48	1,758.88	8.82	8.49	-113.95	267.50	-6.83	213.08	195.91	17.17	12.412		
1,900.00	1,870.18	1,875.21	1,856.23	9.28	8.92	-115.01	283.94	-7.66	228.44	210.40	18.04	12.665		
2,000.00	1,967.87	1,973.94	1,953.58	9.75	9.35	-115.93	300.39	-8.49	243.87	224.95	18.92	12.892		
2,100.00	2,065.55	2,072.68	2,050.93	10.22	9.78	-116.75	316.83	-9.33	259.35	239.55	19.80	13.099		
2,200.00	2,163.24	2,171.41	2,148.28	10.69	10.22	-117.47	333.28	-10.16	274.87	254.18	20.69	13.286		
2,300.00	2,260.92	2,270.14	2,245.63	11.16	10.66	-118.11	349.72	-10.99	290.44	268.85	21.58	13.457		
2,400.00	2,358.61	2,368.87	2,342.98	11.64	11.10	-118.69	366.17	-11.83	306.03	283.55	22.48	13.613		
2,500.00	2,456.30	2,467.60	2,440.33	12.12	11.54	-119.21	382.61	-12.66	321.66	298.28	23.38	13.756		
2,600.00	2,553.98	2,566.33	2,537.67	12.59	11.99	-119.69	399.05	-13.49	337.31	313.02	24.29	13.887		
2,700.00	2,651.67	2,665.06	2,635.02	13.08	12.43	-120.12	415.50	-14.32	352.98	327.78	25.20	14.009		
2,800.00	2,749.35	2,763.80	2,732.37	13.56	12.88	-120.51	431.94	-15.16	368.66	342.55	26.11	14.121		
2,900.00	2,847.04	2,862.53	2,829.72	14.04	13.33	-120.88	448.39	-15.99	384.36	357.34	27.02	14.225		
3,000.00	2,944.72	2,961.26	2,927.07	14.52	13.78	-121.21	464.83	-16.82	400.08	372.15	27.93	14.322		
3,100.00	3,042.41	3,059.99	3,024.42	15.01	14.23	-121.52	481.28	-17.66	415.81	386.96	28.85	14.412		
3,200.00	3,140.10	3,158.72	3,121.77	15.50	14.68	-121.81	497.72	-18.49	431.55	401.78	29.77	14.496		
3,300.00	3,237.78	3,257.45	3,219.12	15.98	15.13	-122.07	514.16	-19.32	447.30	416.61	30.69	14.575		
3,400.00	3,335.47	3,356.18	3,316.46	16.47	15.58	-122.32	530.61	-20.16	463.06	431.44	31.61	14.648		
3,500.00	3,433.15	3,454.92	3,413.81	16.96	16.03	-122.56	547.05	-20.99	478.82	446.29	32.53	14.717		
3,600.00	3,530.84	3,553.65	3,511.16	17.45	16.49	-122.77	563.50	-21.82	494.59	461.14	33.46	14.782		
3,700.00	3,628.53	3,652.38	3,608.51	17.94	16.94	-122.98	579.94	-22.65	510.37	475.99	34.38	14.844		
3,800.00	3,726.21	3,751.11	3,705.86	18.43	17.40	-123.17	596.39	-23.49	526.16	490.85	35.31	14.902		
3,900.00	3,823.90	3,849.84	3,803.21	18.92	17.85	-123.35	612.83	-24.32	541.95	505.71	36.24	14.956		
4,000.00	3,921.58	3,948.57	3,900.56	19.41	18.31	-123.52	629.27	-25.15	557.75	520.58	37.16	15.008		
4,100.00	4,019.27	4,047.30	3,997.91	19.90	18.76	-123.68	645.72	-25.99	573.55	535.46	38.09	15.057		
4,200.00	4,116.96	4,146.04	4,095.25	20.39	19.22	-123.83	662.16	-26.82	589.35	550.33	39.02	15.103		
4,300.00	4,214.64	4,244.77	4,192.60	20.88	19.67	-123.98	678.61	-27.65	605.16	565.21	39.95	15.147		
4,400.00	4,312.33	4,343.50	4,289.95	21.37	20.13	-124.11	695.05	-28.49	620.97	580.09	40.88	15.189		
4,500.00	4,410.01	4,442.23	4,387.30	21.87	20.59	-124.24	711.49	-29.32	636.79	594.97	41.81	15.229		
4,600.00	4,507.70	4,540.96	4,484.65	22.36	21.05	-124.37	727.94	-30.15	652.61	609.86	42.75	15.267		
4,700.00	4,605.39	4,639.69	4,582.00	22.85	21.50	-124.49	744.38	-30.99	668.43	624.75	43.68	15.304		
4,800.00	4,703.07	4,738.42	4,679.35	23.35	21.96	-124.60	760.83	-31.82	684.25	639.64	44.61	15.338		
4,900.00	4,800.76	4,837.15	4,776.70	23.84	22.42	-124.71	777.27	-32.65	700.08	654.53	45.54	15.371		
5,000.00	4,898.44	4,935.89	4,874.04	24.33	22.88	-124.81	793.72	-33.48	715.91	669.43	46.48	15.403		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,034.62	4,971.39	24.83	23.34	-124.91	810.16	-34.32	731.74	684.33	47.41	15.434		
5,200.00	5,093.82	5,133.35	5,068.74	25.32	23.80	-125.00	826.60	-35.15	747.57	699.22	48.35	15.463		
5,300.00	5,191.50	5,232.08	5,166.09	25.82	24.25	-125.09	843.05	-35.98	763.40	714.12	49.28	15.491		
5,400.00	5,289.19	5,330.81	5,263.44	26.31	24.71	-125.18	859.49	-36.82	779.24	729.02	50.22	15.518		
5,500.00	5,386.87	5,429.54	5,360.79	26.81	25.17	-125.26	875.94	-37.65	795.08	743.93	51.15	15.543		
5,600.00	5,484.56	5,528.27	5,458.14	27.30	25.63	-125.34	892.38	-38.48	810.92	758.83	52.09	15.568		
5,700.00	5,582.25	5,627.01	5,555.49	27.80	26.09	-125.42	908.83	-39.32	826.76	773.74	53.02	15.592		
5,800.00	5,679.93	5,725.74	5,652.83	28.29	26.55	-125.49	925.27	-40.15	842.60	788.64	53.96	15.615		
5,900.00	5,777.62	5,824.47	5,750.18	28.79	27.01	-125.56	941.71	-40.98	858.45	803.55	54.90	15.637		
6,000.00	5,875.30	5,923.20	5,847.53	29.28	27.47	-125.63	958.16	-41.81	874.29	818.46	55.83	15.659		
6,100.00	5,972.99	6,021.93	5,944.88	29.78	27.93	-125.70	974.60	-42.65	890.14	833.37	56.77	15.679		
6,200.00	6,070.67	6,120.66	6,042.23	30.27	28.39	-125.76	991.05	-43.48	905.99	848.28	57.71	15.699		
6,300.00	6,168.36	6,218.35	6,140.80	30.77	28.89	-125.82	1,007.46	-44.31	921.84	863.19	58.65	15.719		
6,400.00	6,266.05	6,316.04	6,238.35	31.26	29.38	-125.88	1,023.87	-45.14	937.69	878.10	59.59	15.739		
6,500.00	6,363.73	6,413.72	6,335.86	31.76	29.88	-125.94	1,040.28	-45.97	953.54	893.01	60.53	15.759		
6,534.50	6,397.43	6,447.42	6,370.06	31.93	29.78	-77.15	1,156.85	894.86	609.16	585.29	23.87	25.520		
6,550.00	6,412.60	6,462.59	6,385.21	32.01	29.82	-67.62	1,156.88	897.18	594.32	570.08	24.24	24.515		
6,600.00	6,461.82	6,511.81	6,430.43	32.24	29.91	-29.85	1,156.95	902.13	546.34	520.78	25.57	21.368		
6,650.00	6,511.25	6,561.24	6,480.86	32.45	29.93	14.31	1,156.96	903.16	498.52	471.39	27.13	18.376		
6,700.00	6,560.58	6,610.57	6,530.29	32.64	29.88	51.13	1,156.93	900.27	451.27	422.27	29.00	15.560		
6,750.00	6,609.51	6,659.50	6,579.72	32.83	29.76	74.93	1,156.83	893.48	405.05	373.76	31.30	12.943		
6,800.00	6,657.74	6,707.73	6,627.95	33.01	29.57	89.23	1,156.69	882.82	360.38	326.24	34.13	10.558		
6,850.00	6,704.97	6,754.96	6,675.18	33.18	29.34	97.56	1,156.50	868.37	317.84	280.16	37.69	8.434		
6,900.00	6,750.90	6,800.89	6,721.11	33.36	29.05	101.90	1,156.25	850.21	278.17	236.07	42.10	6.607		
6,950.00	6,795.26	6,845.25	6,765.47	33.54	28.71	103.29	1,155.96	828.45	242.26	194.77	47.48	5.102		
7,000.00	6,837.77	6,887.76	6,807.98	33.73	28.31	102.22	1,155.62	803.23	211.19	157.44	53.76	3.929		
7,050.00	6,878.17	6,928.16	6,848.38	33.92	28.01	98.95	1,155.24	774.71	186.28	125.71	60.58	3.075		
7,100.00	6,916.21	6,966.20	6,886.40	34.13	27.40	93.67	1,154.81	743.05	168.79	102.32	66.47	2.539		
7,150.00	6,951.66	7,001.65	6,921.87	34.36	26.91	86.70	1,154.35	708.46	159.50	89.13	70.37	2.267		
7,184.76	6,974.66	7,024.65	6,944.87	34.53	26.54	81.14	1,154.00	682.79	157.73	86.43	71.30	2.212		
7,200.00	6,984.29	7,034.28	6,954.50	34.61	26.61	78.60	1,153.84	671.15	158.04	86.55	71.49	2.211 SF		
7,250.00	7,013.91	7,063.90	6,984.12	34.89	26.38	70.20	1,153.31	631.34	162.86	93.27	69.59	2.340		
7,300.00	7,040.34	7,090.33	6,999.55	35.20	26.34	62.31	1,152.74	589.29	171.78	105.28	66.50	2.583		
7,350.00	7,063.40	7,113.39	7,022.61	35.55	26.38	55.81	1,152.07	549.63	183.13	120.09	63.05	2.905		
7,400.00	7,082.97	7,132.96	7,042.18	35.94	26.45	50.12	1,151.03	511.58	196.47	136.82	59.65	3.294		
7,450.00	7,098.91	7,148.90	7,058.12	36.36	26.45	45.13	1,149.65	474.61	211.09	154.44	56.65	3.726		
7,500.00	7,111.13	7,161.12	7,071.14	36.83	26.38	40.80	1,147.96	438.73	226.46	172.21	54.25	4.174		
7,550.00	7,119.55	7,169.54	7,089.55	37.34	26.35	37.06	1,145.96	403.94	242.13	189.63	52.50	4.612		
7,600.00	7,124.13	7,174.12	7,094.14	37.88	26.33	33.82	1,143.68	370.27	257.77	206.39	51.39	5.016		
7,639.68	7,125.00	7,175.00	7,095.01	38.33	26.20	31.56	1,141.68	344.35	269.99	219.08	50.91	5.303		
7,700.00	7,124.48	7,174.47	7,094.49	39.05	26.48	29.41	1,138.42	307.09	290.10	239.52	50.59	5.735		
7,800.00	7,123.60	7,173.59	7,093.61	40.40	26.05	25.98	1,132.69	252.43	330.93	280.25	50.68	6.530		
7,900.00	7,122.72	7,172.71	7,092.73	41.90	26.84	23.02	1,127.04	207.63	380.41	328.78	51.63	7.367		
8,000.00	7,121.84	7,171.83	7,091.85	43.54	26.73	20.40	1,121.33	168.92	437.48	384.64	52.83	8.280		
8,100.00	7,120.97	7,170.96	7,090.96	45.30	26.60	17.95	1,115.15	132.81	501.03	447.22	53.80	9.313		
8,200.00	7,120.09	7,170.08	7,090.08	47.17	26.51	16.41	1,110.78	110.15	569.85	514.29	55.56	10.257		
8,300.00	7,119.21	7,169.20	7,089.21	49.13	26.41	14.95	1,106.16	88.58	643.15	586.29	56.85	11.313		
8,400.00	7,118.33	7,168.32	7,088.33	51.18	26.31	13.63	1,101.59	69.26	720.10	662.20	57.90	12.437		
8,500.00	7,117.46	7,167.45	7,087.46	53.30	26.23	12.71	1,098.11	55.85	800.07	741.07	59.00	13.560		
8,600.00	7,116.58	7,166.57	7,086.58	55.48	26.15	11.77	1,094.27	42.21	882.56	822.76	59.79	14.760		
8,700.00	7,115.70	7,165.69	7,085.70	57.72	26.08	11.13	1,091.46	32.96	967.13	906.53	60.60	15.960		
8,800.00	7,114.82	7,164.81	7,084.82	60.02	26.97	10.11	1,086.66	18.55	1,053.67	992.72	60.95	17.287		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.95	6,700.00	6,603.65	62.36	30.97	10.11	1,086.66	18.55	1,141.34	1,079.48	61.85	18.452		
9,000.00	7,113.07	6,680.10	6,585.91	64.74	30.89	9.50	1,083.57	10.11	1,230.42	1,168.19	62.23	19.772		
9,100.00	7,112.19	6,666.20	6,573.35	67.15	30.84	9.08	1,081.38	4.54	1,320.62	1,258.00	62.63	21.087		
9,200.00	7,111.31	6,650.00	6,558.58	69.60	30.78	8.62	1,078.81	-1.59	1,411.78	1,348.85	62.92	22.437		
9,300.00	7,110.44	6,650.00	6,558.58	72.08	30.78	8.62	1,078.81	-1.59	1,503.79	1,440.43	63.36	23.734		
9,400.00	7,109.56	6,631.39	6,541.42	74.58	30.71	8.11	1,075.83	-8.15	1,596.39	1,532.86	63.53	25.129		
9,500.00	7,108.68	6,621.66	6,532.38	77.10	30.67	7.85	1,074.27	-11.39	1,689.68	1,625.92	63.76	26.502		
9,600.00	7,107.81	6,600.00	6,512.08	79.65	30.58	7.29	1,070.76	-18.07	1,783.69	1,719.84	63.85	27.936		
9,700.00	7,106.93	6,600.00	6,512.08	82.22	30.58	7.29	1,070.76	-18.07	1,877.86	1,813.76	64.10	29.294		
9,800.00	7,106.05	6,600.00	6,512.08	84.80	30.58	7.29	1,070.76	-18.07	1,972.61	1,908.29	64.32	30.669		
9,900.00	7,105.17	6,600.00	6,512.08	87.40	30.58	7.29	1,070.76	-18.07	2,067.86	2,003.35	64.51	32.057		
10,000.00	7,104.30	6,600.00	6,512.08	90.02	30.58	7.29	1,070.76	-18.07	2,163.53	2,098.86	64.67	33.456		
10,100.00	7,103.42	6,576.69	6,490.00	92.64	30.48	6.72	1,066.95	-24.48	2,259.04	2,194.35	64.69	34.922		
10,200.00	7,102.54	6,570.88	6,484.46	95.28	30.46	6.59	1,066.00	-25.95	2,355.12	2,290.32	64.80	36.347		
10,300.00	7,101.66	6,550.00	6,464.44	97.94	30.37	6.11	1,062.56	-30.80	2,451.68	2,386.86	64.82	37.820		
10,400.00	7,100.79	6,550.00	6,464.44	100.60	30.37	6.11	1,062.56	-30.80	2,548.11	2,483.17	64.94	39.236		
10,500.00	7,099.91	6,550.00	6,464.44	103.27	30.37	6.11	1,062.56	-30.80	2,644.81	2,579.76	65.05	40.657		
10,600.00	7,099.03	6,550.00	6,464.44	105.95	30.37	6.11	1,062.56	-30.80	2,741.74	2,676.60	65.15	42.084		
10,700.00	7,098.15	6,550.00	6,464.44	108.64	30.37	6.11	1,062.56	-30.80	2,838.89	2,773.65	65.24	43.515		
10,800.00	7,097.28	6,550.00	6,464.44	111.33	30.37	6.11	1,062.56	-30.80	2,936.23	2,870.91	65.32	44.949		
10,900.00	7,096.40	6,550.00	6,464.44	114.04	30.37	6.11	1,062.56	-30.80	3,033.74	2,968.34	65.40	46.387		
11,000.00	7,095.52	6,550.00	6,464.44	116.74	30.37	6.11	1,062.56	-30.80	3,131.41	3,065.93	65.47	47.826		
11,100.00	7,094.64	6,550.00	6,464.44	119.46	30.37	6.11	1,062.56	-30.80	3,229.22	3,163.68	65.54	49.268		
11,200.00	7,093.77	6,528.47	6,443.65	122.18	30.28	5.64	1,058.99	-35.11	3,326.73	3,261.17	65.55	50.748		
11,300.00	7,092.89	6,525.35	6,440.63	124.91	30.26	5.58	1,058.48	-35.67	3,424.66	3,359.04	65.61	52.195		
11,400.00	7,092.01	6,522.38	6,437.75	127.64	30.25	5.51	1,057.98	-36.20	3,522.68	3,457.01	65.67	53.642		
11,500.00	7,091.13	6,500.00	6,415.96	130.38	30.15	5.06	1,054.26	-39.70	3,621.16	3,555.48	65.68	55.132		
11,600.00	7,090.26	6,500.00	6,415.96	133.12	30.15	5.06	1,054.26	-39.70	3,719.27	3,653.53	65.74	56.572		
11,700.00	7,089.38	6,500.00	6,415.96	135.86	30.15	5.06	1,054.26	-39.70	3,817.49	3,751.68	65.81	58.012		
11,800.00	7,088.50	6,500.00	6,415.96	138.61	30.15	5.06	1,054.26	-39.70	3,915.79	3,849.92	65.87	59.452		
11,900.00	7,087.63	6,500.00	6,415.96	141.36	30.15	5.06	1,054.26	-39.70	4,014.18	3,948.25	65.92	60.891		
12,000.00	7,086.75	6,500.00	6,415.96	144.12	30.15	5.06	1,054.26	-39.70	4,112.64	4,046.66	65.98	62.331		
12,100.00	7,085.87	6,500.00	6,415.96	146.88	30.15	5.06	1,054.26	-39.70	4,211.18	4,145.14	66.04	63.769		
12,200.00	7,084.99	6,500.00	6,415.96	149.64	30.15	5.06	1,054.26	-39.70	4,309.78	4,243.69	66.09	65.206		
12,300.00	7,084.12	6,500.00	6,415.96	152.40	30.15	5.06	1,054.26	-39.70	4,408.45	4,342.30	66.15	66.643		
12,400.00	7,083.24	6,500.00	6,415.96	155.17	30.15	5.06	1,054.26	-39.70	4,507.18	4,440.97	66.21	68.078		
12,500.00	7,082.36	6,500.00	6,415.96	157.94	30.15	5.06	1,054.26	-39.70	4,605.96	4,539.70	66.26	69.512		
12,600.00	7,081.48	6,500.00	6,415.96	160.71	30.15	5.06	1,054.26	-39.70	4,704.79	4,638.48	66.32	70.944		
12,700.00	7,080.61	6,500.00	6,415.96	163.49	30.15	5.06	1,054.26	-39.70	4,803.67	4,737.30	66.37	72.374		
12,800.00	7,079.73	6,500.00	6,415.96	166.27	30.15	5.06	1,054.26	-39.70	4,902.60	4,836.17	66.43	73.803		
12,900.00	7,078.85	6,500.00	6,415.96	169.04	30.15	5.06	1,054.26	-39.70	5,001.57	4,935.09	66.48	75.229		
13,000.00	7,077.97	6,500.00	6,415.96	171.83	30.15	5.06	1,054.26	-39.70	5,100.58	5,034.04	66.54	76.653		
13,100.00	7,077.10	6,500.00	6,415.96	174.61	30.15	5.06	1,054.26	-39.70	5,199.63	5,133.03	66.60	78.075		
13,200.00	7,076.22	6,500.00	6,415.96	177.39	30.15	5.06	1,054.26	-39.70	5,298.71	5,232.06	66.65	79.495		
13,300.00	7,075.34	6,500.00	6,415.96	180.18	30.15	5.06	1,054.26	-39.70	5,397.83	5,331.12	66.71	80.912		
13,400.00	7,074.46	6,500.00	6,415.96	182.97	30.15	5.06	1,054.26	-39.70	5,496.98	5,430.21	66.77	82.327		
13,500.00	7,073.59	6,500.00	6,415.96	185.76	30.15	5.06	1,054.26	-39.70	5,596.16	5,529.33	66.83	83.739		
13,600.00	7,072.71	6,500.00	6,415.96	188.55	30.15	5.06	1,054.26	-39.70	5,695.36	5,628.48	66.89	85.148		
13,700.00	7,071.83	6,500.00	6,415.96	191.34	30.15	5.06	1,054.26	-39.70	5,794.60	5,727.65	66.95	86.555		
13,800.00	7,070.95	6,500.00	6,415.96	194.14	30.15	5.06	1,054.26	-39.70	5,893.86	5,826.85	67.01	87.958		
13,900.00	7,070.08	6,476.91	6,393.37	196.93	30.05	4.61	1,050.41	-42.50	5,992.68	5,925.65	67.04	89.392		
14,000.00	7,069.20	6,475.79	6,392.27	199.73	30.04	4.59	1,050.22	-42.62	6,091.95	6,024.85	67.10	90.791		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	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)			
14,100.00	7,068.32	6,474.70	6,391.20	202.53	30.04	4.57	1,050.04	-42.73	6,191.23	6,124.07	67.16	92.187	
14,200.00	7,067.45	6,473.64	6,390.16	205.33	30.03	4.55	1,049.86	-42.83	6,290.54	6,223.32	67.22	93.580	
14,300.00	7,066.57	6,472.61	6,389.15	208.13	30.03	4.53	1,049.69	-42.93	6,389.86	6,322.58	67.28	94.969	
14,400.00	7,065.69	6,450.00	6,366.93	210.93	29.93	4.12	1,045.91	-44.72	6,489.61	6,422.29	67.32	96.399	
14,500.00	7,064.81	6,450.00	6,366.93	213.73	29.93	4.12	1,045.91	-44.72	6,588.94	6,521.55	67.39	97.779	
14,600.00	7,063.94	6,450.00	6,366.93	216.54	29.93	4.12	1,045.91	-44.72	6,688.29	6,620.83	67.45	99.157	
14,700.00	7,063.06	6,450.00	6,366.93	219.34	29.93	4.12	1,045.91	-44.72	6,787.65	6,720.13	67.52	100.531	
14,800.00	7,062.18	6,450.00	6,366.93	222.15	29.93	4.12	1,045.91	-44.72	6,887.04	6,819.45	67.59	101.901	
14,900.00	7,061.30	6,450.00	6,366.93	224.95	29.93	4.12	1,045.91	-44.72	6,986.44	6,918.79	67.65	103.268	
15,000.00	7,060.43	6,450.00	6,366.93	227.76	29.93	4.12	1,045.91	-44.72	7,085.86	7,018.14	67.72	104.632	
15,100.00	7,059.55	6,450.00	6,366.93	230.57	29.93	4.12	1,045.91	-44.72	7,185.29	7,117.50	67.79	105.992	
15,200.00	7,058.67	6,450.00	6,366.93	233.38	29.93	4.12	1,045.91	-44.72	7,284.74	7,216.88	67.86	107.348	
15,300.00	7,057.79	6,450.00	6,366.93	236.19	29.93	4.12	1,045.91	-44.72	7,384.21	7,316.28	67.93	108.700	
15,400.00	7,056.92	6,450.00	6,366.93	239.00	29.93	4.12	1,045.91	-44.72	7,483.69	7,415.69	68.00	110.049	
15,500.00	7,056.04	6,450.00	6,366.93	241.81	29.93	4.12	1,045.91	-44.72	7,583.18	7,515.11	68.08	111.393	
15,600.00	7,055.16	6,450.00	6,366.93	244.62	29.93	4.12	1,045.91	-44.72	7,682.69	7,614.54	68.15	112.734	
15,700.00	7,054.28	6,450.00	6,366.93	247.43	29.93	4.12	1,045.91	-44.72	7,782.21	7,713.99	68.22	114.071	
15,800.00	7,053.41	6,450.00	6,366.93	250.25	29.93	4.12	1,045.91	-44.72	7,881.74	7,813.44	68.30	115.404	
15,846.35	7,053.00	6,450.00	6,366.93	251.55	29.93	4.12	1,045.91	-44.72	7,927.88	7,859.54	68.33	116.021	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-179.24	-17.54	180.10					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-179.24	-17.54	180.10	173.53	6.57	27.414		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-179.24	-17.54	180.10	173.42	6.67	26.984 CC, ES		
300.00	299.98	294.04	294.03	3.44	3.43	141.42	-180.74	-17.91	183.08	176.19	6.89	26.581		
400.00	399.84	387.49	387.36	3.61	3.57	142.42	-185.20	-19.00	192.07	184.86	7.21	26.633		
500.00	499.45	479.77	479.33	3.81	3.75	143.86	-192.49	-20.80	207.13	199.50	7.63	27.147		
600.00	598.70	570.34	569.31	4.06	3.96	145.53	-202.45	-23.25	228.31	220.19	8.12	28.113		
700.00	697.47	658.68	656.72	4.35	4.19	147.22	-214.82	-26.29	255.60	246.93	8.66	29.501		
800.00	795.62	744.34	741.07	4.66	4.45	148.80	-229.31	-29.86	288.89	279.65	9.24	31.262		
817.50	812.73	759.03	755.49	4.73	4.50	149.05	-232.04	-30.53	295.33	285.98	9.35	31.582		
900.00	893.32	827.36	822.36	5.01	4.73	150.44	-245.68	-33.89	327.08	317.25	9.83	33.272		
1,000.00	991.01	908.35	901.16	5.38	5.03	151.78	-263.85	-38.36	368.17	357.75	10.42	35.332		
1,100.00	1,088.69	987.28	977.41	5.77	5.34	152.81	-283.62	-43.22	411.93	400.91	11.02	37.391		
1,200.00	1,186.38	1,064.11	1,051.06	6.18	5.67	153.62	-304.83	-48.44	458.20	446.59	11.61	39.454		
1,300.00	1,284.06	1,138.81	1,122.09	6.60	6.01	154.24	-327.28	-53.97	506.87	494.66	12.21	41.524		
1,400.00	1,381.75	1,211.37	1,190.49	7.03	6.35	154.73	-350.80	-59.75	557.79	545.00	12.79	43.606		
1,500.00	1,479.44	1,308.31	1,265.66	7.47	6.83	155.17	-378.28	-66.52	610.39	596.89	13.51	45.189		
1,600.00	1,577.12	1,376.57	1,345.06	7.91	7.18	155.56	-407.41	-73.69	663.14	649.01	14.13	46.917		
1,700.00	1,674.81	1,461.44	1,424.46	8.37	7.63	155.89	-436.55	-80.85	715.91	701.06	14.85	48.209		
1,800.00	1,772.49	1,546.32	1,503.86	8.82	8.09	156.17	-465.68	-88.02	768.69	753.10	15.58	49.333		
1,900.00	1,870.18	1,631.20	1,583.26	9.28	8.55	156.42	-494.81	-95.19	821.48	805.15	16.33	50.314		
2,000.00	1,967.87	1,716.08	1,662.65	9.75	9.02	156.64	-523.95	-102.36	874.28	857.20	17.08	51.174		
2,100.00	2,065.55	1,800.96	1,742.05	10.22	9.50	156.83	-553.08	-109.53	927.09	909.24	17.85	51.930		
2,200.00	2,163.24	1,885.84	1,821.45	10.69	9.98	157.01	-582.21	-116.70	979.91	961.28	18.63	52.599		
2,300.00	2,260.92	1,970.72	1,900.85	11.16	10.46	157.16	-611.35	-123.87	1,032.73	1,013.31	19.41	53.192		
2,400.00	2,358.61	2,055.60	1,980.25	11.64	10.95	157.30	-640.48	-131.04	1,085.56	1,065.35	20.21	53.721		
2,500.00	2,456.30	2,140.47	2,059.65	12.12	11.44	157.43	-669.61	-138.21	1,138.39	1,117.38	21.01	54.194		
2,600.00	2,553.98	2,225.35	2,139.05	12.59	11.94	157.55	-698.75	-145.38	1,191.22	1,169.41	21.81	54.618		
2,700.00	2,651.67	2,310.23	2,218.45	13.08	12.43	157.65	-727.88	-152.55	1,244.06	1,221.44	22.62	55.000		
2,800.00	2,749.35	2,404.89	2,297.85	13.56	12.99	157.75	-757.01	-159.71	1,296.91	1,273.42	23.48	55.228		
2,900.00	2,847.04	2,479.99	2,377.25	14.04	13.43	157.84	-786.15	-166.88	1,349.75	1,325.50	24.25	55.658		
3,000.00	2,944.72	2,564.87	2,456.65	14.52	13.94	157.92	-815.28	-174.05	1,402.60	1,377.52	25.07	55.942		
3,100.00	3,042.41	2,649.75	2,536.05	15.01	14.44	158.00	-844.41	-181.22	1,455.44	1,429.55	25.90	56.201		
3,200.00	3,140.10	2,734.63	2,615.45	15.50	14.95	158.07	-873.55	-188.39	1,508.29	1,481.57	26.72	56.438		
3,300.00	3,237.78	2,819.50	2,694.84	15.98	15.45	158.14	-902.68	-195.56	1,561.15	1,533.59	27.56	56.655		
3,400.00	3,335.47	2,904.38	2,774.24	16.47	15.96	158.20	-931.81	-202.73	1,614.00	1,585.61	28.39	56.854		
3,500.00	3,433.15	2,989.26	2,853.64	16.96	16.47	158.26	-960.95	-209.90	1,666.85	1,637.63	29.22	57.038		
3,600.00	3,530.84	3,074.14	2,933.04	17.45	16.98	158.31	-990.08	-217.07	1,719.71	1,689.65	30.06	57.207		
3,700.00	3,628.53	3,159.02	3,012.44	17.94	17.49	158.37	-1,019.22	-224.24	1,772.57	1,741.67	30.90	57.364		
3,800.00	3,726.21	3,243.90	3,091.84	18.43	18.00	158.41	-1,048.35	-231.40	1,825.42	1,793.68	31.74	57.509		
3,900.00	3,823.90	3,328.78	3,171.24	18.92	18.51	158.46	-1,077.48	-238.57	1,878.28	1,845.70	32.58	57.644		
4,000.00	3,921.58	3,413.65	3,250.64	19.41	19.02	158.50	-1,106.62	-245.74	1,931.14	1,897.71	33.43	57.769		
4,100.00	4,019.27	3,498.53	3,330.04	19.90	19.54	158.55	-1,135.75	-252.91	1,984.00	1,949.73	34.27	57.885		
4,200.00	4,116.96	3,583.41	3,409.44	20.39	20.05	158.58	-1,164.88	-260.08	2,036.86	2,001.74	35.12	57.994		
4,300.00	4,214.64	3,672.27	3,492.56	20.88	20.59	158.62	-1,195.38	-267.59	2,089.72	2,053.71	36.01	58.028		
4,400.00	4,312.33	3,761.14	3,579.85	21.37	21.09	158.65	-1,226.97	-275.37	2,143.77	2,109.74	36.93	58.168		
4,500.00	4,410.01	3,850.00	3,672.55	21.87	21.61	158.68	-1,259.62	-283.74	2,198.86	2,167.86	37.86	58.313		
4,600.00	4,507.70	3,938.86	3,769.85	22.36	22.11	158.71	-1,293.33	-292.71	2,255.00	2,228.99	38.80	58.463		
4,700.00	4,605.39	4,027.71	3,872.14	22.85	22.60	158.74	-1,328.09	-302.28	2,312.19	2,289.16	39.74	58.618		
4,800.00	4,703.07	4,116.56	3,974.43	23.34	23.09	158.77	-1,363.90	-312.45	2,370.42	2,350.61	40.68	58.778		
4,900.00	4,800.76	4,205.41	4,076.72	23.83	23.58	158.80	-1,399.75	-323.22	2,429.69	2,415.96	41.62	58.942		
5,000.00	4,898.44	4,294.26	4,179.01	24.33	24.08	158.83	-1,436.64	-334.60	2,489.99	2,482.24	42.56	59.110		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,202.15	4,996.13	24.83	26.96	160.82	-1,373.06	-311.31	2,301.97	2,254.37	47.60	48.365		
5,200.00	5,093.82	5,304.46	5,093.82	25.32	27.29	160.99	-1,373.06	-311.31	2,322.23	2,273.81	48.42	47.958		
5,300.00	5,191.50	5,406.78	5,191.50	25.82	27.61	161.16	-1,373.06	-311.31	2,342.51	2,293.26	49.25	47.562		
5,400.00	5,289.19	5,509.09	5,289.19	26.31	27.94	161.33	-1,373.06	-311.31	2,362.81	2,312.73	50.08	47.177		
5,500.00	5,386.87	5,588.59	5,386.87	26.81	28.20	161.49	-1,373.06	-311.31	2,383.13	2,332.29	50.84	46.878		
5,600.00	5,484.56	5,686.28	5,484.56	27.30	28.51	161.65	-1,373.06	-311.31	2,403.47	2,351.81	51.66	46.528		
5,700.00	5,582.25	5,783.97	5,582.25	27.80	28.84	161.81	-1,373.06	-311.31	2,423.82	2,371.34	52.48	46.187		
5,800.00	5,679.93	5,881.65	5,679.93	28.29	29.16	161.97	-1,373.06	-311.31	2,444.20	2,390.89	53.30	45.854		
5,900.00	5,777.62	5,979.34	5,777.62	28.79	29.49	162.12	-1,373.06	-311.31	2,464.59	2,410.46	54.13	45.531		
6,000.00	5,875.30	6,077.02	5,875.30	29.28	29.82	162.27	-1,373.06	-311.31	2,485.00	2,430.04	54.96	45.216		
6,100.00	5,972.99	6,174.71	5,972.99	29.78	30.15	162.42	-1,373.06	-311.31	2,505.42	2,449.63	55.79	44.909		
6,200.00	6,070.67	6,272.41	6,070.67	30.27	30.48	138.88	-1,369.30	859.62	2,519.73	2,455.00	64.73	38.929		
6,300.00	6,168.36	6,370.10	6,168.36	30.77	30.80	138.53	-1,369.25	874.76	2,490.07	2,423.39	66.68	37.346		
6,400.00	6,266.05	6,467.79	6,266.05	31.26	31.12	138.17	-1,369.20	889.91	2,464.02	2,395.44	68.58	35.927		
6,500.00	6,363.73	6,565.47	6,363.73	31.76	31.44	137.81	-1,369.16	905.06	2,441.70	2,371.26	70.44	34.665		
6,534.50	6,397.43	6,599.09	6,397.43	31.93	31.61	137.68	-1,369.14	910.29	2,434.89	2,363.82	71.06	34.264		
6,550.00	6,412.60	6,614.25	6,412.60	32.01	31.69	142.17	-1,369.13	912.45	2,431.96	2,360.62	71.34	34.092		
6,600.00	6,461.82	6,663.57	6,461.82	32.24	31.92	162.90	-1,369.12	916.87	2,423.03	2,350.88	72.15	33.583		
6,650.00	6,511.25	6,713.00	6,511.25	32.45	32.13	-168.77	-1,369.12	917.37	2,414.92	2,342.07	72.86	33.146		
6,700.00	6,560.58	6,762.33	6,560.58	32.64	32.32	-144.26	-1,369.13	913.95	2,407.71	2,334.25	73.45	32.779		
6,750.00	6,609.51	6,811.26	6,609.51	32.83	32.51	-128.87	-1,369.15	906.63	2,401.42	2,327.48	73.94	32.477		
6,800.00	6,657.74	6,859.49	6,657.74	33.01	32.69	-119.66	-1,369.19	895.45	2,396.07	2,321.74	74.32	32.239		
6,850.00	6,704.97	6,906.72	6,704.97	33.18	32.86	-113.78	-1,369.24	880.49	2,391.64	2,317.04	74.60	32.060		
6,900.00	6,750.90	6,952.65	6,750.90	33.36	33.04	-109.71	-1,369.30	861.84	2,388.09	2,313.32	74.77	31.938		
6,950.00	6,795.26	6,997.01	6,795.26	33.54	33.22	-106.67	-1,369.37	839.61	2,385.37	2,310.52	74.85	31.870		
7,000.00	6,837.77	7,039.52	6,837.77	33.73	33.41	-104.26	-1,369.45	813.93	2,383.40	2,308.55	74.85	31.844		
7,050.00	6,878.17	7,079.92	6,878.17	33.92	33.60	-102.25	-1,369.54	784.97	2,382.08	2,307.31	74.77	31.859		
7,100.00	6,916.21	7,117.96	6,916.21	34.13	33.81	-100.51	-1,369.64	752.91	2,381.30	2,306.68	74.62	31.913		
7,150.00	6,951.66	7,153.41	6,951.66	34.36	34.03	-98.99	-1,369.76	717.94	2,380.96	2,306.54	74.42	31.993		
7,181.43	6,972.52	7,174.05	6,972.52	34.52	34.19	-98.12	-1,369.83	694.57	2,380.91	2,306.62	74.29	32.049		
7,200.00	6,984.29	7,185.72	6,984.29	34.61	34.28	-97.64	-1,369.88	680.28	2,380.92	2,306.72	74.20	32.089		
7,250.00	7,013.91	7,215.34	7,013.91	34.89	34.56	-96.43	-1,370.01	640.16	2,381.07	2,307.14	73.94	32.204		
7,300.00	7,040.34	7,241.77	7,040.34	35.20	34.87	-95.38	-1,370.14	597.83	2,381.29	2,307.60	73.69	32.313		
7,350.00	7,063.40	7,264.83	7,063.40	35.55	35.20	-94.48	-1,370.28	553.55	2,381.47	2,308.02	73.45	32.423		
7,400.00	7,082.97	7,283.39	7,082.97	35.94	35.59	-93.73	-1,370.43	507.59	2,381.50	2,308.26	73.24	32.518		
7,450.00	7,098.91	7,299.03	7,098.91	36.36	36.01	-93.15	-1,370.58	460.24	2,381.29	2,308.23	73.06	32.593		
7,500.00	7,111.13	7,311.15	7,111.13	36.83	36.48	-92.74	-1,370.74	411.78	2,380.78	2,307.85	72.93	32.644		
7,550.00	7,119.55	7,319.57	7,119.55	37.34	36.99	-92.50	-1,370.90	362.52	2,379.91	2,307.04	72.86	32.662		
7,600.00	7,124.13	7,323.15	7,124.13	37.88	37.53	-92.43	-1,371.06	310.42	2,378.63	2,305.82	72.81	32.670		
7,639.68	7,125.00	7,324.05	7,125.00	38.33	37.98	-92.46	-1,371.22	263.35	2,377.22	2,304.47	72.75	32.676		
7,700.00	7,124.48	7,323.62	7,124.48	39.05	38.70	-92.22	-1,371.44	193.78	2,374.67	2,301.87	72.79	32.622		
7,800.00	7,123.60	7,322.07	7,123.60	40.40	39.99	-91.47	-1,371.77	89.07	2,370.08	2,296.81	73.27	32.349		
7,900.00	7,122.72	7,321.19	7,122.72	41.90	40.49	-90.46	-1,372.05	2.34	2,365.64	2,291.45	74.19	31.885		
8,000.00	7,121.84	7,320.31	7,121.84	43.54	42.05	-89.36	-1,372.27	-65.74	2,362.14	2,286.68	75.47	31.301		
8,100.00	7,120.97	7,319.43	7,120.97	45.30	43.80	-88.27	-1,372.44	-117.65	2,360.33	2,283.36	76.97	30.664		
8,131.26	7,120.69	7,319.15	7,120.69	45.88	44.38	-87.95	-1,372.48	-131.10	2,360.22	2,282.72	77.50	30.456		
8,200.00	7,120.09	7,318.55	7,120.09	47.17	45.66	-87.27	-1,372.56	-156.83	2,360.83	2,282.17	78.65	30.016		
8,300.00	7,119.21	7,317.67	7,119.21	49.13	47.62	-86.39	-1,372.66	-186.24	2,364.09	2,283.65	80.45	29.387		
8,400.00	7,118.33	7,316.79	7,118.33	51.18	49.67	-85.59	-1,372.73	-208.99	2,370.47	2,288.16	82.31	28.799		
8,500.00	7,117.46	7,315.91	7,117.46	53.30	51.79	-84.91	-1,372.79	-226.37	2,380.19	2,295.97	84.22	28.261		
8,600.00	7,116.58	7,315.03	7,116.58	55.48	53.97	-84.35	-1,372.83	-239.22	2,393.40	2,307.24	86.16	27.779		
8,700.00	7,115.70	7,314.15	7,115.70	57.72	56.21	-83.79	-1,372.87	-250.68	2,410.18	2,322.11	88.07	27.367		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	7,050.00	6,841.44	60.02	33.20	-83.26	-1,372.90	-260.57	2,430.56	2,340.62	89.94	27.025		
8,900.00	7,113.95	7,035.07	6,827.63	62.36	33.15	-82.93	-1,372.92	-266.25	2,454.52	2,362.72	91.80	26.738		
9,000.00	7,113.07	7,019.09	6,812.72	64.74	33.10	-82.57	-1,372.93	-271.96	2,482.02	2,388.44	93.58	26.522		
9,100.00	7,112.19	7,000.00	6,794.71	67.15	33.03	-82.14	-1,372.95	-278.30	2,513.00	2,417.74	95.26	26.379		
9,200.00	7,111.31	7,000.00	6,794.71	69.60	33.03	-82.14	-1,372.95	-278.30	2,547.37	2,450.40	96.97	26.270		
9,300.00	7,110.44	6,981.25	6,776.84	72.08	32.97	-81.72	-1,372.97	-284.00	2,584.96	2,486.49	98.47	26.251 SF		
9,400.00	7,109.56	6,971.18	6,767.18	74.58	32.94	-81.49	-1,372.98	-286.84	2,625.73	2,525.80	99.92	26.277		
9,500.00	7,108.68	6,950.00	6,746.73	77.10	32.86	-81.00	-1,373.00	-292.32	2,669.61	2,568.39	101.22	26.374		
9,600.00	7,107.81	6,950.00	6,746.73	79.65	32.86	-81.00	-1,373.00	-292.32	2,716.21	2,613.67	102.54	26.489		
9,700.00	7,106.93	6,950.00	6,746.73	82.22	32.86	-81.00	-1,373.00	-292.32	2,765.65	2,661.89	103.76	26.653		
9,800.00	7,106.05	6,950.00	6,746.73	84.80	32.86	-81.00	-1,373.00	-292.32	2,817.78	2,712.88	104.89	26.864		
9,900.00	7,105.17	6,950.00	6,746.73	87.40	32.86	-81.00	-1,373.00	-292.32	2,872.44	2,766.50	105.93	27.116		
10,000.00	7,104.30	6,927.31	6,724.62	90.02	32.78	-80.48	-1,373.02	-297.42	2,929.15	2,822.37	106.78	27.433		
10,100.00	7,103.42	6,921.94	6,719.36	92.64	32.77	-80.35	-1,373.02	-298.52	2,988.27	2,880.64	107.63	27.765		
10,200.00	7,102.54	6,900.00	6,697.79	95.28	32.69	-79.84	-1,373.03	-302.52	3,049.69	2,941.37	108.32	28.155		
10,300.00	7,101.66	6,900.00	6,697.79	97.94	32.69	-79.84	-1,373.03	-302.52	3,112.79	3,003.74	109.05	28.544		
10,400.00	7,100.79	6,900.00	6,697.79	100.60	32.69	-79.84	-1,373.03	-302.52	3,177.79	3,068.07	109.72	28.962		
10,500.00	7,099.91	6,900.00	6,697.79	103.27	32.69	-79.84	-1,373.03	-302.52	3,244.58	3,134.24	110.33	29.407		
10,600.00	7,099.03	6,900.00	6,697.79	105.95	32.69	-79.84	-1,373.03	-302.52	3,313.03	3,202.15	110.88	29.879		
10,700.00	7,098.15	6,900.00	6,697.79	108.64	32.69	-79.84	-1,373.03	-302.52	3,383.06	3,271.67	111.38	30.373		
10,800.00	7,097.28	6,900.00	6,697.79	111.33	32.69	-79.84	-1,373.03	-302.52	3,454.56	3,342.72	111.83	30.890		
10,900.00	7,096.40	6,900.00	6,697.79	114.04	32.69	-79.84	-1,373.03	-302.52	3,527.44	3,415.20	112.24	31.428		
11,000.00	7,095.52	6,900.00	6,697.79	116.74	32.69	-79.84	-1,373.03	-302.52	3,601.63	3,489.03	112.61	31.985		
11,100.00	7,094.64	6,900.00	6,697.79	119.46	32.69	-79.84	-1,373.03	-302.52	3,677.04	3,564.11	112.93	32.559		
11,200.00	7,093.77	6,900.00	6,697.79	122.18	32.69	-79.84	-1,373.03	-302.52	3,753.60	3,640.37	113.23	33.150		
11,300.00	7,092.89	6,879.48	6,677.50	124.91	32.62	-79.37	-1,373.04	-305.59	3,830.92	3,717.51	113.42	33.777		
11,400.00	7,092.01	6,877.12	6,675.16	127.64	32.61	-79.31	-1,373.04	-305.90	3,909.50	3,795.85	113.65	34.400		
11,500.00	7,091.13	6,874.88	6,672.94	130.38	32.60	-79.26	-1,373.04	-306.19	3,989.03	3,875.17	113.85	35.037		
11,600.00	7,090.26	6,872.75	6,670.83	133.12	32.59	-79.21	-1,373.04	-306.46	4,069.45	3,955.41	114.04	35.686		
11,700.00	7,089.38	6,870.72	6,668.81	135.86	32.58	-79.16	-1,373.04	-306.70	4,150.72	4,036.52	114.20	36.347		
11,800.00	7,088.50	6,850.00	6,648.21	138.61	32.51	-78.68	-1,373.05	-308.86	4,233.06	4,118.79	114.27	37.045		
11,900.00	7,087.63	6,850.00	6,648.21	141.36	32.51	-78.68	-1,373.05	-308.86	4,315.82	4,201.42	114.40	37.725		
12,000.00	7,086.75	6,850.00	6,648.21	144.12	32.51	-78.68	-1,373.05	-308.86	4,399.30	4,284.78	114.52	38.414		
12,100.00	7,085.87	6,850.00	6,648.21	146.88	32.51	-78.68	-1,373.05	-308.86	4,483.46	4,368.83	114.63	39.113		
12,200.00	7,084.99	6,850.00	6,648.21	149.64	32.51	-78.68	-1,373.05	-308.86	4,568.25	4,453.53	114.72	39.820		
12,300.00	7,084.12	6,850.00	6,648.21	152.40	32.51	-78.68	-1,373.05	-308.86	4,653.65	4,538.85	114.80	40.536		
12,400.00	7,083.24	6,850.00	6,648.21	155.17	32.51	-78.68	-1,373.05	-308.86	4,739.62	4,624.75	114.88	41.259		
12,500.00	7,082.36	6,850.00	6,648.21	157.94	32.51	-78.68	-1,373.05	-308.86	4,826.13	4,711.20	114.94	41.989		
12,600.00	7,081.48	6,850.00	6,648.21	160.71	32.51	-78.68	-1,373.05	-308.86	4,913.16	4,798.17	114.99	42.727		
12,700.00	7,080.61	6,850.00	6,648.21	163.49	32.51	-78.68	-1,373.05	-308.86	5,000.67	4,885.63	115.03	43.471		
12,800.00	7,079.73	6,850.00	6,648.21	166.27	32.51	-78.68	-1,373.05	-308.86	5,088.63	4,973.56	115.07	44.221		
12,900.00	7,078.85	6,850.00	6,648.21	169.04	32.51	-78.68	-1,373.05	-308.86	5,177.04	5,061.94	115.10	44.977		
13,000.00	7,077.97	6,850.00	6,648.21	171.83	32.51	-78.68	-1,373.05	-308.86	5,265.86	5,150.73	115.13	45.738		
13,100.00	7,077.10	6,850.00	6,648.21	174.61	32.51	-78.68	-1,373.05	-308.86	5,355.08	5,239.92	115.15	46.504		
13,200.00	7,076.22	6,850.00	6,648.21	177.39	32.51	-78.68	-1,373.05	-308.86	5,444.66	5,329.50	115.17	47.275		
13,300.00	7,075.34	6,850.00	6,648.21	180.18	32.51	-78.68	-1,373.05	-308.86	5,534.61	5,419.43	115.18	48.051		
13,400.00	7,074.46	6,850.00	6,648.21	182.97	32.51	-78.68	-1,373.05	-308.86	5,624.90	5,509.71	115.19	48.831		
13,500.00	7,073.59	6,850.00	6,648.21	185.76	32.51	-78.68	-1,373.05	-308.86	5,715.51	5,600.31	115.20	49.615		
13,600.00	7,072.71	6,850.00	6,648.21	188.55	32.51	-78.68	-1,373.05	-308.86	5,806.42	5,691.22	115.20	50.403		
13,700.00	7,071.83	6,850.00	6,648.21	191.34	32.51	-78.68	-1,373.05	-308.86	5,897.63	5,782.43	115.20	51.194		
13,800.00	7,070.95	6,850.00	6,648.21	194.14	32.51	-78.68	-1,373.05	-308.86	5,989.13	5,873.93	115.20	51.989		
13,900.00	7,070.08	6,850.00	6,648.21	196.93	32.51	-78.68	-1,373.05	-308.86	6,080.89	5,965.69	115.20	52.787		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	6,850.00	6,648.21	199.73	32.51	-78.68	-1,373.05	-308.86	6,172.90	6,057.71	115.19	53.589		
14,100.00	7,068.32	6,850.00	6,648.21	202.53	32.51	-78.68	-1,373.05	-308.86	6,265.16	6,149.98	115.18	54.393		
14,200.00	7,067.45	6,850.00	6,648.21	205.33	32.51	-78.68	-1,373.05	-308.86	6,357.66	6,242.48	115.18	55.199		
14,300.00	7,066.57	6,850.00	6,648.21	208.13	32.51	-78.68	-1,373.05	-308.86	6,450.38	6,335.21	115.17	56.009		
14,400.00	7,065.69	6,850.00	6,648.21	210.93	32.51	-78.68	-1,373.05	-308.86	6,543.31	6,428.15	115.16	56.820		
14,500.00	7,064.81	6,850.00	6,648.21	213.73	32.51	-78.68	-1,373.05	-308.86	6,636.45	6,521.30	115.15	57.634		
14,600.00	7,063.94	6,850.00	6,648.21	216.54	32.51	-78.68	-1,373.05	-308.86	6,729.78	6,614.65	115.14	58.450		
14,700.00	7,063.06	6,850.00	6,648.21	219.34	32.51	-78.68	-1,373.05	-308.86	6,823.31	6,708.18	115.13	59.269		
14,800.00	7,062.18	6,850.00	6,648.21	222.15	32.51	-78.68	-1,373.05	-308.86	6,917.01	6,801.90	115.11	60.089		
14,900.00	7,061.30	6,850.00	6,648.21	224.95	32.51	-78.68	-1,373.05	-308.86	7,010.89	6,895.79	115.10	60.910		
15,000.00	7,060.43	6,850.00	6,648.21	227.76	32.51	-78.68	-1,373.05	-308.86	7,104.94	6,989.85	115.09	61.734		
15,100.00	7,059.55	6,850.00	6,648.21	230.57	32.51	-78.68	-1,373.05	-308.86	7,199.14	7,084.07	115.08	62.559		
15,200.00	7,058.67	6,850.00	6,648.21	233.38	32.51	-78.68	-1,373.05	-308.86	7,293.51	7,178.44	115.07	63.385		
15,300.00	7,057.79	6,850.00	6,648.21	236.19	32.51	-78.68	-1,373.05	-308.86	7,388.01	7,272.96	115.05	64.213		
15,400.00	7,056.92	6,850.00	6,648.21	239.00	32.51	-78.68	-1,373.05	-308.86	7,482.67	7,367.62	115.04	65.042		
15,500.00	7,056.04	6,850.00	6,648.21	241.81	32.51	-78.68	-1,373.05	-308.86	7,577.46	7,462.42	115.03	65.873		
15,600.00	7,055.16	6,850.00	6,648.21	244.62	32.51	-78.68	-1,373.05	-308.86	7,672.38	7,557.36	115.02	66.704		
15,700.00	7,054.28	6,850.00	6,648.21	247.43	32.51	-78.68	-1,373.05	-308.86	7,767.43	7,652.42	115.01	67.537		
15,800.00	7,053.41	6,850.00	6,648.21	250.25	32.51	-78.68	-1,373.05	-308.86	7,862.60	7,747.60	115.00	68.370		
15,846.35	7,053.00	6,850.00	6,648.21	251.55	32.51	-78.68	-1,373.05	-308.86	7,906.75	7,791.75	115.00	68.757		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-174.39	-164.30	-16.15	165.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.39	-164.30	-16.15	165.09	158.52	6.57	25.130		
200.00	200.00	200.00	200.00	3.34	3.34	-174.39	-164.30	-16.15	165.09	158.42	6.67	24.736 CC, ES		
300.00	299.98	294.55	294.53	3.44	3.43	141.51	-165.79	-16.60	168.07	161.18	6.89	24.400 SF		
400.00	399.84	388.49	388.36	3.61	3.57	142.68	-170.23	-17.95	177.06	169.85	7.21	24.546		
500.00	499.45	481.23	480.78	3.81	3.75	144.37	-177.49	-20.17	192.15	184.52	7.63	25.172		
600.00	598.70	572.21	571.17	4.06	3.96	146.29	-187.40	-23.19	213.42	205.29	8.13	26.262		
700.00	697.47	660.95	658.96	4.35	4.20	148.22	-199.70	-26.93	240.87	232.20	8.67	27.781		
800.00	795.62	755.14	751.93	4.66	4.49	150.18	-214.12	-31.33	272.98	263.74	9.24	29.550		
817.50	812.73	771.50	768.09	4.73	4.54	150.51	-216.62	-32.09	278.93	269.59	9.35	29.845		
900.00	893.32	848.55	844.14	5.01	4.80	152.15	-228.42	-35.69	307.33	297.50	9.83	31.259		
1,000.00	991.01	941.94	936.33	5.38	5.13	153.79	-242.72	-40.05	342.01	331.54	10.46	32.684		
1,100.00	1,088.69	1,035.33	1,028.52	5.77	5.48	155.12	-257.01	-44.40	376.88	365.75	11.13	33.866		
1,200.00	1,186.38	1,128.72	1,120.71	6.18	5.84	156.23	-271.31	-48.76	411.90	400.08	11.82	34.845		
1,300.00	1,284.06	1,222.11	1,212.89	6.60	6.22	157.17	-285.61	-53.12	447.04	434.50	12.54	35.658		
1,400.00	1,381.75	1,315.51	1,305.08	7.03	6.60	157.97	-299.91	-57.48	482.27	468.99	13.27	36.335		
1,500.00	1,479.44	1,408.90	1,397.27	7.47	6.99	158.66	-314.21	-61.83	517.57	503.54	14.03	36.902		
1,600.00	1,577.12	1,502.29	1,489.46	7.91	7.39	159.26	-328.51	-66.19	552.92	538.13	14.79	37.380		
1,700.00	1,674.81	1,604.32	1,581.65	8.37	7.83	159.79	-342.80	-70.55	588.33	572.72	15.61	37.698		
1,800.00	1,772.49	1,689.07	1,673.83	8.82	8.21	160.26	-357.10	-74.91	623.77	607.41	16.36	38.128		
1,900.00	1,870.18	1,782.47	1,766.02	9.28	8.62	160.68	-371.40	-79.27	659.25	642.09	17.16	38.422		
2,000.00	1,967.87	1,875.86	1,858.21	9.75	9.04	161.06	-385.70	-83.62	694.75	676.79	17.96	38.674		
2,100.00	2,065.55	1,969.25	1,950.40	10.22	9.46	161.40	-400.00	-87.98	730.28	711.50	18.78	38.892		
2,200.00	2,163.24	2,062.64	2,042.59	10.69	9.88	161.71	-414.30	-92.34	765.83	746.23	19.60	39.082		
2,300.00	2,260.92	2,156.03	2,134.77	11.16	10.31	161.99	-428.59	-96.70	801.39	780.97	20.42	39.247		
2,400.00	2,358.61	2,249.43	2,226.96	11.64	10.74	162.25	-442.89	-101.05	836.97	815.73	21.25	39.391		
2,500.00	2,456.30	2,342.82	2,319.15	12.12	11.16	162.48	-457.19	-105.41	872.57	850.49	22.08	39.518		
2,600.00	2,553.98	2,436.21	2,411.34	12.59	11.60	162.70	-471.49	-109.77	908.18	885.26	22.92	39.630		
2,700.00	2,651.67	2,529.60	2,503.53	13.08	12.03	162.90	-485.79	-114.13	943.79	920.04	23.76	39.729		
2,800.00	2,749.35	2,623.00	2,595.71	13.56	12.46	163.09	-500.09	-118.49	979.42	954.82	24.60	39.817		
2,900.00	2,847.04	2,716.39	2,687.90	14.04	12.90	163.27	-514.38	-122.84	1,015.06	989.61	25.44	39.895		
3,000.00	2,944.72	2,809.78	2,780.09	14.52	13.34	163.43	-528.68	-127.20	1,050.70	1,024.41	26.29	39.965		
3,100.00	3,042.41	2,903.17	2,872.28	15.01	13.77	163.58	-542.98	-131.56	1,086.35	1,059.21	27.14	40.027		
3,200.00	3,140.10	2,996.56	2,964.47	15.50	14.21	163.72	-557.28	-135.92	1,122.01	1,094.02	27.99	40.083		
3,300.00	3,237.78	3,089.96	3,056.66	15.98	14.65	163.85	-571.58	-140.28	1,157.67	1,128.82	28.85	40.134		
3,400.00	3,335.47	3,183.35	3,148.84	16.47	15.09	163.98	-585.88	-144.63	1,193.34	1,163.64	29.70	40.179		
3,500.00	3,433.15	3,276.74	3,241.03	16.96	15.53	164.10	-600.17	-148.99	1,229.01	1,198.45	30.56	40.220		
3,600.00	3,530.84	3,370.13	3,333.22	17.45	15.97	164.21	-614.47	-153.35	1,264.69	1,233.27	31.41	40.258		
3,700.00	3,628.53	3,463.52	3,425.41	17.94	16.41	164.31	-628.77	-157.71	1,300.37	1,268.09	32.27	40.291		
3,800.00	3,726.21	3,556.92	3,517.60	18.43	16.86	164.41	-643.07	-162.06	1,336.05	1,302.92	33.13	40.322		
3,900.00	3,823.90	3,650.31	3,609.78	18.92	17.30	164.51	-657.37	-166.42	1,371.74	1,337.74	34.00	40.350		
4,000.00	3,921.58	3,743.70	3,701.97	19.41	17.74	164.60	-671.67	-170.78	1,407.43	1,372.57	34.86	40.375		
4,100.00	4,019.27	3,837.09	3,794.16	19.90	18.19	164.68	-685.97	-175.14	1,443.12	1,407.40	35.72	40.399		
4,200.00	4,116.96	3,930.48	3,886.35	20.39	18.63	164.76	-700.26	-179.50	1,478.82	1,442.23	36.59	40.420		
4,300.00	4,214.64	4,023.88	3,978.54	20.88	19.07	164.84	-714.56	-183.85	1,514.51	1,477.06	37.45	40.439		
4,400.00	4,312.33	4,117.27	4,070.72	21.37	19.52	164.92	-728.86	-188.21	1,550.22	1,511.90	38.32	40.457		
4,500.00	4,410.01	4,210.66	4,162.91	21.87	19.96	164.99	-743.16	-192.57	1,585.92	1,546.73	39.18	40.473		
4,600.00	4,507.70	4,304.05	4,255.10	22.36	20.41	165.05	-757.46	-196.93	1,621.62	1,581.57	40.05	40.488		
4,700.00	4,605.39	4,402.56	4,347.29	22.85	20.88	165.12	-771.76	-201.28	1,657.33	1,616.39	40.94	40.479		
4,800.00	4,703.07	4,509.16	4,439.48	23.35	21.39	165.18	-786.05	-205.64	1,693.04	1,651.17	41.87	40.434		
4,900.00	4,800.76	4,584.23	4,531.66	23.84	21.75	165.24	-800.35	-210.00	1,728.75	1,686.09	42.66	40.526		
5,000.00	4,898.44	4,677.62	4,623.85	24.33	22.19	165.29	-814.65	-214.36	1,764.46	1,720.93	43.53	40.537		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,771.01	4,716.04	24.83	22.64	165.35	-828.95	-218.72	1,800.17	1,755.77	44.40	40.546		
5,200.00	5,093.82	4,864.40	4,808.23	25.32	23.09	165.40	-843.25	-223.07	1,835.89	1,790.62	45.27	40.555		
5,300.00	5,191.50	4,957.80	4,900.42	25.82	23.53	165.45	-857.55	-227.43	1,871.60	1,825.46	46.14	40.563		
5,400.00	5,289.19	5,051.19	4,992.60	26.31	23.98	165.50	-871.84	-231.79	1,907.32	1,860.31	47.01	40.571		
5,500.00	5,386.87	5,144.58	5,084.79	26.81	24.43	165.55	-886.14	-236.15	1,943.04	1,895.15	47.88	40.578		
5,600.00	5,484.56	5,237.97	5,176.98	27.30	24.87	165.59	-900.44	-240.51	1,978.76	1,930.00	48.76	40.584		
5,700.00	5,582.25	5,331.36	5,269.17	27.80	25.32	165.64	-914.74	-244.86	2,014.48	1,964.85	49.63	40.590		
5,800.00	5,679.93	5,424.76	5,361.36	28.29	25.77	165.68	-929.04	-249.22	2,050.20	1,999.69	50.50	40.595		
5,900.00	5,777.62	5,518.15	5,453.55	28.79	26.22	165.72	-943.34	-253.58	2,085.92	2,034.54	51.38	40.600		
6,000.00	5,875.30	5,611.54	5,545.73	29.28	26.67	165.76	-957.63	-257.94	2,121.64	2,069.39	52.25	40.604		
6,100.00	5,972.99	5,704.93	5,637.92	29.78	27.11	165.80	-971.93	-262.29	2,157.37	2,104.24	53.13	40.608		
6,200.00	6,070.67	5,801.68	5,730.11	30.27	27.58	165.83	-986.23	-266.65	2,193.09	2,139.07	54.02	40.600		
6,300.00	6,168.36	5,895.05	5,806.38	30.77	28.01	137.75	-1,165.06	869.47	2,173.94	2,105.26	68.67	31.656		
6,400.00	6,266.05	5,988.32	5,896.42	31.26	28.31	137.35	-1,165.04	884.74	2,157.77	2,087.31	70.46	30.623		
6,500.00	6,363.73	6,080.40	5,986.46	31.76	28.64	136.94	-1,165.02	900.01	2,146.04	2,073.73	72.31	29.676		
6,534.50	6,397.43	6,090.86	5,996.48	31.93	28.71	136.80	-1,165.02	905.28	2,143.04	2,070.35	72.70	29.480		
6,550.00	6,412.60	6,093.05	5,996.48	32.01	28.75	141.44	-1,165.01	907.46	2,141.86	2,068.92	72.94	29.366		
6,600.00	6,461.82	6,097.53	5,996.49	32.24	28.84	162.69	-1,165.01	911.94	2,138.68	2,065.04	73.63	29.046		
6,650.00	6,511.25	6,098.09	5,996.50	32.45	28.85	-168.44	-1,165.01	912.50	2,136.50	2,062.30	74.20	28.795		
6,700.00	6,560.58	6,094.73	5,996.49	32.64	28.79	-143.37	-1,165.01	909.15	2,135.34	2,060.71	74.64	28.610		
6,731.94	6,591.91	6,090.54	5,996.48	32.76	28.70	-132.26	-1,165.02	904.96	2,135.14	2,060.29	74.85	28.526		
6,750.00	6,609.51	6,097.47	5,996.47	32.83	28.64	-127.41	-1,165.02	901.89	2,135.20	2,060.25	74.95	28.488		
6,800.00	6,657.74	6,086.36	5,996.44	33.01	28.42	-117.61	-1,165.04	890.77	2,136.04	2,060.88	75.16	28.422		
6,850.00	6,704.97	6,071.46	5,996.40	33.18	28.13	-111.14	-1,165.06	875.87	2,137.78	2,062.54	75.25	28.411		
6,900.00	6,750.90	6,052.87	5,996.35	33.36	27.77	-106.47	-1,165.08	857.28	2,140.35	2,065.12	75.23	28.452		
6,950.00	6,795.26	6,030.69	5,996.29	33.54	27.24	-102.83	-1,165.11	835.11	2,143.62	2,068.51	75.11	28.541		
7,000.00	6,837.77	6,005.07	5,996.23	33.73	26.64	-99.84	-1,165.14	809.49	2,147.46	2,072.57	74.89	28.673		
7,050.00	6,878.17	5,976.17	5,996.15	33.92	25.99	-97.26	-1,165.18	780.58	2,151.73	2,077.11	74.62	28.835		
7,100.00	6,916.21	5,944.16	5,996.07	34.13	25.27	-94.99	-1,165.22	748.57	2,156.27	2,081.98	74.29	29.025		
7,150.00	6,951.66	5,909.23	5,995.97	34.36	24.48	-92.96	-1,165.27	713.65	2,160.92	2,087.02	73.90	29.241		
7,200.00	6,984.29	5,871.62	5,995.88	34.61	23.63	-91.13	-1,165.32	676.03	2,165.51	2,092.01	73.50	29.461		
7,250.00	7,013.91	5,831.54	5,895.77	34.89	22.74	-89.50	-1,165.37	635.95	2,169.88	2,096.79	73.10	29.686		
7,300.00	7,040.34	5,789.24	5,895.66	35.20	21.80	-88.06	-1,165.43	593.66	2,173.88	2,101.19	72.69	29.907		
7,350.00	7,063.40	5,744.99	5,895.54	35.55	20.83	-86.83	-1,165.49	549.41	2,177.36	2,105.03	72.33	30.104		
7,400.00	7,082.97	5,690.94	5,895.42	35.94	19.85	-85.79	-1,165.55	503.48	2,180.19	2,108.18	72.01	30.276		
7,450.00	7,098.91	5,641.73	5,895.30	36.36	18.86	-84.98	-1,165.61	456.15	2,182.27	2,110.53	71.73	30.422		
7,500.00	7,111.13	5,593.29	5,895.17	36.83	17.88	-84.39	-1,165.67	407.71	2,183.49	2,111.98	71.51	30.533		
7,550.00	7,119.55	5,544.05	5,895.04	37.34	16.86	-84.02	-1,165.74	358.46	2,183.79	2,112.40	71.39	30.590		
7,600.00	7,124.13	5,494.34	5,893.52	37.88	15.83	-83.85	-1,165.60	301.79	2,183.07	2,111.83	71.24	30.642		
7,639.68	7,125.00	5,444.49	5,888.65	38.33	14.80	-83.80	-1,164.93	255.21	2,181.65	2,110.50	71.16	30.660		
7,700.00	7,124.48	5,394.09	5,875.24	39.05	13.83	-83.45	-1,162.96	187.18	2,178.81	2,107.66	71.14	30.625		
7,800.00	7,123.60	5,344.52	5,840.65	40.40	12.89	-82.54	-1,157.78	86.64	2,173.84	2,102.38	71.46	30.420		
7,900.00	7,122.72	5,294.57	5,797.33	41.90	11.93	-81.39	-1,151.20	4.77	2,169.26	2,097.10	72.16	30.060		
8,000.00	7,121.84	5,244.99	5,751.83	43.54	10.99	-80.17	-1,144.26	-58.86	2,165.94	2,092.77	73.17	29.601		
8,100.00	7,120.97	5,195.56	5,708.27	45.30	10.06	-79.01	-1,137.59	-107.19	2,164.65	2,090.24	74.41	29.090		
8,101.56	7,120.95	5,146.63	5,670.62	45.33	9.06	-78.99	-1,137.49	-107.84	2,164.65	2,090.22	74.43	29.081		
8,200.00	7,120.09	5,097.31	5,668.59	47.17	8.14	-77.95	-1,131.50	-143.66	2,166.04	2,090.21	75.82	28.567		
8,300.00	7,119.21	5,047.21	5,633.37	49.13	7.21	-77.01	-1,126.09	-171.29	2,170.56	2,093.20	77.36	28.059		
8,400.00	7,118.33	4,997.00	5,602.08	51.18	6.28	-76.17	-1,121.28	-192.67	2,178.55	2,099.58	78.97	27.587		
8,500.00	7,117.46	4,946.67	5,575.51	53.30	5.34	-75.47	-1,117.18	-208.76	2,190.23	2,109.58	80.65	27.158		
8,600.00	7,116.58	4,896.00	5,559.32	55.48	4.37	-75.04	-1,114.69	-217.71	2,205.75	2,123.32	82.44	26.757		
8,700.00	7,115.70	4,845.38	5,531.33	57.72	3.26	-74.29	-1,110.38	-231.77	2,225.09	2,141.07	84.02	26.482		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	6,600.00	6,514.76	60.02	31.20	-73.85	-1,107.82	-239.28	2,248.34	2,162.63	85.70	26.234		
8,900.00	7,113.95	6,580.75	6,497.17	62.36	31.14	-73.39	-1,105.11	-246.64	2,275.41	2,188.12	87.29	26.067		
9,000.00	7,113.07	6,565.34	6,482.95	64.74	31.08	-73.01	-1,102.91	-252.13	2,306.25	2,217.40	88.84	25.959		
9,100.00	7,112.19	6,550.00	6,468.66	67.15	31.03	-72.64	-1,100.70	-257.25	2,340.73	2,250.44	90.30	25.922		
9,200.00	7,111.31	6,550.00	6,468.66	69.60	31.03	-72.64	-1,100.70	-257.25	2,378.81	2,286.97	91.84	25.903		
9,300.00	7,110.44	6,528.73	6,448.66	72.08	30.95	-72.11	-1,097.61	-263.77	2,420.16	2,327.13	93.02	26.016		
9,400.00	7,109.56	6,518.96	6,439.40	74.58	30.91	-71.87	-1,096.18	-266.54	2,464.80	2,370.56	94.25	26.153		
9,500.00	7,108.68	6,500.00	6,421.31	77.10	30.84	-71.40	-1,093.39	-271.51	2,512.60	2,417.34	95.26	26.376		
9,600.00	7,107.81	6,500.00	6,421.31	79.65	30.84	-71.40	-1,093.39	-271.51	2,563.20	2,466.80	96.40	26.588		
9,700.00	7,106.93	6,500.00	6,421.31	82.22	30.84	-71.40	-1,093.39	-271.51	2,616.64	2,519.20	97.45	26.852		
9,800.00	7,106.05	6,500.00	6,421.31	84.80	30.84	-71.40	-1,093.39	-271.51	2,672.76	2,574.36	98.40	27.162		
9,900.00	7,105.17	6,481.92	6,403.94	87.40	30.77	-70.94	-1,090.70	-275.73	2,731.17	2,632.10	99.07	27.568		
10,000.00	7,104.30	6,476.25	6,398.46	90.02	30.75	-70.80	-1,089.86	-276.95	2,791.97	2,692.18	99.80	27.977		
10,100.00	7,103.42	6,471.00	6,393.39	92.64	30.73	-70.67	-1,089.07	-278.03	2,854.95	2,754.49	100.46	28.420		
10,200.00	7,102.54	6,450.00	6,373.00	95.28	30.65	-70.14	-1,085.92	-281.96	2,920.14	2,819.27	100.87	28.948		
10,300.00	7,101.66	6,450.00	6,373.00	97.94	30.65	-70.14	-1,085.92	-281.96	2,986.97	2,885.50	101.46	29.439		
10,400.00	7,100.79	6,450.00	6,373.00	100.60	30.65	-70.14	-1,085.92	-281.96	3,055.60	2,953.61	101.99	29.959		
10,500.00	7,099.91	6,450.00	6,373.00	103.27	30.65	-70.14	-1,085.92	-281.96	3,125.92	3,023.46	102.47	30.507		
10,600.00	7,099.03	6,450.00	6,373.00	105.95	30.65	-70.14	-1,085.92	-281.96	3,197.83	3,094.94	102.89	31.080		
10,700.00	7,098.15	6,450.00	6,373.00	108.64	30.65	-70.14	-1,085.92	-281.96	3,271.21	3,167.94	103.27	31.676		
10,800.00	7,097.28	6,450.00	6,373.00	111.33	30.65	-70.14	-1,085.92	-281.96	3,345.97	3,242.37	103.61	32.295		
10,900.00	7,096.40	6,450.00	6,373.00	114.04	30.65	-70.14	-1,085.92	-281.96	3,422.03	3,318.12	103.91	32.933		
11,000.00	7,095.52	6,450.00	6,373.00	116.74	30.65	-70.14	-1,085.92	-281.96	3,499.28	3,395.11	104.18	33.590		
11,100.00	7,094.64	6,450.00	6,373.00	119.46	30.65	-70.14	-1,085.92	-281.96	3,577.67	3,473.25	104.41	34.264		
11,200.00	7,093.77	6,450.00	6,373.00	122.18	30.65	-70.14	-1,085.92	-281.96	3,657.10	3,552.48	104.62	34.955		
11,300.00	7,092.89	6,429.37	6,352.86	124.91	30.56	-69.62	-1,082.80	-285.14	3,737.19	3,632.57	104.62	35.722		
11,400.00	7,092.01	6,427.05	6,350.59	127.64	30.55	-69.56	-1,082.45	-285.46	3,818.46	3,713.70	104.77	36.448		
11,500.00	7,091.13	6,424.85	6,348.43	130.38	30.54	-69.50	-1,082.12	-285.75	3,900.59	3,795.70	104.89	37.187		
11,600.00	7,090.26	6,422.75	6,346.38	133.12	30.53	-69.45	-1,081.80	-286.03	3,983.53	3,878.53	105.00	37.938		
11,700.00	7,089.38	6,420.76	6,344.42	135.86	30.52	-69.40	-1,081.49	-286.28	4,067.23	3,962.14	105.10	38.700		
11,800.00	7,088.50	6,400.00	6,324.03	138.61	30.43	-68.87	-1,078.34	-288.54	4,151.94	4,046.93	105.01	39.540		
11,900.00	7,087.63	6,400.00	6,324.03	141.36	30.43	-68.87	-1,078.34	-288.54	4,236.98	4,131.88	105.09	40.316		
12,000.00	7,086.75	6,400.00	6,324.03	144.12	30.43	-68.87	-1,078.34	-288.54	4,322.65	4,217.48	105.17	41.101		
12,100.00	7,085.87	6,400.00	6,324.03	146.88	30.43	-68.87	-1,078.34	-288.54	4,408.94	4,303.70	105.24	41.896		
12,200.00	7,084.99	6,400.00	6,324.03	149.64	30.43	-68.87	-1,078.34	-288.54	4,495.79	4,390.49	105.29	42.698		
12,300.00	7,084.12	6,400.00	6,324.03	152.40	30.43	-68.87	-1,078.34	-288.54	4,583.17	4,477.83	105.34	43.508		
12,400.00	7,083.24	6,400.00	6,324.03	155.17	30.43	-68.87	-1,078.34	-288.54	4,671.06	4,565.68	105.38	44.325		
12,500.00	7,082.36	6,400.00	6,324.03	157.94	30.43	-68.87	-1,078.34	-288.54	4,759.44	4,654.02	105.42	45.149		
12,600.00	7,081.48	6,400.00	6,324.03	160.71	30.43	-68.87	-1,078.34	-288.54	4,848.26	4,742.81	105.44	45.980		
12,700.00	7,080.61	6,400.00	6,324.03	163.49	30.43	-68.87	-1,078.34	-288.54	4,937.51	4,832.04	105.47	46.816		
12,800.00	7,079.73	6,400.00	6,324.03	166.27	30.43	-68.87	-1,078.34	-288.54	5,027.16	4,921.68	105.48	47.659		
12,900.00	7,078.85	6,400.00	6,324.03	169.04	30.43	-68.87	-1,078.34	-288.54	5,117.20	5,011.70	105.50	48.506		
13,000.00	7,077.97	6,400.00	6,324.03	171.83	30.43	-68.87	-1,078.34	-288.54	5,207.60	5,102.09	105.51	49.358		
13,100.00	7,077.10	6,400.00	6,324.03	174.61	30.43	-68.87	-1,078.34	-288.54	5,298.35	5,192.83	105.51	50.215		
13,200.00	7,076.22	6,400.00	6,324.03	177.39	30.43	-68.87	-1,078.34	-288.54	5,389.42	5,283.90	105.52	51.076		
13,300.00	7,075.34	6,400.00	6,324.03	180.18	30.43	-68.87	-1,078.34	-288.54	5,480.81	5,375.29	105.52	51.942		
13,400.00	7,074.46	6,400.00	6,324.03	182.97	30.43	-68.87	-1,078.34	-288.54	5,572.49	5,466.97	105.52	52.811		
13,500.00	7,073.59	6,400.00	6,324.03	185.76	30.43	-68.87	-1,078.34	-288.54	5,664.45	5,558.93	105.51	53.684		
13,600.00	7,072.71	6,400.00	6,324.03	188.55	30.43	-68.87	-1,078.34	-288.54	5,756.68	5,651.17	105.51	54.560		
13,700.00	7,071.83	6,400.00	6,324.03	191.34	30.43	-68.87	-1,078.34	-288.54	5,849.16	5,743.66	105.50	55.440		
13,800.00	7,070.95	6,400.00	6,324.03	194.14	30.43	-68.87	-1,078.34	-288.54	5,941.89	5,836.40	105.50	56.322		
13,900.00	7,070.08	6,400.00	6,324.03	196.93	30.43	-68.87	-1,078.34	-288.54	6,034.86	5,929.36	105.49	57.207		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	6,400.00	6,324.03	199.73	30.43	-68.87	-1,078.34	-288.54	6,128.04	6,022.56	105.48	58.095		
14,100.00	7,068.32	6,400.00	6,324.03	202.53	30.43	-68.87	-1,078.34	-288.54	6,221.43	6,115.96	105.47	58.986		
14,200.00	7,067.45	6,400.00	6,324.03	205.33	30.43	-68.87	-1,078.34	-288.54	6,315.03	6,209.57	105.46	59.878		
14,300.00	7,066.57	6,400.00	6,324.03	208.13	30.43	-68.87	-1,078.34	-288.54	6,408.82	6,303.37	105.46	60.773		
14,400.00	7,065.69	6,400.00	6,324.03	210.93	30.43	-68.87	-1,078.34	-288.54	6,502.80	6,397.35	105.45	61.670		
14,500.00	7,064.81	6,400.00	6,324.03	213.73	30.43	-68.87	-1,078.34	-288.54	6,596.95	6,491.51	105.44	62.568		
14,600.00	7,063.94	6,400.00	6,324.03	216.54	30.43	-68.87	-1,078.34	-288.54	6,691.27	6,585.84	105.43	63.469		
14,700.00	7,063.06	6,400.00	6,324.03	219.34	30.43	-68.87	-1,078.34	-288.54	6,785.76	6,680.34	105.42	64.371		
14,800.00	7,062.18	6,400.00	6,324.03	222.15	30.43	-68.87	-1,078.34	-288.54	6,880.40	6,774.99	105.41	65.274		
14,900.00	7,061.30	6,400.00	6,324.03	224.95	30.43	-68.87	-1,078.34	-288.54	6,975.19	6,869.79	105.40	66.179		
15,000.00	7,060.43	6,400.00	6,324.03	227.76	30.43	-68.87	-1,078.34	-288.54	7,070.12	6,964.73	105.39	67.085		
15,100.00	7,059.55	6,400.00	6,324.03	230.57	30.43	-68.87	-1,078.34	-288.54	7,165.19	7,059.81	105.38	67.993		
15,200.00	7,058.67	6,400.00	6,324.03	233.38	30.43	-68.87	-1,078.34	-288.54	7,260.40	7,155.02	105.37	68.901		
15,300.00	7,057.79	6,400.00	6,324.03	236.19	30.43	-68.87	-1,078.34	-288.54	7,355.73	7,250.36	105.37	69.810		
15,400.00	7,056.92	6,400.00	6,324.03	239.00	30.43	-68.87	-1,078.34	-288.54	7,451.18	7,345.82	105.36	70.721		
15,500.00	7,056.04	6,400.00	6,324.03	241.81	30.43	-68.87	-1,078.34	-288.54	7,546.75	7,441.40	105.35	71.632		
15,600.00	7,055.16	6,400.00	6,324.03	244.62	30.43	-68.87	-1,078.34	-288.54	7,642.44	7,537.09	105.35	72.544		
15,700.00	7,054.28	6,400.00	6,324.03	247.43	30.43	-68.87	-1,078.34	-288.54	7,738.23	7,632.89	105.34	73.456		
15,800.00	7,053.41	6,400.00	6,324.03	250.25	30.43	-68.87	-1,078.34	-288.54	7,834.13	7,728.79	105.34	74.369		
15,846.35	7,053.00	6,400.00	6,324.03	251.55	30.43	-68.87	-1,078.34	-288.54	7,878.61	7,773.27	105.34	74.793		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	5.32	14.94	1.39	15.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	14.94	1.39	15.00	8.43	6.57	2.283		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	14.94	1.39	15.00	8.33	6.67	2.248		
300.00	299.98	299.98	299.98	3.44	3.44	-43.83	14.94	1.39	13.69	6.80	6.89	1.988		
400.00	399.84	399.56	399.54	3.61	3.60	-57.44	16.43	2.26	11.76	4.55	7.21	1.631		
462.75	462.38	462.10	462.01	3.73	3.73	-69.16	18.90	3.69	11.36	3.91	7.46	1.524 CC		
500.00	499.45	499.24	499.08	3.81	3.81	-76.62	20.93	4.87	11.51	3.90	7.62	1.512		
600.00	598.70	599.07	598.53	4.06	4.05	-94.74	28.36	9.30	13.30	5.21	8.09	1.644		
700.00	697.47	699.07	697.79	4.35	4.33	-107.52	38.37	16.07	16.21	7.56	8.65	1.874		
800.00	795.62	799.21	796.71	4.66	4.64	-116.09	50.88	25.26	19.68	10.41	9.27	2.122		
817.50	812.73	816.75	813.98	4.73	4.69	-117.27	53.33	27.12	20.33	10.94	9.39	2.165		
900.00	893.32	899.50	895.19	5.01	4.97	-119.45	65.90	36.87	22.88	12.92	9.96	2.297		
1,000.00	991.01	999.85	993.00	5.38	5.33	-115.09	83.38	50.88	24.50	13.81	10.69	2.292		
1,100.00	1,088.69	1,100.11	1,089.83	5.77	5.72	-105.24	102.81	66.80	25.36	13.89	11.46	2.212		
1,200.00	1,186.38	1,200.22	1,186.46	6.18	6.13	-95.70	122.41	82.88	26.88	14.58	12.29	2.187		
1,300.00	1,284.06	1,300.32	1,283.08	6.60	6.56	-87.38	142.01	98.95	29.05	15.90	13.15	2.209		
1,400.00	1,381.75	1,399.57	1,379.71	7.03	6.99	-80.35	161.60	115.03	31.75	17.72	14.03	2.263		
1,500.00	1,479.44	1,500.53	1,476.33	7.47	7.45	-74.49	181.20	131.11	34.85	19.93	14.92	2.335		
1,600.00	1,577.12	1,599.36	1,572.96	7.91	7.90	-69.62	200.79	147.19	38.26	22.44	15.82	2.419		
1,700.00	1,674.81	1,700.75	1,669.58	8.37	8.38	-65.58	220.39	163.27	41.89	25.16	16.73	2.504		
1,800.00	1,772.49	1,800.85	1,766.20	8.82	8.85	-62.19	239.99	179.35	45.70	28.06	17.64	2.591		
1,900.00	1,870.18	1,900.96	1,862.83	9.28	9.33	-59.33	259.58	195.43	49.64	31.09	18.55	2.676		
2,000.00	1,967.87	2,001.06	1,959.45	9.75	9.81	-56.90	279.18	211.51	53.69	34.22	19.47	2.757		
2,100.00	2,065.55	2,101.17	2,056.08	10.22	10.30	-54.81	298.78	227.59	57.82	37.43	20.40	2.835		
2,200.00	2,163.24	2,201.28	2,152.70	10.69	10.79	-53.00	318.37	243.67	62.02	40.70	21.33	2.908		
2,300.00	2,260.92	2,301.38	2,249.32	11.16	11.28	-51.43	337.97	259.75	66.28	44.01	22.26	2.977		
2,400.00	2,358.61	2,401.49	2,345.95	11.64	11.78	-50.04	357.57	275.83	70.57	47.37	23.20	3.042		
2,500.00	2,456.30	2,501.59	2,442.57	12.12	12.28	-48.81	377.16	291.91	74.90	50.77	24.14	3.103		
2,600.00	2,553.98	2,601.70	2,539.20	12.59	12.78	-47.72	396.76	307.99	79.27	54.19	25.08	3.161		
2,700.00	2,651.67	2,701.81	2,635.82	13.08	13.28	-46.74	416.35	324.07	83.66	57.63	26.02	3.215		
2,800.00	2,749.35	2,801.91	2,732.45	13.56	13.79	-45.86	435.95	340.15	88.07	61.10	26.97	3.265		
2,900.00	2,847.04	2,902.02	2,829.07	14.04	14.29	-45.07	455.55	356.23	92.50	64.57	27.92	3.313		
3,000.00	2,944.72	2,997.88	2,925.69	14.52	14.78	-44.35	475.14	372.31	96.94	68.09	28.85	3.360		
3,100.00	3,042.41	3,102.23	3,022.32	15.01	15.31	-43.69	494.74	388.38	101.40	71.57	29.83	3.400		
3,200.00	3,140.10	3,202.34	3,118.94	15.50	15.81	-43.08	514.34	404.46	105.88	75.09	30.78	3.439		
3,300.00	3,237.78	3,302.44	3,215.57	15.98	16.32	-42.53	533.93	420.54	110.36	78.62	31.74	3.477		
3,400.00	3,335.47	3,402.55	3,312.19	16.47	16.83	-42.02	553.53	436.62	114.85	82.15	32.70	3.512		
3,500.00	3,433.15	3,497.35	3,408.82	16.96	17.32	-41.54	573.13	452.70	119.35	85.72	33.64	3.548		
3,600.00	3,530.84	3,602.76	3,505.44	17.45	17.86	-41.10	592.72	468.78	123.86	89.24	34.62	3.577		
3,700.00	3,628.53	3,702.87	3,602.06	17.94	18.37	-40.70	612.32	484.86	128.38	92.79	35.59	3.607		
3,800.00	3,726.21	3,797.03	3,698.69	18.43	18.85	-40.32	631.91	500.94	132.90	96.38	36.52	3.639		
3,900.00	3,823.90	3,903.08	3,795.31	18.92	19.40	-39.96	651.51	517.02	137.42	99.91	37.51	3.663		
4,000.00	3,921.58	3,996.82	3,891.94	19.41	19.88	-39.63	671.11	533.10	141.96	103.51	38.45	3.692		
4,100.00	4,019.27	4,103.29	3,988.56	19.90	20.43	-39.32	690.70	549.18	146.49	107.04	39.45	3.714		
4,200.00	4,116.96	4,196.60	4,085.19	20.39	20.91	-39.02	710.30	565.26	151.03	110.65	40.38	3.740		
4,300.00	4,214.64	4,296.50	4,181.81	20.88	21.42	-38.75	729.90	581.34	155.58	114.23	41.35	3.763		
4,400.00	4,312.33	4,403.61	4,278.43	21.37	21.97	-38.49	749.49	597.42	160.12	117.77	42.35	3.781		
4,500.00	4,410.01	4,503.71	4,375.06	21.87	22.49	-38.24	769.09	613.50	164.67	121.35	43.32	3.801		
4,600.00	4,507.70	4,603.82	4,471.68	22.36	23.00	-38.01	788.69	629.58	169.23	124.93	44.29	3.821		
4,700.00	4,605.39	4,703.93	4,568.31	22.85	23.52	-37.79	808.28	645.66	173.78	128.52	45.26	3.839		
4,800.00	4,703.07	4,804.03	4,664.93	23.35	24.04	-37.58	827.88	661.74	178.34	132.11	46.24	3.857		
4,900.00	4,800.76	4,895.86	4,761.56	23.84	24.51	-37.38	847.47	677.82	182.90	135.74	47.17	3.878		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,995.76	4,858.18	24.33	25.03	-37.19	867.07	693.89	187.46	139.33	48.14	3.894		
5,100.00	4,996.13	5,104.35	4,954.80	24.83	25.59	-37.01	886.67	709.97	192.03	142.88	49.15	3.907		
5,200.00	5,093.82	5,204.46	5,051.43	25.32	26.11	-36.84	906.26	726.05	196.60	146.47	50.13	3.922		
5,300.00	5,191.50	5,304.56	5,148.05	25.82	26.63	-36.68	925.86	742.13	201.16	150.06	51.10	3.937		
5,400.00	5,289.19	5,395.33	5,244.68	26.31	27.10	-36.52	945.46	758.21	205.73	153.70	52.03	3.954		
5,500.00	5,386.87	5,504.77	5,341.30	26.81	27.66	-36.37	965.05	774.29	210.30	157.26	53.05	3.964		
5,600.00	5,484.56	5,604.88	5,437.92	27.30	28.18	-36.23	984.65	790.37	214.88	160.85	54.02	3.977		
5,700.00	5,582.25	5,704.99	5,534.55	27.80	28.70	-36.09	1,004.25	806.45	219.45	164.45	55.00	3.990		
5,800.00	5,679.93	5,794.91	5,631.17	28.29	29.17	-35.96	1,023.84	822.53	224.03	168.10	55.92	4.006		
5,900.00	5,777.62	5,894.80	5,727.80	28.79	29.69	-35.83	1,043.44	838.61	228.60	171.70	56.90	4.018		
6,000.00	5,875.30	6,005.30	5,824.42	29.28	30.26	-35.71	1,063.03	854.69	233.18	175.25	57.93	4.025		
6,100.00	5,972.99	6,094.59	5,921.05	29.78	30.72	-35.59	1,082.63	870.77	237.76	178.91	58.85	4.040		
6,200.00	6,070.67	6,205.52	6,017.67	30.27	31.30	-35.48	1,102.23	886.85	242.34	182.46	59.88	4.047		
6,300.00	6,168.36	6,305.62	6,114.29	30.77	31.82	-35.37	1,121.82	902.93	246.92	186.06	60.86	4.057		
6,400.00	6,266.05	6,394.27	6,210.92	31.26	32.28	-35.27	1,141.42	919.01	251.50	189.72	61.78	4.071		
6,500.00	6,363.73	6,501.12	6,315.22	31.76	32.79	-37.01	1,162.20	927.88	254.72	191.83	62.90	4.050		
6,534.50	6,397.43	6,537.15	6,350.57	31.93	32.94	-38.48	1,169.06	926.84	255.34	192.04	63.30	4.034		
6,550.00	6,412.60	6,553.12	6,366.22	32.01	33.00	-34.44	1,172.07	925.73	255.62	192.14	63.48	4.027		
6,600.00	6,461.82	6,604.07	6,415.89	32.24	33.19	-15.28	1,181.50	919.52	256.78	192.74	64.04	4.010		
6,650.00	6,511.25	6,654.16	6,464.12	32.45	33.37	11.33	1,190.48	909.50	258.35	193.78	64.56	4.001		
6,700.00	6,560.58	6,703.44	6,510.71	32.64	33.53	33.98	1,198.98	895.92	260.31	195.26	65.05	4.002		
6,750.00	6,609.51	6,751.95	6,555.46	32.83	33.69	47.39	1,206.97	879.01	262.63	197.15	65.48	4.011		
6,800.00	6,657.74	6,799.74	6,598.21	33.01	33.85	54.51	1,214.44	859.02	265.28	199.42	65.86	4.028		
6,850.00	6,704.97	6,846.85	6,638.82	33.18	34.01	58.23	1,221.36	836.19	268.21	202.03	66.17	4.053		
6,900.00	6,750.90	6,893.33	6,677.17	33.36	34.17	60.08	1,227.72	810.74	271.36	204.94	66.42	4.086		
6,950.00	6,795.26	6,939.21	6,713.18	33.54	34.34	60.87	1,233.52	782.91	274.69	208.10	66.59	4.125		
7,000.00	6,837.77	6,984.55	6,746.75	33.73	34.51	61.03	1,238.75	752.90	278.13	211.43	66.70	4.170		
7,050.00	6,878.17	7,029.38	6,777.82	33.92	34.70	60.81	1,243.40	720.93	281.63	214.87	66.76	4.219		
7,100.00	6,916.21	7,073.75	6,806.33	34.13	34.90	60.35	1,247.47	687.19	285.12	218.35	66.77	4.270		
7,150.00	6,951.66	7,117.69	6,832.25	34.36	35.12	59.77	1,250.97	651.89	288.56	221.79	66.77	4.322		
7,200.00	6,984.29	7,161.25	6,855.53	34.61	35.37	59.11	1,253.89	615.21	291.88	225.12	66.76	4.372		
7,250.00	7,013.91	7,204.45	6,876.14	34.89	35.64	58.43	1,256.23	577.32	295.05	228.26	66.78	4.418		
7,300.00	7,040.34	7,247.34	6,894.08	35.20	35.93	57.76	1,258.01	538.42	298.00	231.15	66.85	4.458		
7,350.00	7,063.40	7,289.94	6,909.32	35.55	36.26	57.10	1,259.22	498.66	300.70	233.71	66.99	4.489		
7,400.00	7,082.97	7,332.29	6,921.86	35.94	36.62	56.49	1,259.87	458.22	303.11	235.90	67.22	4.510		
7,450.00	7,098.91	7,374.43	6,931.69	36.36	37.00	55.93	1,259.97	417.25	305.20	237.66	67.55	4.518		
7,500.00	7,111.13	7,416.38	6,938.82	36.83	37.42	55.42	1,259.53	375.92	306.94	238.94	68.00	4.514		
7,550.00	7,119.55	7,458.18	6,943.25	37.34	37.85	54.98	1,258.55	334.38	308.30	239.73	68.57	4.496		
7,600.00	7,124.13	7,499.84	6,944.99	37.88	38.30	54.60	1,257.04	292.78	309.26	239.99	69.27	4.465		
7,639.68	7,125.00	7,537.04	6,944.77	38.33	38.74	54.39	1,255.35	255.63	309.56	239.57	70.00	4.423		
7,700.00	7,124.48	7,602.64	6,944.22	39.05	39.55	54.35	1,252.56	195.37	309.26	237.87	71.39	4.332		
7,800.00	7,123.60	7,697.36	6,943.31	40.40	40.86	54.27	1,247.94	95.49	308.76	235.01	73.74	4.187		
7,900.00	7,122.72	7,802.65	6,942.39	41.90	42.48	54.20	1,243.33	-4.40	308.25	231.81	76.45	4.032		
8,000.00	7,121.84	7,902.65	6,941.48	43.54	44.16	54.12	1,238.71	-104.29	307.75	228.48	79.27	3.882		
8,100.00	7,120.97	8,002.65	6,940.57	45.30	45.95	54.05	1,234.09	-204.17	307.25	224.99	82.26	3.735		
8,200.00	7,120.09	8,102.65	6,939.66	47.17	47.86	53.97	1,229.48	-304.06	306.75	221.34	85.41	3.592		
8,300.00	7,119.21	8,202.65	6,938.75	49.13	49.85	53.90	1,224.86	-403.95	306.25	217.56	88.68	3.453		
8,400.00	7,118.33	8,297.34	6,937.84	51.18	51.81	53.82	1,220.24	-503.84	305.75	213.76	91.99	3.324		
8,500.00	7,117.46	8,402.66	6,936.92	53.30	54.06	53.74	1,215.62	-603.72	305.25	209.67	95.58	3.194		
8,600.00	7,116.58	8,502.66	6,936.01	55.48	56.27	53.67	1,211.01	-703.61	304.75	205.58	99.17	3.073		
8,700.00	7,115.70	8,602.66	6,935.10	57.72	58.53	53.59	1,206.39	-803.50	304.25	201.41	102.84	2.959		
8,800.00	7,114.82	8,697.34	6,934.19	60.02	60.72	53.51	1,201.77	-903.38	303.75	197.27	106.48	2.853		

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 32C-6-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 32C-6-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	7,113.95	8,802.67	6,933.28	62.36	63.19	53.43	1,197.16	-1,003.27	303.25	192.87	110.39	2.747		
9,000.00	7,113.07	8,902.67	6,932.37	64.74	65.59	53.36	1,192.54	-1,103.16	302.76	188.51	114.25	2.650		
9,100.00	7,112.19	9,002.67	6,931.45	67.15	68.01	53.28	1,187.92	-1,203.05	302.26	184.10	118.16	2.558		
9,200.00	7,111.31	9,102.67	6,930.54	69.60	70.47	53.20	1,183.31	-1,302.93	301.77	179.65	122.11	2.471		
9,300.00	7,110.44	9,197.33	6,929.63	72.08	72.82	53.12	1,178.69	-1,402.82	301.27	175.27	126.00	2.391		
9,400.00	7,109.56	9,302.68	6,928.72	74.58	75.47	53.04	1,174.07	-1,502.71	300.78	170.64	130.13	2.311		
9,500.00	7,108.68	9,402.68	6,927.81	77.10	78.00	52.96	1,169.45	-1,602.59	300.28	166.09	134.19	2.238		
9,600.00	7,107.81	9,497.32	6,926.90	79.65	80.42	52.88	1,164.84	-1,702.48	299.79	161.63	138.16	2.170		
9,700.00	7,106.93	9,602.68	6,925.98	82.22	83.12	52.80	1,160.22	-1,802.37	299.29	156.92	142.38	2.102		
9,800.00	7,106.05	9,697.32	6,925.07	84.80	85.57	52.72	1,155.60	-1,902.25	298.80	152.41	146.39	2.041		
9,900.00	7,105.17	9,802.69	6,924.16	87.40	88.32	52.64	1,150.99	-2,002.14	298.31	147.66	150.65	1.980		
10,000.00	7,104.30	9,897.31	6,923.25	90.02	90.79	52.56	1,146.37	-2,102.03	297.82	143.12	154.70	1.925		
10,100.00	7,103.42	10,002.69	6,922.34	92.64	93.57	52.48	1,141.75	-2,201.92	297.33	138.34	158.99	1.870		
10,200.00	7,102.54	10,102.69	6,921.43	95.28	96.21	52.40	1,137.13	-2,301.80	296.84	133.67	163.17	1.819		
10,300.00	7,101.66	10,197.31	6,920.51	97.94	98.72	52.32	1,132.52	-2,401.69	296.35	129.10	167.25	1.772		
10,400.00	7,100.79	10,302.70	6,919.60	100.60	101.53	52.24	1,127.90	-2,501.58	295.86	124.29	171.57	1.724		
10,500.00	7,099.91	10,402.70	6,918.69	103.27	104.20	52.16	1,123.28	-2,601.46	295.37	119.59	175.78	1.680		
10,600.00	7,099.03	10,497.30	6,917.78	105.95	106.74	52.07	1,118.67	-2,701.35	294.88	115.00	179.88	1.639		
10,700.00	7,098.15	10,602.70	6,916.87	108.64	109.57	51.99	1,114.05	-2,801.24	294.40	110.17	184.22	1.598		
10,800.00	7,097.28	10,697.29	6,915.96	111.33	112.12	51.91	1,109.43	-2,901.13	293.91	105.58	188.33	1.561		
10,900.00	7,096.40	10,802.71	6,915.04	114.04	114.97	51.83	1,104.82	-3,001.01	293.43	100.74	192.68	1.523		
11,000.00	7,095.52	10,897.29	6,914.13	116.74	117.53	51.74	1,100.20	-3,100.90	292.94	96.15	196.79	1.489 Level 3		
11,100.00	7,094.64	11,002.71	6,913.22	119.46	120.40	51.66	1,095.58	-3,200.79	292.46	91.31	201.14	1.454 Level 3		
11,200.00	7,093.77	11,102.71	6,912.31	122.18	123.12	51.58	1,090.96	-3,300.67	291.97	86.60	205.38	1.422 Level 3		
11,300.00	7,092.89	11,202.72	6,911.40	124.91	125.84	51.49	1,086.35	-3,400.56	291.49	81.88	209.61	1.391 Level 3		
11,400.00	7,092.01	11,297.28	6,910.49	127.64	128.43	51.41	1,081.73	-3,500.45	291.01	77.29	213.72	1.362 Level 3		
11,500.00	7,091.13	11,402.72	6,909.57	130.38	131.31	51.32	1,077.11	-3,600.34	290.52	72.45	218.07	1.332 Level 3		
11,600.00	7,090.26	11,502.72	6,908.66	133.12	134.05	51.24	1,072.50	-3,700.22	290.04	67.75	222.30	1.305 Level 3		
11,700.00	7,089.38	11,602.72	6,907.75	135.86	136.80	51.15	1,067.88	-3,800.11	289.56	63.04	226.52	1.278 Level 3		
11,800.00	7,088.50	11,702.73	6,906.84	138.61	139.54	51.07	1,063.26	-3,900.00	289.08	58.34	230.74	1.253 Level 3		
11,900.00	7,087.63	11,802.73	6,905.93	141.36	142.29	50.98	1,058.65	-3,999.88	288.60	53.64	234.96	1.228 Level 2		
12,000.00	7,086.75	11,902.73	6,905.02	144.12	145.05	50.90	1,054.03	-4,099.77	288.12	48.95	239.17	1.205 Level 2		
12,100.00	7,085.87	11,997.27	6,904.10	146.88	147.66	50.81	1,049.41	-4,199.66	287.64	44.38	243.26	1.182 Level 2		
12,200.00	7,084.99	12,102.73	6,903.19	149.64	150.57	50.72	1,044.79	-4,299.55	287.17	39.58	247.59	1.160 Level 2		
12,300.00	7,084.12	12,202.74	6,902.28	152.40	153.33	50.64	1,040.18	-4,399.43	286.69	34.90	251.79	1.139 Level 2		
12,400.00	7,083.24	12,302.74	6,901.37	155.17	156.10	50.55	1,035.56	-4,499.32	286.21	30.24	255.98	1.118 Level 2		
12,500.00	7,082.36	12,402.74	6,900.46	157.94	158.87	50.46	1,030.94	-4,599.21	285.74	25.57	260.17	1.098 Level 2		
12,600.00	7,081.48	12,502.74	6,899.55	160.71	161.64	50.37	1,026.33	-4,699.09	285.26	20.92	264.35	1.079 Level 2		
12,700.00	7,080.61	12,602.75	6,898.63	163.49	164.41	50.29	1,021.71	-4,798.98	284.79	16.27	268.52	1.061 Level 2		
12,800.00	7,079.73	12,697.25	6,897.72	166.27	167.03	50.20	1,017.09	-4,898.87	284.32	11.75	272.57	1.043 Level 2		
12,900.00	7,078.85	12,797.25	6,896.81	169.04	169.81	50.11	1,012.48	-4,998.76	283.84	7.11	276.73	1.026 Level 2		
13,000.00	7,077.97	12,902.75	6,895.90	171.83	172.74	50.02	1,007.86	-5,098.64	283.37	2.37	281.00	1.008 Level 2		
13,100.00	7,077.10	13,002.75	6,894.99	174.61	175.53	49.93	1,003.24	-5,198.53	282.90	-2.25	285.15	0.992 Level 1		
13,200.00	7,076.22	13,102.76	6,894.08	177.39	178.31	49.84	998.62	-5,298.42	282.43	-6.86	289.29	0.976 Level 1		
13,300.00	7,075.34	13,197.24	6,893.16	180.18	180.94	49.75	994.01	-5,398.30	281.96	-11.34	293.30	0.961 Level 1		
13,400.00	7,074.46	13,302.76	6,892.25	182.97	183.88	49.66	989.39	-5,498.19	281.49	-16.05	297.54	0.946 Level 1		
13,500.00	7,073.59	13,402.76	6,891.34	185.76	186.67	49.57	984.77	-5,598.08	281.02	-20.63	301.65	0.932 Level 1		
13,600.00	7,072.71	13,497.24	6,890.43	188.55	189.31	49.48	980.16	-5,697.97	280.55	-25.08	305.64	0.918 Level 1		
13,700.00	7,071.83	13,602.77	6,889.52	191.34	192.25	49.39	975.54	-5,797.85	280.09	-29.77	309.85	0.904 Level 1		
13,800.00	7,070.95	13,702.77	6,888.61	194.14	195.04	49.30	970.92	-5,897.74	279.62	-34.32	313.94	0.891 Level 1		
13,900.00	7,070.08	13,797.23	6,887.69	196.93	197.68	49.21	966.31	-5,997.63	279.15	-38.74	317.90	0.878 Level 1		
14,000.00	7,069.20	13,897.23	6,886.78	199.73	200.48	49.11	961.69	-6,097.51	278.69	-43.28	321.96	0.866 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 32C-6-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 32C-6-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	7,068.32	13,997.23	6,885.87	202.53	203.27	49.02	957.07	-6,197.40	278.22	-47.80	326.02	0.853 Level 1		
14,200.00	7,067.45	14,102.78	6,884.96	205.33	206.23	48.93	952.45	-6,297.29	277.76	-52.43	330.19	0.841 Level 1		
14,300.00	7,066.57	14,197.22	6,884.05	208.13	208.87	48.84	947.84	-6,397.18	277.30	-56.81	334.11	0.830 Level 1		
14,400.00	7,065.69	14,302.78	6,883.13	210.93	211.82	48.74	943.22	-6,497.06	276.83	-61.43	338.26	0.818 Level 1		
14,500.00	7,064.81	14,402.78	6,882.22	213.73	214.63	48.65	938.60	-6,596.95	276.37	-65.91	342.28	0.807 Level 1		
14,600.00	7,063.94	14,502.78	6,881.31	216.54	217.43	48.56	933.99	-6,696.84	275.91	-70.37	346.29	0.797 Level 1		
14,700.00	7,063.06	14,602.79	6,880.40	219.34	220.23	48.46	929.37	-6,796.72	275.45	-74.83	350.28	0.786 Level 1		
14,800.00	7,062.18	14,702.79	6,879.49	222.15	223.03	48.37	924.75	-6,896.61	274.99	-79.28	354.27	0.776 Level 1		
14,900.00	7,061.30	14,802.79	6,878.58	224.95	225.84	48.27	920.13	-6,996.50	274.53	-83.71	358.24	0.766 Level 1		
15,000.00	7,060.43	14,902.79	6,877.66	227.76	226.64	48.18	915.52	-7,096.38	274.08	-88.13	362.21	0.757 Level 1		
15,100.00	7,059.55	14,997.21	6,876.75	230.57	231.29	48.08	910.90	-7,196.27	273.62	-92.42	366.04	0.748 Level 1		
15,200.00	7,058.67	15,097.20	6,875.84	233.38	234.10	47.99	906.28	-7,296.16	273.16	-96.82	369.98	0.738 Level 1		
15,300.00	7,057.79	15,202.80	6,874.93	236.19	237.06	47.89	901.67	-7,396.05	272.71	-101.33	374.03	0.729 Level 1		
15,400.00	7,056.92	15,302.80	6,874.02	239.00	239.87	47.79	897.05	-7,495.93	272.25	-105.70	377.95	0.720 Level 1		
15,500.00	7,056.04	15,402.80	6,873.11	241.81	242.68	47.70	892.43	-7,595.82	271.80	-110.06	381.86	0.712 Level 1		
15,600.00	7,055.16	15,502.81	6,872.19	244.62	245.49	47.60	887.82	-7,695.71	271.35	-114.41	385.76	0.703 Level 1		
15,700.00	7,054.28	15,602.81	6,871.28	247.43	248.30	47.50	883.20	-7,795.59	270.89	-118.75	389.64	0.695 Level 1		
15,800.00	7,053.41	15,702.81	6,870.37	250.25	251.11	47.41	878.58	-7,895.48	270.44	-123.07	393.51	0.687 Level 1		
15,844.16	7,053.02	15,741.35	6,869.97	251.49	252.19	47.36	876.54	-7,939.59	270.24	-124.85	395.09	0.684 Level 1, ES, SF		
15,846.35	7,053.00	15,738.53	6,869.99	251.55	252.11	47.37	876.67	-7,936.77	270.28	-124.84	395.12	0.684 Level 1		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 CC		
300.00	299.98	299.98	299.98	3.44	3.44	144.65	-14.94	-1.39	16.39	9.50	6.89	2.379		
400.00	399.84	400.43	400.41	3.61	3.60	150.43	-13.74	-0.10	19.38	12.16	7.21	2.686		
500.00	499.45	501.01	500.85	3.81	3.81	154.28	-10.13	3.76	22.56	14.92	7.64	2.953		
600.00	598.70	601.71	601.15	4.06	4.06	156.83	-4.11	10.22	25.86	17.70	8.15	3.171		
700.00	697.47	702.53	701.21	4.35	4.34	158.51	4.32	19.26	29.23	20.49	8.74	3.344		
800.00	795.62	803.47	800.88	4.66	4.65	159.57	15.16	30.88	32.65	23.26	9.39	3.477		
817.50	812.73	821.15	818.28	4.73	4.71	159.71	17.30	33.18	33.25	23.74	9.51	3.495		
900.00	893.32	904.55	900.07	5.01	4.99	159.54	28.41	45.09	34.98	24.89	10.09	3.467		
1,000.00	991.01	1,004.51	997.84	5.38	5.35	158.50	42.63	60.34	35.83	25.04	10.79	3.320		
1,100.00	1,088.69	1,104.51	1,095.63	5.77	5.73	157.51	56.85	75.59	36.69	25.15	11.54	3.180		
1,200.00	1,186.38	1,204.50	1,193.43	6.18	6.13	156.56	71.08	90.85	37.56	25.24	12.31	3.050		
1,300.00	1,284.06	1,304.50	1,291.22	6.60	6.55	155.66	85.30	106.10	38.43	25.32	13.11	2.931		
1,400.00	1,381.75	1,404.49	1,389.02	7.03	6.97	154.80	99.53	121.36	39.32	25.38	13.94	2.821		
1,500.00	1,479.44	1,504.49	1,486.81	7.47	7.40	153.97	113.75	136.61	40.22	25.43	14.78	2.721		
1,600.00	1,577.12	1,604.48	1,584.61	7.91	7.85	153.19	127.98	151.87	41.12	25.48	15.64	2.629		
1,700.00	1,674.81	1,704.47	1,682.40	8.37	8.29	152.43	142.20	167.12	42.03	25.52	16.51	2.545		
1,800.00	1,772.49	1,804.47	1,780.20	8.82	8.75	151.71	156.43	182.37	42.95	25.55	17.40	2.469		
1,900.00	1,870.18	1,904.46	1,877.99	9.28	9.20	151.02	170.65	197.63	43.87	25.58	18.29	2.399		
2,000.00	1,967.87	2,004.46	1,975.78	9.75	9.66	150.36	184.88	212.88	44.80	25.61	19.19	2.334		
2,100.00	2,065.55	2,104.45	2,073.58	10.22	10.13	149.72	199.10	228.14	45.74	25.64	20.10	2.275		
2,200.00	2,163.24	2,204.45	2,171.37	10.69	10.60	149.11	213.33	243.39	46.68	25.66	21.02	2.221		
2,300.00	2,260.92	2,304.44	2,269.17	11.16	11.07	148.52	227.56	258.65	47.63	25.69	21.94	2.171		
2,400.00	2,358.61	2,404.43	2,366.96	11.64	11.54	147.96	241.78	273.90	48.58	25.71	22.87	2.124		
2,500.00	2,456.30	2,504.43	2,464.76	12.12	12.01	147.42	256.01	289.16	49.53	25.73	23.80	2.081		
2,600.00	2,553.98	2,604.42	2,562.55	12.59	12.49	146.90	270.23	304.41	50.49	25.76	24.73	2.041		
2,700.00	2,651.67	2,704.42	2,660.35	13.08	12.97	146.40	284.46	319.67	51.46	25.78	25.67	2.004		
2,800.00	2,749.35	2,804.41	2,758.14	13.56	13.44	145.92	298.68	334.92	52.42	25.81	26.62	1.970		
2,900.00	2,847.04	2,904.41	2,855.94	14.04	13.92	145.45	312.91	350.18	53.40	25.83	27.56	1.937		
3,000.00	2,944.72	3,004.40	2,953.73	14.52	14.41	145.00	327.13	365.43	54.37	25.86	28.51	1.907		
3,100.00	3,042.41	3,104.40	3,051.53	15.01	14.89	144.57	341.36	380.69	55.35	25.89	29.46	1.879		
3,200.00	3,140.10	3,204.39	3,149.32	15.50	15.37	144.15	355.58	395.94	56.33	25.91	30.42	1.852		
3,300.00	3,237.78	3,304.38	3,247.12	15.98	15.85	143.75	369.81	411.20	57.31	25.94	31.37	1.827		
3,400.00	3,335.47	3,404.38	3,344.91	16.47	16.34	143.36	384.03	426.45	58.30	25.97	32.33	1.803		
3,500.00	3,433.15	3,504.37	3,442.71	16.96	16.83	142.98	398.26	441.71	59.29	26.00	33.29	1.781		
3,600.00	3,530.84	3,604.37	3,540.50	17.45	17.31	142.62	412.48	456.96	60.28	26.03	34.25	1.760		
3,700.00	3,628.53	3,704.36	3,638.29	17.94	17.80	142.26	426.71	472.22	61.28	26.06	35.21	1.740		
3,800.00	3,726.21	3,804.36	3,736.09	18.43	18.29	141.92	440.93	487.47	62.27	26.10	36.18	1.721		
3,900.00	3,823.90	3,904.35	3,833.88	18.92	18.77	141.59	455.16	502.72	63.27	26.13	37.14	1.704		
4,000.00	3,921.58	4,004.34	3,931.68	19.41	19.26	141.27	469.39	517.98	64.27	26.16	38.11	1.687		
4,100.00	4,019.27	4,104.34	4,029.47	19.90	19.75	140.96	483.61	533.23	65.28	26.20	39.08	1.670		
4,200.00	4,116.96	4,204.33	4,127.27	20.39	20.24	140.66	497.84	548.49	66.28	26.24	40.04	1.655		
4,300.00	4,214.64	4,304.33	4,225.06	20.88	20.73	140.37	512.06	563.74	67.29	26.27	41.01	1.641		
4,400.00	4,312.33	4,404.32	4,322.86	21.37	21.22	140.08	526.29	579.00	68.29	26.31	41.98	1.627		
4,500.00	4,410.01	4,504.32	4,420.65	21.87	21.71	139.81	540.51	594.25	69.30	26.35	42.96	1.613		
4,600.00	4,507.70	4,604.31	4,518.45	22.36	22.20	139.54	554.74	609.51	70.31	26.39	43.93	1.601		
4,700.00	4,605.39	4,704.30	4,616.24	22.85	22.69	139.28	568.96	624.76	71.33	26.43	44.90	1.589		
4,800.00	4,703.07	4,804.30	4,714.04	23.35	23.18	139.03	583.19	640.02	72.34	26.47	45.87	1.577		
4,900.00	4,800.76	4,904.29	4,811.83	23.84	23.67	138.78	597.41	655.27	73.36	26.51	46.85	1.566		
5,000.00	4,898.44	5,004.29	4,909.63	24.33	24.16	138.55	611.64	670.53	74.37	26.55	47.82	1.555		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,104.28	5,007.42	24.83	24.65	138.31	625.86	685.78	75.39	26.59	48.80	1.545		
5,200.00	5,093.82	5,204.28	5,105.22	25.32	25.14	138.09	640.09	701.04	76.41	26.64	49.77	1.535		
5,300.00	5,191.50	5,304.27	5,203.01	25.82	25.64	137.87	654.31	716.29	77.43	26.68	50.75	1.526		
5,400.00	5,289.19	5,404.27	5,300.80	26.31	26.13	137.65	668.54	731.55	78.45	26.73	51.73	1.517		
5,500.00	5,386.87	5,504.26	5,398.60	26.81	26.62	137.44	682.77	746.80	79.48	26.77	52.70	1.508		
5,600.00	5,484.56	5,604.25	5,496.39	27.30	27.11	137.24	696.99	762.06	80.50	26.82	53.68	1.500	Level 3	
5,700.00	5,582.25	5,704.25	5,594.19	27.80	27.61	137.04	711.22	777.31	81.52	26.86	54.66	1.491	Level 3	
5,800.00	5,679.93	5,804.24	5,691.98	28.29	28.10	136.85	725.44	792.57	82.55	26.91	55.64	1.484	Level 3	
5,900.00	5,777.62	5,904.24	5,789.78	28.79	28.59	136.66	739.67	807.82	83.58	26.96	56.62	1.476	Level 3	
6,000.00	5,875.30	6,004.23	5,887.57	29.28	29.08	136.48	753.89	823.08	84.60	27.00	57.60	1.469	Level 3	
6,100.00	5,972.99	6,104.23	5,985.37	29.78	29.58	136.30	768.12	838.33	85.63	27.05	58.58	1.462	Level 3	
6,200.00	6,070.67	6,204.22	6,083.16	30.27	30.07	136.12	782.34	853.58	86.66	27.10	59.56	1.455	Level 3	
6,300.00	6,168.36	6,304.21	6,180.96	30.77	30.56	135.95	796.57	868.84	87.69	27.15	60.54	1.449	Level 3	
6,400.00	6,266.05	6,404.21	6,278.75	31.26	31.06	135.78	810.79	884.09	88.72	27.20	61.52	1.442	Level 3	
6,500.00	6,363.73	6,503.02	6,376.13	31.76	31.51	135.95	824.64	892.38	90.29	28.01	62.28	1.450	Level 3	
6,534.50	6,397.43	6,536.32	6,409.11	31.93	31.64	143.45	829.17	891.73	91.50	29.09	62.42	1.466	Level 3	
6,550.00	6,412.60	6,551.11	6,423.75	32.01	31.70	150.07	831.15	890.89	92.25	29.79	62.45	1.477	Level 3	
6,600.00	6,461.82	6,598.38	6,470.33	32.24	31.88	177.30	837.36	885.90	95.25	32.75	62.50	1.524		
6,650.00	6,511.25	6,645.03	6,515.84	32.45	32.05	-148.54	843.26	877.57	99.04	36.65	62.39	1.587		
6,700.00	6,560.58	6,691.09	6,560.08	32.64	32.22	-118.89	848.84	866.08	103.45	41.36	62.08	1.666		
6,750.00	6,609.51	6,736.60	6,602.90	32.83	32.38	-99.07	854.09	851.59	108.30	46.75	61.55	1.760		
6,800.00	6,657.74	6,781.62	6,644.15	33.01	32.55	-86.10	858.98	834.27	113.43	52.65	60.78	1.866		
6,850.00	6,704.97	6,826.16	6,683.69	33.18	32.71	-77.08	863.52	814.28	118.70	58.91	59.79	1.985		
6,900.00	6,750.90	6,870.29	6,721.41	33.36	32.88	-70.43	867.69	791.79	124.00	65.40	58.61	2.116		
6,950.00	6,795.26	6,914.03	6,757.21	33.54	33.06	-65.33	871.49	766.97	129.22	71.96	57.26	2.257		
7,000.00	6,837.77	6,957.41	6,790.98	33.73	33.25	-61.29	874.90	739.96	134.26	78.47	55.79	2.407		
7,050.00	6,878.17	7,000.48	6,822.64	33.92	33.44	-58.04	877.93	710.93	139.05	84.80	54.25	2.563		
7,100.00	6,916.21	7,043.27	6,852.11	34.13	33.66	-55.41	880.57	680.02	143.54	90.84	52.69	2.724		
7,150.00	6,951.66	7,085.81	6,879.31	34.36	33.89	-53.26	882.82	647.41	147.66	96.48	51.18	2.885		
7,200.00	6,984.29	7,128.14	6,904.18	34.61	34.14	-51.51	884.67	613.22	151.38	101.61	49.77	3.042		
7,250.00	7,013.91	7,170.27	6,926.66	34.89	34.41	-50.10	886.12	577.62	154.66	106.13	48.53	3.187		
7,300.00	7,040.34	7,212.26	6,946.70	35.20	34.71	-48.99	887.18	540.75	157.47	109.95	47.52	3.314		
7,350.00	7,063.40	7,254.12	6,964.25	35.55	35.04	-48.14	887.84	502.76	159.78	112.98	46.80	3.414		
7,400.00	7,082.97	7,295.88	6,979.25	35.94	35.39	-47.52	888.11	463.79	161.58	115.16	46.42	3.481		
7,450.00	7,098.91	7,337.58	6,991.68	36.36	35.77	-47.12	887.98	424.00	162.86	116.42	46.44	3.507		
7,500.00	7,111.13	7,379.24	7,001.50	36.83	36.18	-46.93	887.45	383.52	163.60	116.74	46.86	3.491		
7,550.00	7,119.55	7,420.89	7,008.68	37.34	36.62	-46.94	886.54	342.51	163.81	116.11	47.70	3.434		
7,600.00	7,124.13	7,462.57	7,013.18	37.88	37.07	-47.14	885.24	301.11	163.49	114.54	48.95	3.340		
7,639.68	7,125.00	7,495.67	7,014.84	38.33	37.45	-47.44	883.94	268.08	162.86	112.65	50.21	3.244		
7,658.23	7,124.84	7,525.20	7,015.08	38.55	37.80	-47.54	883.31	253.85	162.63	111.59	51.04	3.186		
7,700.00	7,124.48	7,551.68	7,014.67	39.05	38.13	-47.61	881.32	212.13	162.90	111.12	51.78	3.146		
7,800.00	7,123.60	7,651.67	7,013.71	40.40	39.47	-47.78	876.55	112.26	163.55	109.45	54.10	3.023		
7,900.00	7,122.72	7,751.67	7,012.74	41.90	40.95	-47.94	871.78	12.38	164.20	107.52	56.68	2.897		
8,000.00	7,121.84	7,851.67	7,011.78	43.54	42.58	-48.11	867.01	-87.50	164.85	105.35	59.50	2.771		
8,100.00	7,120.97	7,951.66	7,010.81	45.30	44.33	-48.27	862.24	-187.38	165.51	102.99	62.52	2.647		
8,200.00	7,120.09	8,051.66	7,009.85	47.17	46.20	-48.43	857.47	-287.26	166.16	100.44	65.72	2.528		
8,300.00	7,119.21	8,151.66	7,008.88	49.13	48.15	-48.59	852.70	-387.14	166.82	97.73	69.08	2.415		
8,400.00	7,118.33	8,251.65	7,007.92	51.18	50.20	-48.75	847.93	-487.01	167.47	94.89	72.59	2.307		
8,500.00	7,117.46	8,351.65	7,006.95	53.30	52.32	-48.90	843.16	-586.89	168.13	91.92	76.21	2.206		
8,600.00	7,116.58	8,451.65	7,005.99	55.48	54.50	-49.06	838.39	-686.77	168.79	88.84	79.95	2.111		
8,700.00	7,115.70	8,551.64	7,005.02	57.72	56.74	-49.21	833.62	-786.65	169.45	85.67	83.78	2.023		
8,800.00	7,114.82	8,651.64	7,004.06	60.02	59.04	-49.37	828.85	-886.53	170.11	82.42	87.70	1.940		

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 32C-6-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 32C-6-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	7,113.95	8,751.64	7,003.10	62.36	61.38	-49.52	824.08	-986.41	170.77	79.08	91.69	1.862		
9,000.00	7,113.07	8,851.63	7,002.13	64.74	63.76	-49.67	819.31	-1,086.28	171.44	75.68	95.76	1.790		
9,100.00	7,112.19	8,951.63	7,001.17	67.15	66.17	-49.82	814.54	-1,186.16	172.10	72.22	99.89	1.723		
9,200.00	7,111.31	9,051.63	7,000.20	69.60	68.62	-49.97	809.77	-1,286.04	172.77	68.69	104.07	1.660		
9,300.00	7,110.44	9,151.63	6,999.24	72.08	71.10	-50.11	805.00	-1,385.92	173.44	65.12	108.31	1.601		
9,400.00	7,109.56	9,251.62	6,998.27	74.58	73.60	-50.26	800.23	-1,485.80	174.10	61.50	112.60	1.546		
9,500.00	7,108.68	9,351.62	6,997.31	77.10	76.13	-50.41	795.46	-1,585.68	174.77	57.84	116.93	1.495 Level 3		
9,600.00	7,107.81	9,451.62	6,996.34	79.65	78.68	-50.55	790.70	-1,685.55	175.44	54.14	121.31	1.446 Level 3		
9,700.00	7,106.93	9,551.61	6,995.38	82.22	81.25	-50.69	785.93	-1,785.43	176.12	50.40	125.72	1.401 Level 3		
9,800.00	7,106.05	9,651.61	6,994.41	84.80	83.83	-50.83	781.16	-1,885.31	176.79	46.62	130.16	1.358 Level 3		
9,900.00	7,105.17	9,751.61	6,993.45	87.40	86.43	-50.97	776.39	-1,985.19	177.46	42.82	134.65	1.318 Level 3		
10,000.00	7,104.30	9,851.60	6,992.48	90.02	89.05	-51.11	771.62	-2,085.07	178.14	38.98	139.16	1.280 Level 3		
10,100.00	7,103.42	9,951.60	6,991.52	92.64	91.68	-51.25	766.85	-2,184.95	178.81	35.12	143.70	1.244 Level 2		
10,200.00	7,102.54	10,051.60	6,990.55	95.28	94.32	-51.39	762.08	-2,284.82	179.49	31.23	148.27	1.211 Level 2		
10,300.00	7,101.66	10,151.59	6,989.59	97.94	96.97	-51.53	757.31	-2,384.70	180.17	27.31	152.86	1.179 Level 2		
10,400.00	7,100.79	10,251.59	6,988.62	100.60	99.63	-51.66	752.54	-2,484.58	180.85	23.37	157.48	1.148 Level 2		
10,500.00	7,099.91	10,351.59	6,987.66	103.27	102.30	-51.80	747.77	-2,584.46	181.53	19.41	162.12	1.120 Level 2		
10,600.00	7,099.03	10,451.58	6,986.69	105.95	104.98	-51.93	743.00	-2,684.34	182.21	15.42	166.79	1.092 Level 2		
10,700.00	7,098.15	10,551.58	6,985.73	108.64	107.67	-52.06	738.23	-2,784.22	182.89	11.42	171.48	1.067 Level 2		
10,800.00	7,097.28	10,651.58	6,984.77	111.33	110.37	-52.19	733.46	-2,884.09	183.58	7.39	176.18	1.042 Level 2		
10,900.00	7,096.40	10,751.57	6,983.80	114.04	113.07	-52.32	728.69	-2,983.97	184.26	3.35	180.91	1.019 Level 2		
11,000.00	7,095.52	10,851.57	6,982.84	116.74	115.78	-52.45	723.92	-3,083.85	184.95	-0.71	185.66	0.996 Level 1		
11,100.00	7,094.64	10,951.57	6,981.87	119.46	118.50	-52.58	719.15	-3,183.73	185.63	-4.79	190.42	0.975 Level 1		
11,200.00	7,093.77	11,051.56	6,980.91	122.18	121.22	-52.71	714.38	-3,283.61	186.32	-8.89	195.21	0.954 Level 1		
11,300.00	7,092.89	11,151.56	6,979.94	124.91	123.94	-52.84	709.61	-3,383.49	187.01	-13.00	200.00	0.935 Level 1		
11,400.00	7,092.01	11,251.56	6,978.98	127.64	126.67	-52.96	704.84	-3,483.36	187.69	-17.12	204.82	0.916 Level 1		
11,500.00	7,091.13	11,351.55	6,978.01	130.38	129.41	-53.09	700.07	-3,583.24	188.38	-21.27	209.65	0.899 Level 1		
11,600.00	7,090.26	11,451.55	6,977.05	133.12	132.15	-53.21	695.30	-3,683.12	189.08	-25.42	214.50	0.881 Level 1		
11,700.00	7,089.38	11,551.55	6,976.08	135.86	134.89	-53.34	690.53	-3,783.00	189.77	-29.59	219.36	0.865 Level 1		
11,800.00	7,088.50	11,651.54	6,975.12	138.61	137.64	-53.46	685.76	-3,882.88	190.46	-33.77	224.23	0.849 Level 1		
11,900.00	7,087.63	11,751.54	6,974.15	141.36	140.39	-53.58	680.99	-3,982.76	191.15	-37.97	229.12	0.834 Level 1		
12,000.00	7,086.75	11,851.54	6,973.19	144.12	143.15	-53.70	676.22	-4,082.63	191.85	-42.18	234.02	0.820 Level 1		
12,100.00	7,085.87	11,951.54	6,972.22	146.88	145.90	-53.82	671.45	-4,182.51	192.54	-46.40	238.94	0.806 Level 1		
12,200.00	7,084.99	12,051.53	6,971.26	149.64	148.66	-53.94	666.68	-4,282.39	193.24	-50.63	243.87	0.792 Level 1		
12,300.00	7,084.12	12,151.53	6,970.29	152.40	151.43	-54.05	661.91	-4,382.27	193.93	-54.88	248.81	0.779 Level 1		
12,400.00	7,083.24	12,251.53	6,969.33	155.17	154.19	-54.17	657.14	-4,482.15	194.63	-59.13	253.76	0.767 Level 1		
12,500.00	7,082.36	12,351.52	6,968.36	157.94	156.96	-54.29	652.37	-4,582.03	195.33	-63.40	258.73	0.755 Level 1		
12,600.00	7,081.48	12,451.52	6,967.40	160.71	159.73	-54.40	647.60	-4,681.90	196.03	-67.68	263.70	0.743 Level 1		
12,700.00	7,080.61	12,551.52	6,966.44	163.49	162.51	-54.52	642.83	-4,781.78	196.73	-71.96	268.69	0.732 Level 1		
12,800.00	7,079.73	12,651.51	6,965.47	166.27	165.28	-54.63	638.06	-4,881.66	197.43	-76.26	273.69	0.721 Level 1		
12,900.00	7,078.85	12,751.51	6,964.51	169.04	168.06	-54.74	633.29	-4,981.54	198.13	-80.57	278.70	0.711 Level 1		
13,000.00	7,077.97	12,851.51	6,963.54	171.83	170.84	-54.86	628.53	-5,081.42	198.83	-84.88	283.72	0.701 Level 1		
13,100.00	7,077.10	12,951.50	6,962.58	174.61	173.62	-54.97	623.76	-5,181.29	199.53	-89.21	288.74	0.691 Level 1		
13,200.00	7,076.22	13,051.50	6,961.61	177.39	176.40	-55.08	618.99	-5,281.17	200.24	-93.55	293.78	0.682 Level 1		
13,300.00	7,075.34	13,151.50	6,960.65	180.18	179.19	-55.19	614.22	-5,381.05	200.94	-97.89	298.83	0.672 Level 1		
13,400.00	7,074.46	13,251.49	6,959.68	182.97	181.98	-55.30	609.45	-5,480.93	201.65	-102.24	303.89	0.664 Level 1		
13,500.00	7,073.59	13,351.49	6,958.72	185.76	184.76	-55.41	604.68	-5,580.81	202.35	-106.61	308.96	0.655 Level 1		
13,600.00	7,072.71	13,451.49	6,957.75	188.55	187.55	-55.51	599.91	-5,680.69	203.06	-110.98	314.04	0.647 Level 1		
13,700.00	7,071.83	13,551.48	6,956.79	191.34	190.35	-55.62	595.14	-5,780.56	203.77	-115.36	319.12	0.639 Level 1		
13,800.00	7,070.95	13,651.48	6,955.82	194.14	193.14	-55.73	590.37	-5,880.44	204.47	-119.74	324.22	0.631 Level 1		
13,900.00	7,070.08	13,751.48	6,954.86	196.93	195.93	-55.83	585.60	-5,980.32	205.18	-124.14	329.32	0.623 Level 1		
14,000.00	7,069.20	13,851.47	6,953.89	199.73	198.73	-55.94	580.83	-6,080.20	205.89	-128.54	334.43	0.616 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 32C-6-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 32C-6-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	7,068.32	13,951.47	6,952.93	202.53	201.52	-56.04	576.06	-6,180.08	206.60	-132.95	339.55	0.608	Level 1	
14,200.00	7,067.45	14,051.47	6,951.96	205.33	204.32	-56.14	571.29	-6,279.96	207.31	-137.36	344.68	0.601	Level 1	
14,300.00	7,066.57	14,151.46	6,951.00	208.13	207.12	-56.24	566.52	-6,379.83	208.02	-141.79	349.81	0.595	Level 1	
14,400.00	7,065.69	14,251.46	6,950.03	210.93	209.92	-56.35	561.75	-6,479.71	208.74	-146.22	354.96	0.588	Level 1	
14,500.00	7,064.81	14,351.46	6,949.07	213.73	212.72	-56.45	556.98	-6,579.59	209.45	-150.66	360.11	0.582	Level 1	
14,600.00	7,063.94	14,451.45	6,948.10	216.54	215.52	-56.55	552.21	-6,679.47	210.16	-155.10	365.26	0.575	Level 1	
14,700.00	7,063.06	14,551.45	6,947.14	219.34	218.32	-56.65	547.44	-6,779.35	210.88	-159.55	370.43	0.569	Level 1	
14,800.00	7,062.18	14,651.45	6,946.18	222.15	221.12	-56.75	542.67	-6,879.23	211.59	-164.01	375.60	0.563	Level 1	
14,900.00	7,061.30	14,751.45	6,945.21	224.95	223.93	-56.84	537.90	-6,979.10	212.30	-168.48	380.78	0.558	Level 1	
15,000.00	7,060.43	14,851.44	6,944.25	227.76	226.73	-56.94	533.13	-7,078.98	213.02	-172.95	385.97	0.552	Level 1	
15,100.00	7,059.55	14,951.44	6,943.28	230.57	229.54	-57.04	528.36	-7,178.86	213.74	-177.43	391.16	0.546	Level 1	
15,200.00	7,058.67	15,051.44	6,942.32	233.38	232.35	-57.14	523.59	-7,278.74	214.45	-181.91	396.36	0.541	Level 1	
15,300.00	7,057.79	15,151.43	6,941.35	236.19	235.15	-57.23	518.82	-7,378.62	215.17	-186.40	401.57	0.536	Level 1	
15,400.00	7,056.92	15,251.43	6,940.39	239.00	237.96	-57.33	514.05	-7,478.50	215.89	-190.89	406.78	0.531	Level 1	
15,500.00	7,056.04	15,351.43	6,939.42	241.81	240.77	-57.42	509.28	-7,578.37	216.61	-195.39	412.00	0.526	Level 1	
15,600.00	7,055.16	15,451.42	6,938.46	244.62	243.58	-57.51	504.51	-7,678.25	217.33	-199.90	417.23	0.521	Level 1	
15,700.00	7,054.28	15,551.42	6,937.49	247.43	246.39	-57.61	499.74	-7,778.13	218.05	-204.41	422.46	0.516	Level 1	
15,800.00	7,053.41	15,651.42	6,936.53	250.25	249.20	-57.70	494.97	-7,878.01	218.77	-208.93	427.70	0.512	Level 1	
15,846.35	7,053.00	15,697.76	6,936.08	251.55	250.50	-57.74	492.76	-7,924.30	219.10	-211.02	430.13	0.509	Level 1, ES, SF	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	299.98	299.98	3.44	3.44	141.82	-74.68	-7.24	76.40	69.51	6.89	11.089		
400.00	399.84	400.15	400.13	3.61	3.60	142.84	-74.73	-5.49	80.38	73.17	7.20	11.157		
500.00	499.45	500.24	500.08	3.81	3.80	142.80	-74.86	-0.24	86.79	79.18	7.61	11.407		
600.00	598.70	600.15	599.61	4.06	4.04	141.91	-75.09	8.47	95.62	87.53	8.09	11.812		
700.00	697.47	700.28	698.43	4.35	4.32	140.46	-75.41	20.54	106.91	98.26	8.66	12.352		
800.00	795.62	801.26	796.57	4.66	4.62	139.75	-75.75	33.72	120.82	111.54	9.28	13.015		
817.50	812.73	816.03	813.70	4.73	4.67	139.74	-75.81	36.02	123.53	114.14	9.39	13.152		
900.00	893.32	902.50	894.45	5.01	4.96	139.93	-76.10	46.86	136.48	126.52	9.96	13.698		
1,000.00	991.01	1,003.74	992.33	5.38	5.32	140.11	-76.44	60.00	152.18	141.50	10.68	14.246		
1,100.00	1,088.69	1,104.98	1,090.21	5.77	5.69	140.26	-76.79	73.15	167.88	156.44	11.44	14.680		
1,200.00	1,186.38	1,206.22	1,188.09	6.18	6.08	140.38	-77.13	86.29	183.58	171.36	12.22	15.026		
1,300.00	1,284.06	1,307.46	1,285.97	6.60	6.48	140.49	-77.47	99.43	199.28	186.26	13.02	15.304		
1,400.00	1,381.75	1,408.70	1,383.85	7.03	6.88	140.58	-77.82	112.57	214.98	201.14	13.85	15.527		
1,500.00	1,479.44	1,509.94	1,481.73	7.47	7.30	140.65	-78.16	125.72	230.68	216.00	14.69	15.708		
1,600.00	1,577.12	1,588.81	1,579.61	7.91	7.63	140.72	-78.51	138.86	246.39	230.94	15.44	15.953		
1,700.00	1,674.81	1,687.57	1,677.49	8.37	8.05	140.78	-78.85	152.00	262.09	245.79	16.30	16.082		
1,800.00	1,772.49	1,786.33	1,775.37	8.82	8.47	140.83	-79.20	165.14	277.79	260.63	17.16	16.189		
1,900.00	1,870.18	1,885.09	1,873.25	9.28	8.89	140.88	-79.54	178.29	293.50	275.47	18.03	16.278		
2,000.00	1,967.87	1,983.85	1,971.13	9.75	9.32	140.92	-79.88	191.43	309.20	290.29	18.91	16.353		
2,100.00	2,065.55	2,082.61	2,069.01	10.22	9.75	140.96	-80.23	204.57	324.90	305.11	19.79	16.417		
2,200.00	2,163.24	2,181.37	2,166.89	10.69	10.19	140.99	-80.57	217.71	340.61	319.93	20.68	16.471		
2,300.00	2,260.92	2,280.13	2,264.77	11.16	10.62	141.02	-80.92	230.86	356.31	334.74	21.57	16.516		
2,400.00	2,358.61	2,378.89	2,362.65	11.64	11.06	141.05	-81.26	244.00	372.02	349.55	22.47	16.556		
2,500.00	2,456.30	2,477.65	2,460.53	12.12	11.50	141.08	-81.60	257.14	387.72	364.35	23.37	16.589		
2,600.00	2,553.98	2,576.41	2,558.41	12.59	11.94	141.10	-81.95	270.28	403.43	379.15	24.28	16.618		
2,700.00	2,651.67	2,675.16	2,656.29	13.08	12.39	141.13	-82.29	283.43	419.13	393.95	25.18	16.643		
2,800.00	2,749.35	2,773.92	2,754.17	13.56	12.83	141.15	-82.64	296.57	434.83	408.74	26.09	16.665		
2,900.00	2,847.04	2,872.68	2,852.05	14.04	13.27	141.17	-82.98	309.71	450.54	423.53	27.01	16.683		
3,000.00	2,944.72	2,971.44	2,949.93	14.52	13.72	141.18	-83.33	322.85	466.24	438.32	27.92	16.699		
3,100.00	3,042.41	3,070.20	3,047.81	15.01	14.17	141.20	-83.67	336.00	481.95	453.11	28.84	16.713		
3,200.00	3,140.10	3,168.96	3,145.69	15.50	14.62	141.22	-84.01	349.14	497.65	467.90	29.75	16.726		
3,300.00	3,237.78	3,267.72	3,243.57	15.98	15.07	141.23	-84.36	362.28	513.36	482.68	30.67	16.736		
3,400.00	3,335.47	3,366.48	3,341.45	16.47	15.52	141.25	-84.70	375.42	529.06	497.47	31.59	16.746		
3,500.00	3,433.15	3,465.24	3,439.33	16.96	15.97	141.26	-85.05	388.57	544.77	512.25	32.52	16.754		
3,600.00	3,530.84	3,564.00	3,537.21	17.45	16.42	141.27	-85.39	401.71	560.47	527.03	33.44	16.761		
3,700.00	3,628.53	3,662.75	3,635.09	17.94	16.87	141.28	-85.73	414.85	576.18	541.81	34.36	16.767		
3,800.00	3,726.21	3,761.51	3,732.97	18.43	17.32	141.30	-86.08	427.99	591.88	556.59	35.29	16.772		
3,900.00	3,823.90	3,860.27	3,830.85	18.92	17.77	141.31	-86.42	441.14	607.58	571.37	36.22	16.777		
4,000.00	3,921.58	3,959.03	3,928.73	19.41	18.23	141.32	-86.77	454.28	623.29	586.15	37.14	16.781		
4,100.00	4,019.27	4,057.79	4,026.61	19.90	18.68	141.33	-87.11	467.42	638.99	600.92	38.07	16.784		
4,200.00	4,116.96	4,156.55	4,124.49	20.39	19.13	141.33	-87.46	480.56	654.70	615.70	39.00	16.787		
4,300.00	4,214.64	4,255.31	4,222.37	20.88	19.59	141.34	-87.80	493.70	670.40	630.48	39.93	16.790		
4,400.00	4,312.33	4,354.07	4,320.25	21.37	20.04	141.35	-88.14	506.85	686.11	645.25	40.86	16.792		
4,500.00	4,410.01	4,452.83	4,418.13	21.87	20.49	141.36	-88.49	519.99	701.81	660.02	41.79	16.794		
4,600.00	4,507.70	4,551.59	4,516.01	22.36	20.95	141.37	-88.83	533.13	717.52	674.80	42.72	16.795		
4,700.00	4,605.39	4,650.35	4,613.89	22.85	21.40	141.37	-89.18	546.27	733.22	689.57	43.65	16.797		
4,800.00	4,703.07	4,749.10	4,711.77	23.35	21.86	141.38	-89.52	559.42	748.93	704.34	44.59	16.798		
4,900.00	4,800.76	4,847.86	4,809.65	23.84	22.32	141.39	-89.86	572.56	764.63	719.12	45.52	16.798		
5,000.00	4,898.44	4,946.62	4,907.54	24.33	22.77	141.39	-90.21	585.70	780.34	733.89	46.45	16.799		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,045.38	5,005.42	24.83	23.23	141.40	-90.55	598.84	796.04	748.66	47.39	16.799		
5,200.00	5,093.82	5,144.14	5,103.30	25.32	23.68	141.41	-90.90	611.99	811.75	763.43	48.32	16.800		
5,300.00	5,191.50	5,242.90	5,201.18	25.82	24.14	141.41	-91.24	625.13	827.45	778.20	49.25	16.800		
5,400.00	5,289.19	5,341.66	5,299.06	26.31	24.60	141.42	-91.59	638.27	843.16	792.97	50.19	16.800		
5,500.00	5,386.87	5,440.42	5,396.94	26.81	25.05	141.42	-91.93	651.41	858.86	807.74	51.12	16.800		
5,600.00	5,484.56	5,539.18	5,494.82	27.30	25.51	141.43	-92.27	664.56	874.57	822.51	52.06	16.800		
5,700.00	5,582.25	5,637.94	5,592.70	27.80	25.97	141.43	-92.62	677.70	890.27	837.28	52.99	16.799		
5,800.00	5,679.93	5,736.69	5,690.58	28.29	26.42	141.44	-92.96	690.84	905.98	852.05	53.93	16.799		
5,900.00	5,777.62	5,835.45	5,788.46	28.79	26.88	141.44	-93.31	703.98	921.68	866.82	54.87	16.798		
6,000.00	5,875.30	5,934.21	5,886.34	29.28	27.34	141.45	-93.65	717.13	937.39	881.58	55.80	16.798		
6,100.00	5,972.99	6,032.97	5,984.22	29.78	27.80	141.45	-93.99	730.27	953.09	896.35	56.74	16.797		
6,200.00	6,070.67	6,131.73	6,082.10	30.27	28.25	141.45	-94.34	743.41	968.80	911.12	57.68	16.797		
6,300.00	6,168.36	6,230.49	6,179.98	30.77	28.71	141.46	-94.68	756.55	984.50	925.89	58.61	16.796		
6,400.00	6,266.05	6,329.25	6,277.86	31.26	29.17	141.46	-95.03	769.70	1,000.21	940.66	59.55	16.795		
6,500.00	6,363.73	6,428.01	6,375.74	31.76	29.63	141.47	-95.37	782.84	1,015.91	955.42	60.49	16.795		
6,534.50	6,397.43	6,462.08	6,409.50	31.93	29.79	141.47	-95.49	787.37	1,021.33	960.52	60.81	16.794		
6,550.00	6,412.60	6,477.39	6,424.68	32.01	29.86	146.48	-95.54	789.41	1,023.74	962.78	60.96	16.794		
6,600.00	6,461.82	6,516.95	6,464.04	32.24	30.03	168.76	-95.73	793.34	1,031.41	970.09	61.32	16.821		
6,650.00	6,511.25	6,566.90	6,503.95	32.45	30.20	-161.58	-95.99	794.82	1,038.98	977.32	61.66	16.851		
6,700.00	6,560.58	6,596.91	6,543.94	32.64	30.36	-135.97	-96.34	793.79	1,046.39	984.42	61.97	16.886		
6,750.00	6,609.51	6,637.02	6,583.88	32.83	30.51	-119.71	-96.77	790.24	1,053.62	991.35	62.27	16.921		
6,800.00	6,657.74	6,677.27	6,623.66	33.01	30.66	-109.86	-97.29	784.17	1,060.61	998.05	62.57	16.951		
6,850.00	6,704.97	6,717.69	6,663.14	33.18	30.81	-103.56	-97.88	775.54	1,067.35	1,004.48	62.88	16.976		
6,900.00	6,750.90	6,758.33	6,702.21	33.36	30.96	-99.27	-98.55	764.37	1,073.80	1,010.61	63.19	16.992		
6,950.00	6,795.26	6,799.23	6,740.71	33.54	31.12	-96.22	-99.31	750.63	1,079.93	1,016.40	63.53	16.999		
7,000.00	6,837.77	6,840.43	6,778.53	33.73	31.28	-93.96	-100.14	734.32	1,085.70	1,021.82	63.89	16.994		
7,050.00	6,878.17	6,881.96	6,815.50	33.92	31.45	-92.27	-101.05	715.44	1,091.11	1,026.84	64.27	16.977		
7,100.00	6,916.21	6,923.88	6,851.49	34.13	31.62	-90.99	-102.03	693.99	1,096.12	1,031.43	64.69	16.944		
7,150.00	6,951.66	6,966.21	6,886.32	34.36	31.81	-90.03	-103.09	669.96	1,100.72	1,035.57	65.15	16.894		
7,200.00	6,984.29	7,009.02	6,919.84	34.61	32.01	-89.33	-104.23	643.37	1,104.89	1,039.23	65.67	16.826		
7,250.00	7,013.91	7,052.34	6,951.86	34.89	32.22	-88.84	-105.43	614.23	1,108.62	1,042.38	66.23	16.738		
7,300.00	7,040.34	7,096.22	6,982.19	35.20	32.46	-88.53	-106.71	582.57	1,111.89	1,045.02	66.87	16.628		
7,350.00	7,063.40	7,140.71	7,010.65	35.55	32.72	-88.39	-108.05	548.41	1,114.69	1,047.12	67.57	16.497		
7,400.00	7,082.97	7,185.85	7,037.01	35.94	33.01	-88.39	-109.45	511.80	1,117.02	1,048.68	68.35	16.344		
7,450.00	7,098.91	7,231.70	7,061.06	36.36	33.33	-88.52	-110.92	472.80	1,118.87	1,049.68	69.20	16.169		
7,500.00	7,111.13	7,278.30	7,082.56	36.83	33.69	-88.78	-112.44	431.50	1,120.24	1,050.12	70.12	15.975		
7,550.00	7,119.55	7,325.71	7,101.27	37.34	34.09	-89.15	-114.01	387.98	1,121.12	1,050.00	71.12	15.763		
7,600.00	7,124.13	7,373.97	7,116.94	37.88	34.53	-89.64	-115.62	342.38	1,121.51	1,049.32	72.19	15.535		
7,639.68	7,125.00	7,412.90	7,127.03	38.33	34.91	-90.11	-116.93	304.80	1,121.48	1,048.39	73.09	15.345		
7,700.00	7,124.48	7,473.75	7,138.15	39.05	35.56	-90.70	-118.97	245.04	1,121.22	1,046.69	74.53	15.044		
7,800.00	7,123.60	7,577.44	7,143.88	40.40	36.75	-91.04	-122.39	141.67	1,120.65	1,043.53	77.12	14.531		
7,900.00	7,122.72	7,677.43	7,142.72	41.90	38.07	-91.03	-125.65	41.74	1,119.93	1,039.96	79.97	14.005		
8,000.00	7,121.84	7,777.43	7,141.56	43.54	39.54	-91.01	-128.91	-58.20	1,119.21	1,036.12	83.09	13.469		
8,100.00	7,120.97	7,877.43	7,140.39	45.30	41.16	-91.00	-132.16	-158.14	1,118.49	1,032.01	86.48	12.933		
8,200.00	7,120.09	7,977.42	7,139.23	47.17	42.90	-90.98	-135.42	-258.07	1,117.77	1,027.67	90.10	12.406		
8,300.00	7,119.21	8,077.42	7,138.07	49.13	44.75	-90.97	-138.68	-358.01	1,117.04	1,023.12	93.93	11.893		
8,400.00	7,118.33	8,177.42	7,136.90	51.18	46.71	-90.96	-141.93	-457.95	1,116.32	1,018.39	97.93	11.399		
8,500.00	7,117.46	8,277.41	7,135.74	53.30	48.75	-90.94	-145.19	-557.89	1,115.60	1,013.50	102.10	10.927		
8,600.00	7,116.58	8,377.41	7,134.58	55.48	50.87	-90.93	-148.45	-657.82	1,114.88	1,008.47	106.41	10.478		
8,700.00	7,115.70	8,477.41	7,133.41	57.72	53.06	-90.91	-151.70	-757.76	1,114.16	1,003.32	110.84	10.052		
8,800.00	7,114.82	8,577.41	7,132.25	60.02	55.31	-90.90	-154.96	-857.70	1,113.44	998.06	115.38	9.650		
8,900.00	7,113.95	8,677.40	7,131.09	62.36	57.61	-90.89	-158.22	-957.63	1,112.72	992.70	120.02	9.271		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 33C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,113.07	8,777.40	7,129.93	64.74	59.96	-90.87	-161.47	-1,057.57	1,111.99	987.25	124.75	8.914		
9,100.00	7,112.19	8,877.40	7,128.76	67.15	62.35	-90.86	-164.73	-1,157.51	1,111.27	981.72	129.55	8.578		
9,200.00	7,111.31	8,977.39	7,127.60	69.60	64.77	-90.84	-167.98	-1,257.45	1,110.55	976.13	134.42	8.262		
9,300.00	7,110.44	9,077.39	7,126.44	72.08	67.23	-90.83	-171.24	-1,357.38	1,109.83	970.48	139.36	7.964		
9,400.00	7,109.56	9,177.39	7,125.27	74.58	69.72	-90.82	-174.50	-1,457.32	1,109.11	964.77	144.34	7.684		
9,500.00	7,108.68	9,277.38	7,124.11	77.10	72.23	-90.80	-177.75	-1,557.26	1,108.39	959.01	149.38	7.420		
9,600.00	7,107.81	9,377.38	7,122.95	79.65	74.77	-90.79	-181.01	-1,657.20	1,107.67	953.20	154.47	7.171		
9,700.00	7,106.93	9,477.38	7,121.78	82.22	77.33	-90.77	-184.27	-1,757.13	1,106.95	947.36	159.59	6.936		
9,800.00	7,106.05	9,577.38	7,120.62	84.80	79.91	-90.76	-187.52	-1,857.07	1,106.23	941.47	164.75	6.714		
9,900.00	7,105.17	9,677.37	7,119.46	87.40	82.50	-90.74	-190.78	-1,957.01	1,105.51	935.56	169.95	6.505		
10,000.00	7,104.30	9,777.37	7,118.29	90.02	85.11	-90.73	-194.04	-2,056.94	1,104.79	929.61	175.17	6.307		
10,100.00	7,103.42	9,877.37	7,117.13	92.64	87.74	-90.72	-197.29	-2,156.88	1,104.07	923.64	180.42	6.119		
10,200.00	7,102.54	9,977.36	7,115.97	95.28	90.38	-90.70	-200.55	-2,256.82	1,103.35	917.64	185.70	5.941		
10,300.00	7,101.66	10,077.36	7,114.80	97.94	93.03	-90.69	-203.81	-2,356.76	1,102.63	911.62	191.00	5.773		
10,400.00	7,100.79	10,177.36	7,113.64	100.60	95.69	-90.67	-207.06	-2,456.69	1,101.90	905.58	196.33	5.613		
10,500.00	7,099.91	10,277.35	7,112.48	103.27	98.36	-90.66	-210.32	-2,556.63	1,101.18	899.52	201.67	5.460		
10,600.00	7,099.03	10,377.35	7,111.31	105.95	101.04	-90.64	-213.58	-2,656.57	1,100.46	893.43	207.03	5.315		
10,700.00	7,098.15	10,477.35	7,110.15	108.64	103.73	-90.63	-216.83	-2,756.50	1,099.74	887.34	212.41	5.178		
10,800.00	7,097.28	10,577.35	7,108.99	111.33	106.43	-90.61	-220.09	-2,856.44	1,099.02	881.22	217.80	5.046		
10,900.00	7,096.40	10,677.34	7,107.83	114.04	109.14	-90.60	-223.35	-2,956.38	1,098.30	875.10	223.21	4.921		
11,000.00	7,095.52	10,777.34	7,106.66	116.74	111.85	-90.59	-226.60	-3,056.32	1,097.58	868.96	228.63	4.801		
11,100.00	7,094.64	10,877.34	7,105.50	119.46	114.57	-90.57	-229.86	-3,156.25	1,096.87	862.80	234.06	4.686		
11,200.00	7,093.77	10,977.33	7,104.34	122.18	117.29	-90.56	-233.12	-3,256.19	1,096.15	856.64	239.51	4.577		
11,300.00	7,092.89	11,077.33	7,103.17	124.91	120.02	-90.54	-236.37	-3,356.13	1,095.43	850.46	244.96	4.472		
11,400.00	7,092.01	11,177.33	7,102.01	127.64	122.76	-90.53	-239.63	-3,456.07	1,094.71	844.28	250.43	4.371		
11,500.00	7,091.13	11,277.32	7,100.85	130.38	125.50	-90.51	-242.89	-3,556.00	1,093.99	838.08	255.90	4.275		
11,600.00	7,090.26	11,377.32	7,099.68	133.12	128.24	-90.50	-246.14	-3,655.94	1,093.27	831.88	261.39	4.183		
11,700.00	7,089.38	11,477.32	7,098.52	135.86	130.99	-90.48	-249.40	-3,755.88	1,092.55	825.67	266.88	4.094		
11,800.00	7,088.50	11,577.32	7,097.36	138.61	133.75	-90.47	-252.65	-3,855.81	1,091.83	819.45	272.38	4.008		
11,900.00	7,087.63	11,677.31	7,096.19	141.36	136.50	-90.45	-255.91	-3,955.75	1,091.11	813.22	277.89	3.926		
12,000.00	7,086.75	11,777.31	7,095.03	144.12	139.26	-90.44	-259.17	-4,055.69	1,090.39	806.99	283.40	3.847		
12,100.00	7,085.87	11,877.31	7,093.87	146.88	142.03	-90.42	-262.42	-4,155.63	1,089.67	800.75	288.93	3.771		
12,200.00	7,084.99	11,977.30	7,092.70	149.64	144.79	-90.41	-265.68	-4,255.56	1,088.95	794.50	294.45	3.698		
12,300.00	7,084.12	12,077.30	7,091.54	152.40	147.56	-90.39	-268.94	-4,355.50	1,088.23	788.25	299.99	3.628		
12,400.00	7,083.24	12,177.30	7,090.38	155.17	150.33	-90.38	-272.19	-4,455.44	1,087.51	781.99	305.53	3.559		
12,500.00	7,082.36	12,277.30	7,089.21	157.94	153.11	-90.36	-275.45	-4,555.37	1,086.80	775.73	311.07	3.494		
12,600.00	7,081.48	12,377.29	7,088.05	160.71	155.89	-90.35	-278.71	-4,655.31	1,086.08	769.46	316.62	3.430		
12,700.00	7,080.61	12,477.29	7,086.89	163.49	158.66	-90.34	-281.96	-4,755.25	1,085.36	763.19	322.17	3.369		
12,800.00	7,079.73	12,577.29	7,085.72	166.27	161.45	-90.32	-285.22	-4,855.19	1,084.64	756.91	327.73	3.310		
12,900.00	7,078.85	12,677.28	7,084.56	169.04	164.23	-90.31	-288.48	-4,955.12	1,083.92	750.63	333.29	3.252		
13,000.00	7,077.97	12,777.28	7,083.40	171.83	167.02	-90.29	-291.73	-5,055.06	1,083.20	744.34	338.86	3.197		
13,100.00	7,077.10	12,877.28	7,082.24	174.61	169.80	-90.28	-294.99	-5,155.00	1,082.48	738.06	344.43	3.143		
13,200.00	7,076.22	12,977.27	7,081.07	177.39	172.59	-90.26	-298.25	-5,254.94	1,081.77	731.76	350.00	3.091		
13,300.00	7,075.34	13,077.27	7,079.91	180.18	175.38	-90.25	-301.50	-5,354.87	1,081.05	725.47	355.58	3.040		
13,400.00	7,074.46	13,177.27	7,078.75	182.97	178.18	-90.23	-304.76	-5,454.81	1,080.33	719.17	361.16	2.991		
13,500.00	7,073.59	13,277.27	7,077.58	185.76	180.97	-90.22	-308.02	-5,554.75	1,079.61	712.87	366.74	2.944		
13,600.00	7,072.71	13,377.26	7,076.42	188.55	183.77	-90.20	-311.27	-5,654.68	1,078.89	706.56	372.33	2.898		
13,700.00	7,071.83	13,477.26	7,075.26	191.34	186.57	-90.19	-314.53	-5,754.62	1,078.18	700.26	377.92	2.853		
13,800.00	7,070.95	13,577.26	7,074.09	194.14	189.36	-90.17	-317.79	-5,854.56	1,077.46	693.95	383.51	2.809		
13,900.00	7,070.08	13,677.25	7,072.93	196.93	192.16	-90.16	-321.04	-5,954.50	1,076.74	687.63	389.11	2.767		
14,000.00	7,069.20	13,777.25	7,071.77	199.73	194.97	-90.14	-324.30	-6,054.43	1,076.02	681.32	394.70	2.726		
14,100.00	7,068.32	13,877.25	7,070.60	202.53	197.77	-90.13	-327.55	-6,154.37	1,075.31	675.00	400.30	2.686		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,067.45	13,977.24	7,069.44	205.33	200.57	-90.11	-330.81	-6,254.31	1,074.59	668.68	405.91	2.647		
14,300.00	7,066.57	14,077.24	7,068.28	208.13	203.38	-90.09	-334.07	-6,354.24	1,073.87	662.36	411.51	2.610		
14,400.00	7,065.69	14,177.24	7,067.11	210.93	206.18	-90.08	-337.32	-6,454.18	1,073.15	656.04	417.12	2.573		
14,500.00	7,064.81	14,277.24	7,065.95	213.73	208.99	-90.06	-340.58	-6,554.12	1,072.44	649.71	422.72	2.537		
14,600.00	7,063.94	14,377.23	7,064.79	216.54	211.80	-90.05	-343.84	-6,654.06	1,071.72	643.38	428.33	2.502		
14,700.00	7,063.06	14,477.23	7,063.62	219.34	214.61	-90.03	-347.09	-6,753.99	1,071.00	637.06	433.95	2.468		
14,800.00	7,062.18	14,577.23	7,062.46	222.15	217.42	-90.02	-350.35	-6,853.93	1,070.28	630.72	439.56	2.435		
14,900.00	7,061.30	14,677.22	7,061.30	224.95	220.23	-90.00	-353.61	-6,953.87	1,069.57	624.39	445.18	2.403		
15,000.00	7,060.43	14,777.22	7,060.14	227.76	223.04	-89.99	-356.86	-7,053.81	1,068.85	618.06	450.79	2.371		
15,100.00	7,059.55	14,877.22	7,058.97	230.57	225.85	-89.97	-360.12	-7,153.74	1,068.13	611.72	456.41	2.340		
15,200.00	7,058.67	14,977.21	7,057.81	233.38	228.66	-89.96	-363.38	-7,253.68	1,067.42	605.39	462.03	2.310		
15,300.00	7,057.79	15,077.21	7,056.65	236.19	231.48	-89.94	-366.63	-7,353.62	1,066.70	599.05	467.65	2.281		
15,400.00	7,056.92	15,177.21	7,055.48	239.00	234.29	-89.93	-369.89	-7,453.55	1,065.98	592.71	473.28	2.252		
15,500.00	7,056.04	15,277.21	7,054.32	241.81	237.11	-89.91	-373.15	-7,553.49	1,065.27	586.37	478.90	2.224		
15,600.00	7,055.16	15,377.20	7,053.16	244.62	239.92	-89.90	-376.40	-7,653.43	1,064.55	580.02	484.53	2.197		
15,700.00	7,054.28	15,477.20	7,051.99	247.43	242.74	-89.88	-379.66	-7,753.37	1,063.83	573.68	490.15	2.170		
15,800.00	7,053.41	15,577.20	7,050.83	250.25	245.56	-89.86	-382.92	-7,853.30	1,063.12	567.34	495.78	2.144		
15,846.35	7,053.00	15,623.54	7,050.29	251.55	246.86	-89.86	-384.42	-7,899.62	1,062.79	564.39	498.39	2.132 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-174.41	-59.75	-5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-59.75	-5.85	60.03	53.46	6.57	9.138		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-59.75	-5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	299.98	300.80	300.78	3.44	3.44	140.56	-59.23	-4.15	60.72	53.83	6.89	8.812		
400.00	399.84	401.55	401.38	3.61	3.61	139.09	-57.69	0.94	62.81	55.60	7.21	8.709		
500.00	499.45	502.21	501.65	3.81	3.82	136.85	-55.13	9.40	66.37	58.74	7.63	8.696		
600.00	598.70	602.73	601.41	4.06	4.08	134.09	-51.55	21.20	71.50	63.35	8.15	8.776		
700.00	697.47	703.07	700.49	4.35	4.41	131.08	-46.97	36.32	78.28	69.52	8.76	8.941		
800.00	795.62	803.04	798.63	4.66	4.79	128.14	-41.45	54.54	86.80	77.34	9.45	9.182		
817.50	812.73	820.45	815.69	4.73	4.86	127.76	-40.45	57.86	88.50	78.91	9.59	9.232		
900.00	893.32	902.51	896.10	5.01	5.22	126.40	-35.71	73.52	96.71	86.49	10.23	9.458		
1,000.00	991.01	1,001.98	993.57	5.38	5.67	125.03	-29.96	92.49	106.73	95.68	11.05	9.658		
1,100.00	1,088.69	1,101.45	1,091.05	5.77	6.16	123.90	-24.21	111.46	116.79	104.87	11.92	9.797		
1,200.00	1,186.38	1,200.91	1,188.52	6.18	6.66	122.95	-18.46	130.43	126.90	114.07	12.83	9.893		
1,300.00	1,284.06	1,300.38	1,285.99	6.60	7.18	122.13	-12.72	149.40	137.03	123.27	13.76	9.958		
1,400.00	1,381.75	1,400.15	1,383.46	7.03	7.71	121.43	-6.97	168.37	147.19	132.47	14.72	10.001		
1,500.00	1,479.44	1,500.68	1,480.94	7.47	8.25	120.82	-1.22	187.35	157.36	141.67	15.70	10.024		
1,600.00	1,577.12	1,601.21	1,578.41	7.91	8.81	120.29	4.52	206.32	167.56	150.86	16.69	10.037		
1,700.00	1,674.81	1,701.75	1,675.88	8.37	9.37	119.81	10.27	225.29	177.76	160.06	17.70	10.041		
1,800.00	1,772.49	1,802.28	1,773.35	8.82	9.94	119.39	16.02	244.26	187.98	169.25	18.72	10.041		
1,900.00	1,870.18	1,902.81	1,870.83	9.28	10.51	119.01	21.76	263.23	198.20	178.45	19.75	10.036		
2,000.00	1,967.87	2,003.34	1,968.30	9.75	11.08	118.67	27.51	282.20	208.43	187.65	20.79	10.028		
2,100.00	2,065.55	2,096.12	2,065.77	10.22	11.62	118.36	33.26	301.17	218.67	196.89	21.78	10.039		
2,200.00	2,163.24	2,204.41	2,163.24	10.69	12.24	118.07	39.00	320.15	228.92	206.04	22.88	10.007		
2,300.00	2,260.92	2,304.94	2,260.72	11.16	12.83	117.82	44.75	339.12	239.17	215.24	23.93	9.995		
2,400.00	2,358.61	2,405.47	2,358.19	11.64	13.41	117.58	50.50	358.09	249.42	224.43	24.99	9.983		
2,500.00	2,456.30	2,506.00	2,455.66	12.12	14.00	117.36	56.24	377.06	259.68	233.63	26.05	9.970		
2,600.00	2,553.98	2,606.54	2,553.13	12.59	14.59	117.16	61.99	396.03	269.94	242.83	27.11	9.957		
2,700.00	2,651.67	2,707.07	2,650.61	13.08	15.18	116.97	67.74	415.00	280.20	252.03	28.18	9.944		
2,800.00	2,749.35	2,807.60	2,748.08	13.56	15.78	116.80	73.49	433.98	290.47	261.22	29.25	9.932		
2,900.00	2,847.04	2,908.13	2,845.55	14.04	16.37	116.64	79.23	452.95	300.74	270.42	30.32	9.919		
3,000.00	2,944.72	3,008.66	2,943.02	14.52	16.97	116.49	84.98	471.92	311.01	279.62	31.39	9.907		
3,100.00	3,042.41	3,109.20	3,040.50	15.01	17.56	116.34	90.73	490.89	321.29	288.82	32.47	9.895		
3,200.00	3,140.10	3,209.73	3,137.97	15.50	18.16	116.21	96.47	509.86	331.56	298.02	33.55	9.884		
3,300.00	3,237.78	3,289.74	3,235.44	15.98	18.63	116.09	102.22	528.83	341.84	307.34	34.50	9.907		
3,400.00	3,335.47	3,389.21	3,332.91	16.47	19.23	115.97	107.97	547.80	352.12	316.54	35.58	9.897		
3,500.00	3,433.15	3,488.67	3,430.39	16.96	19.82	115.86	113.71	566.78	362.40	325.75	36.65	9.887		
3,600.00	3,530.84	3,588.14	3,527.86	17.45	20.41	115.75	119.46	585.75	372.68	334.95	37.73	9.878		
3,700.00	3,628.53	3,687.61	3,625.33	17.94	21.01	115.66	125.21	604.72	382.96	344.16	38.81	9.868		
3,800.00	3,726.21	3,787.08	3,722.80	18.43	21.60	115.56	130.95	623.69	393.25	353.36	39.89	9.859		
3,900.00	3,823.90	3,886.55	3,820.28	18.92	22.19	115.47	136.70	642.66	403.53	362.57	40.97	9.851		
4,000.00	3,921.58	3,986.01	3,917.75	19.41	22.79	115.39	142.45	661.63	413.82	371.77	42.05	9.842		
4,100.00	4,019.27	4,085.48	4,015.22	19.90	23.38	115.31	148.19	680.61	424.10	380.98	43.13	9.834		
4,200.00	4,116.96	4,184.95	4,112.69	20.39	23.98	115.23	153.94	699.58	434.39	390.18	44.21	9.826		
4,300.00	4,214.64	4,284.42	4,210.17	20.88	24.58	115.16	159.69	718.55	444.68	399.39	45.29	9.818		
4,400.00	4,312.33	4,383.88	4,307.64	21.37	25.17	115.09	165.43	737.52	454.97	408.59	46.37	9.811		
4,500.00	4,410.01	4,483.35	4,405.11	21.87	25.77	115.02	171.18	756.49	465.26	417.80	47.46	9.804		
4,600.00	4,507.70	4,583.48	4,503.42	22.36	26.35	115.08	176.68	774.65	475.49	426.96	48.53	9.797		
4,700.00	4,605.39	4,683.71	4,602.42	22.85	26.89	115.53	181.22	789.62	485.57	436.01	49.57	9.797		
4,800.00	4,703.07	4,783.59	4,701.55	23.35	27.38	116.38	184.74	801.24	495.56	445.02	50.55	9.804		
4,900.00	4,800.76	4,882.87	4,800.45	23.84	27.82	117.57	187.24	809.49	505.62	454.14	51.47	9.823		
5,000.00	4,898.44	4,981.33	4,898.77	24.33	28.21	119.08	188.74	814.44	515.93	463.59	52.34	9.858		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,078.74	4,996.16	24.83	28.55	120.89	189.25	816.15	526.74	473.61	53.14	9.913		
5,200.00	5,093.82	5,176.39	5,093.82	25.32	28.88	122.81	189.25	816.15	538.22	484.32	53.90	9.986		
5,300.00	5,191.50	5,274.08	5,191.50	25.82	29.20	124.65	189.25	816.15	550.29	495.64	54.65	10.070		
5,400.00	5,289.19	5,371.77	5,289.19	26.31	29.52	126.41	189.25	816.15	562.91	507.52	55.39	10.162		
5,500.00	5,386.87	5,469.45	5,386.87	26.81	29.85	128.10	189.25	816.15	576.06	519.92	56.13	10.262		
5,600.00	5,484.56	5,567.14	5,484.56	27.30	30.18	129.72	189.25	816.15	589.68	532.81	56.87	10.369		
5,700.00	5,582.25	5,664.82	5,582.25	27.80	30.52	131.26	189.25	816.15	603.76	546.15	57.60	10.481		
5,800.00	5,679.93	5,762.51	5,679.93	28.29	30.85	132.73	189.25	816.15	618.25	559.91	58.34	10.598		
5,900.00	5,777.62	5,860.20	5,777.62	28.79	31.19	134.13	189.25	816.15	633.14	574.07	59.07	10.718		
6,000.00	5,875.30	5,957.88	5,875.30	29.28	31.53	135.47	189.25	816.15	648.39	588.58	59.80	10.842		
6,100.00	5,972.99	6,055.57	5,972.99	29.78	31.87	136.75	189.25	816.15	663.97	603.43	60.54	10.967		
6,200.00	6,070.67	6,153.25	6,070.67	30.27	32.22	137.98	189.25	816.15	679.88	618.60	61.28	11.095		
6,300.00	6,168.36	6,250.94	6,168.36	30.77	32.56	139.14	189.25	816.15	696.08	634.06	62.02	11.224		
6,400.00	6,266.05	6,348.63	6,266.05	31.26	32.91	140.26	189.25	816.15	712.55	649.79	62.76	11.353		
6,500.00	6,363.73	6,446.31	6,363.73	31.76	33.26	141.32	189.25	816.15	729.28	665.77	63.51	11.483		
6,534.50	6,397.43	6,480.01	6,397.43	31.93	33.38	141.68	189.25	816.15	735.10	671.33	63.77	11.528		
6,550.00	6,412.60	6,492.15	6,409.57	32.01	33.42	146.86	189.25	815.95	737.74	673.90	63.84	11.556		
6,600.00	6,461.82	6,533.08	6,450.43	32.24	33.54	169.68	189.15	813.60	746.26	682.18	64.08	11.646		
6,650.00	6,511.25	6,573.73	6,490.77	32.45	33.64	-160.14	188.95	808.68	754.73	690.46	64.28	11.742		
6,700.00	6,560.58	6,614.12	6,530.46	32.64	33.73	-134.02	188.65	801.24	763.10	698.65	64.45	11.841		
6,750.00	6,609.51	6,654.31	6,569.41	32.83	33.81	-117.28	188.24	791.37	771.29	706.69	64.60	11.940		
6,800.00	6,657.74	6,694.32	6,607.49	33.01	33.87	-106.97	187.75	779.12	779.25	714.52	64.73	12.039		
6,850.00	6,704.97	6,734.21	6,644.61	33.18	33.92	-100.23	187.15	764.55	786.92	722.06	64.85	12.134		
6,900.00	6,750.90	6,774.00	6,680.66	33.36	33.96	-95.53	186.47	747.73	794.25	729.27	64.98	12.224		
6,950.00	6,795.26	6,813.73	6,715.53	33.54	34.00	-92.08	185.69	728.73	801.20	736.09	65.11	12.306		
7,000.00	6,837.77	6,853.44	6,749.13	33.73	34.03	-89.46	184.83	707.60	807.72	742.46	65.26	12.378		
7,050.00	6,878.17	6,893.15	6,781.36	33.92	34.07	-87.43	183.89	684.42	813.78	748.35	65.43	12.437		
7,100.00	6,916.21	6,932.91	6,812.10	34.13	34.11	-85.83	182.86	659.25	819.34	753.70	65.64	12.482		
7,150.00	6,951.66	6,972.73	6,841.26	34.36	34.16	-84.57	181.76	632.16	824.38	758.48	65.90	12.509		
7,200.00	6,984.29	7,012.65	6,868.74	34.61	34.23	-83.59	180.58	603.23	828.87	762.65	66.22	12.517		
7,250.00	7,013.91	7,052.71	6,894.43	34.89	34.31	-82.85	179.33	572.53	832.78	766.17	66.61	12.502		
7,300.00	7,040.34	7,092.93	6,918.23	35.20	34.41	-82.31	178.01	540.14	836.12	769.03	67.08	12.464		
7,350.00	7,063.40	7,133.34	6,940.03	35.55	34.54	-81.96	176.62	506.15	838.85	771.21	67.65	12.400		
7,400.00	7,082.97	7,173.97	6,959.73	35.94	34.71	-81.78	175.17	470.66	840.99	772.68	68.30	12.312		
7,450.00	7,098.91	7,214.85	6,977.23	36.36	34.90	-81.76	173.67	433.75	842.51	773.46	69.06	12.200		
7,500.00	7,111.13	7,256.01	6,992.41	36.83	35.13	-81.88	172.11	395.53	843.44	773.53	69.91	12.065		
7,550.00	7,119.55	7,297.49	7,005.18	37.34	35.41	-82.15	170.51	356.11	843.76	772.91	70.85	11.909		
7,600.00	7,124.13	7,339.31	7,015.43	37.88	35.73	-82.55	168.86	315.60	843.49	771.61	71.89	11.734		
7,639.68	7,125.00	7,372.76	7,021.70	38.33	36.02	-82.97	167.52	282.77	842.87	770.11	72.76	11.584		
7,700.00	7,124.48	7,424.41	7,027.96	39.05	36.50	-83.42	165.43	231.56	841.99	767.84	74.16	11.354		
7,759.36	7,123.95	7,475.99	7,030.05	39.85	37.03	-83.59	163.33	180.08	841.72	766.14	75.58	11.137		
7,800.00	7,123.60	7,515.47	7,029.61	40.40	37.50	-83.59	161.73	140.64	841.77	765.17	76.60	10.989		
7,900.00	7,122.72	7,615.47	7,028.38	41.90	38.81	-83.57	157.65	40.73	841.91	762.48	79.43	10.600		
8,000.00	7,121.84	7,715.47	7,027.14	43.54	40.37	-83.54	153.58	-59.18	842.04	759.43	82.62	10.192		
8,100.00	7,120.97	7,815.47	7,025.91	45.30	42.12	-83.52	149.51	-159.09	842.18	756.06	86.13	9.779		
8,200.00	7,120.09	7,915.47	7,024.68	47.17	44.06	-83.50	145.44	-259.00	842.32	752.40	89.92	9.367		
8,300.00	7,119.21	8,015.47	7,023.44	49.13	46.16	-83.47	141.37	-358.91	842.46	748.50	93.96	8.966		
8,400.00	7,118.33	8,115.46	7,022.21	51.18	48.40	-83.45	137.30	-458.82	842.60	744.37	98.22	8.578		
8,500.00	7,117.46	8,215.46	7,020.98	53.30	50.75	-83.43	133.23	-558.72	842.74	740.06	102.67	8.208		
8,600.00	7,116.58	8,315.46	7,019.74	55.48	53.21	-83.40	129.15	-658.63	842.88	735.58	107.29	7.856		
8,700.00	7,115.70	8,415.46	7,018.51	57.72	55.76	-83.38	125.08	-758.54	843.01	730.96	112.05	7.523		
8,800.00	7,114.82	8,515.46	7,017.27	60.02	58.38	-83.36	121.01	-858.45	843.15	726.21	116.94	7.210		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	8,615.46	7,016.04	62.36	61.07	-83.33	116.94	-958.36	843.29	721.35	121.94	6.916		
9,000.00	7,113.07	8,715.46	7,014.81	64.74	63.83	-83.31	112.87	-1,058.27	843.43	716.39	127.04	6.639		
9,100.00	7,112.19	8,815.46	7,013.57	67.15	66.63	-83.29	108.80	-1,158.18	843.57	711.35	132.22	6.380		
9,200.00	7,111.31	8,915.46	7,012.34	69.60	69.48	-83.26	104.73	-1,258.09	843.71	706.23	137.48	6.137		
9,300.00	7,110.44	9,015.46	7,011.11	72.08	72.36	-83.24	100.65	-1,357.99	843.85	701.04	142.81	5.909		
9,400.00	7,109.56	9,115.46	7,009.87	74.58	75.29	-83.22	96.58	-1,457.90	843.99	695.79	148.20	5.695		
9,500.00	7,108.68	9,215.46	7,008.64	77.10	78.24	-83.19	92.51	-1,557.81	844.13	690.49	153.64	5.494		
9,600.00	7,107.81	9,315.46	7,007.41	79.65	81.22	-83.17	88.44	-1,657.72	844.27	685.14	159.13	5.305		
9,700.00	7,106.93	9,415.46	7,006.17	82.22	84.23	-83.15	84.37	-1,757.63	844.41	679.75	164.66	5.128		
9,800.00	7,106.05	9,515.46	7,004.94	84.80	87.26	-83.12	80.30	-1,857.54	844.55	674.31	170.24	4.961		
9,900.00	7,105.17	9,615.45	7,003.70	87.40	90.31	-83.10	76.23	-1,957.45	844.69	668.85	175.84	4.804		
10,000.00	7,104.30	9,715.45	7,002.47	90.02	93.38	-83.08	72.15	-2,057.36	844.83	663.35	181.48	4.655		
10,100.00	7,103.42	9,815.45	7,001.24	92.64	96.46	-83.05	68.08	-2,157.26	844.97	657.82	187.15	4.515		
10,200.00	7,102.54	9,915.45	7,000.00	95.28	99.56	-83.03	64.01	-2,257.17	845.11	652.27	192.85	4.382		
10,300.00	7,101.66	10,015.45	6,998.77	97.94	102.68	-83.01	59.94	-2,357.08	845.25	646.69	198.56	4.257		
10,400.00	7,100.79	10,115.45	6,997.54	100.60	105.80	-82.98	55.87	-2,456.99	845.40	641.09	204.30	4.138		
10,500.00	7,099.91	10,215.45	6,996.30	103.27	108.94	-82.96	51.80	-2,556.90	845.54	635.47	210.06	4.025		
10,600.00	7,099.03	10,315.45	6,995.07	105.95	112.09	-82.94	47.73	-2,656.81	845.68	629.84	215.84	3.918		
10,700.00	7,098.15	10,415.45	6,993.84	108.64	115.24	-82.91	43.65	-2,756.72	845.82	624.18	221.64	3.816		
10,800.00	7,097.28	10,515.45	6,992.60	111.33	118.41	-82.89	39.58	-2,856.63	845.96	618.51	227.45	3.719		
10,900.00	7,096.40	10,615.45	6,991.37	114.04	121.58	-82.87	35.51	-2,956.53	846.10	612.83	233.27	3.627		
11,000.00	7,095.52	10,715.45	6,990.13	116.74	124.76	-82.85	31.44	-3,056.44	846.25	607.13	239.11	3.539		
11,100.00	7,094.64	10,815.45	6,988.90	119.46	127.95	-82.82	27.37	-3,156.35	846.39	601.43	244.96	3.455		
11,200.00	7,093.77	10,915.45	6,987.67	122.18	131.15	-82.80	23.30	-3,256.26	846.53	595.71	250.82	3.375		
11,300.00	7,092.89	11,015.45	6,986.43	124.91	134.35	-82.78	19.23	-3,356.17	846.67	589.98	256.70	3.298		
11,400.00	7,092.01	11,115.44	6,985.20	127.64	137.55	-82.75	15.15	-3,456.08	846.82	584.24	262.58	3.225		
11,500.00	7,091.13	11,215.44	6,983.97	130.38	140.76	-82.73	11.08	-3,555.99	846.96	578.49	268.47	3.155		
11,600.00	7,090.26	11,315.44	6,982.73	133.12	143.98	-82.71	7.01	-3,655.90	847.10	572.73	274.37	3.087		
11,700.00	7,089.38	11,415.44	6,981.50	135.86	147.20	-82.68	2.94	-3,755.80	847.24	566.97	280.28	3.023		
11,800.00	7,088.50	11,515.44	6,980.27	138.61	150.42	-82.66	-1.13	-3,855.71	847.39	561.20	286.19	2.961		
11,900.00	7,087.63	11,615.44	6,979.03	141.36	153.65	-82.64	-5.20	-3,955.62	847.53	555.42	292.11	2.901		
12,000.00	7,086.75	11,715.44	6,977.80	144.12	156.88	-82.61	-9.27	-4,055.53	847.67	549.63	298.04	2.844		
12,100.00	7,085.87	11,815.44	6,976.56	146.88	160.12	-82.59	-13.35	-4,155.44	847.82	543.84	303.97	2.789		
12,200.00	7,084.99	11,915.44	6,975.33	149.64	163.36	-82.57	-17.42	-4,255.35	847.96	538.05	309.91	2.736		
12,300.00	7,084.12	12,015.44	6,974.10	152.40	166.60	-82.55	-21.49	-4,355.26	848.11	532.25	315.86	2.685		
12,400.00	7,083.24	12,115.44	6,972.86	155.17	169.84	-82.52	-25.56	-4,455.17	848.25	526.44	321.81	2.636		
12,500.00	7,082.36	12,215.44	6,971.63	157.94	173.09	-82.50	-29.63	-4,555.08	848.39	520.63	327.76	2.588		
12,600.00	7,081.48	12,315.44	6,970.40	160.71	176.34	-82.48	-33.70	-4,654.98	848.54	514.82	333.72	2.543		
12,700.00	7,080.61	12,415.44	6,969.16	163.49	179.59	-82.45	-37.77	-4,754.89	848.68	509.00	339.68	2.498		
12,800.00	7,079.73	12,515.44	6,967.93	166.27	182.85	-82.43	-41.85	-4,854.80	848.83	503.18	345.65	2.456		
12,900.00	7,078.85	12,615.43	6,966.69	169.04	186.11	-82.41	-45.92	-4,954.71	848.97	497.35	351.62	2.414		
13,000.00	7,077.97	12,715.43	6,965.46	171.83	189.36	-82.38	-49.99	-5,054.62	849.12	491.52	357.59	2.375		
13,100.00	7,077.10	12,815.43	6,964.23	174.61	192.63	-82.36	-54.06	-5,154.53	849.26	485.69	363.57	2.336		
13,200.00	7,076.22	12,915.43	6,962.99	177.39	195.89	-82.34	-58.13	-5,254.44	849.41	479.86	369.55	2.298		
13,300.00	7,075.34	13,015.43	6,961.76	180.18	199.15	-82.32	-62.20	-5,354.35	849.55	474.02	375.53	2.262		
13,400.00	7,074.46	13,115.43	6,960.53	182.97	202.42	-82.29	-66.28	-5,454.25	849.70	468.18	381.52	2.227		
13,500.00	7,073.59	13,215.43	6,959.29	185.76	205.69	-82.27	-70.35	-5,554.16	849.84	462.34	387.50	2.193		
13,600.00	7,072.71	13,315.43	6,958.06	188.55	208.96	-82.25	-74.42	-5,654.07	849.99	456.49	393.49	2.160		
13,700.00	7,071.83	13,415.43	6,956.83	191.34	212.23	-82.22	-78.49	-5,753.98	850.13	450.65	399.49	2.128		
13,800.00	7,070.95	13,515.43	6,955.59	194.14	215.50	-82.20	-82.56	-5,853.89	850.28	444.80	405.48	2.097		
13,900.00	7,070.08	13,615.43	6,954.36	196.93	218.77	-82.18	-86.63	-5,953.80	850.43	438.95	411.48	2.067		
14,000.00	7,069.20	13,715.43	6,953.12	199.73	222.05	-82.16	-90.70	-6,053.71	850.57	433.10	417.47	2.037		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,100.00	7,068.32	13,815.43	6,951.89	202.53	225.32	-82.13	-94.78	-6,153.62	850.72	427.24	423.47	2.009		
14,200.00	7,067.45	13,915.43	6,950.66	205.33	228.60	-82.11	-98.85	-6,253.52	850.86	421.39	429.48	1.981		
14,300.00	7,066.57	14,015.42	6,949.42	208.13	231.88	-82.09	-102.92	-6,353.43	851.01	415.53	435.48	1.954		
14,400.00	7,065.69	14,115.42	6,948.19	210.93	235.16	-82.06	-106.99	-6,453.34	851.16	409.68	441.48	1.928		
14,500.00	7,064.81	14,215.42	6,946.96	213.73	238.44	-82.04	-111.06	-6,553.25	851.30	403.82	447.49	1.902		
14,600.00	7,063.94	14,315.42	6,945.72	216.54	241.72	-82.02	-115.13	-6,653.16	851.45	397.96	453.50	1.878		
14,700.00	7,063.06	14,415.42	6,944.49	219.34	245.01	-82.00	-119.20	-6,753.07	851.60	392.10	459.50	1.853		
14,800.00	7,062.18	14,515.42	6,943.26	222.15	248.29	-81.97	-123.28	-6,852.98	851.75	386.23	465.51	1.830		
14,900.00	7,061.30	14,615.42	6,942.02	224.95	251.57	-81.95	-127.35	-6,952.89	851.89	380.37	471.52	1.807		
15,000.00	7,060.43	14,715.42	6,940.79	227.76	254.86	-81.93	-131.42	-7,052.79	852.04	374.51	477.53	1.784		
15,100.00	7,059.55	14,815.42	6,939.55	230.57	258.14	-81.90	-135.49	-7,152.70	852.19	368.64	483.55	1.762		
15,200.00	7,058.67	14,915.42	6,938.32	233.38	261.43	-81.88	-139.56	-7,252.61	852.34	362.78	489.56	1.741		
15,300.00	7,057.79	15,015.42	6,937.09	236.19	264.72	-81.86	-143.63	-7,352.52	852.48	356.91	495.57	1.720		
15,400.00	7,056.92	15,115.42	6,935.85	239.00	268.01	-81.84	-147.70	-7,452.43	852.63	351.05	501.59	1.700		
15,500.00	7,056.04	15,215.42	6,934.62	241.81	271.30	-81.81	-151.78	-7,552.34	852.78	345.18	507.60	1.680		
15,600.00	7,055.16	15,315.42	6,933.39	244.62	274.59	-81.79	-155.85	-7,652.25	852.93	339.31	513.62	1.661		
15,700.00	7,054.28	15,415.42	6,932.15	247.43	277.88	-81.77	-159.92	-7,752.16	853.08	333.44	519.63	1.642		
15,800.00	7,053.41	15,515.41	6,930.92	250.25	281.17	-81.75	-163.99	-7,852.07	853.23	327.58	525.65	1.623		
15,846.35	7,053.00	15,561.76	6,930.35	251.55	282.69	-81.73	-165.88	-7,898.37	853.29	324.86	528.44	1.615 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-174.44	-134.43	-13.08	135.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.44	-134.43	-13.08	135.06	128.49	6.57	20.559		
200.00	200.00	200.00	200.00	3.34	3.34	-174.44	-134.43	-13.08	135.06	128.39	6.67	20.237 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	141.48	-134.43	-13.08	136.42	129.53	6.89	19.802		
400.00	399.84	396.83	396.81	3.61	3.59	142.19	-135.60	-11.95	141.62	134.42	7.20	19.666		
500.00	499.45	493.21	493.07	3.81	3.78	142.59	-139.11	-8.56	151.70	144.10	7.60	19.956		
600.00	598.70	588.79	588.30	4.06	4.00	142.69	-144.89	-2.98	166.63	158.54	8.08	20.618		
700.00	697.47	683.22	682.08	4.35	4.25	142.55	-152.84	4.70	186.31	177.68	8.63	21.598		
800.00	795.62	776.22	774.03	4.66	4.52	142.22	-162.83	14.35	210.67	201.45	9.22	22.842		
817.50	812.73	792.43	790.01	4.73	4.58	142.14	-164.80	16.24	215.41	206.07	9.34	23.073		
900.00	893.32	871.77	868.19	5.01	4.84	142.10	-174.51	25.62	238.03	228.17	9.86	24.139		
1,000.00	991.01	967.93	962.95	5.38	5.18	142.05	-186.28	36.99	265.45	254.92	10.53	25.202		
1,100.00	1,088.69	1,064.10	1,057.71	5.77	5.54	142.01	-198.06	48.36	292.88	281.63	11.24	26.049		
1,200.00	1,186.38	1,160.27	1,152.48	6.18	5.92	141.98	-209.83	59.73	320.30	308.32	11.98	26.728		
1,300.00	1,284.06	1,256.43	1,247.24	6.60	6.31	141.95	-221.61	71.11	347.72	334.97	12.75	27.276		
1,400.00	1,381.75	1,352.60	1,342.00	7.03	6.71	141.93	-233.38	82.48	375.14	361.61	13.53	27.720		
1,500.00	1,479.44	1,448.77	1,436.77	7.47	7.12	141.91	-245.16	93.85	402.57	388.23	14.34	28.081		
1,600.00	1,577.12	1,544.93	1,531.53	7.91	7.53	141.90	-256.93	105.22	429.99	414.84	15.15	28.377		
1,700.00	1,674.81	1,641.10	1,626.29	8.37	7.96	141.88	-268.70	116.59	457.41	441.43	15.98	28.621		
1,800.00	1,772.49	1,737.27	1,721.06	8.82	8.38	141.87	-280.48	127.96	484.83	468.01	16.82	28.823		
1,900.00	1,870.18	1,833.43	1,815.82	9.28	8.81	141.86	-292.25	139.33	512.26	494.59	17.67	28.991		
2,000.00	1,967.87	1,929.60	1,910.58	9.75	9.25	141.85	-304.03	150.70	539.68	521.15	18.53	29.131		
2,100.00	2,065.55	2,025.76	2,005.35	10.22	9.69	141.84	-315.80	162.07	567.10	547.71	19.39	29.250		
2,200.00	2,163.24	2,121.93	2,100.11	10.69	10.13	141.83	-327.58	173.44	594.53	574.27	20.26	29.349		
2,300.00	2,260.92	2,218.10	2,194.87	11.16	10.57	141.82	-339.35	184.81	621.95	600.82	21.13	29.434		
2,400.00	2,358.61	2,314.26	2,289.64	11.64	11.02	141.81	-351.13	196.18	649.37	627.36	22.01	29.505		
2,500.00	2,456.30	2,410.43	2,384.40	12.12	11.47	141.81	-362.90	207.55	676.79	653.90	22.89	29.566		
2,600.00	2,553.98	2,506.60	2,479.16	12.59	11.92	141.80	-374.68	218.92	704.22	680.44	23.78	29.618		
2,700.00	2,651.67	2,602.76	2,573.93	13.08	12.37	141.79	-386.45	230.29	731.64	706.97	24.67	29.663		
2,800.00	2,749.35	2,701.07	2,668.69	13.56	12.83	141.79	-398.22	241.66	759.06	733.50	25.57	29.689		
2,900.00	2,847.04	2,795.10	2,763.45	14.04	13.28	141.78	-410.00	253.03	786.48	760.03	26.45	29.733		
3,000.00	2,944.72	2,908.74	2,858.22	14.52	13.82	141.78	-421.77	264.40	813.91	786.48	27.43	29.674		
3,100.00	3,042.41	2,987.43	2,952.98	15.01	14.19	141.78	-433.55	275.77	841.33	813.08	28.25	29.786		
3,200.00	3,140.10	3,083.60	3,047.74	15.50	14.65	141.77	-445.32	287.14	868.75	839.61	29.15	29.806		
3,300.00	3,237.78	3,179.76	3,142.50	15.98	15.11	141.77	-457.10	298.51	896.18	866.13	30.05	29.824		
3,400.00	3,335.47	3,275.93	3,237.27	16.47	15.57	141.76	-468.87	309.89	923.60	892.65	30.95	29.839		
3,500.00	3,433.15	3,372.10	3,332.03	16.96	16.03	141.76	-480.65	321.26	951.02	919.16	31.86	29.852		
3,600.00	3,530.84	3,468.26	3,426.79	17.45	16.49	141.76	-492.42	332.63	978.44	945.68	32.76	29.863		
3,700.00	3,628.53	3,564.43	3,521.56	17.94	16.95	141.75	-504.19	344.00	1,005.87	972.20	33.67	29.873		
3,800.00	3,726.21	3,660.59	3,616.32	18.43	17.41	141.75	-515.97	355.37	1,033.29	998.71	34.58	29.881		
3,900.00	3,823.90	3,756.76	3,711.08	18.92	17.87	141.75	-527.74	366.74	1,060.71	1,025.22	35.49	29.887		
4,000.00	3,921.58	3,852.93	3,805.85	19.41	18.33	141.75	-539.52	378.11	1,088.14	1,051.73	36.40	29.893		
4,100.00	4,019.27	3,949.09	3,900.61	19.90	18.80	141.74	-551.29	389.48	1,115.56	1,078.25	37.31	29.897		
4,200.00	4,116.96	4,045.26	3,995.37	20.39	19.26	141.74	-563.07	400.85	1,142.98	1,104.76	38.23	29.901		
4,300.00	4,214.64	4,141.43	4,090.14	20.88	19.72	141.74	-574.84	412.22	1,170.40	1,131.26	39.14	29.904		
4,400.00	4,312.33	4,237.59	4,184.90	21.37	20.19	141.74	-586.62	423.59	1,197.83	1,157.77	40.05	29.906		
4,500.00	4,410.01	4,333.76	4,279.66	21.87	20.65	141.74	-598.39	434.96	1,225.25	1,184.28	40.97	29.908		
4,600.00	4,507.70	4,429.93	4,374.43	22.36	21.12	141.73	-610.16	446.33	1,252.67	1,210.79	41.88	29.909		
4,700.00	4,605.39	4,526.09	4,469.19	22.85	21.58	141.73	-621.94	457.70	1,280.10	1,237.30	42.80	29.909		
4,800.00	4,703.07	4,622.26	4,563.95	23.35	22.05	141.73	-633.71	469.07	1,307.52	1,263.80	43.72	29.910		
4,900.00	4,800.76	4,718.43	4,658.72	23.84	22.51	141.73	-645.49	480.44	1,334.94	1,290.31	44.63	29.910		
5,000.00	4,898.44	4,814.59	4,753.48	24.33	22.98	141.73	-657.26	491.81	1,362.36	1,316.81	45.55	29.909		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,910.76	4,848.24	24.83	23.44	141.73	-669.04	503.18	1,389.79	1,343.32	46.47	29.908		
5,200.00	5,093.82	5,006.93	4,943.01	25.32	23.91	141.72	-680.81	514.55	1,417.21	1,369.82	47.39	29.907		
5,300.00	5,191.50	5,103.09	5,037.77	25.82	24.37	141.72	-692.59	525.92	1,444.63	1,396.33	48.31	29.906		
5,400.00	5,289.19	5,200.74	5,132.53	26.31	24.85	141.72	-704.36	537.29	1,472.05	1,422.82	49.23	29.900		
5,500.00	5,386.87	5,304.58	5,227.30	26.81	25.35	141.72	-716.14	548.66	1,499.48	1,449.29	50.19	29.877		
5,600.00	5,484.56	5,408.41	5,322.06	27.30	25.86	141.72	-727.91	560.04	1,526.90	1,475.76	51.14	29.855		
5,700.00	5,582.25	5,487.76	5,416.82	27.80	26.24	141.72	-739.68	571.41	1,554.32	1,502.34	51.99	29.899		
5,800.00	5,679.93	5,583.92	5,511.58	28.29	26.71	141.72	-751.46	582.78	1,581.75	1,528.84	52.91	29.897		
5,900.00	5,777.62	5,680.09	5,606.35	28.79	27.18	141.72	-763.23	594.15	1,609.17	1,555.34	53.83	29.895		
6,000.00	5,875.30	5,776.26	5,701.11	29.28	27.64	141.71	-775.01	605.52	1,636.59	1,581.84	54.75	29.893		
6,100.00	5,972.99	5,872.42	5,795.87	29.78	28.11	141.71	-786.78	616.89	1,664.01	1,608.34	55.67	29.890		
6,200.00	6,070.67	5,968.59	5,890.64	30.27	28.58	141.71	-798.56	628.26	1,691.44	1,634.84	56.59	29.888		
6,300.00	6,168.36	6,064.76	5,985.40	30.77	29.05	141.71	-810.33	639.63	1,718.86	1,661.35	57.51	29.885		
6,400.00	6,266.05	6,160.92	6,080.16	31.26	29.51	141.71	-822.11	651.00	1,746.28	1,687.85	58.44	29.883		
6,500.00	6,363.73	6,257.09	6,174.93	31.76	29.98	141.71	-833.88	662.37	1,773.71	1,714.35	59.36	29.880		
6,534.50	6,397.43	6,309.74	6,207.62	31.93	30.24	141.71	-837.94	666.29	1,783.17	1,723.39	59.77	29.833		
6,550.00	6,412.60	6,305.18	6,222.31	32.01	30.22	146.90	-839.77	668.06	1,787.39	1,727.57	59.82	29.879		
6,600.00	6,461.82	6,353.27	6,269.70	32.24	30.45	169.67	-845.66	673.74	1,800.66	1,740.39	60.27	29.877		
6,650.00	6,511.25	6,401.11	6,316.85	32.45	30.68	-160.31	-851.51	679.40	1,813.34	1,752.64	60.70	29.873		
6,700.00	6,560.58	6,448.42	6,363.47	32.64	30.91	-134.47	-857.31	684.99	1,825.39	1,764.27	61.12	29.866		
6,750.00	6,609.51	6,494.90	6,409.27	32.83	31.14	-118.09	-863.00	690.49	1,836.80	1,775.27	61.53	29.854		
6,800.00	6,657.74	6,540.26	6,453.96	33.01	31.36	-108.22	-868.55	695.85	1,847.59	1,785.66	61.93	29.835		
6,850.00	6,704.97	6,584.22	6,497.28	33.18	31.57	-101.98	-873.93	701.05	1,857.80	1,795.48	62.32	29.811		
6,900.00	6,750.90	6,616.33	6,529.01	33.36	31.72	-97.61	-877.90	703.95	1,867.59	1,804.99	62.60	29.833		
6,950.00	6,795.26	6,650.00	6,562.39	33.54	31.88	-94.48	-882.10	705.26	1,877.08	1,814.17	62.91	29.838		
7,000.00	6,837.77	6,682.96	6,595.08	33.73	32.01	-92.14	-886.26	704.82	1,886.24	1,823.03	63.22	29.838		
7,050.00	6,878.17	6,717.23	6,628.99	33.92	32.15	-90.37	-890.61	702.56	1,895.05	1,831.50	63.55	29.819		
7,100.00	6,916.21	6,752.27	6,663.49	34.13	32.28	-89.01	-895.08	698.34	1,903.48	1,839.56	63.92	29.780		
7,150.00	6,951.66	6,788.23	6,698.59	34.36	32.40	-87.98	-899.68	692.04	1,911.53	1,847.20	64.32	29.717		
7,200.00	6,984.29	6,825.26	6,734.29	34.61	32.52	-87.21	-904.40	683.47	1,919.16	1,854.39	64.77	29.629		
7,250.00	7,013.91	6,863.53	6,770.61	34.89	32.65	-86.66	-909.25	672.42	1,926.38	1,861.11	65.27	29.513		
7,300.00	7,040.34	6,903.29	6,807.55	35.20	32.78	-86.30	-914.24	658.64	1,933.15	1,867.33	65.83	29.368		
7,350.00	7,063.40	6,944.78	6,845.12	35.55	32.90	-86.13	-919.38	641.81	1,939.47	1,873.04	66.44	29.193		
7,400.00	7,082.97	6,988.35	6,883.30	35.94	33.04	-86.12	-924.67	621.52	1,945.32	1,878.22	67.11	28.989		
7,450.00	7,098.91	7,034.39	6,922.04	36.36	33.18	-86.28	-930.13	597.26	1,950.68	1,882.84	67.83	28.757		
7,500.00	7,111.13	7,083.40	6,961.25	36.83	33.33	-86.60	-935.74	568.41	1,955.52	1,886.90	68.62	28.498		
7,550.00	7,119.55	7,136.01	7,000.73	37.34	33.50	-87.09	-941.51	534.16	1,959.81	1,890.35	69.46	28.214		
7,600.00	7,124.13	7,192.96	7,040.15	37.88	33.70	-87.75	-947.41	493.50	1,963.51	1,893.14	70.36	27.905		
7,639.68	7,125.00	7,241.87	7,071.00	38.33	33.88	-88.39	-952.15	455.86	1,965.98	1,894.85	71.13	27.639		
7,700.00	7,124.48	7,326.49	7,117.28	39.05	34.26	-89.76	-959.58	385.48	1,969.31	1,896.87	72.44	27.186		
7,800.00	7,123.60	7,499.71	7,181.12	40.40	35.38	-91.66	-971.21	225.45	1,973.20	1,897.97	75.23	26.229		
7,900.00	7,122.72	7,683.76	7,199.71	41.90	37.17	-92.25	-977.60	43.07	1,972.97	1,894.22	78.75	25.054		
8,000.00	7,121.84	7,783.74	7,197.89	43.54	38.41	-92.22	-979.57	-56.87	1,970.94	1,889.23	81.71	24.121		
8,100.00	7,120.97	7,883.72	7,196.08	45.30	39.83	-92.20	-981.55	-156.81	1,968.91	1,883.97	84.94	23.180		
8,200.00	7,120.09	7,983.69	7,194.26	47.17	41.40	-92.17	-983.52	-256.75	1,966.88	1,878.46	88.42	22.245		
8,300.00	7,119.21	8,083.67	7,192.44	49.13	43.11	-92.15	-985.50	-356.69	1,964.85	1,872.73	92.12	21.329		
8,400.00	7,118.33	8,183.64	7,190.63	51.18	44.95	-92.12	-987.48	-456.63	1,962.82	1,866.80	96.02	20.442		
8,500.00	7,117.46	8,283.62	7,188.81	53.30	46.88	-92.10	-989.45	-556.57	1,960.79	1,860.70	100.09	19.591		
8,600.00	7,116.58	8,383.59	7,186.99	55.48	48.91	-92.07	-991.43	-656.51	1,958.76	1,854.45	104.31	18.778		
8,700.00	7,115.70	8,483.57	7,185.18	57.72	51.02	-92.05	-993.40	-756.45	1,956.73	1,848.06	108.67	18.007		
8,800.00	7,114.82	8,583.54	7,183.36	60.02	53.20	-92.02	-995.38	-856.39	1,954.70	1,841.55	113.14	17.276		
8,900.00	7,113.95	8,683.52	7,181.54	62.36	55.43	-91.99	-997.35	-956.33	1,952.67	1,834.94	117.73	16.587		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,113.07	8,783.50	7,179.73	64.74	57.73	-91.97	-999.33	-1,056.27	1,950.64	1,828.24	122.40	15.937		
9,100.00	7,112.19	8,883.47	7,177.91	67.15	60.07	-91.94	-1,001.31	-1,156.21	1,948.61	1,821.45	127.16	15.324		
9,200.00	7,111.31	8,983.45	7,176.09	69.60	62.45	-91.92	-1,003.28	-1,256.15	1,946.58	1,814.59	131.99	14.748		
9,300.00	7,110.44	9,083.42	7,174.28	72.08	64.87	-91.89	-1,005.26	-1,356.09	1,944.55	1,807.66	136.89	14.205		
9,400.00	7,109.56	9,183.40	7,172.46	74.58	67.33	-91.87	-1,007.23	-1,456.03	1,942.53	1,800.68	141.85	13.694		
9,500.00	7,108.68	9,283.37	7,170.64	77.10	69.81	-91.84	-1,009.21	-1,555.97	1,940.50	1,793.64	146.86	13.213		
9,600.00	7,107.81	9,383.35	7,168.83	79.65	72.32	-91.81	-1,011.18	-1,655.90	1,938.47	1,786.56	151.92	12.760		
9,700.00	7,106.93	9,483.33	7,167.01	82.22	74.86	-91.79	-1,013.16	-1,755.84	1,936.45	1,779.43	157.02	12.332		
9,800.00	7,106.05	9,583.30	7,165.19	84.80	77.42	-91.76	-1,015.14	-1,855.78	1,934.42	1,772.26	162.16	11.929		
9,900.00	7,105.17	9,683.28	7,163.38	87.40	79.99	-91.74	-1,017.11	-1,955.72	1,932.40	1,765.06	167.34	11.548		
10,000.00	7,104.30	9,783.25	7,161.56	90.02	82.59	-91.71	-1,019.09	-2,055.66	1,930.37	1,757.82	172.55	11.187		
10,100.00	7,103.42	9,883.23	7,159.74	92.64	85.20	-91.68	-1,021.06	-2,155.60	1,928.35	1,750.56	177.79	10.846		
10,200.00	7,102.54	9,983.20	7,157.93	95.28	87.83	-91.66	-1,023.04	-2,255.54	1,926.32	1,743.27	183.05	10.523		
10,300.00	7,101.66	10,083.18	7,156.11	97.94	90.46	-91.63	-1,025.01	-2,355.48	1,924.30	1,735.96	188.34	10.217		
10,400.00	7,100.79	10,183.16	7,154.29	100.60	93.12	-91.61	-1,026.99	-2,455.42	1,922.28	1,728.62	193.66	9.926		
10,500.00	7,099.91	10,283.13	7,152.48	103.27	95.78	-91.58	-1,028.97	-2,555.36	1,920.26	1,721.26	198.99	9.650		
10,600.00	7,099.03	10,383.11	7,150.66	105.95	98.45	-91.55	-1,030.94	-2,655.30	1,918.23	1,713.89	204.34	9.387		
10,700.00	7,098.15	10,483.08	7,148.84	108.64	101.13	-91.53	-1,032.92	-2,755.24	1,916.21	1,706.50	209.72	9.137		
10,800.00	7,097.28	10,583.06	7,147.03	111.33	103.83	-91.50	-1,034.89	-2,855.18	1,914.19	1,699.09	215.10	8.899		
10,900.00	7,096.40	10,683.03	7,145.21	114.04	106.52	-91.47	-1,036.87	-2,955.12	1,912.17	1,691.66	220.51	8.672		
11,000.00	7,095.52	10,783.01	7,143.39	116.74	109.23	-91.45	-1,038.84	-3,055.06	1,910.15	1,684.23	225.92	8.455		
11,100.00	7,094.64	10,882.98	7,141.58	119.46	111.95	-91.42	-1,040.82	-3,155.00	1,908.13	1,676.78	231.35	8.248		
11,200.00	7,093.77	10,982.96	7,139.76	122.18	114.67	-91.39	-1,042.80	-3,254.94	1,906.11	1,669.31	236.79	8.050		
11,300.00	7,092.89	11,082.94	7,137.94	124.91	117.39	-91.37	-1,044.77	-3,354.88	1,904.09	1,661.84	242.25	7.860		
11,400.00	7,092.01	11,182.91	7,136.13	127.64	120.12	-91.34	-1,046.75	-3,454.82	1,902.07	1,654.36	247.71	7.679		
11,500.00	7,091.13	11,282.89	7,134.31	130.38	122.86	-91.31	-1,048.72	-3,554.76	1,900.05	1,646.87	253.18	7.505		
11,600.00	7,090.26	11,382.86	7,132.49	133.12	125.60	-91.29	-1,050.70	-3,654.70	1,898.03	1,639.36	258.67	7.338		
11,700.00	7,089.38	11,482.84	7,130.68	135.86	128.35	-91.26	-1,052.67	-3,754.64	1,896.01	1,631.85	264.16	7.178		
11,800.00	7,088.50	11,582.81	7,128.86	138.61	131.10	-91.23	-1,054.65	-3,854.58	1,894.00	1,624.34	269.66	7.024		
11,900.00	7,087.63	11,682.79	7,127.04	141.36	133.86	-91.20	-1,056.62	-3,954.52	1,891.98	1,616.81	275.17	6.876		
12,000.00	7,086.75	11,782.77	7,125.23	144.12	136.61	-91.18	-1,058.60	-4,054.46	1,889.96	1,609.28	280.68	6.733		
12,100.00	7,085.87	11,882.74	7,123.41	146.88	139.38	-91.15	-1,060.58	-4,154.39	1,887.95	1,601.74	286.20	6.596		
12,200.00	7,084.99	11,982.72	7,121.59	149.64	142.14	-91.12	-1,062.55	-4,254.33	1,885.93	1,594.20	291.73	6.465		
12,300.00	7,084.12	12,082.69	7,119.78	152.40	144.91	-91.09	-1,064.53	-4,354.27	1,883.92	1,586.65	297.27	6.337		
12,400.00	7,083.24	12,182.67	7,117.96	155.17	147.68	-91.07	-1,066.50	-4,454.21	1,881.90	1,579.09	302.81	6.215		
12,500.00	7,082.36	12,282.64	7,116.14	157.94	150.46	-91.04	-1,068.48	-4,554.15	1,879.89	1,571.53	308.35	6.097		
12,600.00	7,081.48	12,382.62	7,114.33	160.71	153.24	-91.01	-1,070.45	-4,654.09	1,877.87	1,563.97	313.90	5.982		
12,700.00	7,080.61	12,482.59	7,112.51	163.49	156.02	-90.98	-1,072.43	-4,754.03	1,875.86	1,556.40	319.46	5.872		
12,800.00	7,079.73	12,582.57	7,110.69	166.27	158.80	-90.96	-1,074.41	-4,853.97	1,873.85	1,548.83	325.02	5.765		
12,900.00	7,078.85	12,682.55	7,108.87	169.04	161.58	-90.93	-1,076.38	-4,953.91	1,871.83	1,541.25	330.58	5.662		
13,000.00	7,077.97	12,782.52	7,107.06	171.83	164.37	-90.90	-1,078.36	-5,053.85	1,869.82	1,533.67	336.15	5.562		
13,100.00	7,077.10	12,882.50	7,105.24	174.61	167.16	-90.87	-1,080.33	-5,153.79	1,867.81	1,526.09	341.73	5.466		
13,200.00	7,076.22	12,982.47	7,103.42	177.39	169.95	-90.85	-1,082.31	-5,253.73	1,865.80	1,518.50	347.30	5.372		
13,300.00	7,075.34	13,082.45	7,101.61	180.18	172.74	-90.82	-1,084.28	-5,353.67	1,863.79	1,510.91	352.88	5.282		
13,400.00	7,074.46	13,182.42	7,099.79	182.97	175.54	-90.79	-1,086.26	-5,453.61	1,861.78	1,503.31	358.46	5.194		
13,500.00	7,073.59	13,282.40	7,097.97	185.76	178.33	-90.76	-1,088.24	-5,553.55	1,859.77	1,495.72	364.05	5.109		
13,600.00	7,072.71	13,382.38	7,096.16	188.55	181.13	-90.73	-1,090.21	-5,653.49	1,857.76	1,488.12	369.64	5.026		
13,700.00	7,071.83	13,482.35	7,094.34	191.34	183.93	-90.71	-1,092.19	-5,753.43	1,855.75	1,480.52	375.23	4.946		
13,800.00	7,070.95	13,582.33	7,092.52	194.14	186.73	-90.68	-1,094.16	-5,853.37	1,853.74	1,472.91	380.83	4.868		
13,900.00	7,070.08	13,682.30	7,090.71	196.93	189.53	-90.65	-1,096.14	-5,953.31	1,851.73	1,465.31	386.43	4.792		
14,000.00	7,069.20	13,782.28	7,088.89	199.73	192.33	-90.62	-1,098.11	-6,053.25	1,849.73	1,457.70	392.03	4.718		
14,100.00	7,068.32	13,882.25	7,087.07	202.53	195.14	-90.59	-1,100.09	-6,153.19	1,847.72	1,450.09	397.63	4.647		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,067.45	13,982.23	7,085.26	205.33	197.94	-90.56	-1,102.07	-6,253.13	1,845.71	1,442.48	403.24	4.577		
14,300.00	7,066.57	14,082.20	7,083.44	208.13	200.75	-90.53	-1,104.04	-6,353.07	1,843.71	1,434.86	408.84	4.510		
14,400.00	7,065.69	14,182.18	7,081.62	210.93	203.56	-90.51	-1,106.02	-6,453.01	1,841.70	1,427.25	414.45	4.444		
14,500.00	7,064.81	14,282.16	7,079.81	213.73	206.37	-90.48	-1,107.99	-6,552.95	1,839.69	1,419.63	420.07	4.380		
14,600.00	7,063.94	14,382.13	7,077.99	216.54	209.18	-90.45	-1,109.97	-6,652.88	1,837.69	1,412.01	425.68	4.317		
14,700.00	7,063.06	14,482.11	7,076.17	219.34	211.99	-90.42	-1,111.94	-6,752.82	1,835.68	1,404.39	431.29	4.256		
14,800.00	7,062.18	14,582.08	7,074.36	222.15	214.80	-90.39	-1,113.92	-6,852.76	1,833.68	1,396.77	436.91	4.197		
14,900.00	7,061.30	14,682.06	7,072.54	224.95	217.61	-90.36	-1,115.90	-6,952.70	1,831.68	1,389.15	442.53	4.139		
15,000.00	7,060.43	14,782.03	7,070.72	227.76	220.43	-90.33	-1,117.87	-7,052.64	1,829.67	1,381.52	448.15	4.083		
15,100.00	7,059.55	14,882.01	7,068.91	230.57	223.24	-90.30	-1,119.85	-7,152.58	1,827.67	1,373.90	453.77	4.028		
15,200.00	7,058.67	14,981.99	7,067.09	233.38	226.06	-90.27	-1,121.82	-7,252.52	1,825.67	1,366.27	459.40	3.974		
15,300.00	7,057.79	15,081.96	7,065.27	236.19	228.87	-90.25	-1,123.80	-7,352.46	1,823.67	1,358.64	465.02	3.922		
15,400.00	7,056.92	15,181.94	7,063.46	239.00	231.69	-90.22	-1,125.77	-7,452.40	1,821.67	1,351.02	470.65	3.871		
15,500.00	7,056.04	15,281.91	7,061.64	241.81	234.51	-90.19	-1,127.75	-7,552.34	1,819.67	1,343.39	476.28	3.821		
15,600.00	7,055.16	15,381.89	7,059.82	244.62	237.33	-90.16	-1,129.73	-7,652.28	1,817.67	1,335.76	481.91	3.772		
15,700.00	7,054.28	15,481.86	7,058.01	247.43	240.15	-90.13	-1,131.70	-7,752.22	1,815.67	1,328.13	487.54	3.724		
15,800.00	7,053.41	15,581.84	7,056.19	250.25	242.97	-90.10	-1,133.68	-7,852.16	1,813.67	1,320.50	493.17	3.678		
15,846.35	7,053.00	15,628.18	7,055.35	251.55	244.27	-90.08	-1,134.59	-7,898.48	1,812.74	1,316.96	495.78	3.656 SF		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-119.49	-11.69	120.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-119.49	-11.69	120.06	113.49	6.57	18.276		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-119.49	-11.69	120.06	113.39	6.67	17.989 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	141.57	-119.49	-11.69	121.42	114.53	6.89	17.624		
400.00	399.84	397.50	397.48	3.61	3.59	142.32	-120.56	-10.42	126.49	119.29	7.20	17.564		
500.00	499.45	494.61	494.46	3.81	3.78	142.64	-123.75	-6.64	136.18	128.57	7.60	17.913		
600.00	598.70	590.98	590.48	4.06	4.00	142.57	-129.00	-0.40	150.43	142.35	8.08	18.612		
700.00	697.47	686.33	685.16	4.35	4.26	142.21	-136.24	8.20	169.21	160.58	8.63	19.608		
800.00	795.62	780.37	778.12	4.66	4.54	141.64	-145.37	19.04	192.42	183.19	9.23	20.847		
817.50	812.73	802.89	794.63	4.73	4.61	141.53	-147.19	21.20	196.92	187.56	9.36	21.032		
900.00	893.32	876.78	873.15	5.01	4.86	141.35	-155.83	31.47	218.35	208.47	9.88	22.110		
1,000.00	991.01	973.35	968.34	5.38	5.21	141.17	-166.31	43.91	244.31	233.76	10.56	23.145		
1,100.00	1,088.69	1,069.91	1,063.53	5.77	5.57	141.03	-176.79	56.36	270.28	259.01	11.27	23.975		
1,200.00	1,186.38	1,166.48	1,158.71	6.18	5.95	140.92	-187.27	68.80	296.25	284.23	12.02	24.645		
1,300.00	1,284.06	1,263.05	1,253.90	6.60	6.34	140.82	-197.75	81.25	322.23	309.43	12.79	25.189		
1,400.00	1,381.75	1,359.62	1,349.09	7.03	6.74	140.74	-208.23	93.69	348.20	334.61	13.58	25.632		
1,500.00	1,479.44	1,456.18	1,444.27	7.47	7.15	140.67	-218.71	106.14	374.17	359.78	14.39	25.996		
1,600.00	1,577.12	1,552.75	1,539.46	7.91	7.57	140.60	-229.19	118.59	400.15	384.93	15.22	26.296		
1,700.00	1,674.81	1,649.32	1,634.65	8.37	7.99	140.55	-239.67	131.03	426.12	410.07	16.05	26.545		
1,800.00	1,772.49	1,745.88	1,729.83	8.82	8.42	140.50	-250.15	143.48	452.10	435.20	16.90	26.754		
1,900.00	1,870.18	1,842.45	1,825.02	9.28	8.85	140.46	-260.63	155.92	478.07	460.32	17.75	26.929		
2,000.00	1,967.87	1,939.02	1,920.21	9.75	9.29	140.42	-271.11	168.37	504.04	485.43	18.62	27.077		
2,100.00	2,065.55	2,035.59	2,015.39	10.22	9.73	140.38	-281.60	180.81	530.02	510.54	19.48	27.203		
2,200.00	2,163.24	2,132.15	2,110.58	10.69	10.17	140.35	-292.08	193.26	556.00	535.64	20.36	27.310		
2,300.00	2,260.92	2,228.72	2,205.77	11.16	10.62	140.32	-302.56	205.70	581.97	560.73	21.24	27.402		
2,400.00	2,358.61	2,325.29	2,300.95	11.64	11.07	140.30	-313.04	218.15	607.95	585.82	22.12	27.482		
2,500.00	2,456.30	2,421.85	2,396.14	12.12	11.51	140.27	-323.52	230.60	633.92	610.91	23.01	27.550		
2,600.00	2,553.98	2,518.42	2,491.33	12.59	11.97	140.25	-334.00	243.04	659.90	636.00	23.90	27.609		
2,700.00	2,651.67	2,614.99	2,586.51	13.08	12.42	140.23	-344.48	255.49	685.87	661.08	24.80	27.661		
2,800.00	2,749.35	2,711.55	2,681.70	13.56	12.87	140.21	-354.96	267.93	711.85	686.16	25.69	27.706		
2,900.00	2,847.04	2,808.12	2,776.88	14.04	13.33	140.19	-365.44	280.38	737.83	711.23	26.59	27.745		
3,000.00	2,944.72	2,904.69	2,872.07	14.52	13.79	140.18	-375.92	292.82	763.80	736.31	27.50	27.780		
3,100.00	3,042.41	3,001.26	2,967.26	15.01	14.24	140.16	-386.40	305.27	789.78	761.38	28.40	27.810		
3,200.00	3,140.10	3,102.18	3,062.44	15.50	14.72	140.15	-396.88	317.72	815.75	786.43	29.33	27.817		
3,300.00	3,237.78	3,205.61	3,157.63	15.98	15.21	140.13	-407.36	330.16	841.73	811.46	30.26	27.812		
3,400.00	3,335.47	3,309.04	3,252.82	16.47	15.71	140.12	-417.84	342.61	867.71	836.50	31.21	27.806		
3,500.00	3,433.15	3,387.52	3,348.00	16.96	16.08	140.11	-428.32	355.05	893.68	861.65	32.03	27.899		
3,600.00	3,530.84	3,484.09	3,443.19	17.45	16.54	140.10	-438.80	367.50	919.66	886.71	32.94	27.915		
3,700.00	3,628.53	3,580.66	3,538.38	17.94	17.01	140.09	-449.28	379.94	945.63	911.78	33.86	27.929		
3,800.00	3,726.21	3,677.23	3,633.56	18.43	17.47	140.08	-459.76	392.39	971.61	936.84	34.77	27.942		
3,900.00	3,823.90	3,773.79	3,728.75	18.92	17.93	140.07	-470.24	404.84	997.59	961.90	35.69	27.953		
4,000.00	3,921.58	3,870.36	3,823.94	19.41	18.39	140.06	-480.72	417.28	1,023.56	986.96	36.60	27.963		
4,100.00	4,019.27	3,966.93	3,919.12	19.90	18.86	140.05	-491.20	429.73	1,049.54	1,012.02	37.52	27.972		
4,200.00	4,116.96	4,063.49	4,014.31	20.39	19.32	140.04	-501.68	442.17	1,075.52	1,037.08	38.44	27.980		
4,300.00	4,214.64	4,160.06	4,109.50	20.88	19.79	140.03	-512.16	454.62	1,101.49	1,062.14	39.36	27.987		
4,400.00	4,312.33	4,256.63	4,204.68	21.37	20.25	140.03	-522.64	467.06	1,127.47	1,087.19	40.28	27.993		
4,500.00	4,410.01	4,353.20	4,299.87	21.87	20.72	140.02	-533.12	479.51	1,153.45	1,112.25	41.20	27.998		
4,600.00	4,507.70	4,449.76	4,395.06	22.36	21.18	140.01	-543.60	491.96	1,179.42	1,137.30	42.12	28.003		
4,700.00	4,605.39	4,546.33	4,490.24	22.85	21.65	140.01	-554.08	504.40	1,205.40	1,162.36	43.04	28.007		
4,800.00	4,703.07	4,642.90	4,585.43	23.35	22.11	140.00	-564.56	516.85	1,231.38	1,187.41	43.96	28.011		
4,900.00	4,800.76	4,739.46	4,680.62	23.84	22.58	139.99	-575.04	529.29	1,257.35	1,212.47	44.88	28.014		
5,000.00	4,898.44	4,836.03	4,775.80	24.33	23.05	139.99	-585.52	541.74	1,283.33	1,237.52	45.81	28.016		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,932.60	4,870.99	24.83	23.51	139.98	-596.00	554.18	1,309.31	1,262.58	46.73	28.019		
5,200.00	5,093.82	5,029.16	4,966.17	25.32	23.98	139.98	-606.48	566.63	1,335.28	1,287.63	47.65	28.021		
5,300.00	5,191.50	5,125.73	5,061.36	25.82	24.45	139.97	-616.96	579.08	1,361.26	1,312.68	48.58	28.022		
5,400.00	5,289.19	5,222.30	5,156.55	26.31	24.92	139.97	-627.44	591.52	1,387.24	1,337.73	49.50	28.024		
5,500.00	5,386.87	5,318.87	5,251.73	26.81	25.38	139.96	-637.92	603.97	1,413.21	1,362.78	50.43	28.025		
5,600.00	5,484.56	5,415.43	5,346.92	27.30	25.85	139.96	-648.40	616.41	1,439.19	1,387.84	51.35	28.026		
5,700.00	5,582.25	5,512.00	5,442.11	27.80	26.32	139.95	-658.88	628.86	1,465.17	1,412.89	52.28	28.026		
5,800.00	5,679.93	5,608.57	5,537.29	28.29	26.79	139.95	-669.36	641.30	1,491.14	1,437.94	53.20	28.027		
5,900.00	5,777.62	5,705.13	5,632.48	28.79	27.26	139.94	-679.84	653.75	1,517.12	1,462.99	54.13	28.027		
6,000.00	5,875.30	5,801.70	5,727.67	29.28	27.72	139.94	-690.32	666.19	1,543.10	1,488.04	55.06	28.027		
6,100.00	5,972.99	5,901.73	5,822.85	29.78	28.21	139.94	-700.80	678.64	1,569.07	1,513.07	56.00	28.019		
6,200.00	6,070.67	6,005.16	5,918.04	30.27	28.71	139.93	-711.28	691.09	1,595.05	1,538.09	56.96	28.003		
6,300.00	6,168.36	6,108.60	6,013.23	30.77	29.21	139.93	-721.77	703.53	1,621.03	1,563.10	57.92	27.987		
6,400.00	6,266.05	6,187.97	6,108.41	31.26	29.60	139.93	-732.25	715.98	1,647.00	1,588.23	58.77	28.026		
6,500.00	6,363.73	6,272.52	6,191.86	31.76	30.00	139.95	-741.46	725.97	1,673.14	1,613.57	59.57	28.085		
6,534.50	6,397.43	6,296.95	6,216.09	31.93	30.11	140.02	-744.19	727.36	1,682.43	1,622.63	59.80	28.134		
6,550.00	6,412.60	6,307.88	6,226.94	32.01	30.16	145.25	-745.42	727.67	1,686.64	1,626.74	59.90	28.158		
6,600.00	6,461.82	6,343.02	6,261.85	32.24	30.30	168.24	-749.41	727.42	1,700.18	1,639.98	60.19	28.245		
6,650.00	6,511.25	6,378.06	6,296.59	32.45	30.44	-161.40	-753.45	725.23	1,713.57	1,653.11	60.46	28.341		
6,700.00	6,560.58	6,413.05	6,331.09	32.64	30.56	-135.08	-757.52	721.14	1,726.73	1,666.02	60.71	28.441		
6,750.00	6,609.51	6,450.00	6,367.22	32.83	30.69	-118.13	-761.84	714.75	1,739.58	1,678.61	60.97	28.530		
6,800.00	6,657.74	6,483.02	6,399.14	33.01	30.80	-107.61	-765.72	707.26	1,752.05	1,690.86	61.19	28.631		
6,850.00	6,704.97	6,518.08	6,432.56	33.18	30.92	-100.66	-769.85	697.50	1,764.06	1,702.63	61.44	28.713		
6,900.00	6,750.90	6,553.25	6,465.49	33.36	31.03	-95.75	-773.98	685.86	1,775.55	1,713.86	61.69	28.783		
6,950.00	6,795.26	6,588.57	6,497.85	33.54	31.15	-92.10	-778.10	672.35	1,786.45	1,724.50	61.95	28.836		
7,000.00	6,837.77	6,624.06	6,529.57	33.73	31.26	-89.28	-782.20	656.97	1,796.71	1,734.48	62.23	28.871		
7,050.00	6,878.17	6,659.78	6,560.57	33.92	31.38	-87.04	-786.29	639.72	1,806.27	1,743.73	62.54	28.883		
7,100.00	6,916.21	6,695.76	6,590.77	34.13	31.49	-85.26	-790.34	620.61	1,815.09	1,752.22	62.87	28.868		
7,150.00	6,951.66	6,732.03	6,620.08	34.36	31.62	-83.82	-794.35	599.62	1,823.13	1,759.87	63.25	28.823		
7,200.00	6,984.29	6,768.64	6,648.40	34.61	31.75	-82.67	-798.30	576.76	1,830.34	1,766.66	63.68	28.745		
7,250.00	7,013.91	6,805.63	6,675.63	34.89	31.88	-81.77	-802.19	552.04	1,836.70	1,772.55	64.15	28.631		
7,300.00	7,040.34	6,843.04	6,701.67	35.20	32.03	-81.09	-806.00	525.46	1,842.19	1,777.50	64.69	28.477		
7,350.00	7,063.40	6,880.91	6,726.40	35.55	32.19	-80.60	-809.71	497.03	1,846.78	1,781.48	65.30	28.282		
7,400.00	7,082.97	6,919.28	6,749.68	35.94	32.37	-80.29	-813.33	466.76	1,850.45	1,784.48	65.98	28.046		
7,450.00	7,098.91	6,958.19	6,771.40	36.36	32.56	-80.16	-816.82	434.67	1,853.21	1,786.48	66.73	27.771		
7,500.00	7,111.13	6,997.70	6,791.42	36.83	32.78	-80.19	-820.17	400.77	1,855.04	1,787.48	67.56	27.458		
7,550.00	7,119.55	7,037.85	6,809.57	37.34	33.04	-80.37	-823.36	365.11	1,855.94	1,787.47	68.47	27.107		
7,600.00	7,124.13	7,078.70	6,825.70	37.88	33.32	-80.70	-826.38	327.71	1,855.92	1,786.48	69.44	26.726		
7,639.68	7,125.00	7,111.65	6,836.95	38.33	33.58	-81.08	-828.64	296.83	1,855.26	1,785.00	70.26	26.404		
7,700.00	7,124.48	7,163.41	6,851.37	39.05	34.02	-81.54	-831.85	247.24	1,854.01	1,782.41	71.60	25.894		
7,800.00	7,123.60	7,253.86	6,866.80	40.40	34.90	-82.04	-836.41	158.30	1,852.54	1,778.51	74.03	25.025		
7,900.00	7,122.72	7,348.55	6,869.70	41.90	35.97	-82.15	-839.71	63.78	1,851.52	1,774.83	76.70	24.141		
8,000.00	7,121.84	7,448.55	6,868.28	43.54	37.29	-82.13	-842.69	-36.15	1,850.61	1,770.92	79.69	23.222		
8,100.00	7,120.97	7,548.54	6,866.85	45.30	38.77	-82.11	-845.67	-136.09	1,849.71	1,766.75	82.95	22.298		
8,200.00	7,120.09	7,648.53	6,865.43	47.17	40.41	-82.09	-848.65	-236.03	1,848.80	1,762.34	86.46	21.383		
8,300.00	7,119.21	7,748.53	6,864.00	49.13	42.18	-82.07	-851.63	-335.97	1,847.89	1,757.70	90.19	20.490		
8,400.00	7,118.33	7,848.52	6,862.58	51.18	44.06	-82.04	-854.61	-435.91	1,846.98	1,752.88	94.10	19.628		
8,500.00	7,117.46	7,948.51	6,861.15	53.30	46.05	-82.02	-857.59	-535.85	1,846.08	1,747.89	98.18	18.802		
8,600.00	7,116.58	8,048.51	6,859.73	55.48	48.12	-82.00	-860.57	-635.79	1,845.17	1,742.76	102.41	18.017		
8,700.00	7,115.70	8,148.50	6,858.31	57.72	50.27	-81.98	-863.56	-735.73	1,844.26	1,737.49	106.77	17.273		
8,800.00	7,114.82	8,248.49	6,856.88	60.02	52.49	-81.96	-866.54	-835.67	1,843.36	1,732.11	111.25	16.570		
8,900.00	7,113.95	8,348.49	6,855.46	62.36	54.77	-81.94	-869.52	-935.61	1,842.45	1,726.63	115.82	15.908		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.07	8,448.48	6,854.03	64.74	57.10	-81.92	-872.50	-1,035.54	1,841.54	1,721.06	120.49	15.284		
9,100.00	7,112.19	8,548.47	6,852.61	67.15	59.47	-81.90	-875.48	-1,135.48	1,840.64	1,715.41	125.23	14.698		
9,200.00	7,111.31	8,648.47	6,851.19	69.60	61.88	-81.88	-878.46	-1,235.42	1,839.73	1,709.69	130.05	14.147		
9,300.00	7,110.44	8,748.46	6,849.76	72.08	64.33	-81.85	-881.44	-1,335.36	1,838.83	1,703.90	134.92	13.629		
9,400.00	7,109.56	8,848.46	6,848.34	74.58	66.81	-81.83	-884.42	-1,435.30	1,837.92	1,698.07	139.86	13.142		
9,500.00	7,108.68	8,948.45	6,846.91	77.10	69.32	-81.81	-887.40	-1,535.24	1,837.02	1,692.18	144.84	12.683		
9,600.00	7,107.81	9,048.44	6,845.49	79.65	71.85	-81.79	-890.38	-1,635.18	1,836.11	1,686.25	149.87	12.252		
9,700.00	7,106.93	9,148.44	6,844.06	82.22	74.41	-81.77	-893.36	-1,735.12	1,835.21	1,680.27	154.94	11.845		
9,800.00	7,106.05	9,248.43	6,842.64	84.80	76.99	-81.75	-896.34	-1,835.06	1,834.30	1,674.26	160.04	11.461		
9,900.00	7,105.17	9,348.42	6,841.22	87.40	79.58	-81.73	-899.32	-1,935.00	1,833.40	1,668.22	165.18	11.099		
10,000.00	7,104.30	9,448.42	6,839.79	90.02	82.19	-81.70	-902.31	-2,034.93	1,832.50	1,662.15	170.35	10.757		
10,100.00	7,103.42	9,548.41	6,838.37	92.64	84.82	-81.68	-905.29	-2,134.87	1,831.59	1,656.05	175.55	10.434		
10,200.00	7,102.54	9,648.40	6,836.94	95.28	87.46	-81.66	-908.27	-2,234.81	1,830.69	1,649.92	180.77	10.127		
10,300.00	7,101.66	9,748.40	6,835.52	97.94	90.11	-81.64	-911.25	-2,334.75	1,829.79	1,643.78	186.01	9.837		
10,400.00	7,100.79	9,848.39	6,834.09	100.60	92.77	-81.62	-914.23	-2,434.69	1,828.89	1,637.61	191.28	9.561		
10,500.00	7,099.91	9,948.38	6,832.67	103.27	95.45	-81.60	-917.21	-2,534.63	1,827.98	1,631.42	196.56	9.300		
10,600.00	7,099.03	10,048.38	6,831.25	105.95	98.13	-81.58	-920.19	-2,634.57	1,827.08	1,625.22	201.86	9.051		
10,700.00	7,098.15	10,148.37	6,829.82	108.64	100.82	-81.55	-923.17	-2,734.51	1,826.18	1,619.00	207.18	8.814		
10,800.00	7,097.28	10,248.37	6,828.40	111.33	103.52	-81.53	-926.15	-2,834.45	1,825.28	1,612.77	212.51	8.589		
10,900.00	7,096.40	10,348.36	6,826.97	114.04	106.23	-81.51	-929.13	-2,934.39	1,824.38	1,606.52	217.86	8.374		
11,000.00	7,095.52	10,448.35	6,825.55	116.74	108.95	-81.49	-932.11	-3,034.32	1,823.48	1,600.26	223.22	8.169		
11,100.00	7,094.64	10,548.35	6,824.12	119.46	111.67	-81.47	-935.09	-3,134.26	1,822.58	1,593.99	228.59	7.973		
11,200.00	7,093.77	10,648.34	6,822.70	122.18	114.40	-81.45	-938.07	-3,234.20	1,821.68	1,587.70	233.97	7.786		
11,300.00	7,092.89	10,748.33	6,821.28	124.91	117.13	-81.42	-941.06	-3,334.14	1,820.78	1,581.41	239.37	7.607		
11,400.00	7,092.01	10,848.33	6,819.85	127.64	119.87	-81.40	-944.04	-3,434.08	1,819.88	1,575.11	244.77	7.435		
11,500.00	7,091.13	10,948.32	6,818.43	130.38	122.61	-81.38	-947.02	-3,534.02	1,818.98	1,568.80	250.18	7.271		
11,600.00	7,090.26	11,048.31	6,817.00	133.12	125.36	-81.36	-950.00	-3,633.96	1,818.08	1,562.48	255.60	7.113		
11,700.00	7,089.38	11,148.31	6,815.58	135.86	128.11	-81.34	-952.98	-3,733.90	1,817.18	1,556.16	261.02	6.962		
11,800.00	7,088.50	11,248.30	6,814.16	138.61	130.87	-81.32	-955.96	-3,833.84	1,816.28	1,549.83	266.45	6.816		
11,900.00	7,087.63	11,348.29	6,812.73	141.36	133.63	-81.29	-958.94	-3,933.78	1,815.38	1,543.49	271.89	6.677		
12,000.00	7,086.75	11,448.29	6,811.31	144.12	136.39	-81.27	-961.92	-4,033.71	1,814.48	1,537.14	277.34	6.542		
12,100.00	7,085.87	11,548.28	6,809.85	146.88	139.10	-81.24	-964.90	-4,133.65	1,813.58	1,530.82	283.38	6.400		
12,200.00	7,084.99	11,648.27	6,808.47	149.64	141.86	-81.19	-967.88	-4,233.59	1,812.68	1,524.50	289.87	6.241		
12,300.00	7,084.12	11,748.26	6,807.05	152.40	144.64	-81.15	-970.86	-4,333.53	1,811.78	1,518.18	296.87	6.077		
12,400.00	7,083.24	11,848.25	6,805.63	155.17	147.43	-81.11	-973.84	-4,433.47	1,810.88	1,511.86	304.37	5.909		
12,500.00	7,082.36	11,948.24	6,804.21	157.94	150.22	-81.07	-976.82	-4,533.41	1,809.98	1,505.54	312.37	5.737		
12,600.00	7,081.48	12,048.23	6,802.79	160.71	153.01	-81.03	-979.80	-4,633.35	1,809.08	1,499.22	320.87	5.562		
12,700.00	7,080.61	12,148.22	6,801.37	163.49	155.80	-80.98	-982.78	-4,733.29	1,808.18	1,492.90	329.87	5.387		
12,800.00	7,079.73	12,248.21	6,799.94	166.27	158.59	-80.94	-985.76	-4,833.23	1,807.28	1,486.58	339.37	5.212		
12,900.00	7,078.85	12,348.20	6,798.52	169.04	161.39	-80.90	-988.74	-4,933.17	1,806.38	1,480.26	349.37	5.037		
13,000.00	7,077.97	12,448.19	6,797.10	171.83	164.19	-80.86	-991.72	-5,033.11	1,805.48	1,473.94	359.87	4.862		
13,100.00	7,077.10	12,548.18	6,795.68	174.61	167.00	-80.81	-994.70	-5,133.05	1,804.58	1,467.62	370.37	4.687		
13,200.00	7,076.22	12,648.17	6,794.26	177.39	169.80	-80.77	-997.68	-5,232.99	1,803.68	1,461.30	381.37	4.512		
13,300.00	7,075.34	12,748.16	6,792.84	180.18	172.60	-80.73	-1,000.66	-5,332.93	1,802.78	1,454.98	392.87	4.337		
13,400.00	7,074.46	12,848.15	6,791.42	182.97	175.40	-80.69	-1,003.64	-5,432.87	1,801.88	1,448.66	404.37	4.162		
13,500.00	7,073.59	12,948.14	6,789.99	185.76	178.21	-80.64	-1,006.62	-5,532.81	1,800.98	1,442.34	416.37	3.987		
13,600.00	7,072.71	13,048.13	6,788.57	188.55	181.02	-80.60	-1,009.60	-5,632.75	1,799.08	1,436.02	428.87	3.812		
13,700.00	7,071.83	13,148.12	6,787.15	191.34	183.83	-80.55	-1,012.58	-5,732.69	1,798.18	1,429.70	441.37	3.637		
13,800.00	7,070.95	13,248.11	6,785.73	194.14	186.64	-80.51	-1,015.56	-5,832.63	1,797.28	1,423.38	454.37	3.462		
13,900.00	7,070.08	13,348.10	6,784.31	196.93	189.45	-80.47	-1,018.54	-5,932.57	1,796.38	1,417.06	467.87	3.287		
14,000.00	7,069.20	13,448.09	6,782.89	199.73	192.27	-80.42	-1,021.52	-6,032.51	1,795.48	1,410.74	481.37	3.112		
14,100.00	7,068.32	13,548.08	6,781.47	202.53	195.08	-80.38	-1,024.50	-6,132.45	1,794.58	1,404.42	495.37	2.937		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 34N-6A-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)					
14,200.00	7,067.45	13,715.17	6,779.05	205.33	199.90	-80.33	-947.21	-6,300.24	1,714.88	1,315.41	399.47	4.293				
14,300.00	7,066.57	13,815.05	6,777.62	208.13	202.71	-80.29	-946.32	-6,400.10	1,710.17	1,305.21	404.96	4.223				
14,400.00	7,065.69	13,914.94	6,776.20	210.93	205.53	-80.24	-945.43	-6,499.97	1,705.47	1,295.02	410.45	4.155				
14,500.00	7,064.81	14,014.82	6,774.78	213.73	208.35	-80.19	-944.54	-6,599.84	1,700.77	1,284.83	415.95	4.089				
14,600.00	7,063.94	14,114.70	6,773.36	216.54	211.17	-80.15	-943.65	-6,699.70	1,696.07	1,274.63	421.44	4.024				
14,700.00	7,063.06	14,214.58	6,771.94	219.34	213.99	-80.10	-942.76	-6,799.57	1,691.38	1,264.44	426.93	3.962				
14,800.00	7,062.18	14,314.46	6,770.52	222.15	216.81	-80.05	-941.87	-6,899.43	1,686.68	1,254.26	432.43	3.901				
14,900.00	7,061.30	14,414.34	6,769.10	224.95	219.64	-80.01	-940.98	-6,999.30	1,681.99	1,244.07	437.92	3.841				
15,000.00	7,060.43	14,514.22	6,767.68	227.76	222.46	-79.96	-940.09	-7,099.17	1,677.29	1,233.88	443.41	3.783				
15,100.00	7,059.55	14,614.10	6,766.25	230.57	225.28	-79.91	-939.20	-7,199.03	1,672.60	1,223.70	448.90	3.726				
15,200.00	7,058.67	14,713.98	6,764.83	233.38	228.11	-79.87	-938.31	-7,298.90	1,667.91	1,213.51	454.39	3.671				
15,300.00	7,057.79	14,813.86	6,763.41	236.19	230.93	-79.82	-937.42	-7,398.76	1,663.22	1,203.33	459.88	3.617				
15,400.00	7,056.92	14,913.74	6,761.99	239.00	233.76	-79.77	-936.53	-7,498.63	1,658.53	1,193.16	465.37	3.564				
15,500.00	7,056.04	15,013.62	6,760.57	241.81	236.59	-79.72	-935.64	-7,598.50	1,653.84	1,182.98	470.86	3.512				
15,600.00	7,055.16	15,113.50	6,759.15	244.62	239.42	-79.67	-934.75	-7,698.36	1,649.15	1,172.80	476.35	3.462				
15,700.00	7,054.28	15,213.38	6,757.73	247.43	242.24	-79.62	-933.86	-7,798.23	1,644.46	1,162.63	481.83	3.413				
15,800.00	7,053.41	15,313.26	6,756.30	250.25	245.07	-79.57	-932.97	-7,898.10	1,639.78	1,152.46	487.32	3.365				
15,846.35	7,053.00	15,335.52	6,755.99	251.55	245.70	-79.56	-932.78	-7,920.36	1,637.79	1,148.38	489.40	3.347 SF				

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-174.36	-149.37	-14.75	150.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.36	-149.37	-14.75	150.09	143.52	6.57	22.848		
200.00	200.00	200.00	200.00	3.34	3.34	-174.36	-149.37	-14.75	150.09	143.42	6.67	22.489 CC, ES		
300.00	299.98	296.02	296.00	3.44	3.44	141.10	-150.71	-13.87	152.75	145.87	6.89	22.181		
400.00	399.84	391.64	391.50	3.61	3.58	141.05	-154.72	-11.23	160.72	153.52	7.21	22.303		
500.00	499.45	486.46	485.98	3.81	3.76	140.95	-161.32	-6.88	173.95	166.34	7.62	22.830		
600.00	598.70	580.11	578.99	4.06	3.99	140.82	-170.40	-0.90	192.38	184.27	8.11	23.725		
700.00	697.47	672.22	670.09	4.35	4.24	140.65	-181.80	6.61	215.91	207.25	8.66	24.937		
800.00	795.62	762.47	758.87	4.66	4.52	140.44	-195.33	15.52	244.42	235.17	9.25	26.417		
817.50	812.73	778.36	774.44	4.73	4.57	140.40	-197.95	17.25	249.91	240.54	9.36	26.686		
900.00	893.32	856.60	851.12	5.01	4.84	140.57	-210.95	25.81	276.05	266.18	9.88	27.952		
1,000.00	991.01	951.45	944.07	5.38	5.19	140.73	-226.70	36.18	307.74	297.20	10.54	29.201		
1,100.00	1,088.69	1,046.29	1,037.02	5.77	5.56	140.87	-242.45	46.55	339.43	328.19	11.24	30.205		
1,200.00	1,186.38	1,141.13	1,129.97	6.18	5.95	140.98	-258.20	56.93	371.12	359.16	11.97	31.012		
1,300.00	1,284.06	1,235.97	1,222.92	6.60	6.35	141.07	-273.95	67.30	402.82	390.10	12.72	31.664		
1,400.00	1,381.75	1,330.82	1,315.86	7.03	6.76	141.15	-289.70	77.67	434.51	421.02	13.50	32.192		
1,500.00	1,479.44	1,425.66	1,408.81	7.47	7.18	141.22	-305.45	88.05	466.21	451.92	14.29	32.623		
1,600.00	1,577.12	1,520.50	1,501.76	7.91	7.61	141.28	-321.20	98.42	497.90	482.80	15.10	32.976		
1,700.00	1,674.81	1,615.35	1,594.71	8.37	8.04	141.33	-336.95	108.80	529.60	513.68	15.92	33.267		
1,800.00	1,772.49	1,710.19	1,687.66	8.82	8.48	141.38	-352.70	119.17	561.30	544.54	16.75	33.507		
1,900.00	1,870.18	1,805.03	1,780.61	9.28	8.92	141.42	-368.45	129.54	592.99	575.40	17.59	33.708		
2,000.00	1,967.87	1,899.87	1,873.56	9.75	9.37	141.46	-384.21	139.92	624.69	606.25	18.44	33.875		
2,100.00	2,065.55	1,994.72	1,966.50	10.22	9.82	141.49	-399.96	150.29	656.39	637.09	19.30	34.016		
2,200.00	2,163.24	2,089.56	2,059.45	10.69	10.27	141.53	-415.71	160.66	688.08	667.93	20.16	34.134		
2,300.00	2,260.92	2,184.40	2,152.40	11.16	10.72	141.55	-431.46	171.04	719.78	698.76	21.03	34.234		
2,400.00	2,358.61	2,279.25	2,245.35	11.64	11.18	141.58	-447.21	181.41	751.48	729.58	21.90	34.319		
2,500.00	2,456.30	2,374.09	2,338.30	12.12	11.64	141.60	-462.96	191.79	783.18	760.41	22.77	34.392		
2,600.00	2,553.98	2,468.93	2,431.25	12.59	12.10	141.63	-478.71	202.16	814.88	791.22	23.65	34.453		
2,700.00	2,651.67	2,563.77	2,524.20	13.08	12.56	141.65	-494.46	212.53	846.57	822.04	24.53	34.506		
2,800.00	2,749.35	2,658.62	2,617.15	13.56	13.03	141.66	-510.21	222.91	878.27	852.85	25.42	34.551		
2,900.00	2,847.04	2,753.46	2,710.09	14.04	13.49	141.68	-525.96	233.28	909.97	883.66	26.31	34.589		
3,000.00	2,944.72	2,848.30	2,803.04	14.52	13.96	141.70	-541.71	243.65	941.67	914.47	27.20	34.622		
3,100.00	3,042.41	2,943.14	2,895.99	15.01	14.42	141.71	-557.46	254.03	973.37	945.28	28.09	34.650		
3,200.00	3,140.10	3,037.99	2,988.94	15.50	14.89	141.73	-573.21	264.40	1,005.07	976.08	28.99	34.675		
3,300.00	3,237.78	3,132.83	3,081.89	15.98	15.36	141.74	-588.96	274.78	1,036.76	1,006.88	29.88	34.695		
3,400.00	3,335.47	3,227.67	3,174.84	16.47	15.83	141.75	-604.71	285.15	1,068.46	1,037.68	30.78	34.713		
3,500.00	3,433.15	3,322.52	3,267.79	16.96	16.30	141.77	-620.46	295.52	1,100.16	1,068.48	31.68	34.728		
3,600.00	3,530.84	3,417.36	3,360.73	17.45	16.77	141.78	-636.22	305.90	1,131.86	1,099.28	32.58	34.741		
3,700.00	3,628.53	3,512.20	3,453.68	17.94	17.24	141.79	-651.97	316.27	1,163.56	1,130.08	33.48	34.751		
3,800.00	3,726.21	3,607.04	3,546.63	18.43	17.71	141.80	-667.72	326.64	1,195.26	1,160.87	34.39	34.760		
3,900.00	3,823.90	3,701.89	3,639.58	18.92	18.19	141.81	-683.47	337.02	1,226.96	1,191.67	35.29	34.768		
4,000.00	3,921.58	3,803.27	3,732.53	19.41	18.69	141.82	-699.22	347.39	1,258.66	1,222.43	36.23	34.744		
4,100.00	4,019.27	3,908.43	3,825.48	19.90	19.22	141.82	-714.97	357.77	1,290.35	1,253.17	37.18	34.704		
4,200.00	4,116.96	3,986.41	3,918.43	20.39	19.61	141.83	-730.72	368.14	1,322.05	1,284.04	38.01	34.783		
4,300.00	4,214.64	4,081.26	4,011.38	20.88	20.08	141.84	-746.47	378.51	1,353.75	1,314.84	38.92	34.786		
4,400.00	4,312.33	4,176.10	4,104.32	21.37	20.55	141.85	-762.22	388.89	1,385.45	1,345.63	39.83	34.788		
4,500.00	4,410.01	4,270.94	4,197.27	21.87	21.03	141.86	-777.97	399.26	1,417.15	1,376.41	40.74	34.789		
4,600.00	4,507.70	4,365.79	4,290.22	22.36	21.50	141.86	-793.72	409.64	1,448.85	1,407.20	41.65	34.790		
4,700.00	4,605.39	4,460.63	4,383.17	22.85	21.98	141.87	-809.47	420.01	1,480.55	1,437.99	42.56	34.791		
4,800.00	4,703.07	4,555.47	4,476.12	23.35	22.46	141.88	-825.22	430.38	1,512.25	1,468.78	43.47	34.790		
4,900.00	4,800.76	4,650.31	4,569.07	23.84	22.93	141.88	-840.97	440.76	1,543.95	1,499.57	44.38	34.790		
5,000.00	4,898.44	4,745.16	4,662.02	24.33	23.41	141.89	-856.72	451.13	1,575.64	1,530.35	45.29	34.789		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,840.00	4,754.96	24.83	23.88	141.89	-872.47	461.50	1,607.34	1,561.14	46.20	34.787		
5,200.00	5,093.82	4,934.84	4,847.91	25.32	24.36	141.90	-888.23	471.88	1,639.04	1,591.92	47.12	34.786		
5,300.00	5,191.50	5,029.69	4,940.86	25.82	24.84	141.90	-903.98	482.25	1,670.74	1,622.71	48.03	34.784		
5,400.00	5,289.19	5,124.53	5,033.81	26.31	25.31	141.91	-919.73	492.63	1,702.44	1,653.49	48.95	34.782		
5,500.00	5,386.87	5,219.37	5,126.76	26.81	25.79	141.91	-935.48	503.00	1,734.14	1,684.28	49.86	34.779		
5,600.00	5,484.56	5,314.21	5,219.71	27.30	26.27	141.92	-951.23	513.37	1,765.84	1,715.06	50.78	34.777		
5,700.00	5,582.25	5,409.06	5,312.66	27.80	26.74	141.92	-966.98	523.75	1,797.54	1,745.85	51.69	34.774		
5,800.00	5,679.93	5,503.90	5,405.61	28.29	27.22	141.93	-982.73	534.12	1,829.24	1,776.63	52.61	34.771		
5,900.00	5,777.62	5,598.74	5,498.55	28.79	27.70	141.93	-998.48	544.49	1,860.94	1,807.41	53.52	34.768		
6,000.00	5,875.30	5,706.42	5,591.50	29.28	28.24	141.93	-1,014.23	554.87	1,892.64	1,838.13	54.50	34.726		
6,100.00	5,972.99	5,788.43	5,684.45	29.78	28.65	141.94	-1,029.98	565.24	1,924.33	1,868.98	55.36	34.762		
6,200.00	6,070.67	5,883.27	5,777.40	30.27	29.13	141.94	-1,045.73	575.62	1,956.03	1,899.76	56.27	34.759		
6,300.00	6,168.36	5,978.11	5,870.35	30.77	29.61	141.95	-1,061.48	585.99	1,987.73	1,930.54	57.19	34.755		
6,400.00	6,266.05	6,072.96	5,963.30	31.26	30.09	141.95	-1,077.23	596.36	2,019.43	1,961.32	58.11	34.752		
6,500.00	6,363.73	6,167.80	6,056.25	31.76	30.57	141.95	-1,092.98	606.74	2,051.13	1,992.10	59.03	34.748		
6,534.50	6,397.43	6,200.52	6,088.31	31.93	30.73	141.95	-1,098.42	610.32	2,062.07	2,002.72	59.34	34.747		
6,550.00	6,412.60	6,215.23	6,102.73	32.01	30.80	147.21	-1,100.86	611.92	2,066.96	2,007.47	59.49	34.747		
6,600.00	6,461.82	6,262.68	6,149.24	32.24	31.04	170.21	-1,108.74	617.12	2,082.35	2,022.42	59.93	34.745		
6,650.00	6,511.25	6,309.94	6,195.55	32.45	31.28	-159.53	-1,116.59	622.28	2,097.12	2,036.76	60.36	34.743		
6,700.00	6,560.58	6,356.69	6,241.37	32.64	31.52	-133.45	-1,124.35	627.40	2,111.22	2,050.44	60.78	34.738		
6,750.00	6,609.51	6,402.66	6,286.42	32.83	31.75	-116.83	-1,131.99	632.43	2,124.61	2,063.43	61.18	34.728		
6,800.00	6,657.74	6,447.56	6,330.42	33.01	31.98	-106.71	-1,139.44	637.34	2,137.28	2,075.70	61.57	34.710		
6,850.00	6,704.97	6,491.12	6,373.11	33.18	32.20	-100.23	-1,146.68	642.10	2,149.24	2,087.28	61.96	34.686		
6,900.00	6,750.90	6,529.41	6,410.64	33.36	32.39	-95.77	-1,153.04	646.23	2,160.54	2,098.24	62.31	34.676		
6,950.00	6,795.26	6,558.59	6,439.33	33.54	32.53	-92.42	-1,157.93	648.36	2,171.36	2,108.79	62.57	34.701		
7,000.00	6,837.77	6,588.11	6,468.40	33.73	32.67	-89.89	-1,162.93	649.16	2,181.73	2,118.88	62.85	34.711		
7,050.00	6,878.17	6,618.01	6,497.86	33.92	32.80	-87.93	-1,168.03	648.58	2,191.63	2,128.47	63.15	34.703		
7,100.00	6,916.21	6,648.37	6,527.70	34.13	32.93	-86.38	-1,173.24	646.55	2,201.02	2,137.54	63.48	34.671		
7,150.00	6,951.66	6,679.28	6,557.93	34.36	33.04	-85.17	-1,178.56	643.00	2,209.90	2,146.06	63.84	34.614		
7,200.00	6,984.29	6,710.83	6,588.58	34.61	33.16	-84.22	-1,184.00	637.85	2,218.25	2,154.00	64.25	34.526		
7,250.00	7,013.91	6,743.15	6,619.67	34.89	33.27	-83.49	-1,189.56	630.98	2,226.04	2,161.34	64.70	34.404		
7,300.00	7,040.34	6,776.39	6,651.22	35.20	33.38	-82.97	-1,195.26	622.26	2,233.28	2,168.07	65.21	34.248		
7,350.00	7,063.40	6,810.72	6,683.29	35.55	33.49	-82.62	-1,201.11	611.50	2,239.95	2,174.18	65.77	34.056		
7,400.00	7,082.97	6,846.36	6,715.92	35.94	33.60	-82.44	-1,207.11	598.50	2,246.05	2,179.66	66.39	33.829		
7,450.00	7,098.91	6,883.59	6,749.17	36.36	33.70	-82.42	-1,213.30	582.95	2,251.57	2,184.50	67.08	33.567		
7,500.00	7,111.13	6,922.76	6,783.12	36.83	33.81	-82.56	-1,219.69	564.49	2,256.52	2,188.70	67.82	33.275		
7,550.00	7,119.55	6,964.34	6,817.85	37.34	33.92	-82.86	-1,226.31	542.61	2,260.87	2,192.27	68.61	32.954		
7,600.00	7,124.13	7,008.94	6,853.43	37.88	34.04	-83.32	-1,233.19	516.64	2,264.64	2,195.19	69.45	32.609		
7,639.68	7,125.00	7,047.01	6,882.32	38.33	34.14	-83.81	-1,238.87	492.51	2,267.21	2,197.06	70.15	32.320		
7,700.00	7,124.48	7,114.02	6,929.49	39.05	34.31	-85.03	-1,248.35	445.92	2,271.02	2,199.71	71.31	31.847		
7,800.00	7,123.60	7,262.31	7,015.07	40.40	34.74	-87.24	-1,266.54	326.60	2,277.39	2,203.74	73.65	30.923		
7,900.00	7,122.72	7,900.00	7,078.46	41.90	39.24	-88.87	-1,282.23	160.40	2,281.45	2,200.61	80.83	28.224		
8,000.00	7,121.84	7,640.33	7,094.18	43.54	37.36	-89.31	-1,290.59	-36.91	2,281.03	2,200.49	80.54	28.321		
8,100.00	7,120.97	7,740.31	7,092.07	45.30	38.59	-89.28	-1,293.09	-136.84	2,279.57	2,195.92	83.64	27.253		
8,200.00	7,120.09	7,840.29	7,089.96	47.17	40.01	-89.25	-1,295.58	-236.77	2,278.10	2,191.10	87.01	26.183		
8,300.00	7,119.21	7,940.27	7,087.85	49.13	41.60	-89.22	-1,298.08	-336.69	2,276.64	2,186.04	90.61	25.127		
8,400.00	7,118.33	8,040.26	7,085.75	51.18	43.33	-89.19	-1,300.57	-436.62	2,275.18	2,180.77	94.41	24.098		
8,500.00	7,117.46	8,140.24	7,083.64	53.30	45.18	-89.15	-1,303.07	-536.55	2,273.72	2,175.32	98.40	23.106		
8,600.00	7,116.58	8,240.22	7,081.53	55.48	47.13	-89.12	-1,305.56	-636.48	2,272.26	2,169.71	102.56	22.156		
8,700.00	7,115.70	8,340.20	7,079.42	57.72	49.18	-89.09	-1,308.06	-736.41	2,270.80	2,163.95	106.85	21.252		
8,800.00	7,114.82	8,440.18	7,077.31	60.02	51.30	-89.06	-1,310.55	-836.33	2,269.34	2,158.07	111.27	20.394		
8,900.00	7,113.95	8,540.16	7,075.21	62.36	53.49	-89.03	-1,313.04	-936.26	2,267.89	2,152.08	115.81	19.583		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.07	8,640.14	7,073.10	64.74	55.74	-89.00	-1,315.54	-1,036.19	2,266.43	2,145.99	120.44	18.818		
9,100.00	7,112.19	8,740.13	7,070.99	67.15	58.04	-88.96	-1,318.03	-1,136.12	2,264.97	2,139.82	125.16	18.097		
9,200.00	7,111.31	8,840.11	7,068.88	69.60	60.39	-88.93	-1,320.53	-1,236.05	2,263.52	2,133.56	129.96	17.418		
9,300.00	7,110.44	8,940.09	7,066.77	72.08	62.78	-88.90	-1,323.02	-1,335.98	2,262.06	2,127.24	134.82	16.778		
9,400.00	7,109.56	9,040.07	7,064.67	74.58	65.21	-88.87	-1,325.52	-1,435.90	2,260.61	2,120.86	139.75	16.176		
9,500.00	7,108.68	9,140.05	7,062.56	77.10	67.67	-88.84	-1,328.01	-1,535.83	2,259.16	2,114.42	144.74	15.609		
9,600.00	7,107.81	9,240.03	7,060.45	79.65	70.16	-88.81	-1,330.51	-1,635.76	2,257.70	2,107.93	149.77	15.074		
9,700.00	7,106.93	9,340.01	7,058.34	82.22	72.67	-88.77	-1,333.00	-1,735.69	2,256.25	2,101.40	154.85	14.570		
9,800.00	7,106.05	9,440.00	7,056.23	84.80	75.21	-88.74	-1,335.50	-1,835.62	2,254.80	2,094.83	159.97	14.095		
9,900.00	7,105.17	9,539.98	7,054.12	87.40	77.77	-88.71	-1,337.99	-1,935.54	2,253.35	2,088.22	165.13	13.646		
10,000.00	7,104.30	9,639.96	7,052.02	90.02	80.35	-88.68	-1,340.49	-2,035.47	2,251.90	2,081.58	170.32	13.221		
10,100.00	7,103.42	9,739.94	7,049.91	92.64	82.95	-88.64	-1,342.98	-2,135.40	2,250.45	2,074.91	175.54	12.820		
10,200.00	7,102.54	9,839.92	7,047.80	95.28	85.56	-88.61	-1,345.48	-2,235.33	2,249.00	2,068.21	180.79	12.440		
10,300.00	7,101.66	9,939.90	7,045.69	97.94	88.19	-88.58	-1,347.97	-2,335.26	2,247.56	2,061.49	186.07	12.079		
10,400.00	7,100.79	10,039.89	7,043.58	100.60	90.83	-88.55	-1,350.46	-2,435.19	2,246.11	2,054.74	191.37	11.737		
10,500.00	7,099.91	10,139.87	7,041.48	103.27	93.49	-88.52	-1,352.96	-2,535.11	2,244.66	2,047.98	196.69	11.412		
10,600.00	7,099.03	10,239.85	7,039.37	105.95	96.15	-88.48	-1,355.45	-2,635.04	2,243.22	2,041.19	202.03	11.104		
10,700.00	7,098.15	10,339.83	7,037.26	108.64	98.82	-88.45	-1,357.95	-2,734.97	2,241.77	2,034.39	207.38	10.810		
10,800.00	7,097.28	10,439.81	7,035.15	111.33	101.51	-88.42	-1,360.44	-2,834.90	2,240.33	2,027.57	212.76	10.530		
10,900.00	7,096.40	10,539.79	7,033.04	114.04	104.20	-88.39	-1,362.94	-2,934.83	2,238.89	2,020.74	218.15	10.263		
11,000.00	7,095.52	10,639.77	7,030.94	116.74	106.90	-88.35	-1,365.43	-3,034.75	2,237.44	2,013.89	223.55	10.009		
11,100.00	7,094.64	10,739.76	7,028.83	119.46	109.61	-88.32	-1,367.93	-3,134.68	2,236.00	2,007.04	228.97	9.766		
11,200.00	7,093.77	10,839.74	7,026.72	122.18	112.32	-88.29	-1,370.42	-3,234.61	2,234.56	2,000.17	234.39	9.533		
11,300.00	7,092.89	10,939.72	7,024.61	124.91	115.04	-88.25	-1,372.92	-3,334.54	2,233.12	1,993.29	239.84	9.311		
11,400.00	7,092.01	11,039.70	7,022.50	127.64	117.77	-88.22	-1,375.41	-3,434.47	2,231.68	1,986.39	245.29	9.098		
11,500.00	7,091.13	11,139.68	7,020.40	130.38	120.50	-88.19	-1,377.91	-3,534.39	2,230.24	1,979.49	250.75	8.894		
11,600.00	7,090.26	11,239.66	7,018.29	133.12	123.24	-88.16	-1,380.40	-3,634.32	2,228.80	1,972.59	256.22	8.699		
11,700.00	7,089.38	11,339.64	7,016.18	135.86	125.98	-88.12	-1,382.90	-3,734.25	2,227.37	1,965.67	261.70	8.511		
11,800.00	7,088.50	11,439.63	7,014.07	138.61	128.72	-88.09	-1,385.39	-3,834.18	2,225.93	1,958.75	267.18	8.331		
11,900.00	7,087.63	11,539.61	7,011.96	141.36	131.47	-88.06	-1,387.88	-3,934.11	2,224.49	1,951.82	272.68	8.158		
12,000.00	7,086.75	11,639.59	7,009.86	144.12	134.23	-88.02	-1,390.38	-4,034.04	2,223.06	1,944.88	278.18	7.991		
12,100.00	7,085.87	11,739.57	7,007.75	146.88	136.99	-87.99	-1,392.87	-4,133.96	2,221.62	1,937.94	283.69	7.831		
12,200.00	7,084.99	11,839.55	7,005.64	149.64	139.75	-87.96	-1,395.37	-4,233.89	2,220.19	1,930.99	289.20	7.677		
12,300.00	7,084.12	11,939.53	7,003.53	152.40	142.51	-87.93	-1,397.86	-4,333.82	2,218.76	1,924.04	294.72	7.528		
12,400.00	7,083.24	12,039.52	7,001.42	155.17	145.28	-87.89	-1,400.36	-4,433.75	2,217.32	1,917.08	300.25	7.385		
12,500.00	7,082.36	12,139.50	6,999.32	157.94	148.05	-87.86	-1,402.85	-4,533.68	2,215.89	1,910.12	305.78	7.247		
12,600.00	7,081.48	12,239.48	6,997.21	160.71	150.83	-87.83	-1,405.35	-4,633.60	2,214.46	1,903.15	311.31	7.113		
12,700.00	7,080.61	12,339.46	6,995.10	163.49	153.60	-87.79	-1,407.84	-4,733.53	2,213.03	1,896.18	316.85	6.984		
12,800.00	7,079.73	12,439.44	6,992.99	166.27	156.38	-87.76	-1,410.34	-4,833.46	2,211.60	1,889.20	322.40	6.860		
12,900.00	7,078.85	12,539.42	6,990.88	169.04	159.16	-87.73	-1,412.83	-4,933.39	2,210.17	1,882.23	327.95	6.739		
13,000.00	7,077.97	12,639.40	6,988.78	171.83	161.95	-87.69	-1,415.33	-5,033.32	2,208.75	1,875.25	333.50	6.623		
13,100.00	7,077.10	12,739.39	6,986.67	174.61	164.73	-87.66	-1,417.82	-5,133.24	2,207.32	1,868.26	339.06	6.510		
13,200.00	7,076.22	12,839.37	6,984.56	177.39	167.52	-87.63	-1,420.32	-5,233.17	2,205.89	1,861.28	344.62	6.401		
13,300.00	7,075.34	12,939.35	6,982.45	180.18	170.31	-87.59	-1,422.81	-5,333.10	2,204.47	1,854.29	350.18	6.295		
13,400.00	7,074.46	13,039.33	6,980.34	182.97	173.10	-87.56	-1,425.30	-5,433.03	2,203.04	1,847.30	355.75	6.193		
13,500.00	7,073.59	13,139.31	6,978.24	185.76	175.89	-87.52	-1,427.80	-5,532.96	2,201.62	1,840.30	361.32	6.093		
13,600.00	7,072.71	13,239.29	6,976.13	188.55	178.69	-87.49	-1,430.29	-5,632.89	2,200.20	1,833.31	366.89	5.997		
13,700.00	7,071.83	13,339.27	6,974.02	191.34	181.48	-87.46	-1,432.79	-5,732.81	2,198.77	1,826.31	372.46	5.903		
13,800.00	7,070.95	13,439.26	6,971.91	194.14	184.28	-87.42	-1,435.28	-5,832.74	2,197.35	1,819.31	378.04	5.812		
13,900.00	7,070.08	13,539.24	6,969.80	196.93	187.08	-87.39	-1,437.78	-5,932.67	2,195.93	1,812.31	383.62	5.724		
14,000.00	7,069.20	13,639.22	6,967.70	199.73	189.88	-87.36	-1,440.27	-6,032.60	2,194.51	1,805.31	389.20	5.638		
14,100.00	7,068.32	13,739.20	6,965.59	202.53	192.68	-87.32	-1,442.77	-6,132.53	2,193.09	1,798.31	394.79	5.555		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,067.45	13,839.18	6,963.48	205.33	195.49	-87.29	-1,445.26	-6,232.45	2,191.67	1,791.30	400.37	5.474		
14,300.00	7,066.57	13,939.16	6,961.37	208.13	198.29	-87.25	-1,447.76	-6,332.38	2,190.25	1,784.30	405.96	5.395		
14,400.00	7,065.69	14,039.15	6,959.26	210.93	201.10	-87.22	-1,450.25	-6,432.31	2,188.84	1,777.29	411.55	5.319		
14,500.00	7,064.81	14,139.13	6,957.16	213.73	203.90	-87.19	-1,452.75	-6,532.24	2,187.42	1,770.28	417.14	5.244		
14,600.00	7,063.94	14,239.11	6,955.05	216.54	206.71	-87.15	-1,455.24	-6,632.17	2,186.01	1,763.27	422.73	5.171		
14,700.00	7,063.06	14,339.09	6,952.94	219.34	209.52	-87.12	-1,457.73	-6,732.10	2,184.59	1,756.26	428.33	5.100		
14,800.00	7,062.18	14,439.07	6,950.83	222.15	212.33	-87.08	-1,460.23	-6,832.02	2,183.18	1,749.25	433.92	5.031		
14,900.00	7,061.30	14,539.05	6,948.72	224.95	215.14	-87.05	-1,462.72	-6,931.95	2,181.76	1,742.24	439.52	4.964		
15,000.00	7,060.43	14,639.03	6,946.62	227.76	217.95	-87.01	-1,465.22	-7,031.88	2,180.35	1,735.23	445.12	4.898		
15,100.00	7,059.55	14,739.02	6,944.51	230.57	220.76	-86.98	-1,467.71	-7,131.81	2,178.94	1,728.22	450.72	4.834		
15,200.00	7,058.67	14,839.00	6,942.40	233.38	223.58	-86.95	-1,470.21	-7,231.74	2,177.53	1,721.21	456.32	4.772		
15,300.00	7,057.79	14,938.98	6,940.29	236.19	226.39	-86.91	-1,472.70	-7,331.66	2,176.12	1,714.20	461.92	4.711		
15,400.00	7,056.92	15,038.96	6,938.18	239.00	229.20	-86.88	-1,475.20	-7,431.59	2,174.71	1,707.19	467.52	4.652		
15,500.00	7,056.04	15,138.94	6,936.08	241.81	232.02	-86.84	-1,477.69	-7,531.52	2,173.30	1,700.17	473.13	4.593		
15,600.00	7,055.16	15,238.92	6,933.97	244.62	234.84	-86.81	-1,480.19	-7,631.45	2,171.89	1,693.16	478.73	4.537		
15,700.00	7,054.28	15,338.90	6,931.86	247.43	237.65	-86.77	-1,482.68	-7,731.38	2,170.49	1,686.15	484.34	4.481		
15,800.00	7,053.41	15,438.89	6,929.75	250.25	240.47	-86.74	-1,485.18	-7,831.30	2,169.08	1,679.14	489.94	4.427		
15,846.35	7,053.00	15,485.23	6,928.78	251.55	241.78	-86.72	-1,486.33	-7,877.62	2,168.43	1,675.89	492.54	4.403 SF		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-101.09	-867.73	-4,424.90	4,509.18					
100.00	100.00	110.00	110.00	3.28	3.89	-101.09	-867.73	-4,424.90	4,509.18	4,502.01	7.18	628.331		
200.00	200.00	210.00	210.00	3.34	6.48	-101.09	-867.73	-4,424.90	4,509.18	4,499.37	9.81	459.442		
300.00	299.98	309.98	309.98	3.44	9.65	-145.61	-867.73	-4,424.90	4,510.62	4,497.53	13.09	344.458		
400.00	399.84	409.84	409.84	3.61	12.98	-145.60	-867.73	-4,424.90	4,514.94	4,498.36	16.59	272.200		
500.00	499.45	509.45	509.45	3.81	16.37	-145.58	-867.73	-4,424.90	4,522.14	4,501.96	20.18	224.082		
600.00	598.70	608.70	608.70	4.06	19.78	-145.55	-867.73	-4,424.90	4,532.22	4,508.39	23.83	190.162		
700.00	697.47	707.47	707.47	4.35	23.19	-145.52	-867.73	-4,424.90	4,545.17	4,517.65	27.52	165.148		
800.00	795.62	805.62	805.62	4.66	26.58	-145.47	-867.73	-4,424.90	4,560.98	4,529.75	31.23	146.043		
817.50	812.73	822.73	822.73	4.73	27.17	-145.46	-867.73	-4,424.90	4,564.05	4,532.16	31.88	143.146		
900.00	893.32	903.32	903.32	5.01	29.97	-145.59	-867.73	-4,424.90	4,578.70	4,543.75	34.95	130.995		
1,000.00	991.01	1,001.01	1,001.01	5.38	33.36	-145.73	-867.73	-4,424.90	4,596.49	4,557.79	38.70	118.782		
1,100.00	1,088.69	1,101.31	1,098.69	5.77	36.85	-145.88	-867.73	-4,424.90	4,614.31	4,571.76	42.55	108.439		
1,200.00	1,186.38	1,203.62	1,196.38	6.18	40.41	-146.03	-867.73	-4,424.90	4,632.16	4,585.67	46.49	99.628		
1,300.00	1,284.06	1,305.94	1,294.06	6.60	43.97	-146.18	-867.73	-4,424.90	4,650.04	4,599.59	50.45	92.170		
1,400.00	1,381.75	1,408.25	1,391.75	7.03	47.53	-146.32	-867.73	-4,424.90	4,667.95	4,613.54	54.42	85.780		
1,500.00	1,479.44	1,489.44	1,489.44	7.47	50.36	-146.47	-867.73	-4,424.90	4,685.89	4,628.23	57.66	81.269		
1,600.00	1,577.12	1,587.12	1,587.12	7.91	53.76	-146.61	-867.73	-4,424.90	4,703.86	4,642.38	61.48	76.508		
1,700.00	1,674.81	1,684.81	1,684.81	8.37	57.17	-146.75	-867.73	-4,424.90	4,721.86	4,656.55	65.31	72.298		
1,800.00	1,772.49	1,782.49	1,782.49	8.82	60.57	-146.89	-867.73	-4,424.90	4,739.88	4,670.74	69.15	68.548		
1,900.00	1,870.18	1,880.18	1,880.18	9.28	63.98	-147.03	-867.73	-4,424.90	4,757.94	4,684.95	72.99	65.190		
2,000.00	1,967.87	1,977.87	1,977.87	9.75	67.38	-147.17	-867.73	-4,424.90	4,776.02	4,699.19	76.83	62.163		
2,100.00	2,065.55	2,075.55	2,075.55	10.22	70.79	-147.31	-867.73	-4,424.90	4,794.13	4,713.45	80.68	59.424		
2,200.00	2,163.24	2,173.24	2,173.24	10.69	74.19	-147.44	-867.73	-4,424.90	4,812.26	4,727.73	84.53	56.931		
2,300.00	2,260.92	2,270.92	2,270.92	11.16	77.60	-147.58	-867.73	-4,424.90	4,830.42	4,742.04	88.38	54.655		
2,400.00	2,358.61	2,368.61	2,368.61	11.64	81.01	-147.71	-867.73	-4,424.90	4,848.61	4,756.37	92.24	52.568		
2,500.00	2,456.30	2,466.30	2,466.30	12.12	84.42	-147.85	-867.73	-4,424.90	4,866.82	4,770.73	96.09	50.647		
2,600.00	2,553.98	2,563.98	2,563.98	12.59	87.82	-147.98	-867.73	-4,424.90	4,885.06	4,785.11	99.95	48.875		
2,700.00	2,651.67	2,661.67	2,661.67	13.08	91.23	-148.11	-867.73	-4,424.90	4,903.33	4,799.52	103.81	47.233		
2,800.00	2,749.35	2,759.35	2,759.35	13.56	94.64	-148.24	-867.73	-4,424.90	4,921.62	4,813.94	107.67	45.709		
2,900.00	2,847.04	2,857.04	2,857.04	14.04	98.05	-148.37	-867.73	-4,424.90	4,939.93	4,828.40	111.54	44.290		
3,000.00	2,944.72	2,954.72	2,954.72	14.52	101.46	-148.50	-867.73	-4,424.90	4,958.27	4,842.87	115.40	42.966		
3,100.00	3,042.41	3,052.41	3,052.41	15.01	104.87	-148.63	-867.73	-4,424.90	4,976.64	4,857.37	119.27	41.727		
3,200.00	3,140.10	3,150.10	3,150.10	15.50	108.27	-148.76	-867.73	-4,424.90	4,995.02	4,871.89	123.13	40.567		
3,300.00	3,237.78	3,247.78	3,247.78	15.98	111.68	-148.88	-867.73	-4,424.90	5,013.44	4,886.44	127.00	39.476		
3,400.00	3,335.47	3,345.47	3,345.47	16.47	115.09	-149.01	-867.73	-4,424.90	5,031.87	4,901.01	130.87	38.451		
3,500.00	3,433.15	3,443.15	3,443.15	16.96	118.50	-149.13	-867.73	-4,424.90	5,050.33	4,915.60	134.73	37.484		
3,600.00	3,530.84	3,540.84	3,540.84	17.45	121.91	-149.26	-867.73	-4,424.90	5,068.81	4,930.21	138.60	36.571		
3,700.00	3,628.53	3,638.53	3,638.53	17.94	125.32	-149.38	-867.73	-4,424.90	5,087.32	4,944.84	142.47	35.707		
3,800.00	3,726.21	3,736.21	3,736.21	18.43	128.73	-149.50	-867.73	-4,424.90	5,105.84	4,959.50	146.34	34.890		
3,900.00	3,823.90	3,833.90	3,833.90	18.92	132.14	-149.62	-867.73	-4,424.90	5,124.39	4,974.18	150.21	34.114		
4,000.00	3,921.58	3,931.58	3,931.58	19.41	135.55	-149.74	-867.73	-4,424.90	5,142.96	4,988.88	154.08	33.378		
4,100.00	4,019.27	4,029.27	4,029.27	19.90	138.96	-149.86	-867.73	-4,424.90	5,161.56	5,003.60	157.95	32.678		
4,200.00	4,116.96	4,126.96	4,126.96	20.39	142.36	-149.98	-867.73	-4,424.90	5,180.17	5,018.35	161.83	32.011		
4,300.00	4,214.64	4,224.64	4,224.64	20.88	145.77	-150.09	-867.73	-4,424.90	5,198.81	5,033.11	165.70	31.375		
4,400.00	4,312.33	4,322.33	4,322.33	21.37	149.18	-150.21	-867.73	-4,424.90	5,217.46	5,047.89	169.57	30.769		
4,500.00	4,410.01	4,420.01	4,420.01	21.87	152.59	-150.33	-867.73	-4,424.90	5,236.14	5,062.70	173.44	30.190		
4,600.00	4,507.70	4,517.70	4,517.70	22.36	156.00	-150.44	-867.73	-4,424.90	5,254.84	5,077.53	177.31	29.636		
4,700.00	4,605.39	4,615.39	4,615.39	22.85	159.41	-150.55	-867.73	-4,424.90	5,273.56	5,092.37	181.19	29.106		
4,800.00	4,703.07	4,713.07	4,713.07	23.35	162.82	-150.67	-867.73	-4,424.90	5,292.30	5,107.24	185.06	28.598		
4,900.00	4,800.76	4,810.76	4,810.76	23.84	166.23	-150.78	-867.73	-4,424.90	5,311.06	5,122.13	188.93	28.111		
5,000.00	4,898.44	4,908.44	4,908.44	24.33	169.64	-150.89	-867.73	-4,424.90	5,329.84	5,137.03	192.81	27.643		

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 32C-6-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 32C-6-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	4,996.13	5,006.13	5,006.13	24.83	173.05	-151.00	-867.73	-4,424.90	5,348.64	5,151.96	196.68	27.194		
5,200.00	5,093.82	5,103.82	5,103.82	25.32	176.46	-151.11	-867.73	-4,424.90	5,367.46	5,166.90	200.56	26.763		
5,300.00	5,191.50	5,201.50	5,201.50	25.82	179.87	-151.22	-867.73	-4,424.90	5,386.29	5,181.86	204.43	26.348		
5,400.00	5,289.19	5,300.81	5,299.19	26.31	183.34	-151.33	-867.73	-4,424.90	5,405.15	5,196.79	208.36	25.941		
5,500.00	5,386.87	5,403.13	5,396.87	26.81	186.91	-151.44	-867.73	-4,424.90	5,424.02	5,211.63	212.40	25.537		
5,600.00	5,484.56	5,505.44	5,494.56	27.30	190.48	-151.55	-867.73	-4,424.90	5,442.92	5,226.49	216.43	25.148		
5,700.00	5,582.25	5,607.76	5,592.25	27.80	194.05	-151.65	-867.73	-4,424.90	5,461.83	5,241.36	220.47	24.774		
5,800.00	5,679.93	5,689.93	5,689.93	28.29	196.92	-151.76	-867.73	-4,424.90	5,480.76	5,256.96	223.80	24.489		
5,900.00	5,777.62	5,787.62	5,787.62	28.79	200.33	-151.86	-867.73	-4,424.90	5,499.71	5,272.03	227.68	24.156		
6,000.00	5,875.30	5,885.30	5,885.30	29.28	203.74	-151.97	-867.73	-4,424.90	5,518.67	5,287.12	231.55	23.833		
6,100.00	5,972.99	5,982.99	5,982.99	29.78	207.15	-152.07	-867.73	-4,424.90	5,537.66	5,302.23	235.43	23.522		
6,200.00	6,070.67	6,080.67	6,080.67	30.27	210.56	-152.17	-867.73	-4,424.90	5,556.66	5,317.36	239.30	23.220		
6,300.00	6,168.36	6,178.36	6,178.36	30.77	213.97	-152.28	-867.73	-4,424.90	5,575.68	5,332.50	243.18	22.929		
6,400.00	6,266.05	6,276.05	6,276.05	31.26	217.38	-152.38	-867.73	-4,424.90	5,594.71	5,347.66	247.05	22.646		
6,500.00	6,363.73	6,373.73	6,373.73	31.76	220.79	-152.48	-867.73	-4,424.90	5,613.77	5,362.84	250.93	22.372		
6,534.50	6,397.43	6,407.43	6,407.43	31.93	221.96	-152.51	-867.73	-4,424.90	5,620.34	5,368.08	252.26	22.280		
6,550.00	6,412.60	6,422.60	6,422.60	32.01	222.49	-147.65	-867.73	-4,424.90	5,623.12	5,370.26	252.87	22.238		
6,600.00	6,461.82	6,471.82	6,471.82	32.24	224.21	-125.89	-867.73	-4,424.90	5,629.65	5,374.84	254.81	22.094		
6,650.00	6,511.25	6,521.25	6,521.25	32.45	225.94	-96.81	-867.73	-4,424.90	5,632.43	5,375.68	256.75	21.938		
6,700.00	6,560.58	6,570.58	6,570.58	32.64	227.66	-71.83	-867.73	-4,424.90	5,631.45	5,372.79	258.66	21.771		
6,750.00	6,609.51	6,619.51	6,619.51	32.83	229.37	-56.26	-867.73	-4,424.90	5,626.73	5,366.18	260.55	21.596		
6,800.00	6,657.74	6,667.74	6,667.74	33.01	231.05	-47.15	-867.73	-4,424.90	5,618.29	5,355.90	262.39	21.412		
6,850.00	6,704.97	6,714.97	6,714.97	33.18	232.70	-41.66	-867.73	-4,424.90	5,606.20	5,342.02	264.18	21.221		
6,900.00	6,750.90	6,760.90	6,760.90	33.36	234.30	-38.26	-867.73	-4,424.90	5,590.54	5,324.63	265.91	21.024		
6,950.00	6,795.26	6,805.26	6,805.26	33.54	235.85	-36.18	-867.73	-4,424.90	5,571.40	5,303.83	267.57	20.822		
7,000.00	6,837.77	6,847.77	6,847.77	33.73	237.33	-35.01	-867.73	-4,424.90	5,548.92	5,279.77	269.15	20.617		
7,050.00	6,878.17	6,888.17	6,888.17	33.92	238.74	-34.54	-867.73	-4,424.90	5,523.23	5,252.59	270.64	20.408		
7,100.00	6,916.21	6,926.21	6,926.21	34.13	240.07	-34.65	-867.73	-4,424.90	5,494.50	5,222.47	272.03	20.198		
7,150.00	6,951.66	6,961.66	6,961.66	34.36	241.31	-35.31	-867.73	-4,424.90	5,462.91	5,189.59	273.33	19.987		
7,200.00	6,984.29	7,005.71	6,994.29	34.61	242.85	-36.52	-867.73	-4,424.90	5,428.67	5,153.75	274.92	19.747		
7,250.00	7,013.91	7,023.91	7,023.91	34.89	243.48	-38.33	-867.73	-4,424.90	5,391.98	5,116.38	275.60	19.565		
7,300.00	7,040.34	7,050.34	7,050.34	35.20	244.40	-40.83	-867.73	-4,424.90	5,353.08	5,076.51	276.57	19.356		
7,350.00	7,063.40	7,073.40	7,073.40	35.55	245.21	-44.16	-867.73	-4,424.90	5,312.20	5,034.79	277.42	19.149		
7,400.00	7,082.97	7,107.03	7,092.97	35.94	246.38	-48.53	-867.73	-4,424.90	5,269.61	4,990.98	278.64	18.912		
7,450.00	7,098.91	7,108.91	7,108.91	36.36	246.45	-54.20	-867.73	-4,424.90	5,225.57	4,946.82	278.75	18.746		
7,500.00	7,111.13	7,121.13	7,121.13	36.83	246.88	-61.49	-867.73	-4,424.90	5,180.35	4,901.11	279.24	18.552		
7,550.00	7,119.55	7,129.55	7,129.55	37.34	247.17	-70.65	-867.73	-4,424.90	5,134.22	4,854.62	279.60	18.363		
7,600.00	7,124.13	7,134.13	7,134.13	37.88	247.33	-81.68	-867.73	-4,424.90	5,087.47	4,807.63	279.84	18.180		
7,639.68	7,125.00	7,135.00	7,135.00	38.33	247.36	-91.42	-867.73	-4,424.90	5,050.12	4,770.18	279.94	18.040		
7,700.00	7,124.48	7,134.48	7,134.48	39.05	247.34	-91.40	-867.73	-4,424.90	4,993.30	4,713.25	280.05	17.830		
7,800.00	7,123.60	7,133.60	7,133.60	40.40	247.31	-91.37	-867.73	-4,424.90	4,899.27	4,619.02	280.25	17.482		
7,900.00	7,122.72	7,132.72	7,132.72	41.90	247.28	-91.34	-867.73	-4,424.90	4,805.49	4,524.99	280.50	17.132		
8,000.00	7,121.84	7,131.84	7,131.84	43.54	247.25	-91.31	-867.73	-4,424.90	4,711.96	4,431.16	280.80	16.780		
8,100.00	7,120.97	7,130.97	7,130.97	45.30	247.22	-91.28	-867.73	-4,424.90	4,618.71	4,337.55	281.16	16.428		
8,200.00	7,120.09	7,130.09	7,130.09	47.17	247.19	-91.25	-867.73	-4,424.90	4,525.74	4,244.17	281.57	16.073		
8,300.00	7,119.21	7,129.21	7,129.21	49.13	247.16	-91.22	-867.73	-4,424.90	4,433.08	4,151.03	282.04	15.718		
8,400.00	7,118.33	7,128.33	7,128.33	51.18	247.13	-91.19	-867.73	-4,424.90	4,340.74	4,058.15	282.59	15.361		
8,500.00	7,117.46	7,127.46	7,127.46	53.30	247.10	-91.16	-867.73	-4,424.90	4,248.75	3,965.55	283.20	15.003		
8,600.00	7,116.58	7,126.58	7,126.58	55.48	247.07	-91.13	-867.73	-4,424.90	4,157.13	3,873.24	283.89	14.643		
8,700.00	7,115.70	7,125.70	7,125.70	57.72	247.04	-91.10	-867.73	-4,424.90	4,065.90	3,781.24	284.66	14.283		
8,800.00	7,114.82	7,124.82	7,124.82	60.02	247.00	-91.07	-867.73	-4,424.90	3,975.10	3,689.58	285.52	13.922		
8,900.00	7,113.95	7,123.95	7,123.95	62.36	246.97	-91.05	-867.73	-4,424.90	3,884.75	3,598.27	286.47	13.561		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
9,000.00	7,113.07	7,123.07	7,123.07	64.74	246.94	-91.02	-867.73	-4,424.90	3,794.88	3,507.36	287.52	13.199		
9,100.00	7,112.19	7,122.19	7,122.19	67.15	246.91	-90.99	-867.73	-4,424.90	3,705.53	3,416.86	288.68	12.836		
9,200.00	7,111.31	7,121.31	7,121.31	69.60	246.88	-90.96	-867.73	-4,424.90	3,616.74	3,326.80	289.94	12.474		
9,300.00	7,110.44	7,120.44	7,120.44	72.08	246.85	-90.93	-867.73	-4,424.90	3,528.55	3,237.24	291.31	12.113		
9,400.00	7,109.56	7,119.56	7,119.56	74.58	246.82	-90.90	-867.73	-4,424.90	3,441.00	3,148.19	292.81	11.752		
9,500.00	7,108.68	7,118.68	7,118.68	77.10	246.79	-90.87	-867.73	-4,424.90	3,354.15	3,059.72	294.43	11.392		
9,600.00	7,107.81	7,117.81	7,117.81	79.65	246.76	-90.84	-867.73	-4,424.90	3,268.05	2,971.86	296.19	11.034		
9,700.00	7,106.93	7,116.93	7,116.93	82.22	246.73	-90.81	-867.73	-4,424.90	3,182.77	2,884.68	298.08	10.677		
9,800.00	7,106.05	7,116.05	7,116.05	84.80	246.70	-90.78	-867.73	-4,424.90	3,098.36	2,798.23	300.13	10.323		
9,900.00	7,105.17	7,115.17	7,115.17	87.40	246.67	-90.75	-867.73	-4,424.90	3,014.91	2,712.58	302.33	9.972		
10,000.00	7,104.30	7,114.30	7,114.30	90.02	246.64	-90.72	-867.73	-4,424.90	2,932.49	2,627.80	304.69	9.625		
10,100.00	7,103.42	7,113.42	7,113.42	92.64	246.61	-90.69	-867.73	-4,424.90	2,851.20	2,543.98	307.22	9.281		
10,200.00	7,102.54	7,112.54	7,112.54	95.28	246.58	-90.66	-867.73	-4,424.90	2,771.13	2,461.21	309.92	8.941		
10,300.00	7,101.66	7,111.66	7,111.66	97.94	246.54	-90.63	-867.73	-4,424.90	2,692.39	2,379.59	312.80	8.607		
10,400.00	7,100.79	7,110.79	7,110.79	100.60	246.51	-90.60	-867.73	-4,424.90	2,615.11	2,299.23	315.88	8.279		
10,500.00	7,099.91	7,109.91	7,109.91	103.27	246.48	-90.57	-867.73	-4,424.90	2,539.41	2,220.27	319.15	7.957		
10,600.00	7,099.03	7,109.03	7,109.03	105.95	246.45	-90.54	-867.73	-4,424.90	2,465.45	2,142.84	322.61	7.642		
10,700.00	7,098.15	7,108.15	7,108.15	108.64	246.42	-90.51	-867.73	-4,424.90	2,393.38	2,067.10	326.28	7.335		
10,800.00	7,097.28	7,107.28	7,107.28	111.33	246.39	-90.48	-867.73	-4,424.90	2,323.38	1,993.23	330.15	7.037		
10,900.00	7,096.40	7,106.40	7,106.40	114.04	246.36	-90.45	-867.73	-4,424.90	2,255.64	1,921.42	334.22	6.749		
11,000.00	7,095.52	7,105.52	7,105.52	116.74	246.33	-90.42	-867.73	-4,424.90	2,190.37	1,851.88	338.49	6.471		
11,100.00	7,094.64	7,104.64	7,104.64	119.46	246.30	-90.39	-867.73	-4,424.90	2,127.80	1,784.86	342.94	6.205		
11,200.00	7,093.77	7,103.77	7,103.77	122.18	246.27	-90.36	-867.73	-4,424.90	2,068.17	1,720.62	347.56	5.951		
11,300.00	7,092.89	7,102.89	7,102.89	124.91	246.24	-90.33	-867.73	-4,424.90	2,011.76	1,659.43	352.33	5.710		
11,400.00	7,092.01	7,102.01	7,102.01	127.64	246.21	-90.30	-867.73	-4,424.90	1,958.82	1,601.60	357.22	5.484		
11,500.00	7,091.13	7,101.13	7,101.13	130.38	246.18	-90.27	-867.73	-4,424.90	1,909.65	1,547.46	362.19	5.273		
11,600.00	7,090.26	7,100.26	7,100.26	133.12	246.15	-90.24	-867.73	-4,424.90	1,864.56	1,497.36	367.20	5.078		
11,700.00	7,089.38	7,100.62	7,099.38	135.86	246.16	-90.21	-867.73	-4,424.90	1,823.84	1,451.60	372.24	4.900		
11,800.00	7,088.50	7,101.50	7,098.50	138.61	246.19	-90.18	-867.73	-4,424.90	1,787.79	1,410.57	377.22	4.739		
11,900.00	7,087.63	7,102.38	7,097.63	141.36	246.22	-90.15	-867.73	-4,424.90	1,756.70	1,374.65	382.05	4.598		
12,000.00	7,086.75	7,103.25	7,096.75	144.12	246.25	-90.12	-867.73	-4,424.90	1,730.84	1,344.17	386.67	4.476		
12,100.00	7,085.87	7,104.13	7,095.87	146.88	246.28	-90.09	-867.73	-4,424.90	1,710.44	1,319.44	390.99	4.375		
12,200.00	7,084.99	7,105.01	7,094.99	149.64	246.31	-90.06	-867.73	-4,424.90	1,695.70	1,300.74	394.95	4.293		
12,300.00	7,084.12	7,105.88	7,094.12	152.40	246.34	-90.03	-867.73	-4,424.90	1,686.77	1,288.28	398.49	4.233		
12,400.00	7,083.24	7,106.76	7,093.24	155.17	246.37	-90.00	-867.73	-4,424.90	1,683.74	1,282.19	401.54	4.193		
12,401.03	7,083.23	7,106.77	7,093.23	155.20	246.37	-90.00	-867.73	-4,424.90	1,683.74	1,282.17	401.57	4.193 CC, ES		
12,500.00	7,082.36	7,107.64	7,092.36	157.94	246.40	-89.97	-867.73	-4,424.90	1,686.64	1,282.56	404.08	4.174 SF		
12,600.00	7,081.48	7,108.52	7,091.48	160.71	246.44	-89.94	-867.73	-4,424.90	1,695.45	1,289.37	406.08	4.175		
12,700.00	7,080.61	7,109.39	7,090.61	163.49	246.47	-89.91	-867.73	-4,424.90	1,710.07	1,302.54	407.53	4.196		
12,800.00	7,079.73	7,089.73	7,089.73	166.27	245.78	-89.88	-867.73	-4,424.90	1,730.36	1,322.62	407.73	4.244		
12,900.00	7,078.85	7,088.85	7,088.85	169.04	245.75	-89.85	-867.73	-4,424.90	1,756.11	1,348.02	408.09	4.303		
13,000.00	7,077.97	7,087.97	7,087.97	171.83	245.72	-89.82	-867.73	-4,424.90	1,787.09	1,379.12	407.97	4.380		
13,100.00	7,077.10	7,087.10	7,087.10	174.61	245.69	-89.79	-867.73	-4,424.90	1,823.04	1,415.60	407.44	4.474		
13,200.00	7,076.22	7,086.22	7,086.22	177.39	245.66	-89.76	-867.73	-4,424.90	1,863.67	1,457.13	406.54	4.584		
13,300.00	7,075.34	7,085.34	7,085.34	180.18	245.63	-89.73	-867.73	-4,424.90	1,908.68	1,503.35	405.33	4.709		
13,400.00	7,074.46	7,084.46	7,084.46	182.97	245.60	-89.70	-867.73	-4,424.90	1,957.76	1,553.90	403.86	4.848		
13,500.00	7,073.59	7,083.59	7,083.59	185.76	245.56	-89.67	-867.73	-4,424.90	2,010.62	1,608.44	402.18	4.999		
13,600.00	7,072.71	7,082.71	7,082.71	188.55	245.53	-89.64	-867.73	-4,424.90	2,066.97	1,666.63	400.34	5.163		
13,700.00	7,071.83	7,081.83	7,081.83	191.34	245.50	-89.61	-867.73	-4,424.90	2,126.54	1,728.16	398.38	5.338		
13,800.00	7,070.95	7,080.95	7,080.95	194.14	245.47	-89.58	-867.73	-4,424.90	2,189.05	1,792.72	396.33	5.523		
13,900.00	7,070.08	7,080.08	7,080.08	196.93	245.44	-89.55	-867.73	-4,424.90	2,254.26	1,860.04	394.23	5.718		
14,000.00	7,069.20	7,079.20	7,079.20	199.73	245.41	-89.52	-867.73	-4,424.90	2,321.95	1,929.86	392.10	5.922		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,100.00	7,068.32	7,078.32	7,078.32	202.53	245.38	-89.49	-867.73	-4,424.90	2,391.91	2,001.95	389.96	6.134		
14,200.00	7,067.45	7,077.45	7,077.45	205.33	245.35	-89.46	-867.73	-4,424.90	2,463.94	2,076.11	387.83	6.353		
14,300.00	7,066.57	7,076.57	7,076.57	208.13	245.32	-89.43	-867.73	-4,424.90	2,537.87	2,152.14	385.73	6.579		
14,400.00	7,065.69	7,075.69	7,075.69	210.93	245.29	-89.40	-867.73	-4,424.90	2,613.53	2,229.87	383.66	6.812		
14,500.00	7,064.81	7,074.81	7,074.81	213.73	245.26	-89.37	-867.73	-4,424.90	2,690.78	2,309.15	381.63	7.051		
14,600.00	7,063.94	7,073.94	7,073.94	216.54	245.23	-89.34	-867.73	-4,424.90	2,769.49	2,389.83	379.65	7.295		
14,700.00	7,063.06	7,073.06	7,073.06	219.34	245.20	-89.31	-867.73	-4,424.90	2,849.53	2,471.80	377.73	7.544		
14,800.00	7,062.18	7,072.18	7,072.18	222.15	245.17	-89.28	-867.73	-4,424.90	2,930.80	2,554.93	375.86	7.798		
14,900.00	7,061.30	7,071.30	7,071.30	224.95	245.14	-89.25	-867.73	-4,424.90	3,013.19	2,639.14	374.05	8.056		
15,000.00	7,060.43	7,070.43	7,070.43	227.76	245.11	-89.22	-867.73	-4,424.90	3,096.62	2,724.32	372.30	8.317		
15,100.00	7,059.55	7,069.55	7,069.55	230.57	245.07	-89.19	-867.73	-4,424.90	3,181.01	2,810.40	370.61	8.583		
15,200.00	7,058.67	7,068.67	7,068.67	233.38	245.04	-89.16	-867.73	-4,424.90	3,266.28	2,897.30	368.98	8.852		
15,300.00	7,057.79	7,067.79	7,067.79	236.19	245.01	-89.13	-867.73	-4,424.90	3,352.36	2,984.96	367.41	9.124		
15,400.00	7,056.92	7,066.92	7,066.92	239.00	244.98	-89.10	-867.73	-4,424.90	3,439.20	3,073.31	365.89	9.400		
15,500.00	7,056.04	7,066.04	7,066.04	241.81	244.95	-89.07	-867.73	-4,424.90	3,526.73	3,162.30	364.43	9.677		
15,600.00	7,055.16	7,065.16	7,065.16	244.62	244.92	-89.05	-867.73	-4,424.90	3,614.91	3,251.89	363.02	9.958		
15,700.00	7,054.28	7,064.28	7,064.28	247.43	244.89	-89.02	-867.73	-4,424.90	3,703.69	3,342.03	361.66	10.241		
15,800.00	7,053.41	7,063.41	7,063.41	250.25	244.86	-88.99	-867.73	-4,424.90	3,793.03	3,432.67	360.36	10.526		
15,846.35	7,053.00	7,063.00	7,063.00	251.55	244.85	-88.97	-867.73	-4,424.90	3,834.61	3,474.84	359.77	10.659		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 - FRAKER J #6-2 - OH - OH		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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.00	0.00	0.00	0.00	3.28	0.00	-85.85	308.93	-4,254.89	4,266.22							
100.00	100.00	66.00	66.00	3.28	1.15	-85.85	308.93	-4,254.89	4,266.09	4,261.65	4.44	961.522				
200.00	200.00	166.00	166.00	3.34	4.05	-85.85	308.93	-4,254.89	4,266.09	4,258.70	7.39	577.545				
300.00	299.98	265.98	265.98	3.44	7.54	-130.37	308.93	-4,254.89	4,267.22	4,256.24	10.98	388.490				
400.00	399.84	365.84	365.84	3.61	11.03	-130.37	308.93	-4,254.89	4,270.61	4,255.98	14.63	291.939				
500.00	499.45	465.45	465.45	3.81	14.50	-130.37	308.93	-4,254.89	4,276.27	4,257.96	18.31	233.545				
600.00	598.70	564.70	564.70	4.06	17.97	-130.37	308.93	-4,254.89	4,284.20	4,262.18	22.02	194.560				
700.00	697.47	663.47	663.47	4.35	21.42	-130.38	308.93	-4,254.89	4,294.41	4,268.66	25.75	166.782				
800.00	795.62	761.62	761.62	4.66	24.84	-130.38	308.93	-4,254.89	4,306.90	4,277.41	29.49	146.054				
817.50	812.73	778.73	778.73	4.73	25.44	-130.38	308.93	-4,254.89	4,309.32	4,279.18	30.15	142.951				
900.00	893.32	859.32	859.32	5.01	28.25	-130.55	308.93	-4,254.89	4,320.93	4,287.69	33.24	129.999				
1,000.00	991.01	957.01	957.01	5.38	31.66	-130.76	308.93	-4,254.89	4,335.05	4,298.04	37.01	117.143				
1,100.00	1,088.69	1,054.69	1,054.69	5.77	35.07	-130.97	308.93	-4,254.89	4,349.23	4,308.44	40.79	106.618				
1,200.00	1,186.38	1,152.38	1,152.38	6.18	38.48	-131.18	308.93	-4,254.89	4,363.47	4,318.88	44.59	97.850				
1,300.00	1,284.06	1,250.06	1,250.06	6.60	41.89	-131.39	308.93	-4,254.89	4,377.77	4,329.36	48.41	90.438				
1,400.00	1,381.75	1,347.75	1,347.75	7.03	45.30	-131.60	308.93	-4,254.89	4,392.13	4,339.90	52.23	84.094				
1,500.00	1,479.44	1,445.44	1,445.44	7.47	48.71	-131.80	308.93	-4,254.89	4,406.54	4,350.48	56.06	78.605				
1,600.00	1,577.12	1,543.12	1,543.12	7.91	52.12	-132.01	308.93	-4,254.89	4,421.01	4,361.11	59.90	73.810				
1,700.00	1,674.81	1,640.81	1,640.81	8.37	55.54	-132.21	308.93	-4,254.89	4,435.54	4,371.80	63.74	69.588				
1,800.00	1,772.49	1,738.49	1,738.49	8.82	58.95	-132.41	308.93	-4,254.89	4,450.12	4,382.53	67.59	65.842				
1,900.00	1,870.18	1,836.18	1,836.18	9.28	62.36	-132.61	308.93	-4,254.89	4,464.75	4,393.31	71.44	62.497				
2,000.00	1,967.87	1,933.87	1,933.87	9.75	65.77	-132.81	308.93	-4,254.89	4,479.44	4,404.15	75.29	59.492				
2,100.00	2,065.55	2,031.55	2,031.55	10.22	69.18	-133.01	308.93	-4,254.89	4,494.19	4,415.03	79.15	56.779				
2,200.00	2,163.24	2,129.24	2,129.24	10.69	72.59	-133.20	308.93	-4,254.89	4,508.98	4,425.97	83.01	54.317				
2,300.00	2,260.92	2,226.92	2,226.92	11.16	76.00	-133.40	308.93	-4,254.89	4,523.83	4,436.96	86.88	52.072				
2,400.00	2,358.61	2,324.61	2,324.61	11.64	79.41	-133.59	308.93	-4,254.89	4,538.74	4,448.00	90.74	50.019				
2,500.00	2,456.30	2,422.30	2,422.30	12.12	82.82	-133.79	308.93	-4,254.89	4,553.69	4,459.08	94.61	48.133				
2,600.00	2,553.98	2,519.98	2,519.98	12.59	86.23	-133.98	308.93	-4,254.89	4,568.70	4,470.22	98.48	46.394				
2,700.00	2,651.67	2,617.67	2,617.67	13.08	89.64	-134.17	308.93	-4,254.89	4,583.75	4,481.41	102.34	44.788				
2,800.00	2,749.35	2,715.35	2,715.35	13.56	93.05	-134.36	308.93	-4,254.89	4,598.86	4,492.64	106.21	43.298				
2,900.00	2,847.04	2,813.04	2,813.04	14.04	96.46	-134.54	308.93	-4,254.89	4,614.01	4,503.93	110.09	41.913				
3,000.00	2,944.72	2,910.72	2,910.72	14.52	99.87	-134.73	308.93	-4,254.89	4,629.22	4,515.26	113.96	40.622				
3,100.00	3,042.41	3,008.41	3,008.41	15.01	103.28	-134.92	308.93	-4,254.89	4,644.47	4,526.64	117.83	39.416				
3,200.00	3,140.10	3,106.10	3,106.10	15.50	106.69	-135.10	308.93	-4,254.89	4,659.77	4,538.07	121.70	38.288				
3,300.00	3,237.78	3,203.78	3,203.78	15.98	110.10	-135.28	308.93	-4,254.89	4,675.12	4,549.54	125.58	37.229				
3,400.00	3,335.47	3,301.47	3,301.47	16.47	113.51	-135.46	308.93	-4,254.89	4,690.52	4,561.07	129.45	36.233				
3,500.00	3,433.15	3,400.85	3,399.15	16.96	116.98	-135.64	308.93	-4,254.89	4,705.96	4,572.57	133.39	35.280				
3,600.00	3,530.84	3,503.16	3,496.84	17.45	120.55	-135.82	308.93	-4,254.89	4,721.45	4,584.03	137.43	34.356				
3,700.00	3,628.53	3,605.47	3,594.53	17.94	124.12	-136.00	308.93	-4,254.89	4,736.99	4,595.53	141.46	33.486				
3,800.00	3,726.21	3,707.79	3,692.21	18.43	127.69	-136.18	308.93	-4,254.89	4,752.57	4,607.07	145.50	32.663				
3,900.00	3,823.90	3,789.90	3,789.90	18.92	130.56	-136.36	308.93	-4,254.89	4,768.20	4,619.36	148.83	32.037				
4,000.00	3,921.58	3,887.58	3,887.58	19.41	133.97	-136.53	308.93	-4,254.89	4,783.87	4,631.16	152.71	31.326				
4,100.00	4,019.27	3,985.27	3,985.27	19.90	137.38	-136.70	308.93	-4,254.89	4,799.58	4,642.99	156.59	30.651				
4,200.00	4,116.96	4,082.96	4,082.96	20.39	140.79	-136.88	308.93	-4,254.89	4,815.34	4,654.88	160.47	30.008				
4,300.00	4,214.64	4,180.64	4,180.64	20.88	144.20	-137.05	308.93	-4,254.89	4,831.14	4,666.80	164.34	29.397				
4,400.00	4,312.33	4,278.33	4,278.33	21.37	147.61	-137.22	308.93	-4,254.89	4,846.99	4,678.77	168.22	28.813				
4,500.00	4,410.01	4,376.01	4,376.01	21.87	151.02	-137.39	308.93	-4,254.89	4,862.88	4,690.78	172.10	28.256				
4,600.00	4,507.70	4,473.70	4,473.70	22.36	154.43	-137.56	308.93	-4,254.89	4,878.81	4,702.83	175.98	27.724				
4,700.00	4,605.39	4,571.39	4,571.39	22.85	157.84	-137.72	308.93	-4,254.89	4,894.78	4,714.92	179.86	27.215				
4,800.00	4,703.07	4,669.07	4,669.07	23.35	161.25	-137.89	308.93	-4,254.89	4,910.79	4,727.05	183.73	26.728				
4,900.00	4,800.76	4,766.76	4,766.76	23.84	164.66	-138.05	308.93	-4,254.89	4,926.84	4,739.23	187.61	26.261				
5,000.00	4,898.44	4,864.44	4,864.44	24.33	168.07	-138.22	308.93	-4,254.89	4,942.94	4,751.44	191.49	25.813				

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,962.13	4,962.13	24.83	171.48	-138.38	308.93	-4,254.89	4,959.07	4,763.70	195.37	25.383		
5,200.00	5,093.82	5,059.82	5,059.82	25.32	174.89	-138.54	308.93	-4,254.89	4,975.24	4,775.99	199.25	24.970		
5,300.00	5,191.50	5,157.50	5,157.50	25.82	178.30	-138.70	308.93	-4,254.89	4,991.46	4,788.33	203.13	24.573		
5,400.00	5,289.19	5,255.19	5,255.19	26.31	181.71	-138.86	308.93	-4,254.89	5,007.71	4,800.70	207.01	24.191		
5,500.00	5,386.87	5,352.87	5,352.87	26.81	185.12	-139.02	308.93	-4,254.89	5,024.00	4,813.11	210.89	23.823		
5,600.00	5,484.56	5,450.56	5,450.56	27.30	188.53	-139.18	308.93	-4,254.89	5,040.32	4,825.56	214.76	23.469		
5,700.00	5,582.25	5,548.25	5,548.25	27.80	191.94	-139.34	308.93	-4,254.89	5,056.69	4,838.05	218.64	23.128		
5,800.00	5,679.93	5,645.93	5,645.93	28.29	195.35	-139.49	308.93	-4,254.89	5,073.09	4,850.57	222.52	22.798		
5,900.00	5,777.62	5,743.62	5,743.62	28.79	198.76	-139.65	308.93	-4,254.89	5,089.53	4,863.13	226.40	22.480		
6,000.00	5,875.30	5,841.30	5,841.30	29.28	202.17	-139.80	308.93	-4,254.89	5,106.01	4,875.73	230.28	22.173		
6,100.00	5,972.99	5,938.99	5,938.99	29.78	205.59	-139.96	308.93	-4,254.89	5,122.52	4,888.36	234.16	21.876		
6,200.00	6,070.67	6,036.67	6,036.67	30.27	209.00	-140.11	308.93	-4,254.89	5,139.07	4,901.03	238.04	21.589		
6,300.00	6,168.36	6,134.36	6,134.36	30.77	212.41	-140.26	308.93	-4,254.89	5,155.66	4,913.74	241.92	21.312		
6,400.00	6,266.05	6,232.05	6,232.05	31.26	215.82	-140.41	308.93	-4,254.89	5,172.28	4,926.48	245.80	21.043		
6,500.00	6,363.73	6,329.73	6,329.73	31.76	219.23	-140.56	308.93	-4,254.89	5,188.93	4,939.26	249.68	20.783		
6,534.50	6,397.43	6,363.43	6,363.43	31.93	220.40	-140.61	308.93	-4,254.89	5,194.68	4,943.67	251.01	20.695		
6,550.00	6,412.60	6,378.60	6,378.60	32.01	220.93	-135.81	308.93	-4,254.89	5,197.09	4,945.47	251.62	20.655		
6,600.00	6,461.82	6,427.82	6,427.82	32.24	222.65	-114.20	308.93	-4,254.89	5,202.29	4,948.73	253.56	20.517		
6,650.00	6,511.25	6,477.25	6,477.25	32.45	224.38	-85.19	308.93	-4,254.89	5,203.60	4,948.11	255.50	20.367		
6,700.00	6,560.58	6,526.58	6,526.58	32.64	226.10	-60.20	308.93	-4,254.89	5,201.02	4,943.60	257.41	20.205		
6,750.00	6,609.51	6,575.51	6,575.51	32.83	227.81	-44.56	308.93	-4,254.89	5,194.55	4,935.25	259.29	20.033		
6,800.00	6,657.74	6,623.74	6,623.74	33.01	229.49	-35.30	308.93	-4,254.89	5,184.23	4,923.10	261.13	19.853		
6,850.00	6,704.97	6,670.97	6,670.97	33.18	231.14	-29.58	308.93	-4,254.89	5,170.14	4,907.22	262.92	19.664		
6,900.00	6,750.90	6,716.90	6,716.90	33.36	232.74	-25.86	308.93	-4,254.89	5,152.36	4,887.71	264.64	19.469		
6,950.00	6,795.26	6,761.26	6,761.26	33.54	234.29	-23.37	308.93	-4,254.89	5,130.99	4,864.70	266.30	19.268		
7,000.00	6,837.77	6,803.77	6,803.77	33.73	235.77	-21.69	308.93	-4,254.89	5,106.18	4,838.32	267.87	19.062		
7,050.00	6,878.17	6,844.17	6,844.17	33.92	237.18	-20.59	308.93	-4,254.89	5,078.08	4,808.73	269.35	18.853		
7,100.00	6,916.21	6,882.21	6,882.21	34.13	238.51	-19.94	308.93	-4,254.89	5,046.86	4,776.12	270.74	18.641		
7,150.00	6,951.66	6,917.66	6,917.66	34.36	239.75	-19.68	308.93	-4,254.89	5,012.70	4,740.68	272.02	18.428		
7,200.00	6,984.29	6,950.29	6,950.29	34.61	240.89	-19.78	308.93	-4,254.89	4,975.83	4,702.64	273.19	18.214		
7,250.00	7,013.91	6,979.91	6,979.91	34.89	241.92	-20.26	308.93	-4,254.89	4,936.47	4,662.22	274.25	18.000		
7,300.00	7,040.34	7,006.34	7,006.34	35.20	242.85	-21.18	308.93	-4,254.89	4,894.85	4,619.67	275.19	17.787		
7,350.00	7,063.40	7,029.40	7,029.40	35.55	243.65	-22.69	308.93	-4,254.89	4,851.25	4,575.24	276.00	17.577		
7,400.00	7,082.97	7,048.97	7,048.97	35.94	244.33	-25.02	308.93	-4,254.89	4,805.91	4,529.22	276.69	17.369		
7,450.00	7,098.91	7,064.91	7,064.91	36.36	244.89	-28.67	308.93	-4,254.89	4,759.13	4,481.88	277.25	17.166		
7,500.00	7,111.13	7,077.13	7,077.13	36.83	245.32	-34.68	308.93	-4,254.89	4,711.18	4,433.51	277.67	16.967		
7,550.00	7,119.55	7,085.55	7,085.55	37.34	245.61	-45.45	308.93	-4,254.89	4,662.37	4,384.40	277.97	16.773		
7,600.00	7,124.13	7,109.87	7,109.87	37.88	246.46	-66.52	308.93	-4,254.89	4,612.99	4,334.16	278.83	16.544		
7,639.68	7,125.00	7,109.00	7,109.00	38.33	246.43	-94.43	308.93	-4,254.89	4,573.60	4,294.79	278.80	16.404		
7,700.00	7,124.48	7,109.52	7,109.52	39.05	246.45	-94.37	308.93	-4,254.89	4,513.67	4,234.83	278.84	16.187		
7,800.00	7,123.60	7,089.60	7,089.60	40.40	245.75	-94.27	308.93	-4,254.89	4,414.34	4,136.17	278.17	15.869		
7,900.00	7,122.72	7,088.72	7,088.72	41.90	245.72	-94.18	308.93	-4,254.89	4,315.04	4,036.86	278.18	15.512		
8,000.00	7,121.84	7,087.84	7,087.84	43.54	245.69	-94.08	308.93	-4,254.89	4,215.77	3,937.58	278.20	15.154		
8,100.00	7,120.97	7,086.97	7,086.97	45.30	245.66	-93.98	308.93	-4,254.89	4,116.55	3,838.33	278.22	14.796		
8,200.00	7,120.09	7,086.09	7,086.09	47.17	245.63	-93.88	308.93	-4,254.89	4,017.35	3,739.10	278.25	14.438		
8,300.00	7,119.21	7,085.21	7,085.21	49.13	245.60	-93.79	308.93	-4,254.89	3,918.20	3,639.91	278.30	14.079		
8,400.00	7,118.33	7,084.33	7,084.33	51.18	245.57	-93.69	308.93	-4,254.89	3,819.10	3,540.74	278.35	13.720		
8,500.00	7,117.46	7,083.46	7,083.46	53.30	245.54	-93.59	308.93	-4,254.89	3,720.04	3,441.61	278.42	13.361		
8,600.00	7,116.58	7,082.58	7,082.58	55.48	245.51	-93.50	308.93	-4,254.89	3,621.03	3,342.52	278.51	13.002		
8,700.00	7,115.70	7,081.70	7,081.70	57.72	245.48	-93.40	308.93	-4,254.89	3,522.08	3,243.47	278.61	12.642		
8,800.00	7,114.82	7,080.82	7,080.82	60.02	245.45	-93.30	308.93	-4,254.89	3,423.19	3,144.46	278.72	12.282		
8,900.00	7,113.95	7,079.95	7,079.95	62.36	245.42	-93.20	308.93	-4,254.89	3,324.36	3,045.50	278.86	11.921		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 - FRAKER J #6-2 - OH - OH		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	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	7,113.07	7,079.07	7,079.07	64.74	245.39	-93.11	308.93	-4,254.89	3,225.61	2,946.58	279.03	11.560				
9,100.00	7,112.19	7,078.19	7,078.19	67.15	245.35	-93.01	308.93	-4,254.89	3,126.93	2,847.71	279.22	11.199				
9,200.00	7,111.31	7,077.31	7,077.31	69.60	245.32	-92.91	308.93	-4,254.89	3,028.35	2,748.91	279.44	10.837				
9,300.00	7,110.44	7,076.44	7,076.44	72.08	245.29	-92.81	308.93	-4,254.89	2,929.85	2,650.16	279.70	10.475				
9,400.00	7,109.56	7,075.56	7,075.56	74.58	245.26	-92.72	308.93	-4,254.89	2,831.47	2,551.48	279.99	10.113				
9,500.00	7,108.68	7,074.68	7,074.68	77.10	245.23	-92.62	308.93	-4,254.89	2,733.20	2,452.87	280.33	9.750				
9,600.00	7,107.81	7,073.81	7,073.81	79.65	245.20	-92.52	308.93	-4,254.89	2,635.06	2,354.33	280.73	9.387				
9,700.00	7,106.93	7,072.93	7,072.93	82.22	245.17	-92.42	308.93	-4,254.89	2,537.07	2,255.89	281.18	9.023				
9,800.00	7,106.05	7,072.05	7,072.05	84.80	245.14	-92.33	308.93	-4,254.89	2,439.23	2,157.53	281.70	8.659				
9,900.00	7,105.17	7,071.17	7,071.17	87.40	245.11	-92.23	308.93	-4,254.89	2,341.58	2,059.28	282.30	8.295				
10,000.00	7,104.30	7,070.30	7,070.30	90.02	245.08	-92.13	308.93	-4,254.89	2,244.14	1,961.14	283.00	7.930				
10,100.00	7,103.42	7,069.42	7,069.42	92.64	245.05	-92.03	308.93	-4,254.89	2,146.94	1,863.14	283.80	7.565				
10,200.00	7,102.54	7,068.54	7,068.54	95.28	245.02	-91.94	308.93	-4,254.89	2,050.00	1,765.27	284.73	7.200				
10,300.00	7,101.66	7,067.66	7,067.66	97.94	244.99	-91.84	308.93	-4,254.89	1,953.37	1,667.57	285.80	6.835				
10,400.00	7,100.79	7,066.79	7,066.79	100.60	244.96	-91.74	308.93	-4,254.89	1,857.09	1,570.05	287.04	6.470				
10,500.00	7,099.91	7,065.91	7,065.91	103.27	244.93	-91.64	308.93	-4,254.89	1,761.23	1,472.74	288.49	6.105				
10,600.00	7,099.03	7,065.03	7,065.03	105.95	244.90	-91.55	308.93	-4,254.89	1,665.86	1,375.69	290.17	5.741				
10,700.00	7,098.15	7,064.15	7,064.15	108.64	244.86	-91.45	308.93	-4,254.89	1,571.06	1,278.92	292.13	5.378				
10,800.00	7,097.28	7,063.28	7,063.28	111.33	244.83	-91.35	308.93	-4,254.89	1,476.95	1,182.51	294.43	5.016				
10,900.00	7,096.40	7,062.40	7,062.40	114.04	244.80	-91.25	308.93	-4,254.89	1,383.66	1,086.53	297.13	4.657				
11,000.00	7,095.52	7,061.52	7,061.52	116.74	244.77	-91.16	308.93	-4,254.89	1,291.38	991.07	300.31	4.300				
11,100.00	7,094.64	7,060.64	7,060.64	119.46	244.74	-91.06	308.93	-4,254.89	1,200.33	896.27	304.06	3.948				
11,200.00	7,093.77	7,059.77	7,059.77	122.18	244.71	-90.96	308.93	-4,254.89	1,110.82	802.33	308.50	3.601				
11,300.00	7,092.89	7,058.89	7,058.89	124.91	244.68	-90.86	308.93	-4,254.89	1,023.26	709.51	313.76	3.261				
11,400.00	7,092.01	7,058.01	7,058.01	127.64	244.65	-90.77	308.93	-4,254.89	938.19	618.19	320.00	2.932				
11,500.00	7,091.13	7,057.13	7,057.13	130.38	244.62	-90.67	308.93	-4,254.89	856.35	528.96	327.39	2.616				
11,600.00	7,090.26	7,056.26	7,056.26	133.12	244.59	-90.57	308.93	-4,254.89	778.76	442.68	336.08	2.317				
11,700.00	7,089.38	7,055.38	7,055.38	135.86	244.56	-90.47	308.93	-4,254.89	706.82	360.70	346.13	2.042				
11,800.00	7,088.50	7,054.50	7,054.50	138.61	244.53	-90.38	308.93	-4,254.89	642.44	285.05	357.39	1.798				
11,900.00	7,087.63	7,053.63	7,053.63	141.36	244.50	-90.28	308.93	-4,254.89	588.09	218.79	369.30	1.592				
12,000.00	7,086.75	7,052.75	7,052.75	144.12	244.47	-90.18	308.93	-4,254.89	546.79	166.16	380.62	1.437	Level 3			
12,100.00	7,085.87	7,051.87	7,051.87	146.88	244.44	-90.08	308.93	-4,254.89	521.63	132.15	389.49	1.339	Level 3			
12,184.39	7,085.13	7,051.13	7,051.13	149.21	244.41	-90.00	308.93	-4,254.89	514.76	121.15	393.62	1.308	Level 3, CC			
12,200.00	7,084.99	7,050.99	7,050.99	149.64	244.41	-89.98	308.93	-4,254.89	515.00	121.02	393.98	1.307	Level 3, ES, SF			
12,300.00	7,084.12	7,050.12	7,050.12	152.40	244.37	-89.89	308.93	-4,254.89	527.58	134.34	393.25	1.342	Level 3			
12,400.00	7,083.24	7,049.24	7,049.24	155.17	244.34	-89.79	308.93	-4,254.89	558.09	170.05	388.04	1.438	Level 3			
12,500.00	7,082.36	7,048.36	7,048.36	157.94	244.31	-89.69	308.93	-4,254.89	603.81	223.72	380.09	1.589				
12,600.00	7,081.48	7,047.48	7,047.48	160.71	244.28	-89.59	308.93	-4,254.89	661.59	290.50	371.08	1.783				
12,700.00	7,080.61	7,046.61	7,046.61	163.49	244.25	-89.50	308.93	-4,254.89	728.57	366.39	362.18	2.012				
12,800.00	7,079.73	7,045.73	7,045.73	166.27	244.22	-89.40	308.93	-4,254.89	802.45	448.49	353.96	2.267				
12,900.00	7,078.85	7,044.85	7,044.85	169.04	244.19	-89.30	308.93	-4,254.89	881.50	534.86	346.64	2.543				
13,000.00	7,077.97	7,043.97	7,043.97	171.83	244.16	-89.20	308.93	-4,254.89	964.44	624.22	340.23	2.835				
13,100.00	7,077.10	7,043.10	7,043.10	174.61	244.13	-89.11	308.93	-4,254.89	1,050.36	715.70	334.66	3.139				
13,200.00	7,076.22	7,042.22	7,042.22	177.39	244.10	-89.01	308.93	-4,254.89	1,138.58	808.75	329.83	3.452				
13,300.00	7,075.34	7,041.34	7,041.34	180.18	244.07	-88.91	308.93	-4,254.89	1,228.60	902.96	325.64	3.773				
13,400.00	7,074.46	7,040.46	7,040.46	182.97	244.04	-88.81	308.93	-4,254.89	1,320.07	998.07	321.99	4.100				
13,500.00	7,073.59	7,039.59	7,039.59	185.76	244.01	-88.72	308.93	-4,254.89	1,412.68	1,093.88	318.80	4.431				
13,600.00	7,072.71	7,038.71	7,038.71	188.55	243.98	-88.62	308.93	-4,254.89	1,506.25	1,190.24	316.00	4.767				
13,700.00	7,071.83	7,037.83	7,037.83	191.34	243.95	-88.52	308.93	-4,254.89	1,600.59	1,287.05	313.53	5.105				
13,800.00	7,070.95	7,036.95	7,036.95	194.14	243.92	-88.42	308.93	-4,254.89	1,695.57	1,384.23	311.35	5.446				
13,900.00	7,070.08	7,036.08	7,036.08	196.93	243.88	-88.33	308.93	-4,254.89	1,791.11	1,481.71	309.40	5.789				
14,000.00	7,069.20	7,035.20	7,035.20	199.73	243.85	-88.23	308.93	-4,254.89	1,887.11	1,579.44	307.66	6.134				

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,100.00	7,068.32	7,034.32	7,034.32	202.53	243.82	-88.13	308.93	-4,254.89	1,983.50	1,677.39	306.10	6.480		
14,200.00	7,067.45	7,033.45	7,033.45	205.33	243.79	-88.03	308.93	-4,254.89	2,080.23	1,775.53	304.70	6.827		
14,300.00	7,066.57	7,032.57	7,032.57	208.13	243.76	-87.93	308.93	-4,254.89	2,177.26	1,873.82	303.43	7.175		
14,400.00	7,065.69	7,031.69	7,031.69	210.93	243.73	-87.84	308.93	-4,254.89	2,274.54	1,972.25	302.28	7.524		
14,500.00	7,064.81	7,030.81	7,030.81	213.73	243.70	-87.74	308.93	-4,254.89	2,372.05	2,070.81	301.24	7.874		
14,600.00	7,063.94	7,029.94	7,029.94	216.54	243.67	-87.64	308.93	-4,254.89	2,469.76	2,169.47	300.29	8.225		
14,700.00	7,063.06	7,029.06	7,029.06	219.34	243.64	-87.54	308.93	-4,254.89	2,567.64	2,268.22	299.42	8.575		
14,800.00	7,062.18	7,028.18	7,028.18	222.15	243.61	-87.45	308.93	-4,254.89	2,665.68	2,367.06	298.63	8.926		
14,900.00	7,061.30	7,027.30	7,027.30	224.95	243.58	-87.35	308.93	-4,254.89	2,763.86	2,465.97	297.90	9.278		
15,000.00	7,060.43	7,026.43	7,026.43	227.76	243.55	-87.25	308.93	-4,254.89	2,862.17	2,564.95	297.22	9.630		
15,100.00	7,059.55	7,025.55	7,025.55	230.57	243.52	-87.16	308.93	-4,254.89	2,960.59	2,663.99	296.61	9.982		
15,200.00	7,058.67	7,024.67	7,024.67	233.38	243.49	-87.06	308.93	-4,254.89	3,059.11	2,763.08	296.03	10.334		
15,300.00	7,057.79	7,023.79	7,023.79	236.19	243.46	-86.96	308.93	-4,254.89	3,157.73	2,862.22	295.51	10.686		
15,400.00	7,056.92	7,022.92	7,022.92	239.00	243.42	-86.86	308.93	-4,254.89	3,256.43	2,961.41	295.02	11.038		
15,500.00	7,056.04	7,022.04	7,022.04	241.81	243.39	-86.77	308.93	-4,254.89	3,355.21	3,060.64	294.56	11.390		
15,600.00	7,055.16	7,021.16	7,021.16	244.62	243.36	-86.67	308.93	-4,254.89	3,454.05	3,159.91	294.14	11.743		
15,700.00	7,054.28	7,020.28	7,020.28	247.43	243.33	-86.57	308.93	-4,254.89	3,552.96	3,259.21	293.75	12.095		
15,800.00	7,053.41	7,019.41	7,019.41	250.25	243.30	-86.47	308.93	-4,254.89	3,651.93	3,358.55	293.38	12.448		
15,846.35	7,053.00	7,019.00	7,019.00	251.55	243.29	-86.43	308.93	-4,254.89	3,697.82	3,404.60	293.22	12.611		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	72.13	790.66	2,452.95	2,577.23					
100.00	100.00	92.60	92.60	3.28	3.29	72.13	790.69	2,453.00	2,577.29	2,570.72	6.57	392.239		
200.00	200.00	195.04	195.04	3.34	3.34	72.13	790.82	2,453.06	2,577.38	2,570.71	6.68	386.106		
300.00	299.98	306.11	306.11	3.44	3.46	27.64	791.07	2,452.78	2,575.67	2,568.77	6.90	373.134		
400.00	399.84	412.76	412.76	3.61	3.63	27.74	791.34	2,452.12	2,570.52	2,563.29	7.23	355.373		
500.00	499.45	518.93	518.92	3.81	3.85	27.90	791.52	2,451.14	2,561.97	2,554.32	7.66	334.625		
600.00	598.70	613.57	613.56	4.06	4.07	28.13	791.44	2,450.35	2,550.38	2,542.25	8.13	313.768		
700.00	697.47	710.80	710.79	4.35	4.33	28.43	791.48	2,449.62	2,535.87	2,527.20	8.67	292.527		
800.00	795.62	811.81	811.80	4.66	4.63	28.80	791.71	2,448.76	2,518.31	2,509.04	9.27	271.532		
817.50	812.73	829.16	829.14	4.73	4.68	28.87	791.75	2,448.60	2,514.92	2,505.53	9.39	267.875		
900.00	893.32	910.85	910.82	5.01	4.94	29.06	791.92	2,447.83	2,498.72	2,488.80	9.92	251.973		
1,000.00	991.01	1,010.77	1,010.74	5.38	5.26	29.29	792.11	2,446.84	2,479.06	2,468.47	10.59	234.030		
1,100.00	1,088.69	1,118.20	1,118.16	5.77	5.63	29.55	792.34	2,445.47	2,459.18	2,447.85	11.33	217.132		
1,200.00	1,186.38	1,222.04	1,221.99	6.18	6.00	29.80	792.42	2,443.79	2,438.99	2,426.91	12.07	202.024		
1,300.00	1,284.06	1,318.17	1,318.11	6.60	6.35	30.03	792.53	2,442.15	2,418.76	2,405.94	12.81	188.753		
1,400.00	1,381.75	1,413.65	1,413.57	7.03	6.70	30.26	792.87	2,440.56	2,398.66	2,385.09	13.57	176.748		
1,500.00	1,479.44	1,515.33	1,515.24	7.47	7.09	30.51	793.08	2,438.80	2,378.51	2,364.15	14.36	165.587		
1,600.00	1,577.12	1,609.70	1,609.59	7.91	7.45	30.75	793.26	2,437.18	2,358.42	2,343.28	15.14	155.732		
1,700.00	1,674.81	1,708.94	1,708.82	8.37	7.83	31.01	793.46	2,435.50	2,338.39	2,322.44	15.95	146.593		
1,800.00	1,772.49	1,812.89	1,812.75	8.82	8.24	31.28	793.56	2,433.57	2,318.23	2,301.45	16.78	138.116		
1,900.00	1,870.18	1,901.50	1,901.34	9.28	8.59	31.52	793.76	2,431.98	2,298.20	2,280.63	17.57	130.784		
2,000.00	1,967.87	1,985.71	1,985.54	9.75	8.92	31.74	794.23	2,430.79	2,278.65	2,260.30	18.35	124.164		
2,100.00	2,065.55	2,078.51	2,078.34	10.22	9.30	31.98	795.09	2,429.79	2,259.56	2,240.39	19.17	117.888		
2,200.00	2,163.24	2,176.38	2,176.19	10.69	9.69	32.23	796.48	2,428.70	2,240.60	2,220.60	20.01	112.001		
2,300.00	2,260.92	2,270.82	2,270.60	11.16	10.07	32.45	798.58	2,427.49	2,221.71	2,200.87	20.84	106.624		
2,400.00	2,358.61	2,367.66	2,367.40	11.64	10.47	32.67	801.07	2,426.32	2,203.00	2,181.31	21.68	101.608		
2,500.00	2,456.30	2,455.20	2,454.90	12.12	10.83	32.87	803.69	2,425.31	2,184.46	2,161.96	22.50	97.092		
2,600.00	2,553.98	2,542.45	2,542.08	12.59	11.19	33.05	806.98	2,424.71	2,166.58	2,143.26	23.32	92.910		
2,700.00	2,651.67	2,637.76	2,637.31	13.08	11.58	33.25	810.68	2,424.31	2,148.99	2,124.82	24.17	88.910		
2,800.00	2,749.35	2,733.70	2,733.17	13.56	11.98	33.45	814.64	2,423.89	2,131.48	2,106.46	25.03	85.168		
2,900.00	2,847.04	2,820.26	2,819.65	14.04	12.34	33.63	818.37	2,423.73	2,114.29	2,088.43	25.85	81.778		
3,000.00	2,944.72	2,894.83	2,894.15	14.52	12.65	33.79	821.73	2,424.26	2,098.02	2,071.38	26.64	78.750		
3,100.00	3,042.41	2,994.68	2,993.88	15.01	13.07	34.01	826.26	2,425.56	2,082.34	2,054.82	27.52	75.672		
3,200.00	3,140.10	3,084.92	3,084.02	15.50	13.44	34.20	830.37	2,426.83	2,066.80	2,038.44	28.36	72.870		
3,300.00	3,237.78	3,178.33	3,177.32	15.98	13.84	34.41	834.71	2,428.47	2,051.64	2,022.42	29.22	70.211		
3,400.00	3,335.47	3,268.13	3,267.01	16.47	14.21	34.62	838.60	2,430.37	2,036.80	2,006.73	30.07	67.742		
3,500.00	3,433.15	3,367.70	3,366.48	16.96	14.63	34.88	842.20	2,432.93	2,022.31	1,991.36	30.95	65.346		
3,600.00	3,530.84	3,465.22	3,463.91	17.45	15.04	35.15	845.56	2,435.32	2,007.70	1,975.87	31.82	63.090		
3,700.00	3,628.53	3,561.50	3,560.11	17.94	15.44	35.41	848.87	2,437.84	1,993.29	1,960.59	32.69	60.966		
3,800.00	3,726.21	3,672.21	3,670.74	18.43	15.90	35.75	851.70	2,440.73	1,978.78	1,945.17	33.62	58.864		
3,900.00	3,823.90	3,780.28	3,778.78	18.92	16.35	36.11	853.34	2,442.96	1,963.60	1,929.07	34.53	56.869		
4,000.00	3,921.58	3,885.75	3,884.22	19.41	16.79	36.47	854.72	2,444.76	1,948.12	1,912.68	35.43	54.981		
4,100.00	4,019.27	3,992.09	3,990.55	19.90	17.24	36.85	855.86	2,446.19	1,932.31	1,895.97	36.34	53.174		
4,200.00	4,116.96	4,100.94	4,099.38	20.39	17.69	37.25	857.03	2,447.10	1,916.09	1,878.83	37.25	51.433		
4,300.00	4,214.64	4,195.82	4,194.25	20.88	18.09	37.59	858.26	2,447.67	1,899.74	1,861.61	38.13	49.823		
4,400.00	4,312.33	4,298.35	4,296.77	21.37	18.52	37.96	859.83	2,448.22	1,883.43	1,844.40	39.03	48.258		
4,500.00	4,410.01	4,405.95	4,404.35	21.87	18.97	38.34	861.82	2,448.36	1,866.85	1,826.90	39.94	46.741		
4,600.00	4,507.70	4,504.14	4,503.52	22.36	19.54	38.83	863.66	2,446.85	1,849.04	1,808.13	40.91	45.195		
4,700.00	4,605.39	4,655.39	4,653.73	22.85	20.02	39.29	864.61	2,443.81	1,829.76	1,787.93	41.83	43.739		
4,800.00	4,703.07	4,758.86	4,757.14	23.35	20.46	39.71	865.14	2,440.59	1,810.09	1,767.36	42.73	42.360		
4,900.00	4,800.76	4,856.81	4,855.04	23.84	20.88	40.12	865.56	2,437.29	1,790.26	1,746.64	43.62	41.043		
5,000.00	4,898.44	4,956.09	4,954.26	24.33	21.30	40.54	866.04	2,433.99	1,770.57	1,726.06	44.51	39.778		

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 32C-6-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 32C-6-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	4,996.13	5,054.26	5,052.36	24.83	21.71	40.97	866.53	2,430.52	1,750.76	1,705.36	45.40	38.561		
5,200.00	5,093.82	5,150.73	5,148.78	25.32	22.12	41.40	867.21	2,427.17	1,731.12	1,684.83	46.29	37.396		
5,300.00	5,191.50	5,245.66	5,243.65	25.82	22.52	41.84	867.47	2,423.92	1,711.60	1,664.42	47.18	36.277		
5,400.00	5,289.19	5,334.06	5,332.01	26.31	22.90	42.26	867.54	2,421.17	1,692.49	1,644.42	48.06	35.214		
5,500.00	5,386.87	5,423.44	5,421.37	26.81	23.28	42.70	867.64	2,419.02	1,674.15	1,625.20	48.95	34.203		
5,600.00	5,484.56	5,527.41	5,525.29	27.30	23.72	43.23	867.36	2,416.33	1,655.73	1,605.87	49.85	33.211		
5,700.00	5,582.25	5,616.85	5,614.71	27.80	24.10	43.70	867.32	2,414.07	1,637.52	1,586.78	50.74	32.271		
5,800.00	5,679.93	5,697.33	5,695.18	28.29	24.44	44.12	867.45	2,412.69	1,620.24	1,568.62	51.62	31.390		
5,900.00	5,777.62	5,795.70	5,793.54	28.79	24.86	44.64	867.73	2,411.50	1,603.58	1,551.06	52.52	30.532		
6,000.00	5,875.30	5,898.75	5,896.57	29.28	25.29	45.18	868.28	2,410.03	1,586.85	1,533.42	53.43	29.697		
6,100.00	5,972.99	5,993.10	5,990.91	29.78	25.69	45.67	869.31	2,408.60	1,570.17	1,515.83	54.33	28.899		
6,200.00	6,070.67	6,081.30	6,079.09	30.27	26.07	46.12	870.95	2,407.61	1,553.99	1,498.77	55.22	28.140		
6,300.00	6,168.36	6,187.79	6,185.53	30.77	26.52	46.63	873.73	2,406.59	1,538.09	1,481.95	56.14	27.396		
6,400.00	6,266.05	6,281.48	6,279.17	31.26	26.92	47.08	876.57	2,405.38	1,521.97	1,464.93	57.04	26.681		
6,500.00	6,363.73	6,384.53	6,382.17	31.76	27.36	47.59	879.65	2,404.17	1,506.06	1,448.10	57.96	25.985		
6,534.50	6,397.43	6,421.79	6,419.42	31.93	27.52	47.78	880.66	2,403.60	1,500.48	1,442.20	58.28	25.747		
6,550.00	6,412.60	6,438.83	6,436.44	32.01	27.59	52.65	881.12	2,403.30	1,498.13	1,439.71	58.42	25.644		
6,600.00	6,461.82	6,494.11	6,491.69	32.24	27.82	74.54	882.68	2,402.21	1,493.00	1,434.12	58.87	25.360		
6,640.50	6,501.86	6,531.89	6,529.44	32.41	27.99	98.18	883.78	2,401.40	1,491.66	1,432.44	59.22	25.189 CC		
6,650.00	6,511.25	6,540.50	6,538.05	32.45	28.02	103.83	884.03	2,401.23	1,491.73	1,432.43	59.30	25.155 ES		
6,700.00	6,560.58	6,585.78	6,583.31	32.64	28.22	129.14	885.38	2,400.41	1,494.54	1,434.84	59.71	25.030		
6,750.00	6,609.51	6,637.56	6,635.05	32.83	28.44	145.18	886.99	2,399.54	1,501.34	1,441.23	60.10	24.979 SF		
6,800.00	6,657.74	6,691.86	6,689.31	33.01	28.67	154.90	888.80	2,398.44	1,511.83	1,451.35	60.48	24.997		
6,850.00	6,704.97	6,743.09	6,740.49	33.18	28.89	161.13	890.70	2,397.26	1,525.97	1,465.14	60.83	25.084		
6,900.00	6,750.90	6,792.75	6,790.10	33.36	29.10	165.42	892.80	2,396.02	1,543.74	1,482.57	61.17	25.239		
6,950.00	6,795.26	6,835.37	6,832.65	33.54	29.28	168.54	894.82	2,394.96	1,565.07	1,503.61	61.47	25.461		
7,000.00	6,837.77	6,875.30	6,872.51	33.73	29.45	170.95	896.91	2,394.05	1,589.97	1,528.22	61.75	25.749		
7,050.00	6,878.17	6,916.66	6,913.80	33.92	29.63	172.92	899.26	2,393.20	1,618.24	1,556.24	62.01	26.098		
7,100.00	6,916.21	6,961.89	6,958.94	34.13	29.82	174.60	901.86	2,392.14	1,649.54	1,587.29	62.25	26.499		
7,150.00	6,951.66	7,004.44	7,001.41	34.36	30.00	176.11	904.30	2,390.99	1,683.64	1,621.17	62.47	26.952		
7,200.00	6,984.29	7,033.81	7,030.73	34.61	30.13	177.54	905.96	2,390.19	1,720.47	1,657.82	62.65	27.461		
7,250.00	7,013.91	7,061.40	7,058.26	34.89	30.24	179.01	907.49	2,389.49	1,759.87	1,697.07	62.81	28.020		
7,300.00	7,040.34	7,086.02	7,082.84	35.20	30.35	-179.40	908.82	2,388.91	1,801.59	1,738.64	62.94	28.623		
7,350.00	7,063.40	7,110.49	7,107.26	35.55	30.45	-177.56	910.13	2,388.35	1,845.33	1,782.27	63.06	29.264		
7,400.00	7,082.97	7,136.23	7,132.96	35.94	30.56	-175.26	911.48	2,387.72	1,890.77	1,827.61	63.16	29.936		
7,450.00	7,098.91	7,157.76	7,154.46	36.36	30.65	-172.11	912.59	2,387.14	1,937.62	1,874.38	63.24	30.639		
7,500.00	7,111.13	7,150.00	7,146.71	36.83	30.62	-166.43	912.19	2,387.35	1,985.74	1,922.49	63.25	31.394		
7,550.00	7,119.55	7,150.00	7,146.71	37.34	30.62	-155.85	912.19	2,387.35	2,034.77	1,971.51	63.26	32.163		
7,600.00	7,124.13	7,150.00	7,146.71	37.88	30.62	-131.07	912.19	2,387.35	2,084.36	2,021.09	63.27	32.945		
7,639.68	7,125.00	7,150.00	7,146.71	38.33	30.62	-92.32	912.19	2,387.35	2,123.88	2,060.62	63.27	33.570		
7,700.00	7,124.48	7,150.00	7,146.71	39.05	30.62	-92.32	912.19	2,387.35	2,184.00	2,120.74	63.26	34.522		
7,800.00	7,123.60	7,150.00	7,146.71	40.40	30.62	-92.32	912.19	2,387.35	2,283.69	2,220.43	63.26	36.099		
7,900.00	7,122.72	7,150.00	7,146.71	41.90	30.62	-92.32	912.19	2,387.35	2,383.41	2,320.15	63.26	37.676		
8,000.00	7,121.84	7,150.00	7,146.71	43.54	30.62	-92.32	912.19	2,387.35	2,483.14	2,419.88	63.26	39.252		
8,100.00	7,120.97	7,150.00	7,146.71	45.30	30.62	-92.32	912.19	2,387.35	2,582.90	2,519.64	63.26	40.827		
8,200.00	7,120.09	7,150.00	7,146.71	47.17	30.62	-92.32	912.19	2,387.35	2,682.68	2,619.41	63.27	42.401		
8,300.00	7,119.21	7,150.00	7,146.71	49.13	30.62	-92.32	912.19	2,387.35	2,782.47	2,719.20	63.27	43.974		
8,400.00	7,118.33	7,150.00	7,146.71	51.18	30.62	-92.32	912.19	2,387.35	2,882.28	2,818.99	63.28	45.546		
8,500.00	7,117.46	7,150.00	7,146.71	53.30	30.62	-92.32	912.19	2,387.35	2,982.10	2,918.80	63.29	47.117		
8,600.00	7,116.58	7,150.00	7,146.71	55.48	30.62	-92.32	912.19	2,387.35	3,081.93	3,018.63	63.30	48.686		
8,700.00	7,115.70	7,150.00	7,146.71	57.72	30.62	-92.32	912.19	2,387.35	3,181.77	3,118.46	63.31	50.254		
8,800.00	7,114.82	7,150.00	7,146.71	60.02	30.62	-92.32	912.19	2,387.35	3,281.62	3,218.29	63.33	51.821		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	7,150.00	7,146.71	62.36	30.62	-92.32	912.19	2,387.35	3,381.48	3,318.14	63.34	53.385		
9,000.00	7,113.07	7,150.00	7,146.71	64.74	30.62	-92.32	912.19	2,387.35	3,481.35	3,417.99	63.36	54.949		
9,100.00	7,112.19	7,150.00	7,146.71	67.15	30.62	-92.32	912.19	2,387.35	3,581.23	3,517.85	63.37	56.510		
9,200.00	7,111.31	7,150.00	7,146.71	69.60	30.62	-92.32	912.19	2,387.35	3,681.11	3,617.72	63.39	58.070		
9,300.00	7,110.44	7,150.00	7,146.71	72.08	30.62	-92.32	912.19	2,387.35	3,781.00	3,717.59	63.41	59.628		
9,400.00	7,109.56	7,150.00	7,146.71	74.58	30.62	-92.32	912.19	2,387.35	3,880.89	3,817.46	63.43	61.184		
9,500.00	7,108.68	7,150.00	7,146.71	77.10	30.62	-92.32	912.19	2,387.35	3,980.79	3,917.34	63.45	62.738		
9,600.00	7,107.81	7,150.00	7,146.71	79.65	30.62	-92.32	912.19	2,387.35	4,080.69	4,017.22	63.47	64.290		
9,700.00	7,106.93	7,150.00	7,146.71	82.22	30.62	-92.32	912.19	2,387.35	4,180.60	4,117.11	63.50	65.840		
9,800.00	7,106.05	7,150.00	7,146.71	84.80	30.62	-92.32	912.19	2,387.35	4,280.52	4,217.00	63.52	67.387		
9,900.00	7,105.17	7,150.00	7,146.71	87.40	30.62	-92.32	912.19	2,387.35	4,380.43	4,316.89	63.55	68.933		
10,000.00	7,104.30	7,150.00	7,146.71	90.02	30.62	-92.32	912.19	2,387.35	4,480.36	4,416.78	63.57	70.476		
10,100.00	7,103.42	7,150.00	7,146.71	92.64	30.62	-92.32	912.19	2,387.35	4,580.28	4,516.68	63.60	72.016		
10,200.00	7,102.54	7,150.00	7,146.71	95.28	30.62	-92.32	912.19	2,387.35	4,680.21	4,616.58	63.63	73.554		
10,300.00	7,101.66	7,150.00	7,146.71	97.94	30.62	-92.32	912.19	2,387.35	4,780.14	4,716.48	63.66	75.089		
10,400.00	7,100.79	7,150.00	7,146.71	100.60	30.62	-92.32	912.19	2,387.35	4,880.07	4,816.38	63.69	76.622		
10,500.00	7,099.91	7,150.00	7,146.71	103.27	30.62	-92.32	912.19	2,387.35	4,980.01	4,916.29	63.72	78.152		
10,600.00	7,099.03	7,150.00	7,146.71	105.95	30.62	-92.32	912.19	2,387.35	5,079.95	5,016.19	63.76	79.679		
10,700.00	7,098.15	7,150.00	7,146.71	108.64	30.62	-92.32	912.19	2,387.35	5,179.89	5,116.10	63.79	81.203		
10,800.00	7,097.28	7,150.00	7,146.71	111.33	30.62	-92.32	912.19	2,387.35	5,279.83	5,216.01	63.82	82.725		
10,900.00	7,096.40	7,150.00	7,146.71	114.04	30.62	-92.32	912.19	2,387.35	5,379.78	5,315.92	63.86	84.243		
11,000.00	7,095.52	7,150.00	7,146.71	116.74	30.62	-92.32	912.19	2,387.35	5,479.72	5,415.83	63.90	85.758		
11,100.00	7,094.64	7,150.00	7,146.71	119.46	30.62	-92.32	912.19	2,387.35	5,579.67	5,515.74	63.94	87.270		
11,200.00	7,093.77	7,150.00	7,146.71	122.18	30.62	-92.32	912.19	2,387.35	5,679.62	5,615.65	63.97	88.779		
11,300.00	7,092.89	7,150.00	7,146.71	124.91	30.62	-92.32	912.19	2,387.35	5,779.58	5,715.56	64.01	90.285		
11,400.00	7,092.01	7,150.00	7,146.71	127.64	30.62	-92.32	912.19	2,387.35	5,879.53	5,815.48	64.06	91.788		
11,500.00	7,091.13	7,150.00	7,146.71	130.38	30.62	-92.32	912.19	2,387.35	5,979.49	5,915.39	64.10	93.287		
11,600.00	7,090.26	7,150.00	7,146.71	133.12	30.62	-92.32	912.19	2,387.35	6,079.45	6,015.30	64.14	94.782		
11,700.00	7,089.38	7,150.00	7,146.71	135.86	30.62	-92.32	912.19	2,387.35	6,179.40	6,115.22	64.19	96.274		
11,800.00	7,088.50	7,150.00	7,146.71	138.61	30.62	-92.32	912.19	2,387.35	6,279.36	6,215.13	64.23	97.763		
11,900.00	7,087.63	7,150.00	7,146.71	141.36	30.62	-92.32	912.19	2,387.35	6,379.33	6,315.05	64.28	99.248		
12,000.00	7,086.75	7,150.00	7,146.71	144.12	30.62	-92.32	912.19	2,387.35	6,479.29	6,414.96	64.32	100.730		
12,100.00	7,085.87	7,150.00	7,146.71	146.88	30.62	-92.32	912.19	2,387.35	6,579.25	6,514.88	64.37	102.207		
12,200.00	7,084.99	7,150.00	7,146.71	149.64	30.62	-92.32	912.19	2,387.35	6,679.22	6,614.80	64.42	103.681		
12,300.00	7,084.12	7,150.00	7,146.71	152.40	30.62	-92.32	912.19	2,387.35	6,779.18	6,714.71	64.47	105.151		
12,400.00	7,083.24	7,150.00	7,146.71	155.17	30.62	-92.32	912.19	2,387.35	6,879.15	6,814.63	64.52	106.618		
12,500.00	7,082.36	7,150.00	7,146.71	157.94	30.62	-92.32	912.19	2,387.35	6,979.12	6,914.54	64.57	108.080		
12,600.00	7,081.48	7,150.00	7,146.71	160.71	30.62	-92.32	912.19	2,387.35	7,079.08	7,014.46	64.63	109.539		
12,700.00	7,080.61	7,150.00	7,146.71	163.49	30.62	-92.32	912.19	2,387.35	7,179.05	7,114.37	64.68	110.993		
12,800.00	7,079.73	7,150.00	7,146.71	166.27	30.62	-92.32	912.19	2,387.35	7,279.02	7,214.29	64.73	112.443		
12,900.00	7,078.85	7,150.00	7,146.71	169.04	30.62	-92.32	912.19	2,387.35	7,379.00	7,314.21	64.79	113.890		
13,000.00	7,077.97	7,150.00	7,146.71	171.83	30.62	-92.32	912.19	2,387.35	7,478.97	7,414.12	64.85	115.332		
13,100.00	7,077.10	7,150.00	7,146.71	174.61	30.62	-92.32	912.19	2,387.35	7,578.94	7,514.04	64.90	116.770		
13,200.00	7,076.22	7,150.00	7,146.71	177.39	30.62	-92.32	912.19	2,387.35	7,678.91	7,613.95	64.96	118.204		
13,300.00	7,075.34	7,150.00	7,146.71	180.18	30.62	-92.32	912.19	2,387.35	7,778.89	7,713.87	65.02	119.633		
13,400.00	7,074.46	7,150.00	7,146.71	182.97	30.62	-92.32	912.19	2,387.35	7,878.86	7,813.78	65.08	121.058		
13,500.00	7,073.59	7,150.00	7,146.71	185.76	30.62	-92.32	912.19	2,387.35	7,978.84	7,913.69	65.14	122.479		
13,600.00	7,072.71	7,150.00	7,146.71	188.55	30.62	-92.32	912.19	2,387.35	8,078.81	8,013.61	65.21	123.896		
13,700.00	7,071.83	7,150.00	7,146.71	191.34	30.62	-92.32	912.19	2,387.35	8,178.79	8,113.52	65.27	125.308		
13,800.00	7,070.95	7,150.00	7,146.71	194.14	30.62	-92.32	912.19	2,387.35	8,278.77	8,213.43	65.33	126.715		
13,900.00	7,070.08	7,150.00	7,146.71	196.93	30.62	-92.32	912.19	2,387.35	8,378.75	8,313.35	65.40	128.119		
14,000.00	7,069.20	7,150.00	7,146.71	199.73	30.62	-92.32	912.19	2,387.35	8,478.72	8,413.26	65.46	129.517		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,068.32	7,150.00	7,146.71	202.53	30.62	-92.32	912.19	2,387.35	8,578.70	8,513.17	65.53	130.911		
14,200.00	7,067.45	7,150.00	7,146.71	205.33	30.62	-92.32	912.19	2,387.35	8,678.68	8,613.08	65.60	132.301		
14,300.00	7,066.57	7,150.00	7,146.71	208.13	30.62	-92.32	912.19	2,387.35	8,778.66	8,712.99	65.67	133.686		
14,400.00	7,065.69	7,150.00	7,146.71	210.93	30.62	-92.32	912.19	2,387.35	8,878.64	8,812.91	65.74	135.066		
14,500.00	7,064.81	7,150.00	7,146.71	213.73	30.62	-92.32	912.19	2,387.35	8,978.62	8,912.82	65.81	136.441		
14,600.00	7,063.94	7,150.00	7,146.71	216.54	30.62	-92.32	912.19	2,387.35	9,078.60	9,012.73	65.88	137.812		
14,700.00	7,063.06	7,150.00	7,146.71	219.34	30.62	-92.32	912.19	2,387.35	9,178.58	9,112.64	65.95	139.178		
14,800.00	7,062.18	7,150.00	7,146.71	222.15	30.62	-92.32	912.19	2,387.35	9,278.57	9,212.54	66.02	140.539		
14,900.00	7,061.30	7,150.00	7,146.71	224.95	30.62	-92.32	912.19	2,387.35	9,378.55	9,312.45	66.09	141.896		
15,000.00	7,060.43	7,150.00	7,146.71	227.76	30.62	-92.32	912.19	2,387.35	9,478.53	9,412.36	66.17	143.248		
15,100.00	7,059.55	7,150.00	7,146.71	230.57	30.62	-92.32	912.19	2,387.35	9,578.51	9,512.27	66.24	144.595		
15,200.00	7,058.67	7,150.00	7,146.71	233.38	30.62	-92.32	912.19	2,387.35	9,678.50	9,612.18	66.32	145.937		
15,300.00	7,057.79	7,150.00	7,146.71	236.19	30.62	-92.32	912.19	2,387.35	9,778.48	9,712.08	66.40	147.274		
15,400.00	7,056.92	7,150.00	7,146.71	239.00	30.62	-92.32	912.19	2,387.35	9,878.46	9,811.99	66.47	148.606		
15,500.00	7,056.04	7,150.00	7,146.71	241.81	30.62	-92.32	912.19	2,387.35	9,978.45	9,911.90	66.55	149.933		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 - KELLY # 1-3 - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)					
0.00	0.00	0.00	0.00	3.28	3.28	95.04	-788.54	8,948.05	8,982.77							
100.00	100.00	72.00	72.00	3.28	3.51	95.04	-788.54	8,948.05	8,982.73	8,975.93	6.80	1,321.525				
200.00	200.00	172.00	172.00	3.34	5.38	95.04	-788.54	8,948.05	8,982.73	8,974.02	8.71	1,030.994				
300.00	299.98	271.98	271.98	3.44	8.41	50.54	-788.54	8,948.05	8,981.62	8,969.76	11.86	757.359				
400.00	399.84	371.84	371.84	3.61	11.70	50.62	-788.54	8,948.05	8,978.29	8,962.99	15.31	586.555				
500.00	499.45	471.45	471.45	3.81	15.07	50.75	-788.54	8,948.05	8,972.76	8,953.88	18.88	475.233				
600.00	598.70	570.70	570.70	4.06	18.47	50.93	-788.54	8,948.05	8,965.03	8,942.50	22.52	398.044				
700.00	697.47	669.47	669.47	4.35	21.87	51.16	-788.54	8,948.05	8,955.12	8,928.91	26.21	341.732				
800.00	795.62	767.62	767.62	4.66	25.27	51.44	-788.54	8,948.05	8,943.05	8,913.14	29.91	298.984				
817.50	812.73	784.73	784.73	4.73	25.86	51.50	-788.54	8,948.05	8,940.72	8,910.16	30.56	292.530				
900.00	893.32	865.32	865.32	5.01	28.65	51.59	-788.54	8,948.05	8,929.59	8,895.95	33.64	265.475				
1,000.00	991.01	963.01	963.01	5.38	32.04	51.69	-788.54	8,948.05	8,916.13	8,878.74	37.39	238.489				
1,100.00	1,088.69	1,060.69	1,060.69	5.77	35.44	51.80	-788.54	8,948.05	8,902.69	8,861.53	41.16	216.307				
1,200.00	1,186.38	1,158.38	1,158.38	6.18	38.83	51.91	-788.54	8,948.05	8,889.29	8,844.34	44.95	197.772				
1,300.00	1,284.06	1,256.06	1,256.06	6.60	42.23	52.01	-788.54	8,948.05	8,875.92	8,827.17	48.75	182.066				
1,400.00	1,381.75	1,353.75	1,353.75	7.03	45.63	52.12	-788.54	8,948.05	8,862.58	8,810.01	52.57	168.596				
1,500.00	1,479.44	1,451.44	1,451.44	7.47	49.03	52.23	-788.54	8,948.05	8,849.27	8,792.88	56.39	156.923				
1,600.00	1,577.12	1,549.12	1,549.12	7.91	52.44	52.34	-788.54	8,948.05	8,836.00	8,775.77	60.23	146.713				
1,700.00	1,674.81	1,646.81	1,646.81	8.37	55.84	52.44	-788.54	8,948.05	8,822.75	8,758.68	64.07	137.712				
1,800.00	1,772.49	1,744.49	1,744.49	8.82	59.25	52.55	-788.54	8,948.05	8,809.54	8,741.63	67.91	129.718				
1,900.00	1,870.18	1,842.18	1,842.18	9.28	62.65	52.66	-788.54	8,948.05	8,796.36	8,724.59	71.76	122.572				
2,000.00	1,967.87	1,939.87	1,939.87	9.75	66.06	52.77	-788.54	8,948.05	8,783.21	8,707.59	75.62	116.149				
2,100.00	2,065.55	2,037.55	2,037.55	10.22	69.46	52.88	-788.54	8,948.05	8,770.10	8,690.62	79.48	110.343				
2,200.00	2,163.24	2,135.24	2,135.24	10.69	72.87	52.99	-788.54	8,948.05	8,757.01	8,673.67	83.34	105.072				
2,300.00	2,260.92	2,232.92	2,232.92	11.16	76.28	53.10	-788.54	8,948.05	8,743.96	8,656.75	87.21	100.265				
2,400.00	2,358.61	2,330.61	2,330.61	11.64	79.68	53.21	-788.54	8,948.05	8,730.95	8,639.87	91.08	95.864				
2,500.00	2,456.30	2,428.30	2,428.30	12.12	83.09	53.32	-788.54	8,948.05	8,717.96	8,623.01	94.95	91.819				
2,600.00	2,553.98	2,525.98	2,525.98	12.59	86.50	53.43	-788.54	8,948.05	8,705.01	8,606.19	98.82	88.090				
2,700.00	2,651.67	2,623.67	2,623.67	13.08	89.91	53.55	-788.54	8,948.05	8,692.09	8,589.40	102.69	84.641				
2,800.00	2,749.35	2,721.35	2,721.35	13.56	93.31	53.66	-788.54	8,948.05	8,679.21	8,572.64	106.57	81.442				
2,900.00	2,847.04	2,819.04	2,819.04	14.04	96.72	53.77	-788.54	8,948.05	8,666.36	8,555.91	110.45	78.466				
3,000.00	2,944.72	2,916.72	2,916.72	14.52	100.13	53.88	-788.54	8,948.05	8,653.54	8,539.22	114.33	75.692				
3,100.00	3,042.41	3,014.41	3,014.41	15.01	103.54	54.00	-788.54	8,948.05	8,640.76	8,522.55	118.21	73.099				
3,200.00	3,140.10	3,112.10	3,112.10	15.50	106.95	54.11	-788.54	8,948.05	8,628.01	8,505.92	122.09	70.671				
3,300.00	3,237.78	3,209.78	3,209.78	15.98	110.36	54.22	-788.54	8,948.05	8,615.30	8,489.33	125.97	68.392				
3,400.00	3,335.47	3,307.47	3,307.47	16.47	113.77	54.34	-788.54	8,948.05	8,602.62	8,472.76	129.85	66.249				
3,500.00	3,433.15	3,405.15	3,405.15	16.96	117.17	54.45	-788.54	8,948.05	8,589.97	8,456.23	133.74	64.231				
3,600.00	3,530.84	3,502.84	3,502.84	17.45	120.58	54.56	-788.54	8,948.05	8,577.36	8,439.74	137.62	62.326				
3,700.00	3,628.53	3,600.53	3,600.53	17.94	123.99	54.68	-788.54	8,948.05	8,564.78	8,423.28	141.51	60.526				
3,800.00	3,726.21	3,701.79	3,698.21	18.43	127.53	54.79	-788.54	8,948.05	8,552.24	8,406.73	145.52	58.771				
3,900.00	3,823.90	3,804.10	3,795.90	18.92	131.10	54.91	-788.54	8,948.05	8,539.74	8,390.17	149.57	57.097				
4,000.00	3,921.58	3,906.42	3,893.58	19.41	134.67	55.03	-788.54	8,948.05	8,527.27	8,373.65	153.62	55.510				
4,100.00	4,019.27	4,008.73	3,991.27	19.90	138.24	55.14	-788.54	8,948.05	8,514.83	8,357.17	157.67	54.006				
4,200.00	4,116.96	4,088.96	4,088.96	20.39	141.04	55.26	-788.54	8,948.05	8,502.43	8,341.49	160.94	52.828				
4,300.00	4,214.64	4,186.64	4,186.64	20.88	144.45	55.37	-788.54	8,948.05	8,490.07	8,325.23	164.83	51.507				
4,400.00	4,312.33	4,284.33	4,284.33	21.37	147.86	55.49	-788.54	8,948.05	8,477.74	8,309.02	168.72	50.246				
4,500.00	4,410.01	4,382.01	4,382.01	21.87	151.27	55.61	-788.54	8,948.05	8,465.45	8,292.83	172.61	49.043				
4,600.00	4,507.70	4,479.70	4,479.70	22.36	154.68	55.73	-788.54	8,948.05	8,453.19	8,276.69	176.51	47.892				
4,700.00	4,605.39	4,577.39	4,577.39	22.85	158.09	55.84	-788.54	8,948.05	8,440.97	8,260.58	180.40	46.791				
4,800.00	4,703.07	4,675.07	4,675.07	23.35	161.49	55.96	-788.54	8,948.05	8,428.79	8,244.50	184.29	45.737				
4,900.00	4,800.76	4,772.76	4,772.76	23.84	164.90	56.08	-788.54	8,948.05	8,416.65	8,228.47	188.18	44.726				
5,000.00	4,898.44	4,870.44	4,870.44	24.33	168.31	56.20	-788.54	8,948.05	8,404.54	8,212.47	192.07	43.757				

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,968.13	4,968.13	24.83	171.72	56.32	-788.54	8,948.05	8,392.47	8,196.50	195.97	42.826		
5,200.00	5,093.82	5,065.82	5,065.82	25.32	175.13	56.44	-788.54	8,948.05	8,380.43	8,180.57	199.86	41.932		
5,300.00	5,191.50	5,163.50	5,163.50	25.82	178.54	56.56	-788.54	8,948.05	8,368.43	8,164.68	203.75	41.072		
5,400.00	5,289.19	5,261.19	5,261.19	26.31	181.95	56.68	-788.54	8,948.05	8,356.47	8,148.83	207.65	40.244		
5,500.00	5,386.87	5,358.87	5,358.87	26.81	185.36	56.80	-788.54	8,948.05	8,344.55	8,133.01	211.54	39.446		
5,600.00	5,484.56	5,456.56	5,456.56	27.30	188.77	56.92	-788.54	8,948.05	8,332.67	8,117.23	215.44	38.678		
5,700.00	5,582.25	5,554.25	5,554.25	27.80	192.18	57.04	-788.54	8,948.05	8,320.82	8,101.49	219.33	37.937		
5,800.00	5,679.93	5,651.93	5,651.93	28.29	195.59	57.17	-788.54	8,948.05	8,309.01	8,085.79	223.23	37.222		
5,900.00	5,777.62	5,749.62	5,749.62	28.79	199.00	57.29	-788.54	8,948.05	8,297.24	8,070.12	227.12	36.532		
6,000.00	5,875.30	5,847.30	5,847.30	29.28	202.41	57.41	-788.54	8,948.05	8,285.51	8,054.50	231.02	35.865		
6,100.00	5,972.99	5,944.99	5,944.99	29.78	205.82	57.53	-788.54	8,948.05	8,273.82	8,038.91	234.91	35.221		
6,200.00	6,070.67	6,042.67	6,042.67	30.27	209.23	57.66	-788.54	8,948.05	8,262.17	8,023.36	238.81	34.597		
6,300.00	6,168.36	6,140.36	6,140.36	30.77	212.64	57.78	-788.54	8,948.05	8,250.55	8,007.85	242.71	33.994		
6,400.00	6,266.05	6,238.05	6,238.05	31.26	216.05	57.90	-788.54	8,948.05	8,238.98	7,992.37	246.60	33.410		
6,500.00	6,363.73	6,335.73	6,335.73	31.76	219.46	58.03	-788.54	8,948.05	8,227.44	7,976.94	250.50	32.844		
6,534.50	6,397.43	6,369.43	6,369.43	31.93	220.64	58.07	-788.54	8,948.05	8,223.47	7,971.62	251.85	32.653		
6,550.00	6,412.60	6,384.60	6,384.60	32.01	221.17	62.86	-788.54	8,948.05	8,221.87	7,969.42	252.45	32.568		
6,600.00	6,461.82	6,433.82	6,433.82	32.24	222.88	84.51	-788.54	8,948.05	8,219.20	7,964.80	254.40	32.308		
6,610.00	6,471.70	6,443.70	6,443.70	32.28	223.23	90.00	-788.54	8,948.05	8,219.12	7,964.34	254.79	32.259 CC		
6,650.00	6,511.25	6,483.25	6,483.25	32.45	224.61	113.67	-788.54	8,948.05	8,220.34	7,964.00	256.34	32.068 ES		
6,700.00	6,560.58	6,532.58	6,532.58	32.64	226.33	138.91	-788.54	8,948.05	8,225.29	7,967.03	258.26	31.849		
6,750.00	6,609.51	6,581.51	6,581.51	32.83	228.04	154.93	-788.54	8,948.05	8,234.01	7,973.87	260.14	31.652		
6,800.00	6,657.74	6,629.74	6,629.74	33.01	229.72	164.68	-788.54	8,948.05	8,246.45	7,984.46	261.98	31.477		
6,850.00	6,704.97	6,676.97	6,676.97	33.18	231.37	171.04	-788.54	8,948.05	8,262.52	7,998.74	263.78	31.324		
6,900.00	6,750.90	6,722.90	6,722.90	33.36	232.97	175.55	-788.54	8,948.05	8,282.13	8,016.61	265.51	31.193		
6,950.00	6,795.26	6,767.26	6,767.26	33.54	234.52	179.01	-788.54	8,948.05	8,305.15	8,037.97	267.18	31.085		
7,000.00	6,837.77	6,809.77	6,809.77	33.73	236.01	-178.12	-788.54	8,948.05	8,331.45	8,062.68	268.76	30.999		
7,050.00	6,878.17	6,850.17	6,850.17	33.92	237.42	-175.56	-788.54	8,948.05	8,360.85	8,090.59	270.27	30.936		
7,100.00	6,916.21	6,888.21	6,888.21	34.13	238.74	-173.14	-788.54	8,948.05	8,393.19	8,121.52	271.67	30.895		
7,150.00	6,951.66	6,923.66	6,923.66	34.36	239.98	-170.68	-788.54	8,948.05	8,428.26	8,155.28	272.98	30.875 SF		
7,200.00	6,984.29	6,956.29	6,956.29	34.61	241.12	-168.04	-788.54	8,948.05	8,465.84	8,191.67	274.18	30.877		
7,250.00	7,013.91	6,985.91	6,985.91	34.89	242.16	-165.07	-788.54	8,948.05	8,505.71	8,230.45	275.26	30.901		
7,300.00	7,040.34	7,012.34	7,012.34	35.20	243.08	-161.53	-788.54	8,948.05	8,547.63	8,271.41	276.22	30.945		
7,350.00	7,063.40	7,035.40	7,035.40	35.55	243.88	-157.15	-788.54	8,948.05	8,591.33	8,314.27	277.06	31.009		
7,400.00	7,082.97	7,054.97	7,054.97	35.94	244.57	-151.49	-788.54	8,948.05	8,636.55	8,358.77	277.77	31.092		
7,450.00	7,098.91	7,070.91	7,070.91	36.36	245.12	-143.92	-788.54	8,948.05	8,683.01	8,404.66	278.35	31.194		
7,500.00	7,111.13	7,083.13	7,083.13	36.83	245.55	-133.58	-788.54	8,948.05	8,730.43	8,451.63	278.80	31.314		
7,550.00	7,119.55	7,108.45	7,108.45	37.34	246.43	-119.67	-788.54	8,948.05	8,778.52	8,498.81	279.71	31.384		
7,600.00	7,124.13	7,103.87	7,103.87	37.88	246.27	-102.44	-788.54	8,948.05	8,826.99	8,547.42	279.57	31.573		
7,639.68	7,125.00	7,103.00	7,103.00	38.33	246.24	-87.98	-788.54	8,948.05	8,865.53	8,585.96	279.57	31.712		
7,700.00	7,124.48	7,103.52	7,103.52	39.05	246.26	-87.96	-788.54	8,948.05	8,924.08	8,644.46	279.62	31.915		
7,800.00	7,123.60	7,104.40	7,104.40	40.40	246.29	-87.94	-788.54	8,948.05	9,021.20	8,741.48	279.72	32.251		
7,900.00	7,122.72	7,105.28	7,105.28	41.90	246.32	-87.91	-788.54	8,948.05	9,118.38	8,838.55	279.83	32.585		
8,000.00	7,121.84	7,106.16	7,106.16	43.54	246.35	-87.89	-788.54	8,948.05	9,215.63	8,935.67	279.96	32.918		
8,100.00	7,120.97	7,107.03	7,107.03	45.30	246.38	-87.87	-788.54	8,948.05	9,312.93	9,032.84	280.09	33.250		
8,200.00	7,120.09	7,107.91	7,107.91	47.17	246.41	-87.84	-788.54	8,948.05	9,410.29	9,130.06	280.23	33.581		
8,300.00	7,119.21	7,108.79	7,108.79	49.13	246.44	-87.82	-788.54	8,948.05	9,507.70	9,227.32	280.38	33.910		
8,400.00	7,118.33	7,109.67	7,109.67	51.18	246.48	-87.80	-788.54	8,948.05	9,605.17	9,324.63	280.53	34.239		
8,500.00	7,117.46	7,089.46	7,089.46	53.30	245.77	-87.77	-788.54	8,948.05	9,702.69	9,422.72	279.96	34.657		
8,600.00	7,116.58	7,088.58	7,088.58	55.48	245.74	-87.75	-788.54	8,948.05	9,800.25	9,520.18	280.07	34.992		
8,700.00	7,115.70	7,087.70	7,087.70	57.72	245.71	-87.73	-788.54	8,948.05	9,897.87	9,617.69	280.18	35.327		
8,800.00	7,114.82	7,086.82	7,086.82	60.02	245.68	-87.70	-788.54	8,948.05	9,995.53	9,715.23	280.30	35.660		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
2,400.00	2,358.61	2,314.61	2,314.61	11.64	79.13	44.07	650.96	10,264.20	9,986.97	9,896.53	90.44	110.427		
2,500.00	2,456.30	2,412.30	2,412.30	12.12	82.53	44.16	650.96	10,264.20	9,971.45	9,877.14	94.30	105.736		
2,600.00	2,553.98	2,509.98	2,509.98	12.59	85.94	44.24	650.96	10,264.20	9,955.94	9,857.77	98.17	101.414		
2,700.00	2,651.67	2,607.67	2,607.67	13.08	89.35	44.33	650.96	10,264.20	9,940.45	9,838.41	102.04	97.417		
2,800.00	2,749.35	2,705.35	2,705.35	13.56	92.76	44.41	650.96	10,264.20	9,924.99	9,819.08	105.91	93.711		
2,900.00	2,847.04	2,803.04	2,803.04	14.04	96.16	44.50	650.96	10,264.20	9,909.55	9,799.76	109.78	90.266		
3,000.00	2,944.72	2,900.72	2,900.72	14.52	99.57	44.58	650.96	10,264.20	9,894.13	9,780.47	113.65	87.054		
3,100.00	3,042.41	3,001.59	2,998.41	15.01	103.09	44.67	650.96	10,264.20	9,878.73	9,761.09	117.64	83.974		
3,200.00	3,140.10	3,103.90	3,096.10	15.50	106.66	44.75	650.96	10,264.20	9,863.36	9,741.68	121.68	81.062		
3,300.00	3,237.78	3,206.22	3,193.78	15.98	110.23	44.84	650.96	10,264.20	9,848.00	9,722.29	125.71	78.336		
3,400.00	3,335.47	3,308.53	3,291.47	16.47	113.80	44.93	650.96	10,264.20	9,832.67	9,702.92	129.75	75.780		
3,500.00	3,433.15	3,389.15	3,389.15	16.96	116.62	45.01	650.96	10,264.20	9,817.37	9,684.33	133.04	73.795		
3,600.00	3,530.84	3,486.84	3,486.84	17.45	120.03	45.10	650.96	10,264.20	9,802.08	9,665.17	136.91	71.593		
3,700.00	3,628.53	3,584.53	3,584.53	17.94	123.43	45.19	650.96	10,264.20	9,786.82	9,646.02	140.79	69.512		
3,800.00	3,726.21	3,682.21	3,682.21	18.43	126.84	45.28	650.96	10,264.20	9,771.58	9,626.91	144.67	67.542		
3,900.00	3,823.90	3,779.90	3,779.90	18.92	130.25	45.37	650.96	10,264.20	9,756.36	9,607.81	148.56	65.675		
4,000.00	3,921.58	3,877.58	3,877.58	19.41	133.66	45.45	650.96	10,264.20	9,741.17	9,588.74	152.44	63.903		
4,100.00	4,019.27	3,975.27	3,975.27	19.90	137.07	45.54	650.96	10,264.20	9,726.00	9,569.68	156.32	62.219		
4,200.00	4,116.96	4,072.96	4,072.96	20.39	140.48	45.63	650.96	10,264.20	9,710.86	9,550.66	160.20	60.616		
4,300.00	4,214.64	4,170.64	4,170.64	20.88	143.89	45.72	650.96	10,264.20	9,695.74	9,531.65	164.09	59.090		
4,400.00	4,312.33	4,268.33	4,268.33	21.37	147.30	45.81	650.96	10,264.20	9,680.64	9,512.67	167.97	57.634		
4,500.00	4,410.01	4,366.01	4,366.01	21.87	150.71	45.90	650.96	10,264.20	9,665.56	9,493.71	171.85	56.243		
4,600.00	4,507.70	4,463.70	4,463.70	22.36	154.12	45.99	650.96	10,264.20	9,650.51	9,474.77	175.74	54.914		
4,700.00	4,605.39	4,561.39	4,561.39	22.85	157.53	46.08	650.96	10,264.20	9,635.48	9,455.86	179.62	53.643		
4,800.00	4,703.07	4,659.07	4,659.07	23.35	160.94	46.17	650.96	10,264.20	9,620.48	9,436.97	183.51	52.425		
4,900.00	4,800.76	4,756.76	4,756.76	23.84	164.35	46.26	650.96	10,264.20	9,605.50	9,418.11	187.39	51.258		
5,000.00	4,898.44	4,854.44	4,854.44	24.33	167.76	46.35	650.96	10,264.20	9,590.55	9,399.27	191.28	50.139		
5,100.00	4,996.13	4,952.13	4,952.13	24.83	171.17	46.45	650.96	10,264.20	9,575.62	9,380.45	195.17	49.064		
5,200.00	5,093.82	5,049.82	5,049.82	25.32	174.57	46.54	650.96	10,264.20	9,560.71	9,361.66	199.05	48.031		
5,300.00	5,191.50	5,147.50	5,147.50	25.82	177.98	46.63	650.96	10,264.20	9,545.83	9,342.89	202.94	47.038		
5,400.00	5,289.19	5,245.19	5,245.19	26.31	181.39	46.72	650.96	10,264.20	9,530.98	9,324.15	206.83	46.082		
5,500.00	5,386.87	5,342.87	5,342.87	26.81	184.80	46.81	650.96	10,264.20	9,516.15	9,305.43	210.72	45.161		
5,600.00	5,484.56	5,440.56	5,440.56	27.30	188.21	46.91	650.96	10,264.20	9,501.34	9,286.73	214.60	44.274		
5,700.00	5,582.25	5,538.25	5,538.25	27.80	191.62	47.00	650.96	10,264.20	9,486.56	9,268.07	218.49	43.418		
5,800.00	5,679.93	5,635.93	5,635.93	28.29	195.03	47.09	650.96	10,264.20	9,471.80	9,249.42	222.38	42.593		
5,900.00	5,777.62	5,733.62	5,733.62	28.79	198.44	47.19	650.96	10,264.20	9,457.07	9,230.80	226.27	41.795		
6,000.00	5,875.30	5,831.30	5,831.30	29.28	201.85	47.28	650.96	10,264.20	9,442.37	9,212.21	230.16	41.025		
6,100.00	5,972.99	5,928.99	5,928.99	29.78	205.26	47.38	650.96	10,264.20	9,427.69	9,193.64	234.05	40.281		
6,200.00	6,070.67	6,026.67	6,026.67	30.27	208.67	47.47	650.96	10,264.20	9,413.03	9,175.09	237.94	39.561		
6,300.00	6,168.36	6,124.36	6,124.36	30.77	212.08	47.57	650.96	10,264.20	9,398.41	9,156.58	241.83	38.864		
6,400.00	6,266.05	6,222.05	6,222.05	31.26	215.49	47.66	650.96	10,264.20	9,383.80	9,138.08	245.72	38.189		
6,500.00	6,363.73	6,319.73	6,319.73	31.76	218.90	47.76	650.96	10,264.20	9,369.23	9,119.62	249.61	37.535		
6,534.50	6,397.43	6,353.43	6,353.43	31.93	220.08	47.79	650.96	10,264.20	9,364.21	9,113.25	250.95	37.315		
6,550.00	6,412.60	6,368.60	6,368.60	32.01	220.61	47.80	650.96	10,264.20	9,362.14	9,110.58	251.56	37.217		
6,600.00	6,461.82	6,417.82	6,417.82	32.24	222.33	47.82	650.96	10,264.20	9,358.02	9,104.51	253.50	36.915		
6,627.54	6,489.04	6,445.04	6,445.04	32.36	223.28	47.84	650.96	10,264.20	9,357.42	9,102.85	254.57	36.757 CC		
6,650.00	6,511.25	6,467.25	6,467.25	32.45	224.05	47.86	650.96	10,264.20	9,357.82	9,102.37	255.44	36.633 ES		
6,700.00	6,560.58	6,516.58	6,516.58	32.64	225.77	47.88	650.96	10,264.20	9,361.54	9,104.18	257.36	36.375		
6,750.00	6,609.51	6,565.51	6,565.51	32.83	227.48	47.90	650.96	10,264.20	9,369.15	9,109.91	259.25	36.140		
6,800.00	6,657.74	6,613.74	6,613.74	33.01	229.16	47.92	650.96	10,264.20	9,380.62	9,119.53	261.09	35.929		
6,850.00	6,704.97	6,660.97	6,660.97	33.18	230.81	47.94	650.96	10,264.20	9,395.86	9,132.98	262.88	35.742		
6,900.00	6,750.90	6,706.90	6,706.90	33.36	232.42	47.96	650.96	10,264.20	9,414.78	9,150.17	264.61	35.580		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	
6,950.00	6,795.26	6,751.26	6,751.26	33.54	233.96	167.23	650.96	10,264.20	9,437.26	9,171.00	266.27	35.443		
7,000.00	6,837.77	6,806.23	6,793.77	33.73	235.88	169.55	650.96	10,264.20	9,463.17	9,194.89	268.28	35.274		
7,050.00	6,878.17	6,834.17	6,834.17	33.92	236.86	171.43	650.96	10,264.20	9,492.34	9,223.01	269.33	35.244		
7,100.00	6,916.21	6,872.21	6,872.21	34.13	238.19	173.04	650.96	10,264.20	9,524.60	9,253.87	270.73	35.182		
7,150.00	6,951.66	6,907.66	6,907.66	34.36	239.42	174.47	650.96	10,264.20	9,559.74	9,287.72	272.02	35.144		
7,200.00	6,984.29	6,940.29	6,940.29	34.61	240.56	175.84	650.96	10,264.20	9,597.55	9,324.35	273.20	35.131 SF		
7,250.00	7,013.91	6,969.91	6,969.91	34.89	241.60	177.23	650.96	10,264.20	9,637.79	9,363.53	274.26	35.141		
7,300.00	7,040.34	7,003.66	6,996.34	35.20	242.77	178.75	650.96	10,264.20	9,680.21	9,404.75	275.46	35.142		
7,350.00	7,063.40	7,019.40	7,019.40	35.55	243.32	-179.46	650.96	10,264.20	9,724.56	9,448.54	276.02	35.231		
7,400.00	7,082.97	7,038.97	7,038.97	35.94	244.01	-177.14	650.96	10,264.20	9,770.56	9,493.85	276.71	35.310		
7,450.00	7,098.91	7,054.91	7,054.91	36.36	244.56	-173.80	650.96	10,264.20	9,817.92	9,540.65	277.27	35.410		
7,500.00	7,111.13	7,067.13	7,067.13	36.83	244.99	-168.29	650.96	10,264.20	9,866.36	9,588.67	277.69	35.530		
7,550.00	7,119.55	7,075.55	7,075.55	37.34	245.28	-157.23	650.96	10,264.20	9,915.57	9,637.59	277.98	35.670		
7,600.00	7,124.13	7,080.13	7,080.13	37.88	245.44	-128.62	650.96	10,264.20	9,965.26	9,687.12	278.14	35.828		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.57	-701.80	5,278.95	5,325.45					
100.00	100.00	95.54	95.54	3.28	3.29	97.58	-702.01	5,278.75	5,325.26	5,318.69	6.57	810.361		
200.00	200.00	231.29	231.28	3.34	3.34	97.58	-702.65	5,277.68	5,324.53	5,317.85	6.68	797.042		
300.00	299.98	314.13	314.12	3.44	3.43	53.11	-703.05	5,276.94	5,322.64	5,315.77	6.88	774.115		
400.00	399.84	444.91	444.89	3.61	3.64	53.25	-703.66	5,275.76	5,318.72	5,311.48	7.24	734.127		
500.00	499.45	559.94	559.91	3.81	3.89	53.44	-703.86	5,274.06	5,312.06	5,304.37	7.69	690.349		
600.00	598.70	626.58	626.54	4.06	4.05	53.66	-704.16	5,273.22	5,303.58	5,295.47	8.10	654.582		
700.00	697.47	710.77	710.73	4.35	4.28	53.94	-704.77	5,272.46	5,293.46	5,284.85	8.61	614.826		
800.00	795.62	790.96	790.92	4.66	4.51	54.28	-705.24	5,271.96	5,281.60	5,272.45	9.16	576.833		
817.50	812.73	804.57	804.52	4.73	4.55	54.34	-705.27	5,271.91	5,279.36	5,270.11	9.26	570.322		
900.00	893.32	886.78	886.73	5.01	4.80	54.49	-704.80	5,271.78	5,268.74	5,258.95	9.79	538.318		
1,000.00	991.01	973.64	973.55	5.38	5.07	54.63	-702.25	5,271.91	5,255.86	5,245.44	10.42	504.481		
1,100.00	1,088.69	1,105.54	1,105.20	5.77	5.51	54.80	-694.25	5,272.85	5,243.18	5,231.96	11.23	467.002		
1,200.00	1,186.38	1,527.48	1,525.05	6.18	7.09	55.22	-655.72	5,262.14	5,226.70	5,213.52	13.18	396.689		
1,300.00	1,284.06	1,649.78	1,646.91	6.60	7.58	55.39	-648.64	5,254.60	5,207.40	5,193.34	14.06	370.428		
1,400.00	1,381.75	1,700.48	1,697.42	7.03	7.79	55.46	-645.51	5,251.43	5,188.00	5,173.32	14.68	353.475		
1,500.00	1,479.44	1,753.00	1,749.81	7.47	8.00	55.55	-643.14	5,248.67	5,169.69	5,154.37	15.32	337.556		
1,600.00	1,577.12	1,792.88	1,789.62	7.91	8.17	55.61	-641.50	5,246.96	5,152.35	5,136.43	15.91	323.780		
1,700.00	1,674.81	1,847.68	1,844.31	8.37	8.39	55.69	-638.56	5,245.14	5,135.92	5,119.34	16.58	309.815		
1,800.00	1,772.49	1,951.15	1,947.59	8.82	8.82	55.84	-633.12	5,241.97	5,119.79	5,102.35	17.44	293.556		
1,900.00	1,870.18	2,021.54	2,017.88	9.28	9.11	55.96	-630.21	5,239.88	5,103.98	5,085.80	18.18	280.752		
2,000.00	1,967.87	2,000.00	2,122.47	9.75	9.02	56.13	-626.60	5,236.80	5,088.34	5,069.80	18.54	274.459		
2,100.00	2,065.55	2,176.43	2,172.63	10.22	9.75	56.23	-625.38	5,235.44	5,073.17	5,053.44	19.73	257.172		
2,200.00	2,163.24	2,231.69	2,227.88	10.69	9.98	56.33	-624.69	5,234.41	5,058.99	5,038.57	20.42	247.765		
2,300.00	2,260.92	2,314.24	2,310.41	11.16	10.32	56.49	-623.47	5,233.34	5,045.40	5,024.18	21.22	237.763		
2,400.00	2,358.61	2,466.36	2,462.49	11.64	10.95	56.78	-620.77	5,230.89	5,031.58	5,009.28	22.30	225.616		
2,500.00	2,456.30	2,571.23	2,567.30	12.12	11.39	56.98	-618.72	5,228.40	5,016.98	4,993.78	23.20	216.238		
2,600.00	2,553.98	2,622.14	2,618.20	12.59	11.60	57.08	-618.30	5,227.29	5,002.87	4,978.99	23.89	209.441		
2,700.00	2,651.67	2,674.00	2,670.05	13.08	11.81	57.19	-618.74	5,226.60	4,989.85	4,965.27	24.58	203.035		
2,800.00	2,749.35	2,703.69	2,699.74	13.56	11.93	57.26	-619.20	5,226.51	4,977.97	4,952.80	25.18	197.732		
2,900.00	2,847.04	2,738.57	2,734.62	14.04	12.07	57.34	-619.60	5,226.84	4,967.40	4,941.61	25.79	192.589		
3,000.00	2,944.72	2,794.45	2,790.48	14.52	12.28	57.45	-619.99	5,228.20	4,958.10	4,931.61	26.49	187.176		
3,100.00	3,042.41	2,911.97	2,907.97	15.01	12.74	57.70	-620.63	5,230.93	4,948.84	4,921.42	27.42	180.467		
3,200.00	3,140.10	3,051.15	3,047.12	15.50	13.28	58.00	-621.71	5,233.46	4,939.27	4,910.83	28.44	173.657		
3,300.00	3,237.78	3,165.61	3,161.57	15.98	13.74	58.25	-622.63	5,234.67	4,929.00	4,899.63	29.37	167.807		
3,400.00	3,335.47	3,274.87	3,270.82	16.47	14.17	58.49	-623.60	5,235.61	4,918.64	4,888.35	30.29	162.399		
3,500.00	3,433.15	3,370.27	3,366.21	16.96	14.56	58.70	-623.61	5,236.38	4,908.10	4,876.95	31.15	157.545		
3,600.00	3,530.84	3,466.48	3,462.41	17.45	14.95	58.89	-622.49	5,237.57	4,897.79	4,865.76	32.03	152.910		
3,700.00	3,628.53	3,620.01	3,615.89	17.94	15.60	59.17	-618.86	5,238.78	4,886.77	4,853.63	33.14	147.448		
3,800.00	3,726.21	3,743.43	3,739.29	18.43	16.12	59.42	-616.89	5,238.80	4,875.33	4,841.20	34.14	142.823		
3,900.00	3,823.90	3,844.00	3,839.86	18.92	16.54	59.64	-616.87	5,237.78	4,863.30	4,828.26	35.04	138.797		
4,000.00	3,921.58	3,887.60	3,883.46	19.41	16.72	59.74	-617.07	5,237.53	4,851.98	4,816.26	35.72	135.842		
4,100.00	4,019.27	3,933.00	3,928.85	19.90	16.91	59.85	-617.80	5,237.87	4,842.01	4,805.61	36.40	133.017		
4,200.00	4,116.96	4,007.44	4,003.26	20.39	17.21	60.03	-619.45	5,238.91	4,832.95	4,795.76	37.19	129.944		
4,300.00	4,214.64	4,086.46	4,082.25	20.88	17.53	60.22	-621.15	5,240.13	4,824.18	4,786.17	38.00	126.944		
4,400.00	4,312.33	4,160.74	4,156.51	21.37	17.83	60.39	-622.56	5,241.69	4,815.93	4,777.14	38.79	124.138		
4,500.00	4,410.01	4,402.85	4,398.58	21.87	18.83	60.95	-624.32	5,243.59	4,805.79	4,765.53	40.26	119.382		
4,600.00	4,507.70	4,519.41	4,515.14	22.36	19.32	61.21	-624.58	5,242.91	4,794.73	4,753.50	41.23	116.303		
4,700.00	4,605.39	4,643.45	4,639.17	22.85	19.85	61.50	-624.44	5,241.87	4,783.46	4,741.23	42.23	113.277		
4,800.00	4,703.07	4,750.34	4,746.05	23.35	20.30	61.74	-623.97	5,240.45	4,771.69	4,728.53	43.17	110.544		
4,900.00	4,800.76	4,810.37	4,806.08	23.84	20.56	61.88	-623.91	5,239.85	4,760.40	4,716.48	43.92	108.376		
5,000.00	4,898.44	4,895.91	4,891.62	24.33	20.92	62.08	-624.03	5,239.47	4,749.76	4,704.98	44.78	106.066		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 - Kelly Farms #12-4-3CHZ - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	4,996.13	4,992.33	4,988.04	24.83	21.33	62.30	-624.23	5,239.09	4,739.27	4,693.59	45.68	103.750				
5,200.00	5,093.82	5,088.05	5,083.76	25.32	21.73	62.53	-624.73	5,238.65	4,728.88	4,682.31	46.57	101.533				
5,300.00	5,191.50	5,206.11	5,201.81	25.82	22.23	62.82	-625.64	5,237.70	4,718.31	4,670.76	47.56	99.216				
5,400.00	5,289.19	5,297.47	5,293.15	26.31	22.62	63.05	-626.82	5,236.75	4,707.77	4,659.34	48.44	97.196				
5,500.00	5,386.87	5,408.22	5,403.89	26.81	23.09	63.32	-628.13	5,235.60	4,697.29	4,647.90	49.39	95.106				
5,600.00	5,484.56	5,523.65	5,519.31	27.30	23.58	63.59	-627.46	5,234.50	4,686.45	4,636.09	50.36	93.053				
5,700.00	5,582.25	5,605.47	5,601.11	27.80	23.93	63.80	-628.64	5,233.18	4,675.68	4,624.47	51.21	91.303				
5,800.00	5,679.93	5,666.30	5,661.91	28.29	24.18	63.97	-630.28	5,232.28	4,665.53	4,613.55	51.98	89.763				
5,900.00	5,777.62	5,725.87	5,721.47	28.79	24.43	64.12	-631.41	5,232.15	4,656.35	4,603.61	52.73	88.300				
6,000.00	5,875.30	5,838.06	5,833.64	29.28	24.90	64.41	-633.45	5,232.08	4,647.40	4,593.70	53.69	86.554				
6,100.00	5,972.99	5,929.67	5,925.23	29.78	25.29	64.66	-635.35	5,231.85	4,638.46	4,583.89	54.58	84.992				
6,200.00	6,070.67	6,045.65	6,041.21	30.27	25.77	64.93	-635.18	5,232.56	4,629.74	4,574.19	55.55	83.345				
6,300.00	6,168.36	6,145.41	6,140.96	30.77	26.20	65.18	-636.12	5,232.22	4,620.54	4,564.07	56.47	81.830				
6,400.00	6,266.05	6,253.87	6,249.41	31.26	26.65	65.46	-637.21	5,231.87	4,611.47	4,554.05	57.41	80.319				
6,500.00	6,363.73	6,291.44	6,286.98	31.76	26.81	65.55	-637.09	5,232.12	4,602.96	4,544.87	58.09	79.242				
6,534.50	6,397.43	6,304.64	6,300.17	31.93	26.87	65.58	-637.06	5,232.33	4,600.33	4,542.01	58.32	78.883				
6,550.00	6,412.60	6,310.58	6,306.12	32.01	26.89	70.37	-637.04	5,232.45	4,599.38	4,540.96	58.42	78.728				
6,570.02	6,432.27	6,318.28	6,313.82	32.10	26.92	77.83	-637.02	5,232.61	4,598.72	4,540.17	58.55	78.544 CC, ES				
6,600.00	6,461.82	6,342.00	6,337.53	32.24	27.02	92.06	-636.97	5,233.26	4,598.96	4,540.17	58.79	78.227				
6,650.00	6,511.25	6,342.00	6,337.53	32.45	27.02	121.26	-636.97	5,233.26	4,602.45	4,543.44	59.01	77.994				
6,700.00	6,560.58	6,342.00	6,337.53	32.64	27.02	146.61	-636.97	5,233.26	4,610.11	4,550.90	59.20	77.870				
6,750.00	6,609.51	6,375.79	6,371.28	32.83	27.16	162.82	-636.71	5,234.71	4,621.42	4,561.91	59.52	77.649				
6,800.00	6,657.74	6,389.60	6,385.06	33.01	27.22	172.82	-636.49	5,235.52	4,636.73	4,577.01	59.73	77.632				
6,850.00	6,704.97	6,431.00	6,426.33	33.18	27.39	179.47	-635.46	5,238.76	4,656.07	4,596.02	60.04	77.544 SF				
6,900.00	6,750.90	6,431.00	6,426.33	33.36	27.39	-175.63	-635.46	5,238.76	4,678.48	4,618.32	60.16	77.765				
6,950.00	6,795.26	6,431.00	6,426.33	33.54	27.39	-171.66	-635.46	5,238.76	4,704.42	4,644.16	60.26	78.065				
7,000.00	6,837.77	6,431.00	6,426.33	33.73	27.39	-168.14	-635.46	5,238.76	4,733.68	4,673.33	60.35	78.440				
7,050.00	6,878.17	6,431.00	6,426.33	33.92	27.39	-164.78	-635.46	5,238.76	4,766.00	4,705.58	60.42	78.883				
7,100.00	6,916.21	6,431.00	6,426.33	34.13	27.39	-161.32	-635.46	5,238.76	4,801.15	4,740.67	60.48	79.387				
7,150.00	6,951.66	6,463.25	6,458.39	34.36	27.52	-157.78	-634.56	5,242.04	4,838.38	4,777.69	60.69	79.723				
7,200.00	6,984.29	6,469.99	6,465.09	34.61	27.55	-153.64	-634.40	5,242.81	4,878.10	4,817.33	60.77	80.275				
7,250.00	7,013.91	6,475.87	6,470.93	34.89	27.58	-148.77	-634.28	5,243.50	4,919.77	4,858.94	60.84	80.870				
7,300.00	7,040.34	6,480.86	6,475.88	35.20	27.60	-142.88	-634.18	5,244.10	4,963.10	4,902.21	60.90	81.502				
7,350.00	7,063.40	6,484.95	6,479.94	35.55	27.61	-135.64	-634.10	5,244.61	5,007.79	4,946.84	60.95	82.161				
7,400.00	7,082.97	6,520.00	6,514.66	35.94	27.76	-127.47	-633.61	5,249.35	5,053.98	4,992.81	61.17	82.626				
7,450.00	7,098.91	6,520.00	6,514.66	36.36	27.76	-116.84	-633.61	5,249.35	5,100.44	5,039.23	61.21	83.333				
7,500.00	7,111.13	6,520.00	6,514.66	36.83	27.76	-104.67	-633.61	5,249.35	5,147.38	5,086.14	61.25	84.042				
7,550.00	7,119.55	6,520.00	6,514.66	37.34	27.76	-91.85	-633.61	5,249.35	5,194.52	5,133.23	61.30	84.743				
7,600.00	7,124.13	6,520.00	6,514.66	37.88	27.76	-79.64	-633.61	5,249.35	5,241.56	5,180.21	61.35	85.431				
7,639.68	7,125.00	6,520.00	6,514.66	38.33	27.76	-71.03	-633.61	5,249.35	5,278.64	5,217.23	61.41	85.963				
7,700.00	7,124.48	6,520.00	6,514.66	39.05	27.76	-71.03	-633.61	5,249.35	5,334.78	5,273.29	61.49	86.752				
7,800.00	7,123.60	6,485.96	6,480.94	40.40	27.62	-70.10	-634.08	5,244.74	5,427.58	5,366.09	61.49	88.274				
7,900.00	7,122.72	6,483.04	6,478.04	41.90	27.61	-70.02	-634.14	5,244.37	5,521.01	5,459.35	61.65	89.552				
8,000.00	7,121.84	6,480.19	6,475.22	43.54	27.59	-69.94	-634.19	5,244.02	5,614.65	5,552.82	61.83	90.807				
8,100.00	7,120.97	6,477.41	6,472.46	45.30	27.58	-69.87	-634.24	5,243.69	5,708.51	5,646.49	62.02	92.040				
8,200.00	7,120.09	6,474.70	6,469.77	47.17	27.57	-69.79	-634.30	5,243.36	5,802.57	5,740.35	62.22	93.253				
8,300.00	7,119.21	6,472.06	6,467.15	49.13	27.56	-69.72	-634.36	5,243.05	5,896.82	5,834.38	62.44	94.447				
8,400.00	7,118.33	6,469.48	6,464.58	51.18	27.55	-69.65	-634.41	5,242.75	5,991.24	5,928.59	62.65	95.625				
8,500.00	7,117.46	6,466.96	6,462.08	53.30	27.54	-69.58	-634.47	5,242.46	6,085.84	6,022.97	62.88	96.787				
8,600.00	7,116.58	6,431.00	6,426.33	55.48	27.39	-68.62	-635.46	5,238.76	6,181.07	6,118.11	62.96	98.180				
8,700.00	7,115.70	6,431.00	6,426.33	57.72	27.39	-68.62	-635.46	5,238.76	6,275.93	6,212.72	63.20	99.296				
8,800.00	7,114.82	6,431.00	6,426.33	60.02	27.39	-68.62	-635.46	5,238.76	6,370.94	6,307.49	63.45	100.401				

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	6,431.00	6,426.33	62.36	27.39	-68.62	-635.46	5,238.76	6,466.11	6,402.40	63.71	101.496		
9,000.00	7,113.07	6,431.00	6,426.33	64.74	27.39	-68.62	-635.46	5,238.76	6,561.42	6,497.46	63.96	102.582		
9,100.00	7,112.19	6,431.00	6,426.33	67.15	27.39	-68.62	-635.46	5,238.76	6,656.87	6,592.65	64.22	103.660		
9,200.00	7,111.31	6,431.00	6,426.33	69.60	27.39	-68.62	-635.46	5,238.76	6,752.45	6,687.97	64.47	104.731		
9,300.00	7,110.44	6,431.00	6,426.33	72.08	27.39	-68.62	-635.46	5,238.76	6,848.15	6,783.42	64.73	105.794		
9,400.00	7,109.56	6,431.00	6,426.33	74.58	27.39	-68.62	-635.46	5,238.76	6,943.98	6,878.99	64.99	106.852		
9,500.00	7,108.68	6,431.00	6,426.33	77.10	27.39	-68.62	-635.46	5,238.76	7,039.92	6,974.68	65.24	107.904		
9,600.00	7,107.81	6,431.00	6,426.33	79.65	27.39	-68.62	-635.46	5,238.76	7,135.98	7,070.48	65.50	108.950		
9,700.00	7,106.93	6,431.00	6,426.33	82.22	27.39	-68.62	-635.46	5,238.76	7,232.14	7,166.39	65.75	109.992		
9,800.00	7,106.05	6,431.00	6,426.33	84.80	27.39	-68.62	-635.46	5,238.76	7,328.40	7,262.40	66.00	111.030		
9,900.00	7,105.17	6,431.00	6,426.33	87.40	27.39	-68.62	-635.46	5,238.76	7,424.77	7,358.51	66.26	112.063		
10,000.00	7,104.30	6,431.00	6,426.33	90.02	27.39	-68.62	-635.46	5,238.76	7,521.22	7,454.72	66.50	113.093		
10,100.00	7,103.42	6,431.00	6,426.33	92.64	27.39	-68.62	-635.46	5,238.76	7,617.77	7,551.02	66.75	114.120		
10,200.00	7,102.54	6,431.00	6,426.33	95.28	27.39	-68.62	-635.46	5,238.76	7,714.41	7,647.41	67.00	115.144		
10,300.00	7,101.66	6,431.00	6,426.33	97.94	27.39	-68.62	-635.46	5,238.76	7,811.13	7,743.89	67.24	116.165		
10,400.00	7,100.79	6,431.00	6,426.33	100.60	27.39	-68.62	-635.46	5,238.76	7,907.93	7,840.45	67.48	117.183		
10,500.00	7,099.91	6,431.00	6,426.33	103.27	27.39	-68.62	-635.46	5,238.76	8,004.82	7,937.09	67.72	118.199		
10,600.00	7,099.03	6,431.00	6,426.33	105.95	27.39	-68.62	-635.46	5,238.76	8,101.77	8,033.81	67.96	119.212		
10,700.00	7,098.15	6,431.00	6,426.33	108.64	27.39	-68.62	-635.46	5,238.76	8,198.81	8,130.61	68.20	120.223		
10,800.00	7,097.28	6,431.00	6,426.33	111.33	27.39	-68.62	-635.46	5,238.76	8,295.91	8,227.48	68.43	121.233		
10,900.00	7,096.40	6,431.00	6,426.33	114.04	27.39	-68.62	-635.46	5,238.76	8,393.08	8,324.42	68.66	122.240		
11,000.00	7,095.52	6,431.00	6,426.33	116.74	27.39	-68.62	-635.46	5,238.76	8,490.31	8,421.42	68.89	123.246		
11,100.00	7,094.64	6,431.00	6,426.33	119.46	27.39	-68.62	-635.46	5,238.76	8,587.61	8,518.49	69.12	124.250		
11,200.00	7,093.77	6,431.00	6,426.33	122.18	27.39	-68.62	-635.46	5,238.76	8,684.97	8,615.63	69.34	125.252		
11,300.00	7,092.89	6,431.00	6,426.33	124.91	27.39	-68.62	-635.46	5,238.76	8,782.39	8,712.83	69.56	126.253		
11,400.00	7,092.01	6,431.00	6,426.33	127.64	27.39	-68.62	-635.46	5,238.76	8,879.87	8,810.08	69.78	127.252		
11,500.00	7,091.13	6,431.00	6,426.33	130.38	27.39	-68.62	-635.46	5,238.76	8,977.40	8,907.40	70.00	128.250		
11,600.00	7,090.26	6,431.00	6,426.33	133.12	27.39	-68.62	-635.46	5,238.76	9,074.98	9,004.77	70.21	129.246		
11,700.00	7,089.38	6,431.00	6,426.33	135.86	27.39	-68.62	-635.46	5,238.76	9,172.62	9,102.19	70.43	130.241		
11,800.00	7,088.50	6,431.00	6,426.33	138.61	27.39	-68.62	-635.46	5,238.76	9,270.31	9,199.67	70.64	131.235		
11,900.00	7,087.63	6,431.00	6,426.33	141.36	27.39	-68.62	-635.46	5,238.76	9,368.05	9,297.20	70.85	132.228		
12,000.00	7,086.75	6,431.00	6,426.33	144.12	27.39	-68.62	-635.46	5,238.76	9,465.83	9,394.78	71.05	133.219		
12,100.00	7,085.87	6,431.00	6,426.33	146.88	27.39	-68.62	-635.46	5,238.76	9,563.66	9,492.40	71.26	134.209		
12,200.00	7,084.99	6,431.00	6,426.33	149.64	27.39	-68.62	-635.46	5,238.76	9,661.54	9,590.07	71.46	135.198		
12,300.00	7,084.12	6,431.00	6,426.33	152.40	27.39	-68.62	-635.46	5,238.76	9,759.45	9,687.79	71.66	136.185		
12,400.00	7,083.24	6,431.00	6,426.33	155.17	27.39	-68.62	-635.46	5,238.76	9,857.41	9,785.55	71.86	137.171		
12,500.00	7,082.36	6,431.00	6,426.33	157.94	27.39	-68.62	-635.46	5,238.76	9,955.41	9,883.35	72.06	138.156		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.71	-709.83	5,239.70	5,287.61					
100.00	100.00	90.05	90.05	3.28	3.29	97.72	-710.67	5,239.48	5,287.48	5,280.90	6.57	804.525		
200.00	200.00	204.82	204.79	3.34	3.36	97.75	-712.75	5,238.64	5,286.98	5,280.28	6.70	789.460		
300.00	299.98	290.42	290.38	3.44	3.46	53.28	-714.11	5,238.14	5,285.57	5,278.66	6.91	765.424		
400.00	399.84	387.30	387.25	3.61	3.62	53.39	-715.56	5,237.73	5,282.22	5,275.00	7.22	731.362		
500.00	499.45	530.98	530.91	3.81	3.93	53.62	-717.60	5,236.86	5,276.72	5,268.98	7.74	681.950		
600.00	598.70	674.16	673.95	4.06	4.32	53.97	-722.70	5,233.77	5,267.75	5,259.38	8.37	629.437		
700.00	697.47	742.00	741.62	4.35	4.52	54.29	-727.21	5,232.01	5,256.90	5,248.05	8.85	593.719		
800.00	795.62	791.79	791.24	4.66	4.68	54.62	-731.25	5,230.99	5,244.84	5,235.51	9.33	562.276		
817.50	812.73	800.11	799.53	4.73	4.71	54.68	-731.94	5,230.86	5,242.62	5,233.21	9.41	556.847		
900.00	893.32	837.00	836.29	5.01	4.84	54.79	-735.04	5,230.46	5,232.45	5,222.63	9.82	532.845		
1,000.00	991.01	879.07	878.19	5.38	4.98	54.91	-738.76	5,230.36	5,221.12	5,210.79	10.33	505.501		
1,100.00	1,088.69	930.00	928.88	5.77	5.16	55.06	-743.64	5,230.83	5,210.97	5,200.08	10.89	478.438		
1,200.00	1,186.38	930.00	928.88	6.18	5.16	55.06	-743.64	5,230.83	5,202.13	5,190.84	11.29	460.666		
1,300.00	1,284.06	982.66	981.25	6.60	5.35	55.21	-748.95	5,232.21	5,194.36	5,182.46	11.90	436.662		
1,400.00	1,381.75	1,025.00	1,023.33	7.03	5.51	55.34	-753.29	5,234.15	5,188.13	5,175.66	12.47	415.906		
1,500.00	1,479.44	1,500.00	1,291.50	7.47	7.35	56.04	-771.28	5,244.64	5,181.28	5,166.56	14.72	352.061		
1,600.00	1,577.12	1,356.06	1,353.44	7.91	6.77	56.19	-774.01	5,246.19	5,172.56	5,157.97	14.58	354.665		
1,700.00	1,674.81	1,407.56	1,404.85	8.37	6.97	56.31	-776.30	5,248.07	5,164.91	5,149.68	15.23	339.159		
1,800.00	1,772.49	1,485.00	1,482.09	8.82	7.28	56.51	-780.88	5,251.12	5,157.93	5,141.94	15.98	322.702		
1,900.00	1,870.18	1,606.68	1,603.46	9.28	7.78	56.82	-788.30	5,255.71	5,150.91	5,133.98	16.93	304.287		
2,000.00	1,967.87	2,000.00	1,733.65	9.75	9.43	57.15	-795.48	5,260.16	5,143.55	5,124.54	19.01	270.589		
2,100.00	2,065.55	1,841.74	1,838.09	10.22	8.76	57.40	-800.21	5,263.22	5,135.61	5,116.80	18.80	273.133		
2,200.00	2,163.24	1,923.89	1,920.10	10.69	9.11	57.60	-804.10	5,265.90	5,128.13	5,108.53	19.61	261.566		
2,300.00	2,260.92	1,982.18	1,978.28	11.16	9.35	57.75	-807.08	5,267.98	5,121.18	5,100.86	20.31	252.089		
2,400.00	2,358.61	2,039.00	2,034.96	11.64	9.60	57.89	-810.13	5,270.58	5,115.23	5,094.21	21.02	243.341		
2,500.00	2,456.30	2,119.01	2,114.76	12.12	9.94	58.09	-814.14	5,274.78	5,109.96	5,088.14	21.82	234.152		
2,600.00	2,553.98	2,220.97	2,216.45	12.59	10.38	58.34	-819.28	5,280.09	5,104.79	5,082.07	22.72	224.662		
2,700.00	2,651.67	2,335.16	2,330.26	13.08	10.88	58.64	-827.00	5,285.26	5,099.44	5,075.76	23.69	215.279		
2,800.00	2,749.35	2,423.21	2,418.00	13.56	11.28	58.88	-833.26	5,289.20	5,094.24	5,069.70	24.55	207.543		
2,900.00	2,847.04	2,540.75	2,535.20	14.04	11.80	59.19	-840.40	5,294.51	5,088.95	5,063.42	25.53	199.342		
3,000.00	2,944.72	2,727.44	2,721.44	14.52	12.63	59.68	-851.61	5,300.83	5,082.62	5,055.81	26.81	189.557		
3,100.00	3,042.41	2,827.94	2,821.60	15.01	13.09	59.97	-859.50	5,303.02	5,075.78	5,048.04	27.74	182.984		
3,200.00	3,140.10	2,956.58	2,949.89	15.50	13.67	60.33	-868.57	5,305.44	5,068.58	5,039.80	28.79	176.080		
3,300.00	3,237.78	3,106.41	3,099.53	15.98	14.32	60.71	-875.66	5,307.92	5,060.73	5,030.82	29.91	169.211		
3,400.00	3,335.47	3,293.92	3,286.98	16.47	15.12	61.16	-879.80	5,308.99	5,051.06	5,019.90	31.16	162.093		
3,500.00	3,433.15	3,401.81	3,394.86	16.96	15.57	61.39	-880.47	5,309.31	5,041.05	5,008.96	32.09	157.089		
3,600.00	3,530.84	3,472.68	3,465.73	17.45	15.87	61.55	-880.88	5,309.59	5,031.20	4,998.33	32.87	153.041		
3,700.00	3,628.53	3,549.70	3,542.75	17.94	16.19	61.72	-881.19	5,310.37	5,021.94	4,988.26	33.68	149.103		
3,800.00	3,726.21	3,654.70	3,647.73	18.43	16.62	61.94	-881.57	5,311.65	5,012.96	4,978.36	34.59	144.915		
3,900.00	3,823.90	3,752.01	3,745.04	18.92	17.02	62.15	-881.57	5,312.73	5,003.83	4,968.36	35.47	141.067		
4,000.00	3,921.58	3,846.02	3,839.05	19.41	17.40	62.35	-881.55	5,313.87	4,994.86	4,958.52	36.34	137.451		
4,100.00	4,019.27	3,965.78	3,958.80	19.90	17.89	62.61	-881.51	5,315.08	4,985.77	4,948.46	37.31	133.645		
4,200.00	4,116.96	4,054.60	4,047.62	20.39	18.26	62.80	-881.75	5,315.70	4,976.54	4,938.37	38.16	130.399		
4,300.00	4,214.64	4,122.00	4,115.00	20.88	18.55	62.96	-882.84	5,316.30	4,967.92	4,928.97	38.95	127.555		
4,400.00	4,312.33	4,294.61	4,287.60	21.37	19.28	63.36	-884.12	5,316.75	4,958.33	4,918.19	40.14	123.527		
4,500.00	4,410.01	4,394.10	4,387.09	21.87	19.68	63.58	-884.21	5,316.74	4,948.62	4,907.59	41.03	120.607		
4,600.00	4,507.70	4,499.73	4,492.72	22.36	20.10	63.81	-884.20	5,316.72	4,938.95	4,897.01	41.94	117.769		
4,700.00	4,605.39	4,629.51	4,622.50	22.85	20.62	64.11	-883.96	5,316.00	4,928.76	4,885.83	42.93	114.817		
4,800.00	4,703.07	4,723.61	4,716.59	23.35	20.99	64.32	-883.78	5,315.26	4,918.45	4,874.66	43.79	112.320		
4,900.00	4,800.76	4,802.06	4,795.05	23.84	21.29	64.50	-883.58	5,314.84	4,908.45	4,863.86	44.60	110.060		
5,000.00	4,898.44	4,884.73	4,877.72	24.33	21.62	64.68	-883.24	5,314.82	4,898.93	4,853.51	45.42	107.858		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,995.67	4,988.65	24.83	22.05	64.92	-882.41	5,314.99	4,889.56	4,843.22	46.34	105.513		
5,200.00	5,093.82	5,103.30	5,096.28	25.32	22.48	65.16	-881.90	5,314.66	4,879.91	4,832.65	47.25	103.272		
5,300.00	5,191.50	5,203.28	5,196.26	25.82	22.88	65.39	-881.83	5,314.06	4,870.20	4,822.05	48.15	101.151		
5,400.00	5,289.19	5,281.00	5,273.98	26.31	23.20	65.58	-882.12	5,313.69	4,860.81	4,811.84	48.97	99.254		
5,500.00	5,386.87	5,370.78	5,363.76	26.81	23.59	65.80	-882.92	5,313.37	4,851.79	4,801.94	49.85	97.323		
5,600.00	5,484.56	5,600.00	5,518.14	27.30	24.53	66.16	-882.84	5,312.36	4,842.24	4,790.98	51.26	94.461		
5,700.00	5,582.25	5,638.27	5,631.19	27.80	24.67	66.39	-880.16	5,311.47	4,831.86	4,779.97	51.89	93.121		
5,800.00	5,679.93	5,724.77	5,717.67	28.29	25.02	66.58	-878.58	5,310.78	4,821.76	4,769.03	52.73	91.439		
5,900.00	5,777.62	5,799.11	5,792.01	28.79	25.31	66.75	-877.88	5,310.23	4,812.08	4,758.54	53.54	89.881		
6,000.00	5,875.30	5,893.57	5,886.47	29.28	25.70	66.98	-877.80	5,309.55	4,802.80	4,748.37	54.42	88.251		
6,100.00	5,972.99	5,989.83	5,982.72	29.78	26.10	67.21	-878.34	5,308.63	4,793.59	4,738.27	55.32	86.650		
6,200.00	6,070.67	6,071.04	6,063.92	30.27	26.45	67.42	-879.07	5,307.89	4,784.65	4,728.48	56.17	85.181		
6,300.00	6,168.36	6,180.24	6,173.10	30.77	26.91	67.70	-880.61	5,306.78	4,775.90	4,718.77	57.13	83.601		
6,400.00	6,266.05	6,236.97	6,229.83	31.26	27.15	67.84	-881.11	5,306.54	4,767.53	4,709.65	57.88	82.365		
6,500.00	6,363.73	6,500.00	6,335.78	31.76	28.25	68.09	-881.15	5,306.73	4,759.52	4,700.05	59.48	80.024		
6,534.50	6,397.43	6,370.67	6,363.53	31.93	27.71	68.16	-881.18	5,306.71	4,756.72	4,697.62	59.11	80.476		
6,550.00	6,412.60	6,377.34	6,370.20	32.01	27.74	72.94	-881.18	5,306.73	4,755.69	4,696.47	59.22	80.312		
6,585.30	6,447.32	6,392.59	6,385.45	32.17	27.80	87.19	-881.17	5,306.83	4,754.72	4,695.27	59.45	79.974 CC, ES		
6,600.00	6,461.82	6,398.97	6,391.83	32.24	27.83	94.61	-881.16	5,306.90	4,754.89	4,695.33	59.55	79.844		
6,650.00	6,511.25	6,438.00	6,430.85	32.45	27.99	123.86	-881.04	5,307.59	4,758.04	4,698.10	59.94	79.387		
6,700.00	6,560.58	6,438.00	6,430.85	32.64	27.99	149.21	-881.04	5,307.59	4,764.90	4,704.75	60.15	79.223		
6,750.00	6,609.51	6,438.00	6,430.85	32.83	27.99	165.41	-881.04	5,307.59	4,775.78	4,715.45	60.33	79.159		
6,800.00	6,657.74	6,438.00	6,430.85	33.01	27.99	175.44	-881.04	5,307.59	4,790.59	4,730.09	60.50	79.189		
6,850.00	6,704.97	6,472.22	6,465.05	33.18	28.13	-177.85	-880.80	5,308.90	4,808.64	4,747.86	60.79	79.109 SF		
6,900.00	6,750.90	6,482.20	6,475.01	33.36	28.18	-172.89	-880.71	5,309.46	4,830.52	4,769.56	60.96	79.241		
6,950.00	6,795.26	6,491.70	6,484.48	33.54	28.22	-168.85	-880.61	5,310.08	4,855.78	4,794.66	61.12	79.450		
7,000.00	6,837.77	6,527.00	6,519.66	33.73	28.36	-165.35	-880.14	5,313.02	4,884.55	4,823.18	61.38	79.584		
7,050.00	6,878.17	6,527.00	6,519.66	33.92	28.36	-161.93	-880.14	5,313.02	4,915.81	4,854.34	61.47	79.973		
7,100.00	6,916.21	6,527.00	6,519.66	34.13	28.36	-158.43	-880.14	5,313.02	4,949.87	4,888.32	61.55	80.423		
7,150.00	6,951.66	6,527.00	6,519.66	34.36	28.36	-154.66	-880.14	5,313.02	4,986.48	4,924.86	61.62	80.926		
7,200.00	6,984.29	6,527.00	6,519.66	34.61	28.36	-150.41	-880.14	5,313.02	5,025.36	4,963.68	61.68	81.477		
7,250.00	7,013.91	6,527.00	6,519.66	34.89	28.36	-145.47	-880.14	5,313.02	5,066.21	5,004.48	61.73	82.066		
7,300.00	7,040.34	6,527.00	6,519.66	35.20	28.36	-139.60	-880.14	5,313.02	5,108.75	5,046.96	61.78	82.687		
7,350.00	7,063.40	6,527.00	6,519.66	35.55	28.36	-132.56	-880.14	5,313.02	5,152.66	5,090.83	61.83	83.331		
7,400.00	7,082.97	6,527.00	6,519.66	35.94	28.36	-124.13	-880.14	5,313.02	5,197.66	5,135.77	61.88	83.991		
7,450.00	7,098.91	6,527.00	6,519.66	36.36	28.36	-114.30	-880.14	5,313.02	5,243.43	5,181.49	61.94	84.658		
7,500.00	7,111.13	6,527.00	6,519.66	36.83	28.36	-103.35	-880.14	5,313.02	5,289.68	5,227.68	61.99	85.326		
7,550.00	7,119.55	6,527.00	6,519.66	37.34	28.36	-91.99	-880.14	5,313.02	5,336.11	5,274.05	62.06	85.987		
7,600.00	7,124.13	6,527.00	6,519.66	37.88	28.36	-81.09	-880.14	5,313.02	5,382.44	5,320.31	62.13	86.634		
7,639.68	7,125.00	6,527.00	6,519.66	38.33	28.36	-73.28	-880.14	5,313.02	5,418.95	5,356.76	62.19	87.134		
7,700.00	7,124.48	6,527.00	6,519.66	39.05	28.36	-73.28	-880.14	5,313.02	5,474.25	5,411.95	62.30	87.874		
7,800.00	7,123.60	6,527.00	6,519.66	40.40	28.36	-73.28	-880.14	5,313.02	5,566.16	5,503.67	62.49	89.072		
7,900.00	7,122.72	6,527.00	6,519.66	41.90	28.36	-73.28	-880.14	5,313.02	5,658.34	5,595.64	62.70	90.241		
8,000.00	7,121.84	6,527.00	6,519.66	43.54	28.36	-73.28	-880.14	5,313.02	5,750.79	5,687.86	62.93	91.381		
8,100.00	7,120.97	6,527.00	6,519.66	45.30	28.36	-73.28	-880.14	5,313.02	5,843.48	5,780.31	63.17	92.497		
8,200.00	7,120.09	6,527.00	6,519.66	47.17	28.36	-73.28	-880.14	5,313.02	5,936.41	5,872.98	63.43	93.590		
8,300.00	7,119.21	6,527.00	6,519.66	49.13	28.36	-73.28	-880.14	5,313.02	6,029.57	5,965.88	63.70	94.663		
8,400.00	7,118.33	6,527.00	6,519.66	51.18	28.36	-73.28	-880.14	5,313.02	6,122.94	6,058.98	63.97	95.717		
8,500.00	7,117.46	6,527.00	6,519.66	53.30	28.36	-73.28	-880.14	5,313.02	6,216.52	6,152.27	64.25	96.755		
8,600.00	7,116.58	6,527.00	6,519.66	55.48	28.36	-73.28	-880.14	5,313.02	6,310.30	6,245.76	64.54	97.777		
8,700.00	7,115.70	6,527.00	6,519.66	57.72	28.36	-73.28	-880.14	5,313.02	6,404.26	6,339.44	64.83	98.787		
8,800.00	7,114.82	6,527.00	6,519.66	60.02	28.36	-73.28	-880.14	5,313.02	6,498.41	6,433.28	65.12	99.784		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-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		
8,900.00	7,113.95	6,527.00	6,519.66	62.36	28.36	-73.28	-880.14	5,313.02	6,592.73	6,527.30	65.42	100.770		
9,000.00	7,113.07	6,527.00	6,519.66	64.74	28.36	-73.28	-880.14	5,313.02	6,687.21	6,621.48	65.72	101.747		
9,100.00	7,112.19	6,527.00	6,519.66	67.15	28.36	-73.28	-880.14	5,313.02	6,781.85	6,715.82	66.03	102.715		
9,200.00	7,111.31	6,527.00	6,519.66	69.60	28.36	-73.28	-880.14	5,313.02	6,876.64	6,810.31	66.33	103.675		
9,300.00	7,110.44	6,527.00	6,519.66	72.08	28.36	-73.28	-880.14	5,313.02	6,971.58	6,904.95	66.63	104.629		
9,400.00	7,109.56	6,527.00	6,519.66	74.58	28.36	-73.28	-880.14	5,313.02	7,066.66	6,999.72	66.93	105.576		
9,500.00	7,108.68	6,527.00	6,519.66	77.10	28.36	-73.28	-880.14	5,313.02	7,161.87	7,094.63	67.24	106.518		
9,600.00	7,107.81	6,527.00	6,519.66	79.65	28.36	-73.28	-880.14	5,313.02	7,257.21	7,189.67	67.54	107.455		
9,700.00	7,106.93	6,527.00	6,519.66	82.22	28.36	-73.28	-880.14	5,313.02	7,352.67	7,284.84	67.84	108.388		
9,800.00	7,106.05	6,527.00	6,519.66	84.80	28.36	-73.28	-880.14	5,313.02	7,448.26	7,380.12	68.13	109.317		
9,900.00	7,105.17	6,527.00	6,519.66	87.40	28.36	-73.28	-880.14	5,313.02	7,543.95	7,475.52	68.43	110.242		
10,000.00	7,104.30	6,527.00	6,519.66	90.02	28.36	-73.28	-880.14	5,313.02	7,639.76	7,571.04	68.72	111.165		
10,100.00	7,103.42	6,527.00	6,519.66	92.64	28.36	-73.28	-880.14	5,313.02	7,735.68	7,666.66	69.02	112.084		
10,200.00	7,102.54	6,527.00	6,519.66	95.28	28.36	-73.28	-880.14	5,313.02	7,831.69	7,762.39	69.31	113.002		
10,300.00	7,101.66	6,527.00	6,519.66	97.94	28.36	-73.28	-880.14	5,313.02	7,927.81	7,858.21	69.59	113.917		
10,400.00	7,100.79	6,527.00	6,519.66	100.60	28.36	-73.28	-880.14	5,313.02	8,024.02	7,954.14	69.88	114.830		
10,500.00	7,099.91	6,527.00	6,519.66	103.27	28.36	-73.28	-880.14	5,313.02	8,120.32	8,050.16	70.16	115.742		
10,600.00	7,099.03	6,527.00	6,519.66	105.95	28.36	-73.28	-880.14	5,313.02	8,216.71	8,146.27	70.44	116.652		
10,700.00	7,098.15	6,527.00	6,519.66	108.64	28.36	-73.28	-880.14	5,313.02	8,313.18	8,242.47	70.71	117.561		
10,800.00	7,097.28	6,527.00	6,519.66	111.33	28.36	-73.28	-880.14	5,313.02	8,409.74	8,338.75	70.99	118.468		
10,900.00	7,096.40	6,527.00	6,519.66	114.04	28.36	-73.28	-880.14	5,313.02	8,506.38	8,435.12	71.26	119.375		
11,000.00	7,095.52	6,527.00	6,519.66	116.74	28.36	-73.28	-880.14	5,313.02	8,603.09	8,531.56	71.53	120.280		
11,100.00	7,094.64	6,527.00	6,519.66	119.46	28.36	-73.28	-880.14	5,313.02	8,699.88	8,628.09	71.79	121.185		
11,200.00	7,093.77	6,527.00	6,519.66	122.18	28.36	-73.28	-880.14	5,313.02	8,796.74	8,724.68	72.05	122.088		
11,300.00	7,092.89	6,527.00	6,519.66	124.91	28.36	-73.28	-880.14	5,313.02	8,893.67	8,821.35	72.31	122.991		
11,400.00	7,092.01	6,527.00	6,519.66	127.64	28.36	-73.28	-880.14	5,313.02	8,990.66	8,918.10	72.57	123.894		
11,500.00	7,091.13	6,527.00	6,519.66	130.38	28.36	-73.28	-880.14	5,313.02	9,087.72	9,014.90	72.82	124.796		
11,600.00	7,090.26	6,527.00	6,519.66	133.12	28.36	-73.28	-880.14	5,313.02	9,184.85	9,111.78	73.07	125.697		
11,700.00	7,089.38	6,488.61	6,481.40	135.86	28.20	-72.32	-880.64	5,309.87	9,281.37	9,208.18	73.19	126.814		
11,800.00	7,088.50	6,487.72	6,480.52	138.61	28.20	-72.30	-880.65	5,309.81	9,378.58	9,305.15	73.43	127.718		
11,900.00	7,087.63	6,486.85	6,479.65	141.36	28.20	-72.28	-880.66	5,309.75	9,475.85	9,402.18	73.67	128.622		
12,000.00	7,086.75	6,486.00	6,478.80	144.12	28.19	-72.25	-880.67	5,309.70	9,573.18	9,499.27	73.91	129.525		
12,100.00	7,085.87	6,485.16	6,477.97	146.88	28.19	-72.23	-880.68	5,309.65	9,670.56	9,596.42	74.14	130.428		
12,200.00	7,084.99	6,484.34	6,477.15	149.64	28.19	-72.21	-880.69	5,309.60	9,767.99	9,693.62	74.38	131.331		
12,300.00	7,084.12	6,483.54	6,476.34	152.40	28.18	-72.19	-880.70	5,309.54	9,865.48	9,790.87	74.61	132.232		
12,400.00	7,083.24	6,482.75	6,475.56	155.17	28.18	-72.17	-880.70	5,309.50	9,963.01	9,888.18	74.83	133.134		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.34	-679.58	5,274.49	5,318.14					
100.00	100.00	87.24	87.24	3.28	3.29	97.34	-679.57	5,274.41	5,318.02	5,311.45	6.57	809.403		
200.00	200.00	187.35	187.35	3.34	3.34	97.34	-679.36	5,274.25	5,317.83	5,311.15	6.68	796.092		
300.00	299.98	287.58	287.58	3.44	3.45	52.85	-678.81	5,274.11	5,316.57	5,309.67	6.90	770.732		
400.00	399.84	389.32	389.32	3.61	3.62	52.95	-678.51	5,273.99	5,313.26	5,306.04	7.22	735.944		
500.00	499.45	505.85	505.85	3.81	3.86	53.13	-678.71	5,273.39	5,307.50	5,299.84	7.66	692.732		
600.00	598.70	588.31	588.31	4.06	4.05	53.34	-678.92	5,272.98	5,299.72	5,291.62	8.10	654.145		
700.00	697.47	658.91	658.90	4.35	4.23	53.58	-678.30	5,273.08	5,290.35	5,281.79	8.57	617.589		
800.00	795.62	723.28	723.25	4.66	4.41	53.85	-676.91	5,273.67	5,279.55	5,270.49	9.06	582.780		
817.50	812.73	743.00	742.96	4.73	4.47	53.91	-676.33	5,273.95	5,277.52	5,268.35	9.18	575.171		
900.00	893.32	831.71	831.58	5.01	4.74	54.04	-672.55	5,275.32	5,267.77	5,258.04	9.73	541.652		
1,000.00	991.01	927.20	926.80	5.38	5.05	54.14	-665.70	5,277.01	5,255.79	5,245.39	10.40	505.492		
1,100.00	1,088.69	1,022.03	1,021.10	5.77	5.38	54.22	-655.97	5,279.18	5,243.90	5,232.79	11.11	472.091		
1,200.00	1,186.38	1,129.70	1,127.88	6.18	5.78	54.27	-642.41	5,281.96	5,231.99	5,220.08	11.90	439.532		
1,300.00	1,284.06	1,276.79	1,273.71	6.60	6.37	54.34	-623.59	5,285.55	5,220.08	5,207.19	12.89	404.865		
1,400.00	1,381.75	1,436.07	1,431.58	7.03	7.04	54.41	-602.50	5,287.35	5,206.68	5,192.71	13.97	372.651		
1,500.00	1,479.44	1,573.99	1,568.64	7.47	7.63	54.51	-587.11	5,286.76	5,191.93	5,176.96	14.98	346.607		
1,600.00	1,577.12	1,653.69	1,647.73	7.91	7.98	54.56	-577.40	5,286.57	5,177.33	5,161.57	15.76	328.451		
1,700.00	1,674.81	1,706.43	1,699.96	8.37	8.21	54.58	-570.04	5,286.87	5,163.31	5,146.86	16.44	313.999		
1,800.00	1,772.49	1,762.00	1,754.99	8.82	8.47	54.61	-562.36	5,287.83	5,150.31	5,133.17	17.15	300.387		
1,900.00	1,870.18	1,808.39	1,800.88	9.28	8.68	54.62	-555.74	5,289.10	5,138.23	5,120.41	17.82	288.402		
2,000.00	1,967.87	1,966.75	1,957.23	9.75	9.44	54.65	-530.99	5,293.66	5,126.30	5,107.28	19.01	269.617		
2,100.00	2,065.55	2,013.33	2,003.26	10.22	9.66	54.66	-523.97	5,294.84	5,114.00	5,094.30	19.70	259.602		
2,200.00	2,163.24	2,064.30	2,053.67	10.69	9.91	54.68	-516.62	5,296.61	5,102.70	5,082.29	20.41	250.028		
2,300.00	2,260.92	2,130.00	2,118.65	11.16	10.23	54.70	-507.35	5,299.48	5,092.29	5,071.10	21.19	240.327		
2,400.00	2,358.61	2,256.39	2,243.80	11.64	10.83	54.75	-490.39	5,304.19	5,081.29	5,059.04	22.25	228.324		
2,500.00	2,456.30	2,315.00	2,301.83	12.12	11.11	54.78	-482.63	5,306.96	5,071.25	5,048.24	23.01	220.424		
2,600.00	2,553.98	2,434.82	2,420.40	12.59	11.70	54.82	-466.26	5,312.24	5,060.97	5,036.92	24.06	210.386		
2,700.00	2,651.67	2,473.08	2,458.22	13.08	11.89	54.83	-460.75	5,314.18	5,051.27	5,026.55	24.72	204.331		
2,800.00	2,749.35	2,623.34	2,606.63	13.56	12.64	54.87	-438.84	5,322.58	5,042.25	5,016.32	25.93	194.428		
2,900.00	2,847.04	2,752.45	2,734.34	14.04	13.29	54.91	-420.68	5,328.05	5,031.76	5,004.72	27.04	186.068		
3,000.00	2,944.72	2,881.73	2,862.50	14.52	13.92	54.98	-404.41	5,332.57	5,020.81	4,992.67	28.14	178.419		
3,100.00	3,042.41	2,978.61	2,958.96	15.01	14.36	55.08	-395.79	5,335.28	5,009.73	4,980.67	29.06	172.421		
3,200.00	3,140.10	3,113.40	3,093.54	15.50	14.94	55.27	-388.78	5,337.19	4,997.82	4,967.72	30.10	166.064		
3,300.00	3,237.78	3,199.61	3,179.74	15.98	15.27	55.44	-388.35	5,337.78	4,986.05	4,955.15	30.91	161.327		
3,400.00	3,335.47	3,342.36	3,322.46	16.47	15.78	55.76	-390.88	5,337.84	4,974.15	4,942.27	31.88	156.013		
3,500.00	3,433.15	3,475.41	3,455.49	16.96	16.27	56.05	-392.75	5,336.81	4,961.45	4,928.62	32.83	151.104		
3,600.00	3,530.84	3,585.00	3,565.07	17.45	16.69	56.28	-392.66	5,335.29	4,947.93	4,914.20	33.73	146.704		
3,700.00	3,628.53	3,650.41	3,630.48	17.94	16.95	56.42	-392.47	5,334.52	4,934.80	4,900.32	34.48	143.136		
3,800.00	3,726.21	3,743.03	3,723.09	18.43	17.32	56.61	-392.01	5,334.41	4,922.58	4,887.25	35.33	139.342		
3,900.00	3,823.90	3,880.35	3,860.41	18.92	17.86	56.89	-391.58	5,333.26	4,909.74	4,873.41	36.34	135.123		
4,000.00	3,921.58	3,974.76	3,954.81	19.41	18.23	57.09	-391.28	5,332.17	4,896.69	4,859.50	37.19	131.663		
4,100.00	4,019.27	4,063.01	4,043.05	19.90	18.58	57.28	-391.05	5,331.26	4,883.84	4,845.81	38.03	128.432		
4,200.00	4,116.96	4,144.79	4,124.84	20.39	18.90	57.46	-391.32	5,330.51	4,871.28	4,832.44	38.84	125.433		
4,300.00	4,214.64	4,219.82	4,199.86	20.88	19.19	57.62	-391.85	5,330.11	4,859.22	4,819.60	39.62	122.652		
4,400.00	4,312.33	4,308.98	4,289.02	21.37	19.54	57.82	-392.22	5,329.95	4,847.51	4,807.06	40.45	119.839		
4,500.00	4,410.01	4,390.28	4,370.32	21.87	19.85	58.00	-392.33	5,330.08	4,836.14	4,794.88	41.26	117.216		
4,600.00	4,507.70	4,488.46	4,468.49	22.36	20.24	58.21	-392.47	5,330.39	4,824.99	4,782.86	42.13	114.529		
4,700.00	4,605.39	4,567.00	4,547.04	22.85	20.55	58.38	-392.54	5,330.65	4,813.95	4,771.02	42.93	112.129		
4,800.00	4,703.07	4,638.11	4,618.14	23.35	20.84	58.53	-392.18	5,331.32	4,803.46	4,759.74	43.72	109.879		
4,900.00	4,800.76	4,733.98	4,713.98	23.84	21.24	58.72	-390.54	5,333.09	4,793.56	4,748.96	44.60	107.474		
5,000.00	4,898.44	4,862.47	4,842.41	24.33	21.78	58.95	-386.86	5,334.85	4,782.93	4,737.31	45.62	104.838		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,923.00	4,902.92	24.83	22.04	59.08	-386.22	5,335.80	4,772.95	4,726.57	46.37	102.922		
5,200.00	5,093.82	5,062.07	5,041.95	25.32	22.58	59.42	-389.10	5,336.88	4,763.13	4,715.74	47.39	100.507		
5,300.00	5,191.50	5,196.40	5,176.25	25.82	23.10	59.75	-391.99	5,336.41	4,752.27	4,703.88	48.39	98.215		
5,400.00	5,289.19	5,302.26	5,282.09	26.31	23.52	60.02	-394.12	5,335.69	4,741.17	4,691.88	49.29	96.195		
5,500.00	5,386.87	5,424.68	5,404.49	26.81	24.00	60.32	-396.04	5,334.35	4,729.63	4,679.38	50.25	94.125		
5,600.00	5,484.56	5,516.70	5,496.49	27.30	24.37	60.54	-397.05	5,333.29	4,718.04	4,666.93	51.11	92.313		
5,700.00	5,582.25	5,578.28	5,558.07	27.80	24.62	60.69	-397.87	5,332.76	4,706.90	4,655.04	51.86	90.754		
5,800.00	5,679.93	5,637.00	5,616.77	28.29	24.85	60.84	-399.17	5,332.83	4,696.86	4,644.26	52.61	89.284		
5,900.00	5,777.62	5,709.26	5,689.00	28.79	25.14	61.03	-401.18	5,333.32	4,687.61	4,634.21	53.39	87.795		
6,000.00	5,875.30	5,849.77	5,829.44	29.28	25.69	61.40	-405.42	5,333.63	4,678.17	4,623.75	54.43	85.955		
6,100.00	5,972.99	6,028.53	6,008.14	29.78	26.41	61.87	-409.36	5,331.68	4,667.29	4,611.70	55.59	83.956		
6,200.00	6,070.67	6,115.36	6,094.95	30.27	26.77	62.09	-410.69	5,330.23	4,655.87	4,599.42	56.44	82.486		
6,300.00	6,168.36	6,206.91	6,186.49	30.77	27.14	62.32	-411.35	5,329.27	4,644.88	4,587.56	57.32	81.041		
6,400.00	6,266.05	6,292.16	6,271.73	31.26	27.49	62.54	-412.38	5,328.06	4,633.80	4,575.64	58.16	79.667		
6,500.00	6,363.73	6,351.00	6,330.56	31.76	27.73	62.68	-412.97	5,327.88	4,623.69	4,564.77	58.92	78.475		
6,534.50	6,397.43	6,361.51	6,341.08	31.93	27.77	62.71	-413.05	5,327.93	4,620.43	4,561.29	59.14	78.123		
6,550.00	6,412.60	6,371.69	6,351.26	32.01	27.81	67.50	-413.12	5,327.99	4,619.18	4,559.92	59.26	77.944		
6,593.80	6,455.71	6,400.63	6,380.19	32.21	27.93	85.95	-413.29	5,328.24	4,617.68	4,558.09	59.59	77.488 CC		
6,600.00	6,461.82	6,404.73	6,384.29	32.24	27.95	89.18	-413.31	5,328.28	4,617.71	4,558.07	59.64	77.428 ES		
6,650.00	6,511.25	6,441.00	6,420.56	32.45	28.10	118.40	-413.46	5,328.76	4,620.15	4,560.14	60.01	76.992		
6,700.00	6,560.58	6,441.00	6,420.56	32.64	28.10	143.68	-413.46	5,328.76	4,626.61	4,566.39	60.22	76.833		
6,750.00	6,609.51	6,441.00	6,420.56	32.83	28.10	159.78	-413.46	5,328.76	4,637.24	4,576.84	60.40	76.777		
6,800.00	6,657.74	6,481.24	6,460.78	33.01	28.27	169.70	-413.45	5,329.88	4,651.35	4,590.62	60.73	76.594 SF		
6,850.00	6,704.97	6,494.46	6,473.98	33.18	28.32	176.25	-413.39	5,330.46	4,669.56	4,608.63	60.93	76.641		
6,900.00	6,750.90	6,530.00	6,509.46	33.36	28.47	-179.00	-413.06	5,332.58	4,691.65	4,630.44	61.21	76.653		
6,950.00	6,795.26	6,530.00	6,509.46	33.54	28.47	-175.22	-413.06	5,332.58	4,716.91	4,655.59	61.32	76.925		
7,000.00	6,837.77	6,530.00	6,509.46	33.73	28.47	-171.93	-413.06	5,332.58	4,745.60	4,684.18	61.41	77.274		
7,050.00	6,878.17	6,530.00	6,509.46	33.92	28.47	-168.83	-413.06	5,332.58	4,777.48	4,715.99	61.49	77.694		
7,100.00	6,916.21	6,530.00	6,509.46	34.13	28.47	-165.70	-413.06	5,332.58	4,812.30	4,750.74	61.55	78.179		
7,150.00	6,951.66	6,530.00	6,509.46	34.36	28.47	-162.34	-413.06	5,332.58	4,849.78	4,788.17	61.61	78.721		
7,200.00	6,984.29	6,530.00	6,509.46	34.61	28.47	-158.53	-413.06	5,332.58	4,889.63	4,827.98	61.65	79.314		
7,250.00	7,013.91	6,530.00	6,509.46	34.89	28.47	-154.00	-413.06	5,332.58	4,931.56	4,869.87	61.68	79.950		
7,300.00	7,040.34	6,530.00	6,509.46	35.20	28.47	-148.44	-413.06	5,332.58	4,975.24	4,913.53	61.71	80.620		
7,350.00	7,063.40	6,530.00	6,509.46	35.55	28.47	-141.39	-413.06	5,332.58	5,020.38	4,958.64	61.74	81.317		
7,400.00	7,082.97	6,530.00	6,509.46	35.94	28.47	-132.36	-413.06	5,332.58	5,066.66	5,004.89	61.76	82.032		
7,450.00	7,098.91	6,530.00	6,509.46	36.36	28.47	-120.93	-413.06	5,332.58	5,113.76	5,051.97	61.79	82.759		
7,500.00	7,111.13	6,530.00	6,509.46	36.83	28.47	-107.22	-413.06	5,332.58	5,161.38	5,099.56	61.82	83.487		
7,550.00	7,119.55	6,530.00	6,509.46	37.34	28.47	-92.35	-413.06	5,332.58	5,209.22	5,147.36	61.86	84.211		
7,600.00	7,124.13	6,530.00	6,509.46	37.88	28.47	-78.22	-413.06	5,332.58	5,256.97	5,195.07	61.90	84.923		
7,639.68	7,125.00	6,530.00	6,509.46	38.33	28.47	-68.52	-413.06	5,332.58	5,294.62	5,232.67	61.94	85.475		
7,700.00	7,124.48	6,530.00	6,509.46	39.05	28.47	-68.52	-413.06	5,332.58	5,351.63	5,289.62	62.01	86.296		
7,800.00	7,123.60	6,530.00	6,509.46	40.40	28.47	-68.52	-413.06	5,332.58	5,446.31	5,384.16	62.15	87.638		
7,900.00	7,122.72	6,530.00	6,509.46	41.90	28.47	-68.52	-413.06	5,332.58	5,541.17	5,478.89	62.29	88.961		
8,000.00	7,121.84	6,530.00	6,509.46	43.54	28.47	-68.52	-413.06	5,332.58	5,636.22	5,573.77	62.44	90.265		
8,100.00	7,120.97	6,530.00	6,509.46	45.30	28.47	-68.52	-413.06	5,332.58	5,731.43	5,668.82	62.60	91.553		
8,200.00	7,120.09	6,530.00	6,509.46	47.17	28.47	-68.52	-413.06	5,332.58	5,826.80	5,764.02	62.77	92.824		
8,300.00	7,119.21	6,530.00	6,509.46	49.13	28.47	-68.52	-413.06	5,332.58	5,922.32	5,859.37	62.95	94.081		
8,400.00	7,118.33	6,530.00	6,509.46	51.18	28.47	-68.52	-413.06	5,332.58	6,017.99	5,954.86	63.13	95.325		
8,500.00	7,117.46	6,530.00	6,509.46	53.30	28.47	-68.52	-413.06	5,332.58	6,113.80	6,050.48	63.32	96.556		
8,600.00	7,116.58	6,530.00	6,509.46	55.48	28.47	-68.52	-413.06	5,332.58	6,209.74	6,146.23	63.51	97.776		
8,700.00	7,115.70	6,530.00	6,509.46	57.72	28.47	-68.52	-413.06	5,332.58	6,305.80	6,242.10	63.70	98.985		
8,800.00	7,114.82	6,530.00	6,509.46	60.02	28.47	-68.52	-413.06	5,332.58	6,401.99	6,338.09	63.90	100.185		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	6,530.00	6,509.46	62.36	28.47	-68.52	-413.06	5,332.58	6,498.29	6,434.19	64.10	101.375		
9,000.00	7,113.07	6,530.00	6,509.46	64.74	28.47	-68.52	-413.06	5,332.58	6,594.70	6,530.40	64.30	102.557		
9,100.00	7,112.19	6,530.00	6,509.46	67.15	28.47	-68.52	-413.06	5,332.58	6,691.22	6,626.72	64.51	103.730		
9,200.00	7,111.31	6,530.00	6,509.46	69.60	28.47	-68.52	-413.06	5,332.58	6,787.84	6,723.13	64.71	104.897		
9,300.00	7,110.44	6,530.00	6,509.46	72.08	28.47	-68.52	-413.06	5,332.58	6,884.55	6,819.64	64.91	106.057		
9,400.00	7,109.56	6,530.00	6,509.46	74.58	28.47	-68.52	-413.06	5,332.58	6,981.36	6,916.24	65.12	107.210		
9,500.00	7,108.68	6,530.00	6,509.46	77.10	28.47	-68.52	-413.06	5,332.58	7,078.26	7,012.93	65.32	108.358		
9,600.00	7,107.81	6,530.00	6,509.46	79.65	28.47	-68.52	-413.06	5,332.58	7,175.24	7,109.71	65.53	109.500		
9,700.00	7,106.93	6,530.00	6,509.46	82.22	28.47	-68.52	-413.06	5,332.58	7,272.30	7,206.57	65.73	110.636		
9,800.00	7,106.05	6,530.00	6,509.46	84.80	28.47	-68.52	-413.06	5,332.58	7,369.44	7,303.51	65.93	111.768		
9,900.00	7,105.17	6,530.00	6,509.46	87.40	28.47	-68.52	-413.06	5,332.58	7,466.66	7,400.52	66.14	112.896		
10,000.00	7,104.30	6,530.00	6,509.46	90.02	28.47	-68.52	-413.06	5,332.58	7,563.95	7,497.61	66.34	114.019		
10,100.00	7,103.42	6,530.00	6,509.46	92.64	28.47	-68.52	-413.06	5,332.58	7,661.31	7,594.77	66.54	115.138		
10,200.00	7,102.54	6,530.00	6,509.46	95.28	28.47	-68.52	-413.06	5,332.58	7,758.73	7,691.99	66.74	116.253		
10,300.00	7,101.66	6,530.00	6,509.46	97.94	28.47	-68.52	-413.06	5,332.58	7,856.23	7,789.29	66.94	117.365		
10,400.00	7,100.79	6,530.00	6,509.46	100.60	28.47	-68.52	-413.06	5,332.58	7,953.78	7,886.64	67.14	118.473		
10,500.00	7,099.91	6,530.00	6,509.46	103.27	28.47	-68.52	-413.06	5,332.58	8,051.39	7,984.06	67.33	119.578		
10,600.00	7,099.03	6,530.00	6,509.46	105.95	28.47	-68.52	-413.06	5,332.58	8,149.06	8,081.54	67.53	120.679		
10,700.00	7,098.15	6,530.00	6,509.46	108.64	28.47	-68.52	-413.06	5,332.58	8,246.79	8,179.07	67.72	121.778		
10,800.00	7,097.28	6,530.00	6,509.46	111.33	28.47	-68.52	-413.06	5,332.58	8,344.57	8,276.66	67.91	122.873		
10,900.00	7,096.40	6,530.00	6,509.46	114.04	28.47	-68.52	-413.06	5,332.58	8,442.40	8,374.30	68.10	123.966		
11,000.00	7,095.52	6,530.00	6,509.46	116.74	28.47	-68.52	-413.06	5,332.58	8,540.29	8,472.00	68.29	125.056		
11,100.00	7,094.64	6,530.00	6,509.46	119.46	28.47	-68.52	-413.06	5,332.58	8,638.22	8,569.74	68.48	126.144		
11,200.00	7,093.77	6,530.00	6,509.46	122.18	28.47	-68.52	-413.06	5,332.58	8,736.20	8,667.53	68.67	127.229		
11,300.00	7,092.89	6,530.00	6,509.46	124.91	28.47	-68.52	-413.06	5,332.58	8,834.22	8,765.37	68.85	128.311		
11,400.00	7,092.01	6,530.00	6,509.46	127.64	28.47	-68.52	-413.06	5,332.58	8,932.29	8,863.26	69.03	129.392		
11,500.00	7,091.13	6,530.00	6,509.46	130.38	28.47	-68.52	-413.06	5,332.58	9,030.40	8,961.18	69.21	130.469		
11,600.00	7,090.26	6,530.00	6,509.46	133.12	28.47	-68.52	-413.06	5,332.58	9,128.55	9,059.16	69.40	131.545		
11,700.00	7,089.38	6,530.00	6,509.46	135.86	28.47	-68.52	-413.06	5,332.58	9,226.74	9,157.17	69.57	132.618		
11,800.00	7,088.50	6,530.00	6,509.46	138.61	28.47	-68.52	-413.06	5,332.58	9,324.97	9,255.22	69.75	133.689		
11,900.00	7,087.63	6,530.00	6,509.46	141.36	28.47	-68.52	-413.06	5,332.58	9,423.24	9,353.31	69.93	134.758		
12,000.00	7,086.75	6,530.00	6,509.46	144.12	28.47	-68.52	-413.06	5,332.58	9,521.54	9,451.44	70.10	135.824		
12,100.00	7,085.87	6,530.00	6,509.46	146.88	28.47	-68.52	-413.06	5,332.58	9,619.88	9,549.60	70.28	136.889		
12,200.00	7,084.99	6,530.00	6,509.46	149.64	28.47	-68.52	-413.06	5,332.58	9,718.25	9,647.80	70.45	137.951		
12,300.00	7,084.12	6,530.00	6,509.46	152.40	28.47	-68.52	-413.06	5,332.58	9,816.65	9,746.04	70.62	139.011		
12,400.00	7,083.24	6,530.00	6,509.46	155.17	28.47	-68.52	-413.06	5,332.58	9,915.09	9,844.30	70.79	140.070		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.48	-687.60	5,235.24	5,280.25					
100.00	100.00	130.01	130.00	3.28	3.29	97.49	-687.91	5,234.54	5,279.82	5,273.24	6.58	802.697		
200.00	200.00	228.91	228.90	3.34	3.34	97.49	-688.23	5,233.34	5,278.65	5,271.98	6.68	790.757		
300.00	299.98	297.66	297.64	3.44	3.41	53.00	-687.54	5,232.92	5,276.88	5,270.03	6.85	770.411		
400.00	399.84	364.00	363.96	3.61	3.49	53.07	-685.91	5,233.13	5,273.70	5,266.61	7.09	743.379		
500.00	499.45	436.96	436.84	3.81	3.61	53.16	-682.71	5,233.96	5,269.00	5,261.58	7.42	710.218		
600.00	598.70	518.34	518.05	4.06	3.78	53.29	-677.48	5,235.43	5,262.61	5,254.78	7.83	672.292		
700.00	697.47	625.09	624.46	4.35	4.04	53.48	-669.36	5,237.71	5,254.32	5,245.96	8.37	627.947		
800.00	795.62	712.24	711.28	4.66	4.28	53.72	-662.08	5,239.56	5,243.87	5,234.94	8.93	587.509		
817.50	812.73	726.04	725.02	4.73	4.32	53.76	-660.86	5,239.89	5,241.86	5,232.84	9.03	580.747		
900.00	893.32	806.95	805.55	5.01	4.57	53.83	-653.28	5,241.96	5,232.34	5,222.78	9.56	547.250		
1,000.00	991.01	929.25	927.07	5.38	5.00	53.91	-639.92	5,245.09	5,220.60	5,210.25	10.34	504.738		
1,100.00	1,088.69	1,040.73	1,037.73	5.77	5.42	53.98	-626.62	5,247.72	5,208.53	5,197.39	11.14	467.481		
1,200.00	1,186.38	1,200.00	1,179.77	6.18	6.06	54.05	-608.65	5,250.22	5,195.73	5,183.55	12.17	426.781		
1,300.00	1,284.06	1,265.92	1,261.08	6.60	6.33	54.09	-598.11	5,251.44	5,182.71	5,169.85	12.86	403.051		
1,400.00	1,381.75	1,400.00	1,536.25	7.03	6.92	54.24	-563.00	5,253.03	5,169.75	5,155.91	13.84	373.552		
1,500.00	1,479.44	1,716.23	1,708.07	7.47	8.30	54.39	-544.84	5,247.70	5,152.33	5,136.70	15.62	329.759		
1,600.00	1,577.12	1,761.00	1,752.58	7.91	8.49	54.43	-540.33	5,246.12	5,135.05	5,118.80	16.26	315.876		
1,700.00	1,674.81	1,812.00	1,803.31	8.37	8.71	54.47	-535.29	5,244.80	5,118.72	5,101.80	16.92	302.474		
1,800.00	1,772.49	1,853.00	1,844.13	8.82	8.89	54.51	-531.47	5,244.45	5,103.78	5,086.23	17.55	290.753		
1,900.00	1,870.18	1,912.94	1,903.78	9.28	9.16	54.57	-525.56	5,244.56	5,089.83	5,071.56	18.27	278.520		
2,000.00	1,967.87	2,000.00	2,109.31	9.75	9.56	54.72	-502.99	5,243.69	5,075.42	5,056.33	19.10	265.780		
2,100.00	2,065.55	2,187.74	2,176.85	10.22	10.42	54.77	-495.14	5,242.29	5,059.39	5,038.97	20.41	247.829		
2,200.00	2,163.24	2,222.00	2,210.88	10.69	10.58	54.80	-491.10	5,242.20	5,044.83	5,023.79	21.04	239.725		
2,300.00	2,260.92	2,406.90	2,394.66	11.16	11.44	54.94	-470.89	5,240.86	5,029.89	5,007.56	22.34	225.201		
2,400.00	2,358.61	2,495.55	2,482.74	11.64	11.85	55.01	-461.00	5,239.66	5,014.38	4,991.17	23.21	216.041		
2,500.00	2,456.30	2,551.06	2,537.92	12.12	12.11	55.06	-454.97	5,239.16	4,999.40	4,975.45	23.94	208.792		
2,600.00	2,553.98	2,634.35	2,620.65	12.59	12.51	55.12	-445.31	5,239.23	4,985.20	4,960.40	24.81	200.970		
2,700.00	2,651.67	2,777.84	2,763.11	13.08	13.19	55.22	-428.14	5,238.62	4,970.50	4,944.56	25.94	191.608		
2,800.00	2,749.35	2,905.92	2,890.32	13.56	13.80	55.31	-413.36	5,237.00	4,955.04	4,928.04	27.00	183.503		
2,900.00	2,847.04	2,994.06	2,977.94	14.04	14.22	55.39	-403.87	5,235.51	4,939.34	4,911.45	27.89	177.101		
3,000.00	2,944.72	3,066.17	3,049.55	14.52	14.57	55.44	-395.40	5,234.84	4,924.18	4,895.47	28.71	171.507		
3,100.00	3,042.41	3,137.00	3,119.92	15.01	14.90	55.50	-387.38	5,234.25	4,909.32	4,879.79	29.53	166.251		
3,200.00	3,140.10	3,197.21	3,179.75	15.50	15.19	55.54	-380.67	5,234.16	4,895.16	4,864.86	30.30	161.546		
3,300.00	3,237.78	3,274.68	3,256.69	15.98	15.56	55.60	-371.67	5,235.00	4,881.99	4,850.84	31.15	156.717		
3,400.00	3,335.47	3,389.54	3,370.94	16.47	16.11	55.70	-359.86	5,235.73	4,868.65	4,836.49	32.16	151.382		
3,500.00	3,433.15	3,462.13	3,443.19	16.96	16.45	55.77	-352.87	5,236.16	4,855.42	4,822.44	32.98	147.204		
3,600.00	3,530.84	3,582.05	3,562.43	17.45	17.01	55.87	-340.22	5,237.48	4,842.56	4,808.54	34.02	142.345		
3,700.00	3,628.53	3,673.00	3,652.89	17.94	17.44	55.95	-330.79	5,237.78	4,828.98	4,794.05	34.93	138.253		
3,800.00	3,726.21	3,729.35	3,708.94	18.43	17.71	56.01	-325.08	5,238.25	4,816.06	4,780.38	35.69	134.950		
3,900.00	3,823.90	3,784.98	3,764.19	18.92	17.98	56.05	-318.71	5,239.66	4,804.36	4,767.91	36.45	131.822		
4,000.00	3,921.58	3,913.48	3,891.68	19.41	18.61	56.13	-303.05	5,243.17	4,792.84	4,755.29	37.54	127.656		
4,100.00	4,019.27	4,044.22	4,021.35	19.90	19.25	56.21	-286.57	5,245.75	4,780.46	4,741.81	38.66	123.670		
4,200.00	4,116.96	4,161.90	4,138.39	20.39	19.81	56.32	-274.35	5,247.16	4,767.75	4,728.06	39.69	120.132		
4,300.00	4,214.64	4,260.03	4,236.02	20.88	20.28	56.41	-264.50	5,247.83	4,754.60	4,713.97	40.63	117.021		
4,400.00	4,312.33	4,327.54	4,303.17	21.37	20.60	56.47	-257.56	5,248.63	4,741.93	4,700.49	41.45	114.414		
4,500.00	4,410.01	4,390.99	4,366.22	21.87	20.90	56.52	-250.64	5,249.98	4,730.04	4,687.80	42.24	111.972		
4,600.00	4,507.70	4,539.29	4,513.86	22.36	21.59	56.68	-236.84	5,252.24	4,717.82	4,674.42	43.40	108.713		
4,700.00	4,605.39	4,692.13	4,666.22	22.85	22.29	56.87	-224.73	5,252.39	4,704.46	4,659.91	44.55	105.608		
4,800.00	4,703.07	4,765.21	4,739.09	23.35	22.63	56.97	-219.34	5,252.22	4,691.01	4,645.63	45.37	103.384		
4,900.00	4,800.76	4,832.00	4,805.63	23.84	22.93	57.04	-213.64	5,252.77	4,678.31	4,632.13	46.18	101.308		
5,000.00	4,898.44	4,940.82	4,913.96	24.33	23.44	57.16	-203.42	5,254.05	4,665.87	4,618.71	47.17	98.924		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,044.42	5,017.18	24.83	23.92	57.28	-194.51	5,254.88	4,653.24	4,605.12	48.12	96.696		
5,200.00	5,093.82	5,258.69	5,231.25	25.32	24.81	57.69	-187.95	5,250.66	4,638.64	4,589.23	49.41	93.883		
5,300.00	5,191.50	5,333.43	5,305.95	25.82	25.09	57.86	-187.48	5,248.31	4,623.80	4,573.61	50.20	92.113		
5,400.00	5,289.19	5,426.84	5,399.32	26.31	25.45	58.08	-187.29	5,245.65	4,609.40	4,558.36	51.04	90.306		
5,500.00	5,386.87	5,499.36	5,471.80	26.81	25.73	58.25	-187.13	5,243.63	4,595.18	4,543.36	51.82	88.674		
5,600.00	5,484.56	5,563.15	5,535.58	27.30	25.97	58.40	-187.38	5,242.33	4,581.80	4,529.23	52.57	87.154		
5,700.00	5,582.25	5,650.80	5,623.22	27.80	26.30	58.61	-187.78	5,240.90	4,568.93	4,515.53	53.40	85.568		
5,800.00	5,679.93	5,755.96	5,728.37	28.29	26.70	58.86	-188.23	5,239.28	4,556.22	4,501.94	54.28	83.944		
5,900.00	5,777.62	5,873.96	5,846.34	28.79	27.15	59.15	-188.83	5,236.89	4,543.12	4,487.92	55.20	82.304		
6,000.00	5,875.30	5,961.16	5,933.51	29.28	27.48	59.38	-189.89	5,234.89	4,530.02	4,474.00	56.02	80.861		
6,100.00	5,972.99	6,021.75	5,994.09	29.78	27.71	59.53	-190.83	5,233.72	4,517.48	4,460.72	56.76	79.582		
6,200.00	6,070.67	6,082.00	6,054.33	30.27	27.94	59.68	-190.93	5,233.51	4,506.06	4,448.55	57.51	78.356		
6,300.00	6,168.36	6,113.04	6,085.37	30.77	28.06	59.75	-190.79	5,233.82	4,495.77	4,437.62	58.15	77.319		
6,400.00	6,266.05	6,171.00	6,143.31	31.26	28.29	59.88	-190.93	5,235.12	4,486.89	4,428.02	58.87	76.211		
6,500.00	6,363.73	6,275.69	6,247.96	31.76	28.69	60.13	-191.32	5,237.84	4,478.66	4,418.90	59.77	74.934		
6,534.50	6,397.43	6,260.00	6,232.28	31.93	28.63	60.09	-191.31	5,237.49	4,475.91	4,416.03	59.88	74.743		
6,550.00	6,412.60	6,260.00	6,232.28	32.01	28.63	64.87	-191.31	5,237.49	4,474.94	4,414.98	59.96	74.632		
6,578.61	6,440.72	6,260.00	6,232.28	32.14	28.63	76.02	-191.31	5,237.49	4,474.23	4,414.14	60.09	74.454 CC, ES		
6,600.00	6,461.82	6,260.00	6,232.28	32.24	28.63	86.52	-191.31	5,237.49	4,474.63	4,414.43	60.19	74.339		
6,650.00	6,511.25	6,260.00	6,232.28	32.45	28.63	115.70	-191.31	5,237.49	4,478.64	4,418.24	60.40	74.151		
6,700.00	6,560.58	6,260.00	6,232.28	32.64	28.63	141.00	-191.31	5,237.49	4,486.94	4,426.36	60.58	74.070 SF		
6,750.00	6,609.51	6,260.00	6,232.28	32.83	28.63	157.11	-191.31	5,237.49	4,499.45	4,438.72	60.73	74.091		
6,800.00	6,657.74	6,260.00	6,232.28	33.01	28.63	167.01	-191.31	5,237.49	4,516.07	4,455.21	60.86	74.208		
6,850.00	6,704.97	6,260.00	6,232.28	33.18	28.63	173.56	-191.31	5,237.49	4,536.64	4,475.68	60.96	74.416		
6,900.00	6,750.90	6,300.31	6,272.51	33.36	28.79	178.32	-191.49	5,239.99	4,559.25	4,498.00	61.25	74.442		
6,950.00	6,795.26	6,304.56	6,276.73	33.54	28.80	-177.90	-191.53	5,240.44	4,586.77	4,525.43	61.34	74.775		
7,000.00	6,837.77	6,308.54	6,280.68	33.73	28.82	-174.63	-191.56	5,240.89	4,617.63	4,556.21	61.42	75.181		
7,050.00	6,878.17	6,349.00	6,320.63	33.92	28.97	-171.62	-192.05	5,247.22	4,653.00	4,591.33	61.67	75.450		
7,100.00	6,916.21	6,349.00	6,320.63	34.13	28.97	-168.51	-192.05	5,247.22	4,689.48	4,627.78	61.71	75.996		
7,150.00	6,951.66	6,349.00	6,320.63	34.36	28.97	-165.14	-192.05	5,247.22	4,728.53	4,666.80	61.73	76.595		
7,200.00	6,984.29	6,349.00	6,320.63	34.61	28.97	-161.26	-192.05	5,247.22	4,769.86	4,708.10	61.75	77.241		
7,250.00	7,013.91	6,349.00	6,320.63	34.89	28.97	-156.56	-192.05	5,247.22	4,813.14	4,751.37	61.77	77.924		
7,300.00	7,040.34	6,349.00	6,320.63	35.20	28.97	-150.57	-192.05	5,247.22	4,858.07	4,796.29	61.78	78.638		
7,350.00	7,063.40	6,349.00	6,320.63	35.55	28.97	-142.70	-192.05	5,247.22	4,904.32	4,842.54	61.79	79.374		
7,400.00	7,082.97	6,349.00	6,320.63	35.94	28.97	-132.13	-192.05	5,247.22	4,951.59	4,889.79	61.80	80.123		
7,450.00	7,098.91	6,349.00	6,320.63	36.36	28.97	-118.22	-192.05	5,247.22	4,999.54	4,937.73	61.82	80.878		
7,500.00	7,111.13	6,349.00	6,320.63	36.83	28.97	-101.40	-192.05	5,247.22	5,047.88	4,986.04	61.84	81.630		
7,550.00	7,119.55	6,349.00	6,320.63	37.34	28.97	-84.00	-192.05	5,247.22	5,096.30	5,034.43	61.87	82.372		
7,600.00	7,124.13	6,349.00	6,320.63	37.88	28.97	-68.88	-192.05	5,247.22	5,144.49	5,082.58	61.91	83.096		
7,639.68	7,125.00	6,349.00	6,320.63	38.33	28.97	-59.37	-192.05	5,247.22	5,182.39	5,120.44	61.95	83.654		
7,700.00	7,124.48	6,349.00	6,320.63	39.05	28.97	-59.37	-192.05	5,247.22	5,239.73	5,177.71	62.02	84.483		
7,800.00	7,123.60	6,349.00	6,320.63	40.40	28.97	-59.37	-192.05	5,247.22	5,334.93	5,272.78	62.15	85.842		
7,900.00	7,122.72	6,349.00	6,320.63	41.90	28.97	-59.37	-192.05	5,247.22	5,430.30	5,368.01	62.28	87.185		
8,000.00	7,121.84	6,349.00	6,320.63	43.54	28.97	-59.37	-192.05	5,247.22	5,525.83	5,463.40	62.43	88.516		
8,100.00	7,120.97	6,349.00	6,320.63	45.30	28.97	-59.37	-192.05	5,247.22	5,621.52	5,558.94	62.58	89.833		
8,200.00	7,120.09	6,349.00	6,320.63	47.17	28.97	-59.37	-192.05	5,247.22	5,717.36	5,654.63	62.73	91.139		
8,300.00	7,119.21	6,349.00	6,320.63	49.13	28.97	-59.37	-192.05	5,247.22	5,813.34	5,750.44	62.89	92.434		
8,400.00	7,118.33	6,349.00	6,320.63	51.18	28.97	-59.37	-192.05	5,247.22	5,909.45	5,846.39	63.06	93.718		
8,500.00	7,117.46	6,349.00	6,320.63	53.30	28.97	-59.37	-192.05	5,247.22	6,005.69	5,942.46	63.22	94.994		
8,600.00	7,116.58	6,349.00	6,320.63	55.48	28.97	-59.37	-192.05	5,247.22	6,102.04	6,038.65	63.39	96.260		
8,700.00	7,115.70	6,349.00	6,320.63	57.72	28.97	-59.37	-192.05	5,247.22	6,198.52	6,134.96	63.56	97.518		
8,800.00	7,114.82	6,349.00	6,320.63	60.02	28.97	-59.37	-192.05	5,247.22	6,295.10	6,231.37	63.74	98.768		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	6,349.00	6,320.63	62.36	28.97	-59.37	-192.05	5,247.22	6,391.79	6,327.88	63.91	100.011		
9,000.00	7,113.07	6,349.00	6,320.63	64.74	28.97	-59.37	-192.05	5,247.22	6,488.58	6,424.49	64.09	101.247		
9,100.00	7,112.19	6,349.00	6,320.63	67.15	28.97	-59.37	-192.05	5,247.22	6,585.47	6,521.20	64.26	102.477		
9,200.00	7,111.31	6,349.00	6,320.63	69.60	28.97	-59.37	-192.05	5,247.22	6,682.44	6,618.00	64.44	103.701		
9,300.00	7,110.44	6,349.00	6,320.63	72.08	28.97	-59.37	-192.05	5,247.22	6,779.51	6,714.89	64.62	104.920		
9,400.00	7,109.56	6,349.00	6,320.63	74.58	28.97	-59.37	-192.05	5,247.22	6,876.66	6,811.87	64.79	106.133		
9,500.00	7,108.68	6,307.72	6,279.87	77.10	28.81	-58.14	-191.55	5,240.79	6,972.10	6,907.30	64.81	107.583		
9,600.00	7,107.81	6,306.88	6,279.04	79.65	28.81	-58.11	-191.55	5,240.70	7,069.34	7,004.36	64.98	108.789		
9,700.00	7,106.93	6,306.07	6,278.23	82.22	28.81	-58.09	-191.54	5,240.61	7,166.65	7,101.49	65.16	109.991		
9,800.00	7,106.05	6,305.27	6,277.44	84.80	28.81	-58.06	-191.53	5,240.52	7,264.03	7,198.70	65.33	111.188		
9,900.00	7,105.17	6,304.50	6,276.67	87.40	28.80	-58.04	-191.53	5,240.43	7,361.48	7,295.98	65.50	112.381		
10,000.00	7,104.30	6,303.75	6,275.92	90.02	28.80	-58.02	-191.52	5,240.35	7,459.00	7,393.32	65.68	113.571		
10,100.00	7,103.42	6,303.01	6,275.19	92.64	28.80	-58.00	-191.51	5,240.27	7,556.58	7,490.73	65.85	114.756		
10,200.00	7,102.54	6,302.29	6,274.47	95.28	28.79	-57.98	-191.51	5,240.19	7,654.22	7,588.20	66.02	115.937		
10,300.00	7,101.66	6,301.59	6,273.77	97.94	28.79	-57.95	-191.50	5,240.12	7,751.92	7,685.73	66.19	117.115		
10,400.00	7,100.79	6,260.00	6,232.28	100.60	28.63	-56.74	-191.31	5,237.49	7,851.42	7,785.21	66.21	118.579		
10,500.00	7,099.91	6,260.00	6,232.28	103.27	28.63	-56.74	-191.31	5,237.49	7,949.18	7,882.79	66.38	119.744		
10,600.00	7,099.03	6,260.00	6,232.28	105.95	28.63	-56.74	-191.31	5,237.49	8,046.99	7,980.43	66.56	120.906		
10,700.00	7,098.15	6,260.00	6,232.28	108.64	28.63	-56.74	-191.31	5,237.49	8,144.85	8,078.13	66.73	122.065		
10,800.00	7,097.28	6,260.00	6,232.28	111.33	28.63	-56.74	-191.31	5,237.49	8,242.77	8,175.87	66.89	123.221		
10,900.00	7,096.40	6,260.00	6,232.28	114.04	28.63	-56.74	-191.31	5,237.49	8,340.73	8,273.67	67.06	124.375		
11,000.00	7,095.52	6,260.00	6,232.28	116.74	28.63	-56.74	-191.31	5,237.49	8,438.74	8,371.52	67.23	125.526		
11,100.00	7,094.64	6,260.00	6,232.28	119.46	28.63	-56.74	-191.31	5,237.49	8,536.80	8,469.41	67.39	126.674		
11,200.00	7,093.77	6,260.00	6,232.28	122.18	28.63	-56.74	-191.31	5,237.49	8,634.91	8,567.35	67.56	127.819		
11,300.00	7,092.89	6,260.00	6,232.28	124.91	28.63	-56.74	-191.31	5,237.49	8,733.05	8,665.33	67.72	128.962		
11,400.00	7,092.01	6,260.00	6,232.28	127.64	28.63	-56.74	-191.31	5,237.49	8,831.24	8,763.36	67.88	130.103		
11,500.00	7,091.13	6,260.00	6,232.28	130.38	28.63	-56.74	-191.31	5,237.49	8,929.47	8,861.43	68.04	131.241		
11,600.00	7,090.26	6,260.00	6,232.28	133.12	28.63	-56.74	-191.31	5,237.49	9,027.73	8,959.54	68.20	132.376		
11,700.00	7,089.38	6,260.00	6,232.28	135.86	28.63	-56.74	-191.31	5,237.49	9,126.04	9,057.68	68.36	133.509		
11,800.00	7,088.50	6,260.00	6,232.28	138.61	28.63	-56.74	-191.31	5,237.49	9,224.38	9,155.87	68.51	134.640		
11,900.00	7,087.63	6,260.00	6,232.28	141.36	28.63	-56.74	-191.31	5,237.49	9,322.75	9,254.09	68.67	135.768		
12,000.00	7,086.75	6,260.00	6,232.28	144.12	28.63	-56.74	-191.31	5,237.49	9,421.17	9,352.34	68.82	136.894		
12,100.00	7,085.87	6,260.00	6,232.28	146.88	28.63	-56.74	-191.31	5,237.49	9,519.61	9,450.63	68.97	138.017		
12,200.00	7,084.99	6,260.00	6,232.28	149.64	28.63	-56.74	-191.31	5,237.49	9,618.08	9,548.96	69.13	139.138		
12,300.00	7,084.12	6,260.00	6,232.28	152.40	28.63	-56.74	-191.31	5,237.49	9,716.59	9,647.31	69.28	140.257		
12,400.00	7,083.24	6,260.00	6,232.28	155.17	28.63	-56.74	-191.31	5,237.49	9,815.13	9,745.70	69.43	141.373		
12,500.00	7,082.36	6,260.00	6,232.28	157.94	28.63	-56.74	-191.31	5,237.49	9,913.69	9,844.12	69.58	142.487		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-73.07	1,789.78	-5,881.33	6,147.63					
100.00	100.00	133.00	133.00	3.28	4.38	-73.07	1,789.78	-5,881.33	6,147.63	6,139.97	7.66	802.434		
200.00	200.00	233.00	233.00	3.34	7.18	-73.07	1,789.78	-5,881.33	6,147.63	6,137.11	10.52	584.466		
300.00	299.98	332.98	332.98	3.44	10.41	-117.59	1,789.78	-5,881.33	6,148.44	6,134.59	13.85	443.827		
400.00	399.84	432.84	432.84	3.61	13.76	-117.59	1,789.78	-5,881.33	6,150.87	6,133.50	17.36	354.247		
500.00	499.45	532.45	532.45	3.81	17.16	-117.59	1,789.78	-5,881.33	6,154.92	6,133.95	20.96	293.594		
600.00	598.70	631.70	631.70	4.06	20.57	-117.59	1,789.78	-5,881.33	6,160.60	6,135.98	24.62	250.228		
700.00	697.47	730.47	730.47	4.35	23.98	-117.59	1,789.78	-5,881.33	6,167.91	6,139.60	28.31	217.863		
800.00	795.62	828.62	828.62	4.66	27.38	-117.59	1,789.78	-5,881.33	6,176.88	6,144.85	32.02	192.882		
817.50	812.73	845.73	845.73	4.73	27.97	-117.58	1,789.78	-5,881.33	6,178.62	6,145.94	32.68	189.086		
900.00	893.32	926.32	926.32	5.01	30.77	-117.73	1,789.78	-5,881.33	6,186.96	6,151.20	35.76	173.035		
1,000.00	991.01	1,024.01	1,024.01	5.38	34.16	-117.90	1,789.78	-5,881.33	6,197.12	6,157.61	39.51	156.839		
1,100.00	1,088.69	1,121.69	1,121.69	5.77	37.56	-118.07	1,789.78	-5,881.33	6,207.34	6,164.05	43.29	143.386		
1,200.00	1,186.38	1,219.38	1,219.38	6.18	40.95	-118.24	1,789.78	-5,881.33	6,217.62	6,170.53	47.09	132.045		
1,300.00	1,284.06	1,317.06	1,317.06	6.60	44.35	-118.41	1,789.78	-5,881.33	6,227.95	6,177.06	50.90	122.364		
1,400.00	1,381.75	1,414.75	1,414.75	7.03	47.76	-118.58	1,789.78	-5,881.33	6,238.34	6,183.62	54.72	114.009		
1,500.00	1,479.44	1,512.44	1,512.44	7.47	51.16	-118.75	1,789.78	-5,881.33	6,248.79	6,190.24	58.55	106.728		
1,600.00	1,577.12	1,610.12	1,610.12	7.91	54.56	-118.92	1,789.78	-5,881.33	6,259.29	6,196.90	62.39	100.330		
1,700.00	1,674.81	1,707.81	1,707.81	8.37	57.97	-119.09	1,789.78	-5,881.33	6,269.85	6,203.61	66.23	94.665		
1,800.00	1,772.49	1,805.49	1,805.49	8.82	61.37	-119.25	1,789.78	-5,881.33	6,280.46	6,210.38	70.08	89.616		
1,900.00	1,870.18	1,903.18	1,903.18	9.28	64.78	-119.42	1,789.78	-5,881.33	6,291.12	6,217.19	73.94	85.088		
2,000.00	1,967.87	2,000.87	2,000.87	9.75	68.18	-119.59	1,789.78	-5,881.33	6,301.84	6,224.05	77.80	81.005		
2,100.00	2,065.55	2,101.45	2,098.55	10.22	71.69	-119.75	1,789.78	-5,881.33	6,312.62	6,230.86	81.76	77.210		
2,200.00	2,163.24	2,203.76	2,196.24	10.69	75.26	-119.92	1,789.78	-5,881.33	6,323.45	6,237.66	85.79	73.712		
2,300.00	2,260.92	2,306.08	2,293.92	11.16	78.83	-120.08	1,789.78	-5,881.33	6,334.33	6,244.52	89.81	70.527		
2,400.00	2,358.61	2,408.39	2,391.61	11.64	82.40	-120.25	1,789.78	-5,881.33	6,345.27	6,251.42	93.85	67.613		
2,500.00	2,456.30	2,489.30	2,489.30	12.12	85.22	-120.41	1,789.78	-5,881.33	6,356.26	6,259.13	97.13	65.439		
2,600.00	2,553.98	2,586.98	2,586.98	12.59	88.63	-120.57	1,789.78	-5,881.33	6,367.30	6,266.29	101.01	63.039		
2,700.00	2,651.67	2,684.67	2,684.67	13.08	92.03	-120.74	1,789.78	-5,881.33	6,378.40	6,273.51	104.88	60.815		
2,800.00	2,749.35	2,782.35	2,782.35	13.56	95.44	-120.90	1,789.78	-5,881.33	6,389.54	6,280.78	108.76	58.750		
2,900.00	2,847.04	2,880.04	2,880.04	14.04	98.85	-121.06	1,789.78	-5,881.33	6,400.74	6,288.11	112.64	56.827		
3,000.00	2,944.72	2,977.72	2,977.72	14.52	102.26	-121.22	1,789.78	-5,881.33	6,411.99	6,295.48	116.51	55.032		
3,100.00	3,042.41	3,075.41	3,075.41	15.01	105.67	-121.38	1,789.78	-5,881.33	6,423.30	6,302.90	120.39	53.353		
3,200.00	3,140.10	3,173.10	3,173.10	15.50	109.08	-121.54	1,789.78	-5,881.33	6,434.65	6,310.38	124.27	51.778		
3,300.00	3,237.78	3,270.78	3,270.78	15.98	112.49	-121.70	1,789.78	-5,881.33	6,446.05	6,317.90	128.15	50.299		
3,400.00	3,335.47	3,368.47	3,368.47	16.47	115.89	-121.86	1,789.78	-5,881.33	6,457.51	6,325.47	132.04	48.907		
3,500.00	3,433.15	3,466.15	3,466.15	16.96	119.30	-122.02	1,789.78	-5,881.33	6,469.02	6,333.10	135.92	47.595		
3,600.00	3,530.84	3,563.84	3,563.84	17.45	122.71	-122.18	1,789.78	-5,881.33	6,480.57	6,340.77	139.80	46.356		
3,700.00	3,628.53	3,661.53	3,661.53	17.94	126.12	-122.33	1,789.78	-5,881.33	6,492.18	6,348.49	143.68	45.184		
3,800.00	3,726.21	3,759.21	3,759.21	18.43	129.53	-122.49	1,789.78	-5,881.33	6,503.83	6,356.27	147.57	44.074		
3,900.00	3,823.90	3,856.90	3,856.90	18.92	132.94	-122.65	1,789.78	-5,881.33	6,515.54	6,364.09	151.45	43.021		
4,000.00	3,921.58	3,954.58	3,954.58	19.41	136.35	-122.80	1,789.78	-5,881.33	6,527.29	6,371.96	155.34	42.021		
4,100.00	4,019.27	4,052.27	4,052.27	19.90	139.76	-122.96	1,789.78	-5,881.33	6,539.10	6,379.88	159.22	41.070		
4,200.00	4,116.96	4,149.96	4,149.96	20.39	143.17	-123.11	1,789.78	-5,881.33	6,550.95	6,387.84	163.10	40.164		
4,300.00	4,214.64	4,247.64	4,247.64	20.88	146.58	-123.26	1,789.78	-5,881.33	6,562.85	6,395.86	166.99	39.301		
4,400.00	4,312.33	4,345.33	4,345.33	21.37	149.99	-123.42	1,789.78	-5,881.33	6,574.79	6,403.92	170.88	38.477		
4,500.00	4,410.01	4,443.01	4,443.01	21.87	153.40	-123.57	1,789.78	-5,881.33	6,586.79	6,412.03	174.76	37.690		
4,600.00	4,507.70	4,540.70	4,540.70	22.36	156.80	-123.72	1,789.78	-5,881.33	6,598.83	6,420.19	178.65	36.938		
4,700.00	4,605.39	4,638.39	4,638.39	22.85	160.21	-123.87	1,789.78	-5,881.33	6,610.92	6,428.39	182.53	36.218		
4,800.00	4,703.07	4,736.07	4,736.07	23.35	163.62	-124.03	1,789.78	-5,881.33	6,623.06	6,436.64	186.42	35.528		
4,900.00	4,800.76	4,833.76	4,833.76	23.84	167.03	-124.18	1,789.78	-5,881.33	6,635.25	6,444.94	190.30	34.867		
5,000.00	4,898.44	4,931.44	4,931.44	24.33	170.44	-124.33	1,789.78	-5,881.33	6,647.48	6,453.29	194.19	34.232		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,029.13	5,029.13	24.83	173.85	-124.48	1,789.78	-5,881.33	6,659.75	6,461.68	198.08	33.622		
5,200.00	5,093.82	5,126.82	5,126.82	25.32	177.26	-124.63	1,789.78	-5,881.33	6,672.08	6,470.11	201.96	33.036		
5,300.00	5,191.50	5,224.50	5,224.50	25.82	180.67	-124.77	1,789.78	-5,881.33	6,684.44	6,478.60	205.85	32.473		
5,400.00	5,289.19	5,322.19	5,322.19	26.31	184.08	-124.92	1,789.78	-5,881.33	6,696.86	6,487.12	209.73	31.930		
5,500.00	5,386.87	5,419.87	5,419.87	26.81	187.49	-125.07	1,789.78	-5,881.33	6,709.32	6,495.70	213.62	31.408		
5,600.00	5,484.56	5,517.56	5,517.56	27.30	190.90	-125.22	1,789.78	-5,881.33	6,721.82	6,504.32	217.51	30.904		
5,700.00	5,582.25	5,615.25	5,615.25	27.80	194.31	-125.36	1,789.78	-5,881.33	6,734.37	6,512.98	221.39	30.418		
5,800.00	5,679.93	5,712.93	5,712.93	28.29	197.72	-125.51	1,789.78	-5,881.33	6,746.96	6,521.68	225.28	29.949		
5,900.00	5,777.62	5,810.62	5,810.62	28.79	201.13	-125.65	1,789.78	-5,881.33	6,759.60	6,530.44	229.17	29.497		
6,000.00	5,875.30	5,908.30	5,908.30	29.28	204.54	-125.80	1,789.78	-5,881.33	6,772.28	6,539.23	233.05	29.059		
6,100.00	5,972.99	6,005.99	6,005.99	29.78	207.95	-125.94	1,789.78	-5,881.33	6,785.01	6,548.07	236.94	28.636		
6,200.00	6,070.67	6,103.67	6,103.67	30.27	211.36	-126.09	1,789.78	-5,881.33	6,797.78	6,556.95	240.82	28.227		
6,300.00	6,168.36	6,201.36	6,201.36	30.77	214.77	-126.23	1,789.78	-5,881.33	6,810.59	6,565.88	244.71	27.831		
6,400.00	6,266.05	6,300.95	6,299.05	31.26	218.25	-126.37	1,789.78	-5,881.33	6,823.44	6,574.78	248.66	27.440		
6,500.00	6,363.73	6,403.27	6,396.73	31.76	221.82	-126.51	1,789.78	-5,881.33	6,836.34	6,583.63	252.71	27.052		
6,534.50	6,397.43	6,430.43	6,430.43	31.93	222.77	-126.56	1,789.78	-5,881.33	6,840.80	6,586.98	253.82	26.951		
6,550.00	6,412.60	6,445.60	6,445.60	32.01	223.30	-121.81	1,789.78	-5,881.33	6,842.62	6,588.19	254.43	26.894		
6,600.00	6,461.82	6,505.18	6,494.82	32.24	225.37	-100.27	1,789.78	-5,881.33	6,845.97	6,589.24	256.73	26.666		
6,650.00	6,511.25	6,544.25	6,544.25	32.45	226.74	-71.24	1,789.78	-5,881.33	6,845.46	6,587.15	258.31	26.501		
6,700.00	6,560.58	6,606.42	6,593.58	32.64	228.91	-46.15	1,789.78	-5,881.33	6,841.09	6,580.42	260.67	26.244		
6,750.00	6,609.51	6,642.51	6,642.51	32.83	230.17	-30.30	1,789.78	-5,881.33	6,832.88	6,570.77	262.10	26.069		
6,800.00	6,657.74	6,709.26	6,690.74	33.01	232.50	-20.73	1,789.78	-5,881.33	6,820.88	6,556.29	264.59	25.779		
6,850.00	6,704.97	6,737.97	6,737.97	33.18	233.50	-14.59	1,789.78	-5,881.33	6,805.17	6,539.43	265.73	25.609		
6,900.00	6,750.90	6,783.90	6,783.90	33.36	235.10	-10.33	1,789.78	-5,881.33	6,785.83	6,518.37	267.46	25.371		
6,950.00	6,795.26	6,828.26	6,828.26	33.54	236.65	-7.14	1,789.78	-5,881.33	6,763.00	6,493.88	269.12	25.130		
7,000.00	6,837.77	6,870.77	6,870.77	33.73	238.14	-4.59	1,789.78	-5,881.33	6,736.80	6,466.10	270.70	24.886		
7,050.00	6,878.17	6,911.17	6,911.17	33.92	239.55	-2.41	1,789.78	-5,881.33	6,707.40	6,435.20	272.20	24.642		
7,100.00	6,916.21	6,949.21	6,949.21	34.13	240.87	-0.42	1,789.78	-5,881.33	6,674.98	6,401.38	273.59	24.397		
7,150.00	6,951.66	6,984.66	6,984.66	34.36	242.11	1.53	1,789.78	-5,881.33	6,639.73	6,364.84	274.89	24.154		
7,200.00	6,984.29	7,017.29	7,017.29	34.61	243.25	3.56	1,789.78	-5,881.33	6,601.88	6,325.81	276.08	23.913		
7,250.00	7,013.91	7,046.91	7,046.91	34.89	244.28	5.81	1,789.78	-5,881.33	6,561.66	6,284.51	277.15	23.676		
7,300.00	7,040.34	7,073.34	7,073.34	35.20	245.21	8.47	1,789.78	-5,881.33	6,519.32	6,241.22	278.10	23.442		
7,350.00	7,063.40	7,103.60	7,096.40	35.55	246.26	11.81	1,789.78	-5,881.33	6,475.12	6,195.94	279.18	23.193		
7,400.00	7,082.97	7,115.97	7,115.97	35.94	246.70	16.28	1,789.78	-5,881.33	6,429.33	6,149.70	279.63	22.992		
7,450.00	7,098.91	7,131.91	7,131.91	36.36	247.25	22.68	1,789.78	-5,881.33	6,382.25	6,102.05	280.20	22.777		
7,500.00	7,111.13	7,144.13	7,144.13	36.83	247.68	32.44	1,789.78	-5,881.33	6,334.15	6,053.51	280.64	22.570		
7,550.00	7,119.55	7,152.55	7,152.55	37.34	247.97	48.02	1,789.78	-5,881.33	6,285.34	6,004.39	280.95	22.372		
7,600.00	7,124.13	7,157.13	7,157.13	37.88	248.13	71.50	1,789.78	-5,881.33	6,236.12	5,955.00	281.12	22.183		
7,639.68	7,125.00	7,158.00	7,158.00	38.33	248.16	92.98	1,789.78	-5,881.33	6,196.98	5,915.81	281.17	22.040		
7,700.00	7,124.48	7,157.48	7,157.48	39.05	248.14	92.95	1,789.78	-5,881.33	6,137.50	5,856.33	281.18	21.828		
7,800.00	7,123.60	7,156.60	7,156.60	40.40	248.11	92.90	1,789.78	-5,881.33	6,038.95	5,757.75	281.20	21.476		
7,900.00	7,122.72	7,155.72	7,155.72	41.90	248.08	92.85	1,789.78	-5,881.33	5,940.44	5,659.20	281.24	21.123		
8,000.00	7,121.84	7,154.84	7,154.84	43.54	248.05	92.81	1,789.78	-5,881.33	5,841.98	5,560.70	281.28	20.769		
8,100.00	7,120.97	7,153.97	7,153.97	45.30	248.02	92.76	1,789.78	-5,881.33	5,743.58	5,462.23	281.35	20.415		
8,200.00	7,120.09	7,153.09	7,153.09	47.17	247.99	92.71	1,789.78	-5,881.33	5,645.23	5,363.81	281.42	20.060		
8,300.00	7,119.21	7,152.21	7,152.21	49.13	247.96	92.66	1,789.78	-5,881.33	5,546.94	5,265.43	281.51	19.704		
8,400.00	7,118.33	7,151.33	7,151.33	51.18	247.93	92.61	1,789.78	-5,881.33	5,448.71	5,167.09	281.62	19.347		
8,500.00	7,117.46	7,150.46	7,150.46	53.30	247.90	92.56	1,789.78	-5,881.33	5,350.55	5,068.80	281.75	18.990		
8,600.00	7,116.58	7,149.58	7,149.58	55.48	247.87	92.51	1,789.78	-5,881.33	5,252.46	4,970.56	281.90	18.632		
8,700.00	7,115.70	7,148.70	7,148.70	57.72	247.84	92.46	1,789.78	-5,881.33	5,154.44	4,872.37	282.07	18.274		
8,800.00	7,114.82	7,147.82	7,147.82	60.02	247.81	92.42	1,789.78	-5,881.33	5,056.50	4,774.24	282.26	17.914		
8,900.00	7,113.95	7,146.95	7,146.95	62.36	247.78	92.37	1,789.78	-5,881.33	4,958.64	4,676.16	282.48	17.554		

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 32C-6-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 32C-6-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		
9,000.00	7,113.07	7,146.07	7,146.07	64.74	247.75	92.32	1,789.78	-5,881.33	4,860.87	4,578.14	282.73	17.193		
9,100.00	7,112.19	7,145.19	7,145.19	67.15	247.72	92.27	1,789.78	-5,881.33	4,763.19	4,480.18	283.00	16.831		
9,200.00	7,111.31	7,144.31	7,144.31	69.60	247.68	92.22	1,789.78	-5,881.33	4,665.60	4,382.30	283.31	16.468		
9,300.00	7,110.44	7,143.44	7,143.44	72.08	247.65	92.17	1,789.78	-5,881.33	4,568.13	4,284.48	283.65	16.105		
9,400.00	7,109.56	7,142.56	7,142.56	74.58	247.62	92.12	1,789.78	-5,881.33	4,470.76	4,186.73	284.03	15.740		
9,500.00	7,108.68	7,141.68	7,141.68	77.10	247.59	92.07	1,789.78	-5,881.33	4,373.51	4,089.06	284.45	15.375		
9,600.00	7,107.81	7,140.81	7,140.81	79.65	247.56	92.03	1,789.78	-5,881.33	4,276.39	3,991.48	284.91	15.010		
9,700.00	7,106.93	7,139.93	7,139.93	82.22	247.53	91.98	1,789.78	-5,881.33	4,179.41	3,893.98	285.42	14.643		
9,800.00	7,106.05	7,139.05	7,139.05	84.80	247.50	91.93	1,789.78	-5,881.33	4,082.57	3,796.58	285.98	14.276		
9,900.00	7,105.17	7,138.17	7,138.17	87.40	247.47	91.88	1,789.78	-5,881.33	3,985.88	3,699.28	286.60	13.908		
10,000.00	7,104.30	7,137.30	7,137.30	90.02	247.44	91.83	1,789.78	-5,881.33	3,889.36	3,602.09	287.27	13.539		
10,100.00	7,103.42	7,136.42	7,136.42	92.64	247.41	91.78	1,789.78	-5,881.33	3,793.03	3,505.02	288.01	13.170		
10,200.00	7,102.54	7,135.54	7,135.54	95.28	247.38	91.73	1,789.78	-5,881.33	3,696.88	3,408.06	288.82	12.800		
10,300.00	7,101.66	7,134.66	7,134.66	97.94	247.35	91.68	1,789.78	-5,881.33	3,600.95	3,311.25	289.70	12.430		
10,400.00	7,100.79	7,133.79	7,133.79	100.60	247.32	91.64	1,789.78	-5,881.33	3,505.25	3,214.58	290.67	12.059		
10,500.00	7,099.91	7,132.91	7,132.91	103.27	247.29	91.59	1,789.78	-5,881.33	3,409.79	3,118.06	291.73	11.688		
10,600.00	7,099.03	7,132.03	7,132.03	105.95	247.26	91.54	1,789.78	-5,881.33	3,314.60	3,021.72	292.88	11.317		
10,700.00	7,098.15	7,131.15	7,131.15	108.64	247.23	91.49	1,789.78	-5,881.33	3,219.70	2,925.57	294.13	10.947		
10,800.00	7,097.28	7,130.28	7,130.28	111.33	247.19	91.44	1,789.78	-5,881.33	3,125.11	2,829.62	295.50	10.576		
10,900.00	7,096.40	7,129.40	7,129.40	114.04	247.16	91.39	1,789.78	-5,881.33	3,030.88	2,733.89	296.99	10.205		
11,000.00	7,095.52	7,128.52	7,128.52	116.74	247.13	91.34	1,789.78	-5,881.33	2,937.02	2,638.42	298.61	9.836		
11,100.00	7,094.64	7,127.64	7,127.64	119.46	247.10	91.29	1,789.78	-5,881.33	2,843.59	2,543.21	300.38	9.467		
11,200.00	7,093.77	7,126.77	7,126.77	122.18	247.07	91.25	1,789.78	-5,881.33	2,750.62	2,448.31	302.30	9.099		
11,300.00	7,092.89	7,125.89	7,125.89	124.91	247.04	91.20	1,789.78	-5,881.33	2,658.15	2,353.75	304.40	8.733		
11,400.00	7,092.01	7,125.01	7,125.01	127.64	247.01	91.15	1,789.78	-5,881.33	2,566.25	2,259.57	306.68	8.368		
11,500.00	7,091.13	7,124.13	7,124.13	130.38	246.98	91.10	1,789.78	-5,881.33	2,474.98	2,165.81	309.17	8.005		
11,600.00	7,090.26	7,123.26	7,123.26	133.12	246.95	91.05	1,789.78	-5,881.33	2,384.41	2,072.53	311.88	7.645		
11,700.00	7,089.38	7,122.38	7,122.38	135.86	246.92	91.00	1,789.78	-5,881.33	2,294.62	1,979.78	314.84	7.288		
11,800.00	7,088.50	7,121.50	7,121.50	138.61	246.89	90.95	1,789.78	-5,881.33	2,205.71	1,887.65	318.06	6.935		
11,900.00	7,087.63	7,120.63	7,120.63	141.36	246.86	90.90	1,789.78	-5,881.33	2,117.79	1,796.22	321.58	6.586		
12,000.00	7,086.75	7,119.75	7,119.75	144.12	246.83	90.85	1,789.78	-5,881.33	2,030.99	1,705.58	325.41	6.241		
12,100.00	7,085.87	7,118.87	7,118.87	146.88	246.80	90.81	1,789.78	-5,881.33	1,945.45	1,615.87	329.59	5.903		
12,200.00	7,084.99	7,117.99	7,117.99	149.64	246.77	90.76	1,789.78	-5,881.33	1,861.36	1,527.22	334.14	5.571		
12,300.00	7,084.12	7,117.12	7,117.12	152.40	246.74	90.71	1,789.78	-5,881.33	1,778.91	1,439.81	339.10	5.246		
12,400.00	7,083.24	7,116.24	7,116.24	155.17	246.70	90.66	1,789.78	-5,881.33	1,698.35	1,353.86	344.50	4.930		
12,500.00	7,082.36	7,115.36	7,115.36	157.94	246.67	90.61	1,789.78	-5,881.33	1,619.96	1,269.61	350.35	4.624		
12,600.00	7,081.48	7,114.48	7,114.48	160.71	246.64	90.56	1,789.78	-5,881.33	1,544.06	1,187.37	356.69	4.329		
12,700.00	7,080.61	7,113.61	7,113.61	163.49	246.61	90.51	1,789.78	-5,881.33	1,471.05	1,107.53	363.52	4.047		
12,800.00	7,079.73	7,112.73	7,112.73	166.27	246.58	90.46	1,789.78	-5,881.33	1,401.38	1,030.54	370.83	3.779		
12,900.00	7,078.85	7,111.85	7,111.85	169.04	246.55	90.42	1,789.78	-5,881.33	1,335.56	956.96	378.60	3.528		
13,000.00	7,077.97	7,110.97	7,110.97	171.83	246.52	90.37	1,789.78	-5,881.33	1,274.19	887.45	386.74	3.295		
13,100.00	7,077.10	7,110.10	7,110.10	174.61	246.49	90.32	1,789.78	-5,881.33	1,217.96	822.81	395.15	3.082		
13,200.00	7,076.22	7,109.22	7,109.22	177.39	246.46	90.27	1,789.78	-5,881.33	1,167.60	763.94	403.65	2.893		
13,300.00	7,075.34	7,108.34	7,108.34	180.18	246.43	90.22	1,789.78	-5,881.33	1,123.89	711.89	412.01	2.728		
13,400.00	7,074.46	7,107.46	7,107.46	182.97	246.40	90.17	1,789.78	-5,881.33	1,087.65	667.75	419.90	2.590		
13,500.00	7,073.59	7,106.59	7,106.59	185.76	246.37	90.12	1,789.78	-5,881.33	1,059.64	632.64	427.00	2.482		
13,600.00	7,072.71	7,105.71	7,105.71	188.55	246.34	90.07	1,789.78	-5,881.33	1,040.52	607.58	432.94	2.403		
13,700.00	7,071.83	7,104.83	7,104.83	191.34	246.31	90.02	1,789.78	-5,881.33	1,030.79	593.38	437.42	2.357		
13,750.77	7,071.39	7,104.39	7,104.39	192.76	246.29	90.00	1,789.78	-5,881.33	1,029.54	590.49	439.05	2.345 CC, ES		
13,800.00	7,070.95	7,103.95	7,103.95	194.14	246.28	89.98	1,789.78	-5,881.33	1,030.72	590.51	440.21	2.341 SF		
13,900.00	7,070.08	7,103.08	7,103.08	196.93	246.25	89.93	1,789.78	-5,881.33	1,040.30	599.07	441.23	2.358		
14,000.00	7,069.20	7,102.20	7,102.20	199.73	246.21	89.88	1,789.78	-5,881.33	1,059.28	618.73	440.55	2.404		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,100.00	7,068.32	7,101.32	7,101.32	202.53	246.18	89.83	1,789.78	-5,881.33	1,087.16	648.79	438.36	2.480		
14,200.00	7,067.45	7,100.45	7,100.45	205.33	246.15	89.78	1,789.78	-5,881.33	1,123.28	688.34	434.94	2.583		
14,300.00	7,066.57	7,100.43	7,099.57	208.13	246.15	89.73	1,789.78	-5,881.33	1,166.87	736.26	430.61	2.710		
14,400.00	7,065.69	7,101.31	7,098.69	210.93	246.18	89.68	1,789.78	-5,881.33	1,217.14	791.45	425.69	2.859		
14,500.00	7,064.81	7,102.19	7,097.81	213.73	246.21	89.63	1,789.78	-5,881.33	1,273.29	852.91	420.38	3.029		
14,600.00	7,063.94	7,103.06	7,096.94	216.54	246.24	89.59	1,789.78	-5,881.33	1,334.58	919.66	414.92	3.217		
14,700.00	7,063.06	7,103.94	7,096.06	219.34	246.28	89.54	1,789.78	-5,881.33	1,400.33	990.89	409.44	3.420		
14,800.00	7,062.18	7,104.82	7,095.18	222.15	246.31	89.49	1,789.78	-5,881.33	1,469.95	1,065.87	404.08	3.638		
14,900.00	7,061.30	7,105.70	7,094.30	224.95	246.34	89.44	1,789.78	-5,881.33	1,542.92	1,144.01	398.91	3.868		
15,000.00	7,060.43	7,106.57	7,093.43	227.76	246.37	89.39	1,789.78	-5,881.33	1,618.77	1,224.81	393.96	4.109		
15,100.00	7,059.55	7,107.45	7,092.55	230.57	246.40	89.34	1,789.78	-5,881.33	1,697.13	1,307.85	389.28	4.360		
15,200.00	7,058.67	7,108.33	7,091.67	233.38	246.43	89.29	1,789.78	-5,881.33	1,777.66	1,392.79	384.87	4.619		
15,300.00	7,057.79	7,109.21	7,090.79	236.19	246.46	89.24	1,789.78	-5,881.33	1,860.08	1,479.35	380.73	4.886		
15,400.00	7,056.92	7,089.92	7,089.92	239.00	245.79	89.19	1,789.78	-5,881.33	1,944.15	1,568.00	376.14	5.169		
15,500.00	7,056.04	7,089.04	7,089.04	241.81	245.76	89.15	1,789.78	-5,881.33	2,029.66	1,657.20	372.46	5.449		
15,600.00	7,055.16	7,088.16	7,088.16	244.62	245.72	89.10	1,789.78	-5,881.33	2,116.45	1,747.43	369.01	5.735		
15,700.00	7,054.28	7,087.28	7,087.28	247.43	245.69	89.05	1,789.78	-5,881.33	2,204.35	1,838.56	365.79	6.026		
15,800.00	7,053.41	7,086.41	7,086.41	250.25	245.66	89.00	1,789.78	-5,881.33	2,293.25	1,930.47	362.78	6.321		
15,846.35	7,053.00	7,086.00	7,086.00	251.55	245.65	88.98	1,789.78	-5,881.33	2,334.75	1,973.30	361.45	6.459		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	15,765.81	7,060.91	3.28	285.73	-1.41	1,482.60	-36.46	7,260.00					
100.00	100.00	15,765.76	7,060.91	3.28	285.73	-1.41	1,482.59	-36.50	7,162.14	7,046.75	115.39	62.070		
200.00	200.00	15,765.72	7,060.91	3.34	285.72	-1.41	1,482.59	-36.54	7,064.33	6,948.62	115.71	61.052		
300.00	299.98	15,766.67	7,060.91	3.44	285.76	-53.35	1,482.62	-35.59	6,966.35	6,850.32	116.04	60.034		
400.00	399.84	15,769.61	7,060.91	3.61	285.85	-62.35	1,482.70	-32.66	6,868.03	6,751.67	116.36	59.025		
500.00	499.45	15,774.53	7,060.90	3.81	286.01	-72.90	1,482.84	-27.74	6,769.47	6,652.81	116.66	58.029		
600.00	598.70	15,781.45	7,060.90	4.06	286.24	-84.62	1,483.04	-20.83	6,670.77	6,553.83	116.94	57.047		
700.00	697.47	15,790.36	7,060.90	4.35	286.53	-96.67	1,483.31	-11.92	6,572.04	6,454.85	117.19	56.080		
800.00	795.62	15,801.28	7,060.89	4.66	286.89	-108.06	1,483.67	-1.01	6,473.40	6,355.98	117.42	55.130		
817.50	812.73	15,803.39	7,060.89	4.73	286.96	-109.92	1,483.74	1.11	6,456.16	6,338.70	117.46	54.966		
900.00	893.32	15,814.00	7,060.88	5.01	287.31	-109.68	1,484.11	11.71	6,374.88	6,257.24	117.64	54.190		
1,000.00	991.01	15,829.67	7,060.88	5.38	287.82	-109.32	1,484.66	27.37	6,276.38	6,158.46	117.91	53.229		
1,100.00	1,088.69	15,845.95	7,060.88	5.77	288.36	-108.94	1,485.20	43.65	6,177.88	6,059.68	118.20	52.266		
1,200.00	1,186.38	15,862.24	7,060.88	6.18	288.89	-108.54	1,485.71	59.92	6,079.39	5,960.89	118.50	51.303		
1,300.00	1,284.06	15,878.53	7,060.88	6.60	289.43	-108.14	1,486.19	76.20	5,980.91	5,862.10	118.81	50.340		
1,400.00	1,381.75	15,894.82	7,060.90	7.03	289.96	-107.73	1,486.65	92.48	5,882.43	5,763.30	119.13	49.378		
1,500.00	1,479.44	15,911.10	7,060.91	7.47	290.50	-107.31	1,487.08	108.77	5,783.97	5,664.50	119.46	48.417		
1,600.00	1,577.12	15,927.40	7,060.93	7.91	291.03	-106.87	1,487.48	125.05	5,685.51	5,565.70	119.81	47.456		
1,700.00	1,674.81	15,943.69	7,060.96	8.37	291.57	-106.43	1,487.85	141.34	5,587.06	5,466.90	120.16	46.496		
1,800.00	1,772.49	15,957.39	7,060.98	8.82	292.02	-106.04	1,488.17	155.04	5,488.63	5,368.13	120.50	45.550		
1,900.00	1,870.18	15,971.69	7,060.99	9.28	292.49	-105.63	1,488.53	169.33	5,390.22	5,269.36	120.86	44.600		
2,000.00	1,967.87	15,986.00	7,061.01	9.75	292.96	-105.21	1,488.92	183.64	5,291.82	5,170.59	121.23	43.651		
2,100.00	2,065.55	16,000.33	7,061.02	10.22	293.43	-104.77	1,489.32	197.96	5,193.44	5,071.81	121.62	42.700		
2,200.00	2,163.24	16,014.67	7,061.04	10.69	293.90	-104.32	1,489.75	212.30	5,095.08	4,973.04	122.04	41.750		
2,300.00	2,260.92	16,029.03	7,061.05	11.16	294.37	-103.85	1,490.20	226.65	4,996.74	4,874.27	122.47	40.800		
2,400.00	2,358.61	16,045.47	7,061.05	11.64	294.91	-103.31	1,490.74	240.08	4,898.42	4,775.47	122.95	39.840		
2,500.00	2,456.30	16,062.66	7,061.06	12.12	295.48	-102.72	1,491.28	260.27	4,800.11	4,676.65	123.47	38.878		
2,600.00	2,553.98	16,079.80	7,061.07	12.59	296.04	-102.11	1,491.80	277.40	4,701.82	4,577.82	124.00	37.917		
2,700.00	2,651.67	16,096.89	7,061.07	13.08	296.60	-101.48	1,492.30	294.47	4,603.55	4,478.98	124.56	36.957		
2,800.00	2,749.35	16,113.92	7,061.08	13.56	297.16	-100.84	1,492.78	311.50	4,505.29	4,380.14	125.15	36.000		
2,900.00	2,847.04	16,130.90	7,061.08	14.04	297.72	-100.18	1,493.24	328.47	4,407.05	4,281.29	125.76	35.044		
3,000.00	2,944.72	16,147.83	7,061.08	14.52	298.28	-99.50	1,493.68	345.40	4,308.83	4,182.43	126.40	34.089		
3,100.00	3,042.41	16,164.71	7,061.08	15.01	298.83	-98.80	1,494.10	362.27	4,210.64	4,083.57	127.07	33.137		
3,200.00	3,140.10	16,175.00	7,061.08	15.50	299.17	-98.36	1,494.37	372.56	4,112.48	3,984.80	127.68	32.209		
3,300.00	3,237.78	16,175.00	7,061.08	15.98	299.17	-98.36	1,494.37	372.56	4,014.39	3,886.21	128.18	31.318		
3,400.00	3,335.47	16,175.00	7,061.08	16.47	299.17	-98.36	1,494.37	372.56	3,916.40	3,787.67	128.72	30.425		
3,500.00	3,433.15	16,175.00	7,061.08	16.96	299.17	-98.36	1,494.37	372.56	3,818.51	3,689.21	129.30	29.532		
3,600.00	3,530.84	16,175.00	7,061.08	17.45	299.17	-98.36	1,494.37	372.56	3,720.73	3,590.81	129.92	28.638		
3,700.00	3,628.53	16,175.00	7,061.08	17.94	299.17	-98.36	1,494.37	372.56	3,623.08	3,492.48	130.59	27.743		
3,800.00	3,726.21	16,175.00	7,061.08	18.43	299.17	-98.36	1,494.37	372.56	3,525.55	3,394.24	131.31	26.849		
3,900.00	3,823.90	16,175.00	7,061.08	18.92	299.17	-98.36	1,494.37	372.56	3,428.17	3,296.09	132.08	25.955		
4,000.00	3,921.58	16,175.00	7,061.08	19.41	299.17	-98.36	1,494.37	372.56	3,330.95	3,198.04	132.91	25.062		
4,100.00	4,019.27	16,175.00	7,061.08	19.90	299.17	-98.36	1,494.37	372.56	3,233.89	3,100.10	133.80	24.170		
4,200.00	4,116.96	16,175.00	7,061.08	20.39	299.17	-98.36	1,494.37	372.56	3,137.02	3,002.27	134.75	23.280		
4,300.00	4,214.64	16,175.00	7,061.08	20.88	299.17	-98.36	1,494.37	372.56	3,040.36	2,904.58	135.77	22.393		
4,400.00	4,312.33	16,175.00	7,061.08	21.37	299.17	-98.36	1,494.37	372.56	2,943.91	2,807.04	136.87	21.509		
4,500.00	4,410.01	16,175.00	7,061.08	21.87	299.17	-98.36	1,494.37	372.56	2,847.71	2,709.66	138.05	20.628		
4,600.00	4,507.70	16,175.00	7,061.08	22.36	299.17	-98.36	1,494.37	372.56	2,751.78	2,612.47	139.31	19.752		
4,700.00	4,605.39	16,175.00	7,061.08	22.85	299.17	-98.36	1,494.37	372.56	2,656.15	2,515.48	140.67	18.882		
4,800.00	4,703.07	16,175.00	7,061.08	23.35	299.17	-98.36	1,494.37	372.56	2,560.86	2,418.72	142.14	18.017		
4,900.00	4,800.76	16,175.00	7,061.08	23.84	299.17	-98.36	1,494.37	372.56	2,465.93	2,322.22	143.71	17.159		
5,000.00	4,898.44	16,175.00	7,061.08	24.33	299.17	-98.36	1,494.37	372.56	2,371.43	2,226.01	145.41	16.308		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	16,175.00	7,061.08	24.83	299.17	-98.36	1,494.37	372.56	2,277.39	2,130.14	147.25	15.466		
5,200.00	5,093.82	16,175.00	7,061.08	25.32	299.17	-98.36	1,494.37	372.56	2,183.89	2,034.65	149.23	14.634		
5,300.00	5,191.50	16,175.00	7,061.08	25.82	299.17	-98.36	1,494.37	372.56	2,090.98	1,939.60	151.38	13.813		
5,400.00	5,289.19	16,175.00	7,061.08	26.31	299.17	-98.36	1,494.37	372.56	1,998.76	1,845.06	153.71	13.004		
5,500.00	5,386.87	16,175.00	7,061.08	26.81	299.17	-98.36	1,494.37	372.56	1,907.33	1,751.10	156.23	12.208		
5,600.00	5,484.56	16,175.00	7,061.08	27.30	299.17	-98.36	1,494.37	372.56	1,816.79	1,657.82	158.97	11.428		
5,700.00	5,582.25	16,175.00	7,061.08	27.80	299.17	-98.36	1,494.37	372.56	1,727.31	1,565.36	161.95	10.666		
5,800.00	5,679.93	16,175.00	7,061.08	28.29	299.17	-98.36	1,494.37	372.56	1,639.03	1,473.85	165.19	9.922		
5,900.00	5,777.62	16,175.00	7,061.08	28.79	299.17	-98.36	1,494.37	372.56	1,552.18	1,383.48	168.70	9.201		
6,000.00	5,875.30	16,175.00	7,061.08	29.28	299.17	-98.36	1,494.37	372.56	1,467.01	1,294.50	172.51	8.504		
6,100.00	5,972.99	16,175.00	7,061.08	29.78	299.17	-98.36	1,494.37	372.56	1,383.82	1,207.19	176.63	7.835		
6,200.00	6,070.67	16,175.00	7,061.08	30.27	299.17	-98.36	1,494.37	372.56	1,303.00	1,121.95	181.05	7.197		
6,300.00	6,168.36	16,175.00	7,061.08	30.77	299.17	-98.36	1,494.37	372.56	1,225.01	1,039.25	185.76	6.595		
6,400.00	6,266.05	16,175.00	7,061.08	31.26	299.17	-98.36	1,494.37	372.56	1,150.44	959.74	190.70	6.033		
6,500.00	6,363.73	16,175.00	7,061.08	31.76	299.17	-98.36	1,494.37	372.56	1,079.98	884.21	195.76	5.517		
6,534.50	6,397.43	16,175.00	7,061.08	31.93	299.17	-98.36	1,494.37	372.56	1,056.78	859.27	197.51	5.351		
6,550.00	6,412.60	16,175.00	7,061.08	32.01	299.17	-92.79	1,494.37	372.56	1,046.44	848.13	198.31	5.277		
6,600.00	6,461.82	16,175.00	7,061.08	32.24	299.17	-68.47	1,494.37	372.56	1,012.49	811.39	201.10	5.035		
6,650.00	6,511.25	16,175.00	7,061.08	32.45	299.17	-36.44	1,494.37	372.56	977.70	773.44	204.25	4.787		
6,700.00	6,560.58	16,175.00	7,061.08	32.64	299.17	-8.11	1,494.37	372.56	942.19	734.37	207.82	4.534		
6,750.00	6,609.51	16,175.00	7,061.08	32.83	299.17	11.22	1,494.37	372.56	906.12	694.26	211.86	4.277		
6,800.00	6,657.74	16,175.00	7,061.08	33.01	299.17	24.46	1,494.37	372.56	869.65	653.20	216.45	4.018		
6,850.00	6,704.97	16,175.00	7,061.08	33.18	299.17	34.46	1,494.37	372.56	832.97	611.31	221.66	3.758		
6,900.00	6,750.90	16,175.00	7,061.08	33.36	299.17	42.68	1,494.37	372.56	796.29	568.75	227.54	3.500		
6,950.00	6,795.26	16,175.00	7,061.08	33.54	299.17	49.82	1,494.37	372.56	759.86	525.68	234.18	3.245		
7,000.00	6,837.77	16,175.00	7,061.08	33.73	299.17	56.24	1,494.37	372.56	723.95	482.33	241.62	2.996		
7,050.00	6,878.17	16,175.00	7,061.08	33.92	299.17	62.05	1,494.37	372.56	688.88	438.98	249.91	2.757		
7,100.00	6,916.21	16,175.00	7,061.08	34.13	299.17	67.31	1,494.37	372.56	655.03	395.99	259.04	2.529		
7,150.00	6,951.66	16,175.00	7,061.08	34.36	299.17	72.02	1,494.37	372.56	622.81	353.86	268.95	2.316		
7,200.00	6,984.29	16,175.00	7,061.08	34.61	299.17	76.17	1,494.37	372.56	592.71	313.19	279.52	2.120		
7,250.00	7,013.91	16,175.00	7,061.08	34.89	299.17	79.74	1,494.37	372.56	565.26	274.76	290.50	1.946		
7,300.00	7,040.34	16,175.00	7,061.08	35.20	299.17	82.72	1,494.37	372.56	541.05	239.55	301.50	1.795		
7,350.00	7,063.40	16,175.00	7,061.08	35.55	299.17	85.12	1,494.37	372.56	520.69	208.69	312.00	1.669		
7,400.00	7,082.97	16,175.00	7,061.08	35.94	299.17	86.93	1,494.37	372.56	504.78	183.43	321.35	1.571		
7,450.00	7,098.91	16,175.00	7,061.08	36.36	299.17	88.17	1,494.37	372.56	493.85	165.00	328.86	1.502		
7,500.00	7,111.13	16,175.00	7,061.08	36.83	299.17	88.84	1,494.37	372.56	488.31	154.42	333.89	1.462	Level 3	
7,550.00	7,119.55	16,144.95	7,061.08	37.34	298.18	88.49	1,493.60	342.52	487.45	153.09	334.35	1.458	Level 3, ES, SF	
7,573.34	7,122.17	16,121.01	7,061.08	37.59	297.40	88.22	1,492.97	318.59	487.41	153.66	333.75	1.460	Level 3	
7,600.00	7,124.13	16,093.57	7,061.07	37.88	296.49	88.00	1,492.20	291.16	487.45	154.39	333.06	1.464	Level 3	
7,639.68	7,125.00	16,052.63	7,061.06	38.33	295.15	87.89	1,490.97	250.24	487.68	155.58	332.10	1.468	Level 3	
7,700.00	7,124.48	15,993.84	7,061.02	39.05	293.22	87.94	1,489.13	191.47	488.18	157.19	330.99	1.475	Level 3	
7,800.00	7,123.60	15,894.49	7,060.90	40.40	289.95	88.04	1,486.64	92.16	489.62	160.48	329.14	1.488	Level 3	
7,900.00	7,122.72	15,792.17	7,060.89	41.90	286.59	88.15	1,483.37	-10.11	490.36	163.15	327.21	1.499	Level 3	
8,000.00	7,121.84	15,697.88	7,060.94	43.54	283.50	88.25	1,481.11	-104.37	491.89	165.88	326.02	1.509		
8,100.00	7,120.97	15,596.03	7,061.00	45.30	280.15	88.37	1,478.80	-206.20	493.57	169.19	324.38	1.522		
8,200.00	7,120.09	15,494.57	7,061.03	47.17	276.82	88.48	1,476.29	-307.62	495.05	172.18	322.87	1.533		
8,300.00	7,119.21	15,391.55	7,060.93	49.13	273.44	88.58	1,473.16	-410.60	495.96	174.64	321.32	1.544		
8,400.00	7,118.33	15,297.29	7,060.83	51.18	270.35	88.66	1,470.23	-504.81	496.83	176.30	320.53	1.550		
8,500.00	7,117.46	15,212.03	7,060.25	53.30	267.54	88.69	1,469.49	-590.06	499.96	179.66	320.30	1.561		
8,600.00	7,116.58	15,097.14	7,059.44	55.48	263.76	88.73	1,470.72	-704.93	505.26	187.01	318.25	1.588		
8,700.00	7,115.70	14,978.03	7,055.28	57.72	259.88	88.37	1,464.87	-823.81	504.23	188.65	315.58	1.598		
8,800.00	7,114.82	14,875.96	7,051.72	60.02	256.56	88.06	1,458.43	-925.62	501.98	187.63	314.35	1.597		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	14,781.75	7,048.41	62.36	253.50	87.77	1,452.88	-1,019.61	500.15	186.26	313.89	1.593		
9,000.00	7,113.07	14,685.97	7,045.85	64.74	250.37	87.57	1,448.23	-1,115.24	499.34	186.02	313.32	1.594		
9,071.96	7,112.44	14,616.02	7,044.39	66.47	248.09	87.47	1,445.27	-1,185.11	499.19	186.35	312.84	1.596		
9,100.00	7,112.19	14,588.64	7,043.82	67.15	247.20	87.43	1,444.19	-1,212.47	499.21	186.57	312.64	1.597		
9,200.00	7,111.31	14,488.23	7,043.22	69.60	243.92	87.46	1,440.46	-1,312.80	499.46	187.68	311.78	1.602		
9,300.00	7,110.44	14,379.64	7,043.65	72.08	240.39	87.62	1,435.22	-1,421.26	498.55	188.29	310.26	1.607		
9,400.00	7,109.56	14,273.30	7,044.04	74.58	236.94	87.76	1,428.66	-1,527.39	496.30	187.40	308.90	1.607		
9,500.00	7,108.68	14,165.61	7,044.20	77.10	233.47	87.87	1,420.41	-1,634.77	492.57	185.21	307.36	1.603		
9,600.00	7,107.81	14,063.71	7,044.35	79.65	230.19	87.97	1,411.42	-1,736.27	487.68	181.24	306.45	1.591		
9,700.00	7,106.93	13,964.92	7,044.52	82.22	227.02	88.07	1,402.77	-1,834.68	482.85	176.95	305.90	1.578		
9,800.00	7,106.05	13,872.04	7,044.73	84.80	224.03	88.18	1,395.32	-1,927.26	478.77	172.76	306.02	1.565		
9,900.00	7,105.17	13,777.44	7,045.02	87.40	220.98	88.31	1,389.14	-2,021.66	476.17	170.24	305.93	1.556		
10,000.00	7,104.30	13,687.00	7,045.34	90.02	218.05	88.44	1,384.48	-2,111.98	474.96	168.77	306.20	1.551		
10,004.34	7,104.26	13,683.12	7,045.35	90.13	217.93	88.44	1,384.32	-2,115.85	474.96	168.75	306.21	1.551		
10,100.00	7,103.42	13,591.94	7,045.74	92.64	214.96	88.59	1,381.28	-2,206.98	475.53	169.53	306.00	1.554		
10,200.00	7,102.54	13,502.09	7,046.15	95.28	212.04	88.74	1,379.40	-2,296.81	477.40	171.25	306.15	1.559		
10,300.00	7,101.66	13,398.27	7,046.22	97.94	208.65	88.86	1,378.48	-2,400.63	480.48	175.21	305.26	1.574		
10,400.00	7,100.79	13,309.76	7,046.35	100.60	205.77	88.98	1,377.79	-2,489.13	483.69	178.27	305.42	1.584		
10,500.00	7,099.91	13,215.20	7,046.59	103.27	202.68	89.11	1,379.13	-2,583.67	489.05	183.93	305.13	1.603		
10,600.00	7,099.03	13,106.10	7,046.87	105.95	199.11	89.27	1,380.25	-2,692.77	494.05	190.04	304.01	1.625		
10,700.00	7,098.15	12,985.28	7,047.24	108.64	195.20	89.43	1,377.40	-2,813.55	495.61	193.71	301.90	1.642		
10,800.00	7,097.28	12,879.68	7,047.42	111.33	191.80	89.56	1,371.82	-2,919.00	494.27	193.42	300.85	1.643		
10,900.00	7,096.40	12,782.26	7,047.45	114.04	188.67	89.66	1,366.91	-3,016.30	493.19	192.65	300.55	1.641		
11,000.00	7,095.52	12,675.03	7,047.51	116.74	185.23	89.78	1,361.18	-3,123.36	491.84	192.51	299.33	1.643		
11,100.00	7,094.64	12,570.71	7,047.61	119.46	181.91	89.90	1,353.72	-3,227.42	488.65	190.27	298.37	1.638		
11,200.00	7,093.77	12,463.66	7,047.76	122.18	178.51	90.02	1,345.37	-3,334.14	484.82	187.72	297.10	1.632		
11,300.00	7,092.89	12,360.02	7,048.00	124.91	175.24	90.16	1,335.83	-3,437.34	479.58	183.41	296.17	1.619		
11,400.00	7,092.01	12,284.41	7,047.67	127.64	172.84	90.20	1,330.50	-3,512.76	476.52	178.32	298.20	1.598		
11,408.89	7,091.93	12,277.72	7,047.59	127.88	172.62	90.20	1,330.22	-3,519.43	476.49	178.14	298.35	1.597		
11,500.00	7,091.13	12,200.04	7,046.15	130.38	170.13	90.11	1,328.39	-3,597.08	477.94	179.00	298.94	1.599		
11,600.00	7,090.26	12,087.47	7,043.27	133.12	166.52	89.88	1,326.47	-3,709.59	480.31	182.86	297.44	1.615		
11,700.00	7,089.38	11,971.97	7,040.45	135.86	162.85	89.66	1,319.99	-3,824.87	478.64	183.16	295.48	1.620		
11,800.00	7,088.50	11,874.48	7,038.28	138.61	159.77	89.50	1,313.23	-3,922.10	475.69	180.44	295.24	1.611		
11,900.00	7,087.63	11,786.23	7,037.40	141.36	156.98	89.49	1,308.55	-4,010.22	474.36	178.48	295.88	1.603		
11,901.45	7,087.61	11,785.00	7,037.39	141.40	156.94	89.49	1,308.50	-4,011.45	474.36	178.47	295.89	1.603		
12,000.00	7,086.75	11,700.98	7,036.97	144.12	154.27	89.53	1,306.48	-4,095.44	475.90	179.33	296.56	1.605		
12,100.00	7,085.87	11,602.99	7,036.57	146.88	151.14	89.59	1,305.78	-4,193.42	479.15	182.92	296.23	1.618		
12,200.00	7,084.99	11,504.83	7,036.51	149.64	148.00	89.69	1,305.58	-4,291.58	482.92	187.04	295.88	1.632		
12,300.00	7,084.12	11,397.17	7,036.55	152.40	144.58	89.80	1,304.36	-4,399.23	485.73	190.83	294.91	1.647		
12,400.00	7,083.24	11,298.91	7,036.76	155.17	141.47	89.93	1,302.76	-4,497.48	488.09	193.50	294.59	1.657		
12,500.00	7,082.36	11,202.90	7,036.05	157.94	138.43	89.95	1,301.83	-4,593.48	491.09	196.67	294.41	1.668		
12,600.00	7,081.48	11,101.14	7,034.53	160.71	135.22	89.87	1,301.45	-4,695.23	494.69	200.84	293.85	1.683		
12,700.00	7,080.61	10,993.65	7,032.72	163.49	131.84	89.77	1,299.37	-4,802.68	496.72	203.84	292.89	1.696		
12,800.00	7,079.73	10,892.76	7,031.14	166.27	128.69	89.70	1,296.73	-4,903.53	498.08	205.68	292.40	1.703		
12,900.00	7,078.85	10,797.26	7,029.73	169.04	125.72	89.63	1,294.51	-4,998.99	499.74	207.43	292.31	1.710		
13,000.00	7,077.97	10,678.17	7,027.29	171.83	122.03	89.47	1,290.93	-5,117.98	500.84	210.45	290.38	1.725		
13,100.00	7,077.10	10,533.95	7,023.79	174.61	117.75	89.20	1,275.80	-5,261.32	494.09	209.08	285.00	1.734		
13,200.00	7,076.22	10,435.80	7,022.06	177.39	114.91	89.08	1,260.83	-5,358.30	482.80	197.94	284.86	1.695		
13,300.00	7,075.34	10,345.64	7,021.32	180.18	112.30	89.07	1,249.27	-5,447.72	473.90	188.09	285.81	1.658		
13,400.00	7,074.46	10,258.48	7,020.90	182.97	109.77	89.10	1,239.40	-5,534.31	466.59	179.53	287.06	1.625		
13,500.00	7,073.59	10,173.28	7,021.78	185.76	107.27	89.29	1,232.95	-5,619.26	462.90	174.53	288.37	1.605		
13,600.00	7,072.71	10,078.60	7,023.32	188.55	104.48	89.58	1,227.68	-5,713.77	461.27	172.66	288.61	1.598		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
13,695.76	7,071.87	9,988.51	7,025.05	191.23	101.84	89.90	1,223.28	-5,803.74	460.40	171.54	288.86	1.594 CC		
13,700.00	7,071.83	9,984.79	7,025.13	191.34	101.73	89.91	1,223.13	-5,807.46	460.40	171.51	288.89	1.594		
13,800.00	7,070.95	9,898.32	7,026.81	194.14	99.19	90.21	1,220.99	-5,893.88	461.91	172.25	289.66	1.595		
13,900.00	7,070.08	9,812.91	7,028.46	196.93	96.68	90.51	1,221.59	-5,979.27	466.60	176.35	290.24	1.608		
14,000.00	7,069.20	9,724.05	7,030.08	199.73	94.05	90.79	1,224.68	-6,068.06	474.06	183.62	290.44	1.632		
14,100.00	7,068.32	9,631.02	7,030.73	202.53	91.31	90.95	1,229.43	-6,160.96	483.16	192.77	290.38	1.664		
14,200.00	7,067.45	9,538.17	7,030.86	205.33	88.59	91.04	1,235.79	-6,253.59	493.96	203.67	290.29	1.702		
14,300.00	7,066.57	9,427.07	7,030.93	208.13	85.39	91.14	1,242.60	-6,364.49	504.08	214.31	289.77	1.740		
14,400.00	7,065.69	9,316.74	7,030.87	210.93	82.28	91.22	1,246.67	-6,474.74	511.73	222.53	289.20	1.769		
14,500.00	7,064.81	9,220.17	7,029.92	213.73	79.63	91.19	1,249.31	-6,571.26	518.44	229.28	289.16	1.793		
14,600.00	7,063.94	9,116.38	7,029.13	216.54	76.84	91.19	1,253.12	-6,674.98	526.11	237.23	288.88	1.821		
14,700.00	7,063.06	9,000.76	7,028.22	219.34	73.85	91.19	1,254.43	-6,790.58	531.21	243.11	288.10	1.844		
14,800.00	7,062.18	8,879.47	7,026.89	222.15	70.93	91.15	1,251.69	-6,911.83	532.93	246.10	286.83	1.858		
14,900.00	7,061.30	8,763.19	7,025.71	224.95	68.36	91.14	1,244.38	-7,027.86	530.54	244.82	285.72	1.857		
15,000.00	7,060.43	8,664.08	7,025.63	227.76	66.34	91.23	1,236.99	-7,126.70	527.06	241.12	285.95	1.843		
15,100.00	7,059.55	8,557.27	7,026.35	230.57	64.36	91.42	1,229.05	-7,233.20	523.67	238.03	285.64	1.833		
15,200.00	7,058.67	8,446.14	7,027.46	233.38	62.55	91.67	1,218.20	-7,343.80	517.90	232.88	285.02	1.817		
15,300.00	7,057.79	8,343.26	7,028.32	236.19	61.12	91.90	1,206.77	-7,446.04	510.81	225.60	285.21	1.791		
15,400.00	7,056.92	8,244.76	7,029.19	239.00	59.96	92.12	1,195.71	-7,543.92	503.60	217.71	285.89	1.762		
15,500.00	7,056.04	8,150.06	7,029.98	241.81	59.01	92.33	1,185.69	-7,638.08	497.05	210.04	287.01	1.732		
15,600.00	7,055.16	8,058.25	7,030.69	244.62	58.22	92.53	1,177.10	-7,729.48	491.73	203.32	288.41	1.705		
15,700.00	7,054.28	7,945.24	7,031.19	247.43	57.46	92.74	1,165.92	-7,841.93	485.86	197.42	288.44	1.684		
15,800.00	7,053.41	7,840.44	7,030.04	250.25	56.96	92.76	1,153.78	-7,946.01	478.22	188.94	289.28	1.653		
15,846.35	7,053.00	7,792.15	7,027.81	251.55	56.78	92.57	1,147.91	-7,993.90	474.34	184.57	289.78	1.637		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-71.93	2,641.66	-8,097.02	8,796.75					
100.00	100.00	2,275.38	2,193.68	3.28	14.97	-71.99	2,630.18	-8,091.61	8,772.05	8,755.20	16.86	520.369		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-72.09	2,613.29	-8,084.40	8,748.14	8,730.88	17.25	507.088		
300.00	299.98	2,328.00	2,242.99	3.44	15.41	-117.02	2,613.29	-8,084.40	8,725.62	8,708.30	17.32	503.739		
400.00	399.84	2,390.05	2,301.13	3.61	15.93	-117.52	2,593.04	-8,076.64	8,705.27	8,687.38	17.89	486.563		
500.00	499.45	2,440.15	2,348.07	3.81	16.34	-117.96	2,576.54	-8,070.80	8,687.19	8,668.76	18.43	471.414		
600.00	598.70	2,507.00	2,410.69	4.06	16.90	-118.42	2,554.39	-8,063.32	8,671.22	8,652.08	19.14	453.088		
700.00	697.47	2,686.00	2,578.52	4.35	18.39	-119.17	2,495.96	-8,041.85	8,656.40	8,635.69	20.71	418.007		
800.00	795.62	2,739.54	2,628.74	4.66	18.84	-119.55	2,478.68	-8,035.11	8,643.33	8,621.93	21.41	403.769		
817.50	812.73	2,745.44	2,634.28	4.73	18.89	-119.60	2,476.77	-8,034.41	8,641.32	8,619.81	21.51	401.807		
900.00	893.32	2,775.00	2,662.03	5.01	19.14	-119.69	2,467.20	-8,030.98	8,632.25	8,610.24	22.01	392.171		
1,000.00	991.01	2,812.89	2,697.61	5.38	19.45	-119.81	2,454.83	-8,026.83	8,621.96	8,599.29	22.67	380.355		
1,100.00	1,088.69	2,865.00	2,746.50	5.77	19.89	-119.97	2,437.60	-8,021.54	8,612.43	8,588.98	23.45	367.221		
1,200.00	1,186.38	2,927.71	2,805.32	6.18	20.41	-120.17	2,416.70	-8,015.47	8,603.48	8,579.14	24.34	353.466		
1,300.00	1,284.06	3,023.10	2,894.78	6.60	21.21	-120.46	2,384.94	-8,006.19	8,594.79	8,569.30	25.49	337.181		
1,400.00	1,381.75	3,102.90	2,969.62	7.03	21.88	-120.72	2,358.38	-7,998.40	8,586.32	8,559.79	26.54	323.550		
1,500.00	1,479.44	3,235.90	3,094.38	7.47	22.99	-121.13	2,314.17	-7,985.26	8,578.08	8,550.08	28.00	306.360		
1,600.00	1,577.12	3,343.13	3,194.93	7.91	23.90	-121.47	2,278.74	-7,973.85	8,569.40	8,540.12	29.28	292.701		
1,700.00	1,674.81	3,979.59	3,791.79	8.37	29.32	-123.38	2,077.50	-7,885.45	8,560.55	8,526.19	34.36	249.154		
1,800.00	1,772.49	4,028.00	3,837.19	8.82	29.73	-123.52	2,063.06	-7,876.86	8,547.03	8,511.83	35.19	242.848		
1,900.00	1,870.18	4,028.00	3,837.19	9.28	29.73	-123.52	2,063.06	-7,876.86	8,534.37	8,498.66	35.71	239.013		
2,000.00	1,967.87	4,072.47	3,878.94	9.75	30.11	-123.65	2,049.64	-7,869.48	8,522.43	8,485.90	36.53	233.273		
2,100.00	2,065.55	4,117.00	3,920.77	10.22	30.49	-123.78	2,035.92	-7,862.81	8,511.58	8,474.22	37.37	227.780		
2,200.00	2,163.24	4,117.00	3,920.77	10.69	30.49	-123.78	2,035.92	-7,862.81	8,501.47	8,463.58	37.89	224.380		
2,300.00	2,260.92	4,167.17	3,967.89	11.16	30.92	-123.94	2,020.13	-7,855.91	8,492.21	8,453.43	38.78	218.983		
2,400.00	2,358.61	4,214.85	4,012.61	11.64	31.32	-124.08	2,004.79	-7,849.73	8,483.67	8,444.01	39.66	213.921		
2,500.00	2,456.30	4,316.33	4,107.74	12.12	32.20	-124.40	1,971.94	-7,836.77	8,475.52	8,434.57	40.95	206.984		
2,600.00	2,553.98	4,455.18	4,237.91	12.59	33.39	-124.83	1,927.19	-7,818.49	8,467.31	8,424.79	42.52	199.138		
2,700.00	2,651.67	4,767.38	4,530.63	13.08	36.08	-125.77	1,830.02	-7,770.25	8,456.82	8,411.49	45.32	186.583		
2,800.00	2,749.35	4,813.12	4,573.49	13.56	36.48	-125.91	1,815.90	-7,762.82	8,446.65	8,400.44	46.20	182.809		
2,900.00	2,847.04	4,869.44	4,626.27	14.04	36.97	-126.08	1,798.31	-7,753.99	8,437.14	8,389.97	47.17	178.878		
3,000.00	2,944.72	4,936.76	4,689.32	14.52	37.55	-126.29	1,777.11	-7,743.70	8,428.13	8,379.92	48.21	174.804		
3,100.00	3,042.41	5,012.00	4,759.80	15.01	38.21	-126.52	1,753.34	-7,732.32	8,419.52	8,370.19	49.33	170.693		
3,200.00	3,140.10	5,062.77	4,807.37	15.50	38.65	-126.68	1,737.27	-7,724.80	8,411.42	8,361.16	50.26	167.361		
3,300.00	3,237.78	5,102.00	4,844.14	15.98	38.98	-126.80	1,724.82	-7,719.19	8,404.02	8,352.91	51.11	164.438		
3,400.00	3,335.47	5,168.21	4,906.24	16.47	39.56	-127.00	1,703.78	-7,710.01	8,397.22	8,345.06	52.16	160.988		
3,500.00	3,433.15	5,226.46	4,960.92	16.96	40.05	-127.18	1,685.27	-7,702.17	8,391.01	8,337.85	53.15	157.860		
3,600.00	3,530.84	5,281.00	5,012.16	17.45	40.52	-127.35	1,668.03	-7,695.00	8,385.36	8,331.24	54.12	154.937		
3,700.00	3,628.53	5,347.19	5,074.35	17.94	41.09	-127.56	1,646.99	-7,686.54	8,380.26	8,325.08	55.18	151.872		
3,800.00	3,726.21	5,404.77	5,128.40	18.43	41.58	-127.74	1,628.47	-7,679.43	8,375.71	8,319.53	56.18	149.099		
3,900.00	3,823.90	5,460.52	5,180.76	18.92	42.05	-127.92	1,610.53	-7,672.77	8,371.76	8,314.60	57.16	146.465		
4,000.00	3,921.58	5,540.01	5,255.50	19.41	42.73	-128.17	1,585.12	-7,663.44	8,368.29	8,309.97	58.32	143.478		
4,100.00	4,019.27	5,639.00	5,348.59	19.90	43.57	-128.48	1,553.61	-7,651.61	8,364.88	8,305.24	59.64	140.250		
4,200.00	4,116.96	5,683.76	5,390.65	20.39	43.95	-128.62	1,539.21	-7,646.36	8,361.99	8,301.44	60.54	138.115		
4,300.00	4,214.64	5,728.00	5,432.23	20.88	44.32	-128.76	1,524.87	-7,641.61	8,360.01	8,298.57	61.44	136.068		
4,400.00	4,312.33	5,997.00	5,684.71	21.37	46.62	-129.62	1,437.72	-7,609.91	8,357.39	8,293.28	64.12	130.349		
4,500.00	4,410.01	6,048.47	5,733.06	21.87	47.06	-129.78	1,421.39	-7,603.22	8,354.21	8,289.14	65.07	128.378		
4,600.00	4,507.70	6,086.00	5,768.33	22.36	47.38	-129.90	1,409.39	-7,598.69	8,351.93	8,286.00	65.92	126.689		
4,700.00	4,605.39	6,317.68	5,985.77	22.85	49.37	-130.63	1,335.46	-7,568.26	8,348.38	8,280.09	68.30	122.236		
4,800.00	4,703.07	6,355.00	6,020.78	23.35	49.70	-130.75	1,323.51	-7,563.41	8,345.69	8,276.54	69.15	120.685		
4,900.00	4,800.76	6,355.00	6,020.78	23.84	49.70	-130.75	1,323.51	-7,563.41	8,343.91	8,274.20	69.71	119.692		
5,000.00	4,898.44	6,393.97	6,057.35	24.33	50.03	-130.87	1,310.85	-7,558.81	8,343.01	8,272.43	70.58	118.209		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
5,042.25	4,939.71	6,404.47	6,067.21	24.54	50.12	-130.91	1,307.41	-7,557.65	8,342.92	8,272.03	70.90	117.680		
5,100.00	4,996.13	6,445.00	6,105.23	24.83	50.47	-131.04	1,294.02	-7,553.51	8,343.23	8,271.69	71.54	116.621		
5,200.00	5,093.82	6,445.00	6,105.23	25.32	50.47	-131.04	1,294.02	-7,553.51	8,344.09	8,272.01	72.08	115.758		
5,300.00	5,191.50	6,479.99	6,138.09	25.82	50.76	-131.15	1,282.46	-7,550.26	8,345.98	8,273.07	72.90	114.479		
5,400.00	5,289.19	6,534.00	6,188.96	26.31	51.21	-131.33	1,264.91	-7,545.60	8,348.71	8,274.83	73.88	113.004		
5,500.00	5,386.87	6,534.00	6,188.96	26.81	51.21	-131.33	1,264.91	-7,545.60	8,352.22	8,277.82	74.40	112.260		
5,600.00	5,484.56	6,534.00	6,188.96	27.30	51.21	-131.33	1,264.91	-7,545.60	8,356.93	8,282.02	74.91	111.557		
5,700.00	5,582.25	6,534.00	6,188.96	27.80	51.21	-131.33	1,264.91	-7,545.60	8,362.84	8,287.43	75.41	110.896		
5,800.00	5,679.93	6,572.49	6,225.30	28.29	51.51	-131.45	1,252.48	-7,543.07	8,369.21	8,292.98	76.23	109.789		
5,900.00	5,777.62	6,583.25	6,235.46	28.79	51.60	-131.48	1,248.99	-7,542.59	8,377.03	8,300.22	76.81	109.068		
6,000.00	5,875.30	6,624.00	6,273.97	29.28	51.92	-131.62	1,235.69	-7,541.68	8,386.36	8,308.73	77.63	108.025		
6,100.00	5,972.99	6,624.00	6,273.97	29.78	51.92	-131.62	1,235.69	-7,541.68	8,396.07	8,317.97	78.10	107.504		
6,200.00	6,070.67	6,624.00	6,273.97	30.27	51.92	-131.62	1,235.69	-7,541.68	8,406.95	8,328.39	78.56	107.019		
6,300.00	6,168.36	6,624.00	6,273.97	30.77	51.92	-131.62	1,235.69	-7,541.68	8,419.00	8,340.00	79.00	106.570		
6,400.00	6,266.05	6,624.00	6,273.97	31.26	51.92	-131.62	1,235.69	-7,541.68	8,432.23	8,352.80	79.43	106.155		
6,500.00	6,363.73	6,624.00	6,273.97	31.76	51.92	-131.62	1,235.69	-7,541.68	8,446.62	8,366.76	79.85	105.775		
6,534.50	6,397.43	6,624.00	6,273.97	31.93	51.92	-131.62	1,235.69	-7,541.68	8,451.85	8,371.85	80.00	105.651		
6,550.00	6,412.60	6,624.00	6,273.97	32.01	51.92	-126.83	1,235.69	-7,541.68	8,454.06	8,374.00	80.06	105.596		
6,600.00	6,461.82	6,624.00	6,273.97	32.24	51.92	-105.21	1,235.69	-7,541.68	8,458.83	8,378.58	80.25	105.401		
6,650.00	6,511.25	6,624.00	6,273.97	32.45	51.92	-76.13	1,235.69	-7,541.68	8,459.99	8,379.56	80.43	105.187		
6,700.00	6,560.58	6,624.00	6,273.97	32.64	51.92	-51.03	1,235.69	-7,541.68	8,457.53	8,376.95	80.58	104.957		
6,750.00	6,609.51	6,624.00	6,273.97	32.83	51.92	-35.21	1,235.69	-7,541.68	8,451.47	8,370.76	80.71	104.712		
6,800.00	6,657.74	6,624.00	6,273.97	33.01	51.92	-25.71	1,235.69	-7,541.68	8,441.83	8,361.00	80.82	104.449		
6,850.00	6,704.97	6,624.00	6,273.97	33.18	51.92	-19.67	1,235.69	-7,541.68	8,428.65	8,347.74	80.92	104.167		
6,900.00	6,750.90	6,665.53	6,313.20	33.36	52.21	-15.70	1,222.11	-7,542.71	8,410.69	8,329.32	81.37	103.364		
6,950.00	6,795.26	6,668.72	6,316.21	33.54	52.23	-12.74	1,221.07	-7,542.89	8,390.46	8,309.00	81.46	103.002		
7,000.00	6,837.77	6,671.81	6,319.13	33.73	52.25	-10.49	1,220.07	-7,543.08	8,366.94	8,285.41	81.53	102.621		
7,050.00	6,878.17	6,714.00	6,358.83	33.92	52.54	-8.82	1,206.38	-7,547.01	8,341.43	8,259.48	81.95	101.785		
7,100.00	6,916.21	6,714.00	6,358.83	34.13	52.54	-7.30	1,206.38	-7,547.01	8,311.54	8,229.57	81.97	101.396		
7,150.00	6,951.66	6,714.00	6,358.83	34.36	52.54	-5.97	1,206.38	-7,547.01	8,278.78	8,196.81	81.98	100.988		
7,200.00	6,984.29	6,714.00	6,358.83	34.61	52.54	-4.73	1,206.38	-7,547.01	8,243.33	8,161.36	81.97	100.560		
7,250.00	7,013.91	6,714.00	6,358.83	34.89	52.54	-3.53	1,206.38	-7,547.01	8,205.38	8,123.42	81.96	100.113		
7,300.00	7,040.34	6,714.00	6,358.83	35.20	52.54	-2.27	1,206.38	-7,547.01	8,165.12	8,083.17	81.94	99.646		
7,350.00	7,063.40	6,714.00	6,358.83	35.55	52.54	-0.87	1,206.38	-7,547.01	8,122.76	8,040.85	81.92	99.160		
7,400.00	7,082.97	6,714.00	6,358.83	35.94	52.54	0.81	1,206.38	-7,547.01	8,078.55	7,996.66	81.89	98.655		
7,450.00	7,098.91	6,714.00	6,358.83	36.36	52.54	3.01	1,206.38	-7,547.01	8,032.72	7,950.86	81.86	98.132		
7,500.00	7,111.13	6,714.00	6,358.83	36.83	52.54	6.17	1,206.38	-7,547.01	7,985.53	7,903.70	81.83	97.592		
7,550.00	7,119.55	6,714.00	6,358.83	37.34	52.54	11.29	1,206.38	-7,547.01	7,937.25	7,855.45	81.80	97.035		
7,600.00	7,124.13	6,714.00	6,358.83	37.88	52.54	21.16	1,206.38	-7,547.01	7,888.16	7,806.38	81.77	96.463		
7,639.68	7,125.00	6,714.00	6,358.83	38.33	52.54	37.98	1,206.38	-7,547.01	7,848.81	7,767.05	81.76	95.997		
7,700.00	7,124.48	6,714.00	6,358.83	39.05	52.54	37.98	1,206.38	-7,547.01	7,788.84	7,707.10	81.74	95.285		
7,800.00	7,123.60	6,714.00	6,358.83	40.40	52.54	37.98	1,206.38	-7,547.01	7,689.42	7,607.71	81.71	94.103		
7,900.00	7,122.72	6,714.00	6,358.83	41.90	52.54	37.98	1,206.38	-7,547.01	7,590.02	7,508.33	81.68	92.919		
8,000.00	7,121.84	6,714.00	6,358.83	43.54	52.54	37.98	1,206.38	-7,547.01	7,490.63	7,408.97	81.66	91.731		
8,100.00	7,120.97	6,714.00	6,358.83	45.30	52.54	37.98	1,206.38	-7,547.01	7,391.26	7,309.62	81.63	90.541		
8,200.00	7,120.09	6,714.00	6,358.83	47.17	52.54	37.98	1,206.38	-7,547.01	7,291.90	7,210.29	81.61	89.348		
8,300.00	7,119.21	6,714.00	6,358.83	49.13	52.54	37.98	1,206.38	-7,547.01	7,192.57	7,110.97	81.59	88.152		
8,400.00	7,118.33	6,714.00	6,358.83	51.18	52.54	37.98	1,206.38	-7,547.01	7,093.25	7,011.67	81.58	86.954		
8,500.00	7,117.46	6,714.00	6,358.83	53.30	52.54	37.98	1,206.38	-7,547.01	6,993.95	6,912.39	81.56	85.752		
8,600.00	7,116.58	6,714.00	6,358.83	55.48	52.54	37.98	1,206.38	-7,547.01	6,894.67	6,813.13	81.55	84.547		
8,700.00	7,115.70	6,714.00	6,358.83	57.72	52.54	37.98	1,206.38	-7,547.01	6,795.42	6,713.88	81.54	83.340		
8,800.00	7,114.82	6,714.00	6,358.83	60.02	52.54	37.98	1,206.38	-7,547.01	6,696.18	6,614.65	81.53	82.129		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	6,714.00	6,358.83	62.36	52.54	37.98	1,206.38	-7,547.01	6,596.97	6,515.44	81.53	80.915		
9,000.00	7,113.07	6,714.00	6,358.83	64.74	52.54	37.98	1,206.38	-7,547.01	6,497.79	6,416.26	81.53	79.698		
9,100.00	7,112.19	6,714.00	6,358.83	67.15	52.54	37.98	1,206.38	-7,547.01	6,398.62	6,317.09	81.53	78.478		
9,200.00	7,111.31	6,714.00	6,358.83	69.60	52.54	37.98	1,206.38	-7,547.01	6,299.49	6,217.95	81.54	77.255		
9,300.00	7,110.44	6,714.00	6,358.83	72.08	52.54	37.98	1,206.38	-7,547.01	6,200.38	6,118.83	81.55	76.028		
9,400.00	7,109.56	6,714.00	6,358.83	74.58	52.54	37.98	1,206.38	-7,547.01	6,101.30	6,019.73	81.57	74.798		
9,500.00	7,108.68	6,714.00	6,358.83	77.10	52.54	37.98	1,206.38	-7,547.01	6,002.26	5,920.66	81.59	73.564		
9,600.00	7,107.81	6,714.00	6,358.83	79.65	52.54	37.98	1,206.38	-7,547.01	5,903.24	5,821.62	81.62	72.327		
9,700.00	7,106.93	6,714.00	6,358.83	82.22	52.54	37.98	1,206.38	-7,547.01	5,804.26	5,722.61	81.65	71.086		
9,800.00	7,106.05	6,714.00	6,358.83	84.80	52.54	37.98	1,206.38	-7,547.01	5,705.31	5,623.62	81.69	69.841		
9,900.00	7,105.17	6,714.00	6,358.83	87.40	52.54	37.98	1,206.38	-7,547.01	5,606.40	5,524.67	81.73	68.593		
10,000.00	7,104.30	6,714.00	6,358.83	90.02	52.54	37.98	1,206.38	-7,547.01	5,507.53	5,425.75	81.79	67.341		
10,100.00	7,103.42	6,714.00	6,358.83	92.64	52.54	37.98	1,206.38	-7,547.01	5,408.71	5,326.86	81.85	66.085		
10,200.00	7,102.54	6,714.00	6,358.83	95.28	52.54	37.98	1,206.38	-7,547.01	5,309.92	5,228.01	81.91	64.824		
10,300.00	7,101.66	6,714.00	6,358.83	97.94	52.54	37.98	1,206.38	-7,547.01	5,211.18	5,129.20	81.99	63.560		
10,400.00	7,100.79	6,714.00	6,358.83	100.60	52.54	37.98	1,206.38	-7,547.01	5,112.50	5,030.42	82.07	62.291		
10,500.00	7,099.91	6,714.00	6,358.83	103.27	52.54	37.98	1,206.38	-7,547.01	5,013.86	4,931.69	82.17	61.018		
10,600.00	7,099.03	6,714.00	6,358.83	105.95	52.54	37.98	1,206.38	-7,547.01	4,915.28	4,833.00	82.28	59.741		
10,700.00	7,098.15	6,714.00	6,358.83	108.64	52.54	37.98	1,206.38	-7,547.01	4,816.76	4,734.36	82.40	58.458		
10,800.00	7,097.28	6,714.00	6,358.83	111.33	52.54	37.98	1,206.38	-7,547.01	4,718.29	4,635.77	82.53	57.172		
10,900.00	7,096.40	6,714.00	6,358.83	114.04	52.54	37.98	1,206.38	-7,547.01	4,619.90	4,537.22	82.68	55.880		
11,000.00	7,095.52	6,714.00	6,358.83	116.74	52.54	37.98	1,206.38	-7,547.01	4,521.58	4,438.74	82.84	54.583		
11,100.00	7,094.64	6,714.00	6,358.83	119.46	52.54	37.98	1,206.38	-7,547.01	4,423.33	4,340.31	83.02	53.282		
11,200.00	7,093.77	6,714.00	6,358.83	122.18	52.54	37.98	1,206.38	-7,547.01	4,325.16	4,241.94	83.22	51.975		
11,300.00	7,092.89	6,752.15	6,394.55	124.91	52.76	38.89	1,194.22	-7,552.66	4,225.94	4,142.22	83.72	50.476		
11,400.00	7,092.01	6,754.88	6,397.10	127.64	52.77	38.96	1,193.36	-7,553.13	4,127.77	4,043.80	83.97	49.156		
11,500.00	7,091.13	6,757.73	6,399.75	130.38	52.79	39.03	1,192.47	-7,553.64	4,029.69	3,945.44	84.25	47.832		
11,600.00	7,090.26	6,760.69	6,402.51	133.12	52.80	39.11	1,191.54	-7,554.18	3,931.68	3,847.14	84.54	46.504		
11,700.00	7,089.38	6,763.78	6,405.39	135.86	52.82	39.18	1,190.58	-7,554.75	3,833.77	3,748.90	84.87	45.172		
11,800.00	7,088.50	6,767.00	6,408.39	138.61	52.84	39.27	1,189.58	-7,555.37	3,735.94	3,650.72	85.22	43.837		
11,900.00	7,087.63	6,803.00	6,441.77	141.36	53.04	40.25	1,178.56	-7,563.12	3,639.08	3,553.28	85.80	42.413		
12,000.00	7,086.75	6,803.00	6,441.77	144.12	53.04	40.25	1,178.56	-7,563.12	3,541.29	3,455.10	86.19	41.088		
12,100.00	7,085.87	6,803.00	6,441.77	146.88	53.04	40.25	1,178.56	-7,563.12	3,443.64	3,357.02	86.61	39.758		
12,200.00	7,084.99	6,803.00	6,441.77	149.64	53.04	40.25	1,178.56	-7,563.12	3,346.12	3,259.03	87.08	38.424		
12,300.00	7,084.12	6,803.00	6,441.77	152.40	53.04	40.25	1,178.56	-7,563.12	3,248.75	3,161.15	87.60	37.086		
12,400.00	7,083.24	6,803.00	6,441.77	155.17	53.04	40.25	1,178.56	-7,563.12	3,151.55	3,063.38	88.17	35.744		
12,500.00	7,082.36	6,803.00	6,441.77	157.94	53.04	40.25	1,178.56	-7,563.12	3,054.53	2,965.73	88.80	34.400		
12,600.00	7,081.48	6,803.00	6,441.77	160.71	53.04	40.25	1,178.56	-7,563.12	2,957.70	2,868.22	89.49	33.052		
12,700.00	7,080.61	6,803.00	6,441.77	163.49	53.04	40.25	1,178.56	-7,563.12	2,861.10	2,770.85	90.25	31.703		
12,800.00	7,079.73	6,803.00	6,441.77	166.27	53.04	40.25	1,178.56	-7,563.12	2,764.74	2,673.65	91.09	30.353		
12,900.00	7,078.85	6,803.00	6,441.77	169.04	53.04	40.25	1,178.56	-7,563.12	2,668.64	2,576.63	92.01	29.003		
13,000.00	7,077.97	6,803.00	6,441.77	171.83	53.04	40.25	1,178.56	-7,563.12	2,572.84	2,479.81	93.03	27.655		
13,100.00	7,077.10	6,803.00	6,441.77	174.61	53.04	40.25	1,178.56	-7,563.12	2,477.38	2,383.21	94.17	26.309		
13,200.00	7,076.22	6,835.90	6,471.99	177.39	53.19	41.23	1,168.70	-7,571.59	2,381.42	2,286.12	95.30	24.987		
13,300.00	7,075.34	6,843.50	6,478.93	180.18	53.22	41.46	1,166.43	-7,573.72	2,286.29	2,189.67	96.62	23.662		
13,400.00	7,074.46	6,851.58	6,486.28	182.97	53.26	41.72	1,164.03	-7,576.05	2,191.49	2,093.42	98.07	22.347		
13,500.00	7,073.59	6,860.18	6,494.08	185.76	53.30	41.99	1,161.47	-7,578.62	2,097.05	1,997.39	99.66	21.043		
13,600.00	7,072.71	6,892.00	6,522.72	188.55	53.44	43.06	1,152.10	-7,588.84	2,003.44	1,902.23	101.22	19.794		
13,700.00	7,071.83	6,892.00	6,522.72	191.34	53.44	43.06	1,152.10	-7,588.84	1,909.57	1,806.36	103.21	18.502		
13,800.00	7,070.95	6,892.00	6,522.72	194.14	53.44	43.06	1,152.10	-7,588.84	1,816.35	1,710.91	105.44	17.227		
13,900.00	7,070.08	6,892.00	6,522.72	196.93	53.44	43.06	1,152.10	-7,588.84	1,723.89	1,615.96	107.93	15.972		
14,000.00	7,069.20	6,892.00	6,522.72	199.73	53.44	43.06	1,152.10	-7,588.84	1,632.32	1,521.59	110.73	14.742		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
14,100.00	7,068.32	6,921.57	6,548.93	202.53	53.54	44.12	1,143.48	-7,599.46	1,540.88	1,427.48	113.39	13.589				
14,200.00	7,067.45	6,933.94	6,559.75	205.33	53.59	44.58	1,139.90	-7,604.26	1,450.64	1,333.98	116.66	12.435				
14,300.00	7,066.57	6,947.44	6,571.47	208.13	53.63	45.09	1,136.02	-7,609.74	1,361.38	1,241.07	120.31	11.316				
14,400.00	7,065.69	6,982.00	6,600.94	210.93	53.76	46.47	1,126.18	-7,624.86	1,273.69	1,149.76	123.94	10.277				
14,500.00	7,064.81	6,982.00	6,600.94	213.73	53.76	46.47	1,126.18	-7,624.86	1,186.47	1,057.56	128.90	9.204				
14,600.00	7,063.94	6,982.00	6,600.94	216.54	53.76	46.47	1,126.18	-7,624.86	1,101.41	966.87	134.54	8.186				
14,700.00	7,063.06	7,011.11	6,625.10	219.34	53.83	47.70	1,118.13	-7,638.95	1,017.88	877.73	140.15	7.263				
14,800.00	7,062.18	7,030.01	6,640.40	222.15	53.87	48.54	1,113.08	-7,648.84	936.85	789.98	146.87	6.379				
14,900.00	7,061.30	7,071.00	6,672.42	224.95	53.98	50.45	1,102.63	-7,672.17	859.13	705.29	153.84	5.585				
15,000.00	7,060.43	7,071.00	6,672.42	227.76	53.98	50.45	1,102.63	-7,672.17	783.58	620.35	163.22	4.801				
15,100.00	7,059.55	7,102.60	6,696.02	230.57	54.02	52.01	1,095.17	-7,691.83	712.50	539.65	172.85	4.122				
15,200.00	7,058.67	7,133.41	6,718.09	233.38	54.06	53.61	1,088.51	-7,712.26	646.23	462.37	183.86	3.515				
15,300.00	7,057.79	7,161.00	6,737.02	236.19	54.09	55.10	1,083.07	-7,731.56	585.82	389.53	196.29	2.984				
15,400.00	7,056.92	7,209.33	6,768.31	239.00	54.10	57.83	1,074.72	-7,767.42	531.99	322.26	209.73	2.537				
15,500.00	7,056.04	7,250.00	6,792.75	241.81	54.12	60.22	1,068.83	-7,799.39	486.16	261.81	224.35	2.167				
15,600.00	7,055.16	7,303.51	6,822.08	244.62	54.08	63.41	1,062.95	-7,843.73	449.46	209.97	239.48	1.877				
15,700.00	7,054.28	7,358.07	6,848.48	247.43	54.03	66.63	1,059.31	-7,891.32	423.06	168.94	254.12	1.665				
15,800.00	7,053.41	7,419.95	6,873.65	250.25	53.95	69.98	1,057.38	-7,947.79	406.85	139.95	266.90	1.524				
15,846.35	7,053.00	7,452.44	6,884.80	251.55	53.90	71.57	1,057.17	-7,978.30	402.54	130.57	271.97	1.480	Level 3, CC, ES, SF			

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-87.01	389.11	-7,444.71	7,454.88					
100.00	100.00	87.00	87.00	3.28	3.61	-87.01	389.11	-7,444.71	7,454.87	7,447.97	6.90	1,080.542		
200.00	200.00	187.00	187.00	3.34	5.80	-87.01	389.11	-7,444.71	7,454.87	7,445.73	9.14	815.955		
300.00	299.98	286.98	286.98	3.44	8.90	-131.52	389.11	-7,444.71	7,456.03	7,443.68	12.34	604.034		
400.00	399.84	386.84	386.84	3.61	12.21	-131.50	389.11	-7,444.71	7,459.50	7,443.69	15.81	471.806		
500.00	499.45	486.45	486.45	3.81	15.59	-131.46	389.11	-7,444.71	7,465.28	7,445.89	19.39	384.955		
600.00	598.70	585.70	585.70	4.06	18.99	-131.41	389.11	-7,444.71	7,473.38	7,450.34	23.04	324.384		
700.00	697.47	684.47	684.47	4.35	22.39	-131.34	389.11	-7,444.71	7,483.80	7,457.07	26.72	280.046		
800.00	795.62	782.62	782.62	4.66	25.79	-131.26	389.11	-7,444.71	7,496.52	7,466.09	30.43	246.344		
817.50	812.73	800.27	799.73	4.73	26.40	-131.24	389.11	-7,444.71	7,498.99	7,467.88	31.10	241.108		
900.00	893.32	880.32	880.32	5.01	29.17	-131.34	389.11	-7,444.71	7,510.78	7,476.63	34.16	219.896		
1,000.00	991.01	978.01	978.01	5.38	32.56	-131.46	389.11	-7,444.71	7,525.11	7,487.21	37.90	198.527		
1,100.00	1,088.69	1,075.69	1,075.69	5.77	35.96	-131.58	389.11	-7,444.71	7,539.48	7,497.80	41.68	180.911		
1,200.00	1,186.38	1,173.38	1,173.38	6.18	39.35	-131.70	389.11	-7,444.71	7,553.87	7,508.41	45.46	166.155		
1,300.00	1,284.06	1,271.06	1,271.06	6.60	42.75	-131.82	389.11	-7,444.71	7,568.30	7,519.04	49.26	153.626		
1,400.00	1,381.75	1,368.75	1,368.75	7.03	46.15	-131.94	389.11	-7,444.71	7,582.77	7,529.69	53.08	142.861		
1,500.00	1,479.44	1,466.44	1,466.44	7.47	49.56	-132.06	389.11	-7,444.71	7,597.26	7,540.36	56.90	133.519		
1,600.00	1,577.12	1,564.12	1,564.12	7.91	52.96	-132.18	389.11	-7,444.71	7,611.79	7,551.06	60.73	125.336		
1,700.00	1,674.81	1,661.81	1,661.81	8.37	56.36	-132.29	389.11	-7,444.71	7,626.35	7,561.78	64.57	118.113		
1,800.00	1,772.49	1,759.49	1,759.49	8.82	59.77	-132.41	389.11	-7,444.71	7,640.94	7,572.53	68.41	111.692		
1,900.00	1,870.18	1,857.18	1,857.18	9.28	63.17	-132.53	389.11	-7,444.71	7,655.57	7,583.31	72.26	105.948		
2,000.00	1,967.87	1,954.87	1,954.87	9.75	66.58	-132.64	389.11	-7,444.71	7,670.22	7,594.12	76.11	100.779		
2,100.00	2,065.55	2,052.55	2,052.55	10.22	69.99	-132.76	389.11	-7,444.71	7,684.91	7,604.95	79.96	96.105		
2,200.00	2,163.24	2,150.24	2,150.24	10.69	73.39	-132.88	389.11	-7,444.71	7,699.63	7,615.81	83.82	91.857		
2,300.00	2,260.92	2,247.92	2,247.92	11.16	76.80	-132.99	389.11	-7,444.71	7,714.38	7,626.70	87.68	87.981		
2,400.00	2,358.61	2,345.61	2,345.61	11.64	80.21	-133.11	389.11	-7,444.71	7,729.16	7,637.62	91.55	84.430		
2,500.00	2,456.30	2,443.30	2,443.30	12.12	83.61	-133.22	389.11	-7,444.71	7,743.98	7,648.57	95.41	81.165		
2,600.00	2,553.98	2,540.98	2,540.98	12.59	87.02	-133.33	389.11	-7,444.71	7,758.82	7,659.54	99.28	78.154		
2,700.00	2,651.67	2,638.67	2,638.67	13.08	90.43	-133.45	389.11	-7,444.71	7,773.69	7,670.55	103.14	75.367		
2,800.00	2,749.35	2,736.35	2,736.35	13.56	93.84	-133.56	389.11	-7,444.71	7,788.60	7,681.58	107.01	72.781		
2,900.00	2,847.04	2,834.04	2,834.04	14.04	97.25	-133.67	389.11	-7,444.71	7,803.53	7,692.65	110.88	70.376		
3,000.00	2,944.72	2,931.72	2,931.72	14.52	100.65	-133.78	389.11	-7,444.71	7,818.50	7,703.74	114.76	68.132		
3,100.00	3,042.41	3,029.41	3,029.41	15.01	104.06	-133.90	389.11	-7,444.71	7,833.49	7,714.86	118.63	66.034		
3,200.00	3,140.10	3,127.10	3,127.10	15.50	107.47	-134.01	389.11	-7,444.71	7,848.51	7,726.01	122.50	64.068		
3,300.00	3,237.78	3,224.78	3,224.78	15.98	110.88	-134.12	389.11	-7,444.71	7,863.57	7,737.19	126.38	62.223		
3,400.00	3,335.47	3,322.47	3,322.47	16.47	114.29	-134.23	389.11	-7,444.71	7,878.65	7,748.40	130.25	60.488		
3,500.00	3,433.15	3,420.15	3,420.15	16.96	117.70	-134.34	389.11	-7,444.71	7,893.76	7,759.63	134.13	58.853		
3,600.00	3,530.84	3,517.84	3,517.84	17.45	121.11	-134.45	389.11	-7,444.71	7,908.90	7,770.90	138.00	57.309		
3,700.00	3,628.53	3,615.53	3,615.53	17.94	124.52	-134.56	389.11	-7,444.71	7,924.07	7,782.19	141.88	55.850		
3,800.00	3,726.21	3,713.21	3,713.21	18.43	127.93	-134.66	389.11	-7,444.71	7,939.27	7,793.51	145.76	54.469		
3,900.00	3,823.90	3,810.90	3,810.90	18.92	131.33	-134.77	389.11	-7,444.71	7,954.49	7,804.86	149.63	53.159		
4,000.00	3,921.58	3,908.58	3,908.58	19.41	134.74	-134.88	389.11	-7,444.71	7,969.75	7,816.23	153.51	51.916		
4,100.00	4,019.27	4,006.27	4,006.27	19.90	138.15	-134.99	389.11	-7,444.71	7,985.03	7,827.64	157.39	50.734		
4,200.00	4,116.96	4,103.96	4,103.96	20.39	141.56	-135.10	389.11	-7,444.71	8,000.34	7,839.07	161.27	49.608		
4,300.00	4,214.64	4,201.64	4,201.64	20.88	144.97	-135.20	389.11	-7,444.71	8,015.68	7,850.53	165.15	48.536		
4,400.00	4,312.33	4,300.67	4,299.33	21.37	148.43	-135.31	389.11	-7,444.71	8,031.05	7,861.97	169.08	47.500		
4,500.00	4,410.01	4,402.99	4,397.01	21.87	152.00	-135.41	389.11	-7,444.71	8,046.44	7,873.32	173.12	46.480		
4,600.00	4,507.70	4,505.30	4,494.70	22.36	155.57	-135.52	389.11	-7,444.71	8,061.86	7,884.70	177.16	45.507		
4,700.00	4,605.39	4,607.61	4,592.39	22.85	159.14	-135.63	389.11	-7,444.71	8,077.31	7,896.11	181.20	44.577		
4,800.00	4,703.07	4,709.93	4,690.07	23.35	162.71	-135.73	389.11	-7,444.71	8,092.78	7,907.54	185.24	43.688		
4,900.00	4,800.76	4,787.76	4,787.76	23.84	166.43	-135.83	389.11	-7,444.71	8,108.29	7,919.86	189.43	43.031		
5,000.00	4,898.44	4,885.44	4,885.44	24.33	169.84	-135.94	389.11	-7,444.71	8,123.82	7,931.51	193.31	42.244		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,983.13	4,983.13	24.83	172.25	-136.04	389.11	-7,444.71	8,139.37	7,943.18	196.19	41.487		
5,200.00	5,093.82	5,080.82	5,080.82	25.32	175.66	-136.14	389.11	-7,444.71	8,154.95	7,954.88	200.07	40.760		
5,300.00	5,191.50	5,178.50	5,178.50	25.82	179.07	-136.25	389.11	-7,444.71	8,170.56	7,966.61	203.95	40.061		
5,400.00	5,289.19	5,276.19	5,276.19	26.31	182.48	-136.35	389.11	-7,444.71	8,186.20	7,978.36	207.83	39.389		
5,500.00	5,386.87	5,373.87	5,373.87	26.81	185.89	-136.45	389.11	-7,444.71	8,201.86	7,990.14	211.71	38.740		
5,600.00	5,484.56	5,471.56	5,471.56	27.30	189.30	-136.55	389.11	-7,444.71	8,217.54	8,001.95	215.59	38.116		
5,700.00	5,582.25	5,569.25	5,569.25	27.80	192.71	-136.65	389.11	-7,444.71	8,233.25	8,013.78	219.48	37.513		
5,800.00	5,679.93	5,666.93	5,666.93	28.29	196.11	-136.76	389.11	-7,444.71	8,248.99	8,025.63	223.36	36.932		
5,900.00	5,777.62	5,764.62	5,764.62	28.79	199.52	-136.86	389.11	-7,444.71	8,264.75	8,037.52	227.24	36.370		
6,000.00	5,875.30	5,862.30	5,862.30	29.28	202.93	-136.96	389.11	-7,444.71	8,280.54	8,049.42	231.12	35.828		
6,100.00	5,972.99	5,959.99	5,959.99	29.78	206.34	-137.06	389.11	-7,444.71	8,296.36	8,061.35	235.00	35.303		
6,200.00	6,070.67	6,057.67	6,057.67	30.27	209.75	-137.16	389.11	-7,444.71	8,312.19	8,073.31	238.88	34.796		
6,300.00	6,168.36	6,155.36	6,155.36	30.77	213.16	-137.25	389.11	-7,444.71	8,328.06	8,085.29	242.76	34.305		
6,400.00	6,266.05	6,253.05	6,253.05	31.26	216.57	-137.35	389.11	-7,444.71	8,343.94	8,097.30	246.65	33.830		
6,500.00	6,363.73	6,350.73	6,350.73	31.76	219.98	-137.45	389.11	-7,444.71	8,359.86	8,109.33	250.53	33.369		
6,534.50	6,397.43	6,384.43	6,384.43	31.93	221.16	-137.49	389.11	-7,444.71	8,365.35	8,113.48	251.87	33.213		
6,550.00	6,412.60	6,400.40	6,399.60	32.01	221.72	-132.69	389.11	-7,444.71	8,367.63	8,115.14	252.50	33.140		
6,600.00	6,461.82	6,448.82	6,448.82	32.24	223.41	-111.08	389.11	-7,444.71	8,372.45	8,118.04	254.41	32.909		
6,650.00	6,511.25	6,501.75	6,498.25	32.45	225.25	-82.04	389.11	-7,444.71	8,373.36	8,116.88	256.47	32.648		
6,700.00	6,560.58	6,547.58	6,547.58	32.64	226.85	-57.02	389.11	-7,444.71	8,370.35	8,112.08	258.27	32.410		
6,750.00	6,609.51	6,603.49	6,596.51	32.83	228.81	-41.30	389.11	-7,444.71	8,363.44	8,103.05	260.39	32.119		
6,800.00	6,657.74	6,644.74	6,644.74	33.01	230.25	-31.95	389.11	-7,444.71	8,352.68	8,090.69	261.99	31.882		
6,850.00	6,704.97	6,708.03	6,691.97	33.18	232.46	-26.11	389.11	-7,444.71	8,338.13	8,073.79	264.34	31.544		
6,900.00	6,750.90	6,737.90	6,737.90	33.36	233.50	-22.25	389.11	-7,444.71	8,319.88	8,054.38	265.50	31.337		
6,950.00	6,795.26	6,782.26	6,782.26	33.54	235.05	-19.58	389.11	-7,444.71	8,298.04	8,030.89	267.15	31.061		
7,000.00	6,837.77	6,824.77	6,824.77	33.73	236.53	-17.67	389.11	-7,444.71	8,272.75	8,004.03	268.73	30.785		
7,050.00	6,878.17	6,865.17	6,865.17	33.92	237.94	-16.29	389.11	-7,444.71	8,244.17	7,973.96	270.21	30.510		
7,100.00	6,916.21	6,903.21	6,903.21	34.13	239.27	-15.31	389.11	-7,444.71	8,212.46	7,940.86	271.60	30.238		
7,150.00	6,951.66	6,938.66	6,938.66	34.36	240.51	-14.62	389.11	-7,444.71	8,177.83	7,904.95	272.88	29.968		
7,200.00	6,984.29	6,971.29	6,971.29	34.61	241.65	-14.20	389.11	-7,444.71	8,140.49	7,866.43	274.05	29.704		
7,250.00	7,013.91	7,000.91	7,000.91	34.89	242.68	-14.01	389.11	-7,444.71	8,100.66	7,825.54	275.11	29.445		
7,300.00	7,040.34	7,027.34	7,027.34	35.20	243.60	-14.08	389.11	-7,444.71	8,058.59	7,782.54	276.05	29.192		
7,350.00	7,063.40	7,050.40	7,050.40	35.55	244.41	-14.44	389.11	-7,444.71	8,014.54	7,737.68	276.86	28.948		
7,400.00	7,082.97	7,069.97	7,069.97	35.94	245.09	-15.20	389.11	-7,444.71	7,968.78	7,691.24	277.55	28.711		
7,450.00	7,098.91	7,085.91	7,085.91	36.36	245.65	-16.59	389.11	-7,444.71	7,921.60	7,643.50	278.10	28.485		
7,500.00	7,111.13	7,101.87	7,098.13	36.83	246.20	-19.20	389.11	-7,444.71	7,873.27	7,594.62	278.65	28.255		
7,550.00	7,119.55	7,106.55	7,106.55	37.34	246.37	-24.87	389.11	-7,444.71	7,824.11	7,545.30	278.81	28.062		
7,600.00	7,124.13	7,111.13	7,111.13	37.88	246.53	-42.78	389.11	-7,444.71	7,774.41	7,495.43	278.97	27.868		
7,639.68	7,125.00	7,112.00	7,112.00	38.33	246.56	-102.42	389.11	-7,444.71	7,734.78	7,455.78	279.00	27.723		
7,700.00	7,124.48	7,111.48	7,111.48	39.05	246.54	-102.33	389.11	-7,444.71	7,674.51	7,395.52	278.99	27.508		
7,800.00	7,123.60	7,110.60	7,110.60	40.40	246.51	-102.17	389.11	-7,444.71	7,574.60	7,295.63	278.97	27.152		
7,900.00	7,122.72	7,109.72	7,109.72	41.90	246.48	-102.01	389.11	-7,444.71	7,474.69	7,195.74	278.94	26.796		
8,000.00	7,121.84	7,108.84	7,108.84	43.54	246.45	-101.86	389.11	-7,444.71	7,374.78	7,095.85	278.92	26.440		
8,100.00	7,120.97	7,107.97	7,107.97	45.30	246.42	-101.70	389.11	-7,444.71	7,274.87	6,995.96	278.91	26.084		
8,200.00	7,120.09	7,107.09	7,107.09	47.17	246.39	-101.54	389.11	-7,444.71	7,174.96	6,896.07	278.89	25.727		
8,300.00	7,119.21	7,106.21	7,106.21	49.13	246.35	-101.39	389.11	-7,444.71	7,075.06	6,796.18	278.88	25.370		
8,400.00	7,118.33	7,105.33	7,105.33	51.18	246.32	-101.23	389.11	-7,444.71	6,975.16	6,696.30	278.86	25.013		
8,500.00	7,117.46	7,104.46	7,104.46	53.30	246.29	-101.07	389.11	-7,444.71	6,875.26	6,596.41	278.85	24.655		
8,600.00	7,116.58	7,103.58	7,103.58	55.48	246.26	-100.92	389.11	-7,444.71	6,775.37	6,496.52	278.85	24.298		
8,700.00	7,115.70	7,102.70	7,102.70	57.72	246.23	-100.76	389.11	-7,444.71	6,675.48	6,396.64	278.84	23.940		
8,800.00	7,114.82	7,101.82	7,101.82	60.02	246.20	-100.60	389.11	-7,444.71	6,575.59	6,296.75	278.84	23.582		
8,900.00	7,113.95	7,100.95	7,100.95	62.36	246.17	-100.44	389.11	-7,444.71	6,475.70	6,196.87	278.83	23.224		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 - PEANUT #1 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
9,000.00	7,113.07	7,100.07	7,100.07	64.74	246.14	-100.29	389.11	-7,444.71	6,375.82	6,096.99	278.83	22.866				
9,100.00	7,112.19	7,100.81	7,099.19	67.15	246.17	-100.13	389.11	-7,444.71	6,275.94	5,997.05	278.89	22.503				
9,200.00	7,111.31	7,101.69	7,098.31	69.60	246.20	-99.97	389.11	-7,444.71	6,176.07	5,897.11	278.96	22.139				
9,300.00	7,110.44	7,102.56	7,097.44	72.08	246.23	-99.81	389.11	-7,444.71	6,076.20	5,797.17	279.03	21.776				
9,400.00	7,109.56	7,103.44	7,096.56	74.58	246.26	-99.65	389.11	-7,444.71	5,976.34	5,697.23	279.11	21.412				
9,500.00	7,108.68	7,104.32	7,095.68	77.10	246.29	-99.49	389.11	-7,444.71	5,876.47	5,597.29	279.18	21.049				
9,600.00	7,107.81	7,105.20	7,094.81	79.65	246.32	-99.33	389.11	-7,444.71	5,776.62	5,497.36	279.26	20.685				
9,700.00	7,106.93	7,106.07	7,093.93	82.22	246.35	-99.18	389.11	-7,444.71	5,676.77	5,397.42	279.34	20.322				
9,800.00	7,106.05	7,106.95	7,093.05	84.80	246.38	-99.02	389.11	-7,444.71	5,576.92	5,297.49	279.43	19.958				
9,900.00	7,105.17	7,107.83	7,092.17	87.40	246.41	-98.86	389.11	-7,444.71	5,477.08	5,197.56	279.52	19.595				
10,000.00	7,104.30	7,108.70	7,091.30	90.02	246.44	-98.70	389.11	-7,444.71	5,377.24	5,097.63	279.62	19.231				
10,100.00	7,103.42	7,109.58	7,090.42	92.64	246.47	-98.54	389.11	-7,444.71	5,277.42	4,997.70	279.71	18.867				
10,200.00	7,102.54	7,089.54	7,089.54	95.28	245.77	-98.38	389.11	-7,444.71	5,177.59	4,898.51	279.09	18.552				
10,300.00	7,101.66	7,088.66	7,088.66	97.94	245.74	-98.22	389.11	-7,444.71	5,077.78	4,798.64	279.13	18.191				
10,400.00	7,100.79	7,087.79	7,087.79	100.60	245.71	-98.06	389.11	-7,444.71	4,977.97	4,698.78	279.18	17.830				
10,500.00	7,099.91	7,086.91	7,086.91	103.27	245.68	-97.90	389.11	-7,444.71	4,878.17	4,598.93	279.24	17.469				
10,600.00	7,099.03	7,086.03	7,086.03	105.95	245.65	-97.74	389.11	-7,444.71	4,778.38	4,499.07	279.31	17.108				
10,700.00	7,098.15	7,085.15	7,085.15	108.64	245.62	-97.58	389.11	-7,444.71	4,678.59	4,399.22	279.38	16.747				
10,800.00	7,097.28	7,084.28	7,084.28	111.33	245.59	-97.42	389.11	-7,444.71	4,578.82	4,299.37	279.45	16.385				
10,900.00	7,096.40	7,083.40	7,083.40	114.04	245.56	-97.26	389.11	-7,444.71	4,479.05	4,199.52	279.54	16.023				
11,000.00	7,095.52	7,082.52	7,082.52	116.74	245.53	-97.10	389.11	-7,444.71	4,379.30	4,099.67	279.63	15.661				
11,100.00	7,094.64	7,081.64	7,081.64	119.46	245.50	-96.93	389.11	-7,444.71	4,279.56	3,999.83	279.73	15.299				
11,200.00	7,093.77	7,080.77	7,080.77	122.18	245.47	-96.77	389.11	-7,444.71	4,179.82	3,899.98	279.84	14.936				
11,300.00	7,092.89	7,079.89	7,079.89	124.91	245.44	-96.61	389.11	-7,444.71	4,080.11	3,800.15	279.96	14.574				
11,400.00	7,092.01	7,079.01	7,079.01	127.64	245.41	-96.45	389.11	-7,444.71	3,980.40	3,700.31	280.09	14.211				
11,500.00	7,091.13	7,078.13	7,078.13	130.38	245.37	-96.29	389.11	-7,444.71	3,880.71	3,600.47	280.24	13.848				
11,600.00	7,090.26	7,077.26	7,077.26	133.12	245.34	-96.13	389.11	-7,444.71	3,781.04	3,500.64	280.40	13.484				
11,700.00	7,089.38	7,076.38	7,076.38	135.86	245.31	-95.97	389.11	-7,444.71	3,681.39	3,400.81	280.57	13.121				
11,800.00	7,088.50	7,075.50	7,075.50	138.61	245.28	-95.81	389.11	-7,444.71	3,581.75	3,300.98	280.77	12.757				
11,900.00	7,087.63	7,074.63	7,074.63	141.36	245.25	-95.64	389.11	-7,444.71	3,482.14	3,201.16	280.98	12.393				
12,000.00	7,086.75	7,073.75	7,073.75	144.12	245.22	-95.48	389.11	-7,444.71	3,382.54	3,101.33	281.21	12.029				
12,100.00	7,085.87	7,072.87	7,072.87	146.88	245.19	-95.32	389.11	-7,444.71	3,282.97	3,001.51	281.46	11.664				
12,200.00	7,084.99	7,071.99	7,071.99	149.64	245.16	-95.16	389.11	-7,444.71	3,183.43	2,901.69	281.75	11.299				
12,300.00	7,084.12	7,071.12	7,071.12	152.40	245.13	-95.00	389.11	-7,444.71	3,083.92	2,801.86	282.06	10.934				
12,400.00	7,083.24	7,070.24	7,070.24	155.17	245.10	-94.84	389.11	-7,444.71	2,984.44	2,702.04	282.40	10.568				
12,500.00	7,082.36	7,069.36	7,069.36	157.94	245.07	-94.67	389.11	-7,444.71	2,885.00	2,602.21	282.78	10.202				
12,600.00	7,081.48	7,068.48	7,068.48	160.71	245.04	-94.51	389.11	-7,444.71	2,785.59	2,502.38	283.21	9.836				
12,700.00	7,080.61	7,067.61	7,067.61	163.49	245.01	-94.35	389.11	-7,444.71	2,686.23	2,402.55	283.68	9.469				
12,800.00	7,079.73	7,066.73	7,066.73	166.27	244.98	-94.19	389.11	-7,444.71	2,586.92	2,302.71	284.21	9.102				
12,900.00	7,078.85	7,065.85	7,065.85	169.04	244.95	-94.02	389.11	-7,444.71	2,487.66	2,202.86	284.80	8.735				
13,000.00	7,077.97	7,064.97	7,064.97	171.83	244.92	-93.86	389.11	-7,444.71	2,388.47	2,103.00	285.46	8.367				
13,100.00	7,077.10	7,064.10	7,064.10	174.61	244.88	-93.70	389.11	-7,444.71	2,289.34	2,003.13	286.21	7.999				
13,200.00	7,076.22	7,063.22	7,063.22	177.39	244.85	-93.54	389.11	-7,444.71	2,190.30	1,903.24	287.06	7.630				
13,300.00	7,075.34	7,062.34	7,062.34	180.18	244.82	-93.37	389.11	-7,444.71	2,091.34	1,803.33	288.01	7.261				
13,400.00	7,074.46	7,061.46	7,061.46	182.97	244.79	-93.21	389.11	-7,444.71	1,992.49	1,703.38	289.10	6.892				
13,500.00	7,073.59	7,060.59	7,060.59	185.76	244.76	-93.05	389.11	-7,444.71	1,893.76	1,603.40	290.35	6.522				
13,600.00	7,072.71	7,059.71	7,059.71	188.55	244.73	-92.88	389.11	-7,444.71	1,795.16	1,503.38	291.78	6.152				
13,700.00	7,071.83	7,058.83	7,058.83	191.34	244.70	-92.72	389.11	-7,444.71	1,696.74	1,403.30	293.43	5.782				
13,800.00	7,070.95	7,057.95	7,057.95	194.14	244.67	-92.56	389.11	-7,444.71	1,598.50	1,303.16	295.35	5.412				
13,900.00	7,070.08	7,057.08	7,057.08	196.93	244.64	-92.40	389.11	-7,444.71	1,500.50	1,202.93	297.58	5.042				
14,000.00	7,069.20	7,056.20	7,056.20	199.73	244.61	-92.23	389.11	-7,444.71	1,402.79	1,102.59	300.20	4.673				
14,100.00	7,068.32	7,055.32	7,055.32	202.53	244.58	-92.07	389.11	-7,444.71	1,305.41	1,002.12	303.29	4.304				

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 32C-6-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 32C-6-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		
14,200.00	7,067.45	7,054.45	7,054.45	205.33	244.55	-91.91	389.11	-7,444.71	1,208.47	901.49	306.98	3.937		
14,300.00	7,066.57	7,053.57	7,053.57	208.13	244.52	-91.74	389.11	-7,444.71	1,112.06	800.66	311.40	3.571		
14,400.00	7,065.69	7,052.69	7,052.69	210.93	244.49	-91.58	389.11	-7,444.71	1,016.35	699.58	316.77	3.208		
14,500.00	7,064.81	7,051.81	7,051.81	213.73	244.46	-91.42	389.11	-7,444.71	921.56	598.20	323.35	2.850		
14,600.00	7,063.94	7,050.94	7,050.94	216.54	244.43	-91.25	389.11	-7,444.71	827.98	496.47	331.51	2.498		
14,700.00	7,063.06	7,050.06	7,050.06	219.34	244.39	-91.09	389.11	-7,444.71	736.10	394.33	341.77	2.154		
14,800.00	7,062.18	7,049.18	7,049.18	222.15	244.36	-90.93	389.11	-7,444.71	646.62	291.82	354.80	1.822		
14,900.00	7,061.30	7,048.30	7,048.30	224.95	244.33	-90.77	389.11	-7,444.71	560.72	189.17	371.54	1.509		
15,000.00	7,060.43	7,047.43	7,047.43	227.76	244.30	-90.60	389.11	-7,444.71	480.30	87.29	393.01	1.222 Level 2		
15,100.00	7,059.55	7,046.55	7,046.55	230.57	244.27	-90.44	389.11	-7,444.71	408.61	-11.12	419.73	0.974 Level 1		
15,200.00	7,058.67	7,045.67	7,045.67	233.38	244.24	-90.28	389.11	-7,444.71	351.06	-98.70	449.76	0.781 Level 1		
15,300.00	7,057.79	7,044.79	7,044.79	236.19	244.21	-90.11	389.11	-7,444.71	315.47	-159.46	474.92	0.664 Level 1		
15,368.63	7,057.19	7,044.19	7,044.19	238.12	244.19	-90.00	389.11	-7,444.71	307.91	-174.39	482.31	0.638 Level 1, CC, ES, SF		
15,400.00	7,056.92	7,043.92	7,043.92	239.00	244.18	-89.95	389.11	-7,444.71	309.50	-172.45	481.95	0.642 Level 1		
15,500.00	7,056.04	7,043.04	7,043.04	241.81	244.15	-89.79	389.11	-7,444.71	334.76	-132.15	466.91	0.717 Level 1		
15,600.00	7,055.16	7,042.16	7,042.16	244.62	244.12	-89.62	389.11	-7,444.71	385.15	-55.58	440.73	0.874 Level 1		
15,700.00	7,054.28	7,041.28	7,041.28	247.43	244.09	-89.46	389.11	-7,444.71	452.34	37.94	414.40	1.092 Level 2		
15,800.00	7,053.41	7,040.41	7,040.41	250.25	244.06	-89.30	389.11	-7,444.71	529.98	137.78	392.19	1.351 Level 3		
15,846.35	7,053.00	7,040.00	7,040.00	251.55	244.04	-89.22	389.11	-7,444.71	568.34	184.87	383.47	1.482 Level 3		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-85.98	420.03	-5,979.09	5,993.82					
100.00	100.00	135.00	135.00	3.28	4.42	-85.98	420.03	-5,979.09	5,993.82	5,986.11	7.71	777.634		
200.00	200.00	235.00	235.00	3.34	7.24	-85.98	420.03	-5,979.09	5,993.82	5,983.24	10.58	566.494		
300.00	299.98	334.98	334.98	3.44	10.48	-130.50	420.03	-5,979.09	5,994.95	5,981.04	13.92	430.683		
400.00	399.84	434.84	434.84	3.61	13.83	-130.48	420.03	-5,979.09	5,998.36	5,980.92	17.43	344.103		
500.00	499.45	534.45	534.45	3.81	17.23	-130.46	420.03	-5,979.09	6,004.03	5,982.99	21.03	285.441		
600.00	598.70	633.70	633.70	4.06	20.64	-130.43	420.03	-5,979.09	6,011.97	5,987.27	24.69	243.488		
700.00	697.47	732.47	732.47	4.35	24.05	-130.38	420.03	-5,979.09	6,022.18	5,993.80	28.38	212.182		
800.00	795.62	830.62	830.62	4.66	27.45	-130.33	420.03	-5,979.09	6,034.67	6,002.57	32.09	188.032		
817.50	812.73	847.73	847.73	4.73	28.04	-130.32	420.03	-5,979.09	6,037.09	6,004.34	32.75	184.357		
900.00	893.32	928.32	928.32	5.01	30.84	-130.44	420.03	-5,979.09	6,048.67	6,012.85	35.82	168.854		
1,000.00	991.01	1,026.01	1,026.01	5.38	34.23	-130.59	420.03	-5,979.09	6,062.76	6,023.18	39.57	153.205		
1,100.00	1,088.69	1,123.69	1,123.69	5.77	37.63	-130.75	420.03	-5,979.09	6,076.88	6,033.54	43.35	140.198		
1,200.00	1,186.38	1,221.38	1,221.38	6.18	41.02	-130.90	420.03	-5,979.09	6,091.05	6,043.92	47.13	129.228		
1,300.00	1,284.06	1,319.06	1,319.06	6.60	44.42	-131.05	420.03	-5,979.09	6,105.26	6,054.32	50.94	119.859		
1,400.00	1,381.75	1,416.75	1,416.75	7.03	47.83	-131.19	420.03	-5,979.09	6,119.51	6,064.76	54.75	111.769		
1,500.00	1,479.44	1,514.44	1,514.44	7.47	51.23	-131.34	420.03	-5,979.09	6,133.81	6,075.23	58.57	104.717		
1,600.00	1,577.12	1,612.12	1,612.12	7.91	54.63	-131.49	420.03	-5,979.09	6,148.14	6,085.74	62.41	98.518		
1,700.00	1,674.81	1,709.81	1,709.81	8.37	58.04	-131.64	420.03	-5,979.09	6,162.52	6,096.27	66.24	93.028		
1,800.00	1,772.49	1,807.49	1,807.49	8.82	61.44	-131.78	420.03	-5,979.09	6,176.93	6,106.85	70.09	88.132		
1,900.00	1,870.18	1,905.18	1,905.18	9.28	64.85	-131.93	420.03	-5,979.09	6,191.39	6,117.46	73.93	83.741		
2,000.00	1,967.87	2,002.87	2,002.87	9.75	68.25	-132.08	420.03	-5,979.09	6,205.89	6,128.10	77.79	79.781		
2,100.00	2,065.55	2,100.55	2,100.55	10.22	71.66	-132.22	420.03	-5,979.09	6,220.42	6,138.78	81.64	76.192		
2,200.00	2,163.24	2,201.76	2,198.24	10.69	75.19	-132.36	420.03	-5,979.09	6,235.00	6,149.38	85.62	72.819		
2,300.00	2,260.92	2,304.08	2,295.92	11.16	78.76	-132.51	420.03	-5,979.09	6,249.61	6,159.97	89.64	69.715		
2,400.00	2,358.61	2,406.39	2,393.61	11.64	82.33	-132.65	420.03	-5,979.09	6,264.27	6,170.60	93.67	66.877		
2,500.00	2,456.30	2,508.70	2,491.30	12.12	85.90	-132.79	420.03	-5,979.09	6,278.96	6,181.27	97.70	64.271		
2,600.00	2,553.98	2,588.98	2,588.98	12.59	89.70	-132.93	420.03	-5,979.09	6,293.69	6,192.74	100.95	62.342		
2,700.00	2,651.67	2,686.67	2,686.67	13.08	92.10	-133.07	420.03	-5,979.09	6,308.46	6,203.64	104.82	60.182		
2,800.00	2,749.35	2,784.35	2,784.35	13.56	95.51	-133.21	420.03	-5,979.09	6,323.27	6,214.58	108.69	58.176		
2,900.00	2,847.04	2,882.04	2,882.04	14.04	98.92	-133.35	420.03	-5,979.09	6,338.11	6,225.55	112.56	56.307		
3,000.00	2,944.72	2,979.72	2,979.72	14.52	102.33	-133.49	420.03	-5,979.09	6,352.99	6,236.56	116.43	54.563		
3,100.00	3,042.41	3,077.41	3,077.41	15.01	105.74	-133.63	420.03	-5,979.09	6,367.91	6,247.61	120.31	52.931		
3,200.00	3,140.10	3,175.10	3,175.10	15.50	109.15	-133.76	420.03	-5,979.09	6,382.87	6,258.69	124.18	51.400		
3,300.00	3,237.78	3,272.78	3,272.78	15.98	112.56	-133.90	420.03	-5,979.09	6,397.86	6,269.81	128.05	49.962		
3,400.00	3,335.47	3,370.47	3,370.47	16.47	115.96	-134.04	420.03	-5,979.09	6,412.89	6,280.96	131.93	48.609		
3,500.00	3,433.15	3,468.15	3,468.15	16.96	119.37	-134.17	420.03	-5,979.09	6,427.95	6,292.15	135.80	47.332		
3,600.00	3,530.84	3,565.84	3,565.84	17.45	122.78	-134.31	420.03	-5,979.09	6,443.05	6,303.37	139.68	46.127		
3,700.00	3,628.53	3,663.53	3,663.53	17.94	126.19	-134.44	420.03	-5,979.09	6,458.19	6,314.63	143.56	44.987		
3,800.00	3,726.21	3,761.21	3,761.21	18.43	129.60	-134.58	420.03	-5,979.09	6,473.36	6,325.93	147.43	43.907		
3,900.00	3,823.90	3,858.90	3,858.90	18.92	133.01	-134.71	420.03	-5,979.09	6,488.57	6,337.26	151.31	42.882		
4,000.00	3,921.58	3,956.58	3,956.58	19.41	136.42	-134.84	420.03	-5,979.09	6,503.81	6,348.62	155.19	41.909		
4,100.00	4,019.27	4,054.27	4,054.27	19.90	139.83	-134.97	420.03	-5,979.09	6,519.08	6,360.02	159.07	40.983		
4,200.00	4,116.96	4,151.96	4,151.96	20.39	143.24	-135.10	420.03	-5,979.09	6,534.39	6,371.45	162.95	40.102		
4,300.00	4,214.64	4,249.64	4,249.64	20.88	146.65	-135.23	420.03	-5,979.09	6,549.74	6,382.91	166.82	39.261		
4,400.00	4,312.33	4,347.33	4,347.33	21.37	150.06	-135.36	420.03	-5,979.09	6,565.12	6,394.41	170.70	38.459		
4,500.00	4,410.01	4,445.01	4,445.01	21.87	153.47	-135.49	420.03	-5,979.09	6,580.53	6,405.94	174.58	37.693		
4,600.00	4,507.70	4,542.70	4,542.70	22.36	156.87	-135.62	420.03	-5,979.09	6,595.97	6,417.51	178.46	36.960		
4,700.00	4,605.39	4,640.39	4,640.39	22.85	160.28	-135.75	420.03	-5,979.09	6,611.45	6,429.11	182.34	36.259		
4,800.00	4,703.07	4,738.07	4,738.07	23.35	163.69	-135.88	420.03	-5,979.09	6,626.96	6,440.74	186.22	35.587		
4,900.00	4,800.76	4,835.76	4,835.76	23.84	167.10	-136.01	420.03	-5,979.09	6,642.50	6,452.40	190.10	34.942		
5,000.00	4,898.44	4,933.44	4,933.44	24.33	170.51	-136.13	420.03	-5,979.09	6,658.08	6,464.10	193.98	34.324		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,031.13	5,031.13	24.83	173.92	-136.26	420.03	-5,979.09	6,673.69	6,475.83	197.86	33.729		
5,200.00	5,093.82	5,128.82	5,128.82	25.32	177.33	-136.38	420.03	-5,979.09	6,689.33	6,487.59	201.74	33.158		
5,300.00	5,191.50	5,226.50	5,226.50	25.82	180.74	-136.51	420.03	-5,979.09	6,705.00	6,499.38	205.62	32.609		
5,400.00	5,289.19	5,324.19	5,324.19	26.31	184.15	-136.63	420.03	-5,979.09	6,720.70	6,511.20	209.50	32.080		
5,500.00	5,386.87	5,421.87	5,421.87	26.81	187.56	-136.76	420.03	-5,979.09	6,736.44	6,523.05	213.38	31.570		
5,600.00	5,484.56	5,519.56	5,519.56	27.30	190.97	-136.88	420.03	-5,979.09	6,752.20	6,534.94	217.26	31.079		
5,700.00	5,582.25	5,617.25	5,617.25	27.80	194.38	-137.00	420.03	-5,979.09	6,768.00	6,546.86	221.14	30.605		
5,800.00	5,679.93	5,714.93	5,714.93	28.29	197.79	-137.12	420.03	-5,979.09	6,783.82	6,558.80	225.02	30.147		
5,900.00	5,777.62	5,812.62	5,812.62	28.79	201.20	-137.24	420.03	-5,979.09	6,799.68	6,570.78	228.90	29.706		
6,000.00	5,875.30	5,910.30	5,910.30	29.28	204.61	-137.36	420.03	-5,979.09	6,815.57	6,582.79	232.78	29.279		
6,100.00	5,972.99	6,007.99	6,007.99	29.78	208.02	-137.49	420.03	-5,979.09	6,831.49	6,594.82	236.66	28.866		
6,200.00	6,070.67	6,105.67	6,105.67	30.27	211.43	-137.60	420.03	-5,979.09	6,847.43	6,606.89	240.54	28.466		
6,300.00	6,168.36	6,203.36	6,203.36	30.77	214.84	-137.72	420.03	-5,979.09	6,863.41	6,618.99	244.43	28.080		
6,400.00	6,266.05	6,301.05	6,301.05	31.26	218.25	-137.84	420.03	-5,979.09	6,879.42	6,631.11	248.31	27.705		
6,500.00	6,363.73	6,401.27	6,398.73	31.76	221.75	-137.96	420.03	-5,979.09	6,895.45	6,643.18	252.28	27.333		
6,534.50	6,397.43	6,432.43	6,432.43	31.93	222.84	-138.00	420.03	-5,979.09	6,900.99	6,647.47	253.53	27.220		
6,550.00	6,412.60	6,447.60	6,447.60	32.01	223.36	-133.21	420.03	-5,979.09	6,903.30	6,649.17	254.13	27.165		
6,600.00	6,461.82	6,503.18	6,496.82	32.24	225.30	-111.60	420.03	-5,979.09	6,908.18	6,651.88	256.29	26.954		
6,650.00	6,511.25	6,546.25	6,546.25	32.45	226.81	-82.58	420.03	-5,979.09	6,909.15	6,651.14	258.01	26.779		
6,700.00	6,560.58	6,604.42	6,595.58	32.64	228.84	-57.56	420.03	-5,979.09	6,906.21	6,645.98	260.23	26.539		
6,750.00	6,609.51	6,644.51	6,644.51	32.83	230.24	-41.86	420.03	-5,979.09	6,899.38	6,637.57	261.81	26.353		
6,800.00	6,657.74	6,707.26	6,692.74	33.01	232.43	-32.54	420.03	-5,979.09	6,888.69	6,624.54	264.15	26.078		
6,850.00	6,704.97	6,739.97	6,739.97	33.18	233.57	-26.72	420.03	-5,979.09	6,874.22	6,608.79	265.43	25.898		
6,900.00	6,750.90	6,785.90	6,785.90	33.36	235.17	-22.89	420.03	-5,979.09	6,856.05	6,588.89	267.16	25.663		
6,950.00	6,795.26	6,830.26	6,830.26	33.54	236.72	-20.26	420.03	-5,979.09	6,834.29	6,565.48	268.81	25.424		
7,000.00	6,837.77	6,872.77	6,872.77	33.73	238.21	-18.40	420.03	-5,979.09	6,809.08	6,538.70	270.38	25.183		
7,050.00	6,878.17	6,913.17	6,913.17	33.92	239.62	-17.08	420.03	-5,979.09	6,780.58	6,508.71	271.87	24.941		
7,100.00	6,916.21	6,951.21	6,951.21	34.13	240.94	-16.16	420.03	-5,979.09	6,748.95	6,475.70	273.25	24.699		
7,150.00	6,951.66	6,986.66	6,986.66	34.36	242.18	-15.56	420.03	-5,979.09	6,714.40	6,439.86	274.54	24.457		
7,200.00	6,984.29	7,019.29	7,019.29	34.61	243.32	-15.24	420.03	-5,979.09	6,677.13	6,401.42	275.71	24.218		
7,250.00	7,013.91	7,048.91	7,048.91	34.89	244.35	-15.19	420.03	-5,979.09	6,637.37	6,360.60	276.77	23.982		
7,300.00	7,040.34	7,075.34	7,075.34	35.20	245.28	-15.43	420.03	-5,979.09	6,595.37	6,317.67	277.70	23.750		
7,350.00	7,063.40	7,101.60	7,098.40	35.55	246.19	-16.02	420.03	-5,979.09	6,551.39	6,272.77	278.63	23.513		
7,400.00	7,082.97	7,117.97	7,117.97	35.94	246.76	-17.11	420.03	-5,979.09	6,505.70	6,226.50	279.20	23.301		
7,450.00	7,098.91	7,133.91	7,133.91	36.36	247.32	-18.99	420.03	-5,979.09	6,458.57	6,178.82	279.76	23.086		
7,500.00	7,111.13	7,146.13	7,146.13	36.83	247.75	-22.40	420.03	-5,979.09	6,410.30	6,130.12	280.18	22.879		
7,550.00	7,119.55	7,154.55	7,154.55	37.34	248.04	-29.53	420.03	-5,979.09	6,361.18	6,080.71	280.47	22.680		
7,600.00	7,124.13	7,159.13	7,159.13	37.88	248.20	-49.77	420.03	-5,979.09	6,311.52	6,030.89	280.63	22.491		
7,639.68	7,125.00	7,160.00	7,160.00	38.33	248.23	-99.31	420.03	-5,979.09	6,271.92	5,991.26	280.66	22.347		
7,700.00	7,124.48	7,159.48	7,159.48	39.05	248.21	-99.22	420.03	-5,979.09	6,211.69	5,931.05	280.65	22.133		
7,800.00	7,123.60	7,158.60	7,158.60	40.40	248.18	-99.07	420.03	-5,979.09	6,111.85	5,831.22	280.63	21.779		
7,900.00	7,122.72	7,157.72	7,157.72	41.90	248.15	-98.93	420.03	-5,979.09	6,012.00	5,731.39	280.61	21.425		
8,000.00	7,121.84	7,156.84	7,156.84	43.54	248.12	-98.78	420.03	-5,979.09	5,912.16	5,631.57	280.59	21.070		
8,100.00	7,120.97	7,155.97	7,155.97	45.30	248.09	-98.64	420.03	-5,979.09	5,812.33	5,531.75	280.58	20.716		
8,200.00	7,120.09	7,155.09	7,155.09	47.17	248.06	-98.49	420.03	-5,979.09	5,712.51	5,431.94	280.57	20.361		
8,300.00	7,119.21	7,154.21	7,154.21	49.13	248.03	-98.34	420.03	-5,979.09	5,612.68	5,332.12	280.56	20.005		
8,400.00	7,118.33	7,153.33	7,153.33	51.18	248.00	-98.20	420.03	-5,979.09	5,512.87	5,232.32	280.55	19.650		
8,500.00	7,117.46	7,152.46	7,152.46	53.30	247.97	-98.05	420.03	-5,979.09	5,413.06	5,132.51	280.55	19.294		
8,600.00	7,116.58	7,151.58	7,151.58	55.48	247.94	-97.90	420.03	-5,979.09	5,313.26	5,032.71	280.55	18.939		
8,700.00	7,115.70	7,150.70	7,150.70	57.72	247.91	-97.75	420.03	-5,979.09	5,213.47	4,932.91	280.56	18.582		
8,800.00	7,114.82	7,149.82	7,149.82	60.02	247.88	-97.61	420.03	-5,979.09	5,113.68	4,833.12	280.57	18.226		
8,900.00	7,113.95	7,148.95	7,148.95	62.36	247.85	-97.46	420.03	-5,979.09	5,013.91	4,733.33	280.58	17.870		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
9,000.00	7,113.07	7,148.07	7,148.07	64.74	247.82	-97.31	420.03	-5,979.09	4,914.14	4,633.54	280.60	17.513		
9,100.00	7,112.19	7,147.19	7,147.19	67.15	247.79	-97.16	420.03	-5,979.09	4,814.38	4,533.76	280.62	17.156		
9,200.00	7,111.31	7,146.31	7,146.31	69.60	247.75	-97.02	420.03	-5,979.09	4,714.63	4,433.99	280.64	16.799		
9,300.00	7,110.44	7,145.44	7,145.44	72.08	247.72	-96.87	420.03	-5,979.09	4,614.89	4,334.22	280.67	16.442		
9,400.00	7,109.56	7,144.56	7,144.56	74.58	247.69	-96.72	420.03	-5,979.09	4,515.17	4,234.46	280.71	16.085		
9,500.00	7,108.68	7,143.68	7,143.68	77.10	247.66	-96.57	420.03	-5,979.09	4,415.45	4,134.70	280.75	15.727		
9,600.00	7,107.81	7,142.81	7,142.81	79.65	247.63	-96.42	420.03	-5,979.09	4,315.75	4,034.95	280.80	15.369		
9,700.00	7,106.93	7,141.93	7,141.93	82.22	247.60	-96.28	420.03	-5,979.09	4,216.07	3,935.21	280.86	15.011		
9,800.00	7,106.05	7,141.05	7,141.05	84.80	247.57	-96.13	420.03	-5,979.09	4,116.40	3,835.47	280.93	14.653		
9,900.00	7,105.17	7,140.17	7,140.17	87.40	247.54	-95.98	420.03	-5,979.09	4,016.74	3,735.74	281.00	14.294		
10,000.00	7,104.30	7,139.30	7,139.30	90.02	247.51	-95.83	420.03	-5,979.09	3,917.10	3,636.02	281.09	13.936		
10,100.00	7,103.42	7,138.42	7,138.42	92.64	247.48	-95.68	420.03	-5,979.09	3,817.48	3,536.30	281.18	13.577		
10,200.00	7,102.54	7,137.54	7,137.54	95.28	247.45	-95.54	420.03	-5,979.09	3,717.88	3,436.60	281.29	13.217		
10,300.00	7,101.66	7,136.66	7,136.66	97.94	247.42	-95.39	420.03	-5,979.09	3,618.30	3,336.90	281.41	12.858		
10,400.00	7,100.79	7,135.79	7,135.79	100.60	247.39	-95.24	420.03	-5,979.09	3,518.75	3,237.21	281.54	12.498		
10,500.00	7,099.91	7,134.91	7,134.91	103.27	247.36	-95.09	420.03	-5,979.09	3,419.22	3,137.53	281.69	12.138		
10,600.00	7,099.03	7,134.03	7,134.03	105.95	247.33	-94.94	420.03	-5,979.09	3,319.72	3,037.86	281.86	11.778		
10,700.00	7,098.15	7,133.15	7,133.15	108.64	247.30	-94.79	420.03	-5,979.09	3,220.25	2,938.20	282.05	11.417		
10,800.00	7,097.28	7,132.28	7,132.28	111.33	247.26	-94.64	420.03	-5,979.09	3,120.82	2,838.56	282.26	11.056		
10,900.00	7,096.40	7,131.40	7,131.40	114.04	247.23	-94.49	420.03	-5,979.09	3,021.42	2,738.92	282.50	10.695		
11,000.00	7,095.52	7,130.52	7,130.52	116.74	247.20	-94.34	420.03	-5,979.09	2,922.06	2,639.30	282.77	10.334		
11,100.00	7,094.64	7,129.64	7,129.64	119.46	247.17	-94.20	420.03	-5,979.09	2,822.75	2,539.68	283.07	9.972		
11,200.00	7,093.77	7,128.77	7,128.77	122.18	247.14	-94.05	420.03	-5,979.09	2,723.49	2,440.08	283.41	9.610		
11,300.00	7,092.89	7,127.89	7,127.89	124.91	247.11	-93.90	420.03	-5,979.09	2,624.28	2,340.49	283.79	9.247		
11,400.00	7,092.01	7,127.01	7,127.01	127.64	247.08	-93.75	420.03	-5,979.09	2,525.14	2,240.91	284.22	8.884		
11,500.00	7,091.13	7,126.13	7,126.13	130.38	247.05	-93.60	420.03	-5,979.09	2,426.06	2,141.35	284.71	8.521		
11,600.00	7,090.26	7,125.26	7,125.26	133.12	247.02	-93.45	420.03	-5,979.09	2,327.07	2,041.80	285.27	8.157		
11,700.00	7,089.38	7,124.38	7,124.38	135.86	246.99	-93.30	420.03	-5,979.09	2,228.16	1,942.25	285.90	7.793		
11,800.00	7,088.50	7,123.50	7,123.50	138.61	246.96	-93.15	420.03	-5,979.09	2,129.35	1,842.72	286.63	7.429		
11,900.00	7,087.63	7,122.63	7,122.63	141.36	246.93	-93.00	420.03	-5,979.09	2,030.67	1,743.20	287.46	7.064		
12,000.00	7,086.75	7,121.75	7,121.75	144.12	246.90	-92.85	420.03	-5,979.09	1,932.11	1,643.69	288.42	6.699		
12,100.00	7,085.87	7,120.87	7,120.87	146.88	246.87	-92.70	420.03	-5,979.09	1,833.72	1,544.19	289.53	6.333		
12,200.00	7,084.99	7,119.99	7,119.99	149.64	246.84	-92.55	420.03	-5,979.09	1,735.50	1,444.69	290.81	5.968		
12,300.00	7,084.12	7,119.12	7,119.12	152.40	246.81	-92.40	420.03	-5,979.09	1,637.50	1,345.19	292.31	5.602		
12,400.00	7,083.24	7,118.24	7,118.24	155.17	246.77	-92.25	420.03	-5,979.09	1,539.76	1,245.69	294.07	5.236		
12,500.00	7,082.36	7,117.36	7,117.36	157.94	246.74	-92.10	420.03	-5,979.09	1,442.33	1,146.19	296.14	4.870		
12,600.00	7,081.48	7,116.48	7,116.48	160.71	246.71	-91.95	420.03	-5,979.09	1,345.27	1,046.68	298.59	4.505		
12,700.00	7,080.61	7,115.61	7,115.61	163.49	246.68	-91.80	420.03	-5,979.09	1,248.68	947.16	301.52	4.141		
12,800.00	7,079.73	7,114.73	7,114.73	166.27	246.65	-91.65	420.03	-5,979.09	1,152.67	847.62	305.04	3.779		
12,900.00	7,078.85	7,113.85	7,113.85	169.04	246.62	-91.50	420.03	-5,979.09	1,057.39	748.08	309.31	3.419		
13,000.00	7,077.97	7,112.97	7,112.97	171.83	246.59	-91.35	420.03	-5,979.09	963.08	648.54	314.54	3.062		
13,100.00	7,077.10	7,112.10	7,112.10	174.61	246.56	-91.20	420.03	-5,979.09	870.03	549.04	320.99	2.710		
13,200.00	7,076.22	7,111.22	7,111.22	177.39	246.53	-91.05	420.03	-5,979.09	778.71	449.67	329.04	2.367		
13,300.00	7,075.34	7,110.34	7,110.34	180.18	246.50	-90.90	420.03	-5,979.09	689.80	350.62	339.18	2.034		
13,400.00	7,074.46	7,109.46	7,109.46	182.97	246.47	-90.75	420.03	-5,979.09	604.37	252.33	352.04	1.717		
13,500.00	7,073.59	7,108.59	7,108.59	185.76	246.44	-90.60	420.03	-5,979.09	524.11	155.82	368.29	1.423 Level 3		
13,600.00	7,072.71	7,107.71	7,107.71	188.55	246.41	-90.45	420.03	-5,979.09	451.79	63.47	388.32	1.163 Level 2		
13,700.00	7,071.83	7,106.83	7,106.83	191.34	246.38	-90.30	420.03	-5,979.09	391.85	-19.29	411.14	0.953 Level 1		
13,800.00	7,070.95	7,105.95	7,105.95	194.14	246.35	-90.15	420.03	-5,979.09	350.68	-81.59	432.27	0.811 Level 1		
13,900.00	7,070.08	7,105.08	7,105.08	196.93	246.32	-90.00	420.03	-5,979.09	335.26	-107.99	443.24	0.756 Level 1		
13,902.88	7,070.05	7,105.05	7,105.05	197.01	246.31	-90.00	420.03	-5,979.09	335.25	-108.08	443.33	0.756 Level 1, CC, ES, SF		
14,000.00	7,069.20	7,104.20	7,104.20	199.73	246.28	-89.85	420.03	-5,979.09	349.03	-89.29	438.32	0.796 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 32C-6-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 32C-6-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		
14,100.00	7,068.32	7,103.32	7,103.32	202.53	246.25	-89.70	420.03	-5,979.09	388.90	-32.74	421.64	0.922	Level 1	
14,200.00	7,067.45	7,102.45	7,102.45	205.33	246.22	-89.55	420.03	-5,979.09	447.96	46.45	401.51	1.116	Level 2	
14,300.00	7,066.57	7,101.57	7,101.57	208.13	246.19	-89.40	420.03	-5,979.09	519.70	136.75	382.95	1.357	Level 3	
14,400.00	7,065.69	7,100.69	7,100.69	210.93	246.16	-89.25	420.03	-5,979.09	599.58	232.11	367.48	1.632		
14,500.00	7,064.81	7,100.19	7,099.81	213.73	246.14	-89.10	420.03	-5,979.09	684.77	329.76	355.01	1.929		
14,600.00	7,063.94	7,101.06	7,098.94	216.54	246.18	-88.95	420.03	-5,979.09	773.52	428.45	345.07	2.242		
14,700.00	7,063.06	7,101.94	7,098.06	219.34	246.21	-88.80	420.03	-5,979.09	864.72	527.65	337.08	2.565		
14,800.00	7,062.18	7,102.82	7,097.18	222.15	246.24	-88.66	420.03	-5,979.09	957.68	627.10	330.58	2.897		
14,900.00	7,061.30	7,103.70	7,096.30	224.95	246.27	-88.51	420.03	-5,979.09	1,051.93	726.68	325.25	3.234		
15,000.00	7,060.43	7,104.57	7,095.43	227.76	246.30	-88.36	420.03	-5,979.09	1,147.16	826.32	320.84	3.576		
15,100.00	7,059.55	7,105.45	7,094.55	230.57	246.33	-88.21	420.03	-5,979.09	1,243.13	925.99	317.14	3.920		
15,200.00	7,058.67	7,106.33	7,093.67	233.38	246.36	-88.06	420.03	-5,979.09	1,339.70	1,025.68	314.02	4.266		
15,300.00	7,057.79	7,107.21	7,092.79	236.19	246.39	-87.91	420.03	-5,979.09	1,436.73	1,125.37	311.36	4.614		
15,400.00	7,056.92	7,108.08	7,091.92	239.00	246.42	-87.76	420.03	-5,979.09	1,534.14	1,225.06	309.08	4.964		
15,500.00	7,056.04	7,108.96	7,091.04	241.81	246.45	-87.61	420.03	-5,979.09	1,631.87	1,324.76	307.11	5.314		
15,600.00	7,055.16	7,109.84	7,090.16	244.62	246.48	-87.46	420.03	-5,979.09	1,729.85	1,424.45	305.40	5.664		
15,700.00	7,054.28	7,089.28	7,089.28	247.43	245.76	-87.31	420.03	-5,979.09	1,828.06	1,524.89	303.16	6.030		
15,800.00	7,053.41	7,088.41	7,088.41	250.25	245.73	-87.16	420.03	-5,979.09	1,926.44	1,624.65	301.79	6.383		
15,846.35	7,053.00	7,088.00	7,088.00	251.55	245.72	-87.09	420.03	-5,979.09	1,972.10	1,670.89	301.21	6.547		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-97.54	-1,136.21	-8,589.34	8,664.16					
100.00	100.00	133.00	133.00	3.28	4.38	-97.54	-1,136.21	-8,589.34	8,664.16	8,656.50	7.66	1,130.909		
200.00	200.00	233.00	233.00	3.34	7.18	-97.54	-1,136.21	-8,589.34	8,664.16	8,653.64	10.52	823.716		
300.00	299.98	332.98	332.98	3.44	10.41	-142.05	-1,136.21	-8,589.34	8,665.54	8,651.68	13.85	625.512		
400.00	399.84	432.84	432.84	3.61	13.76	-142.02	-1,136.21	-8,589.34	8,669.66	8,652.30	17.36	499.263		
500.00	499.45	532.45	532.45	3.81	17.16	-141.97	-1,136.21	-8,589.34	8,676.54	8,655.57	20.97	413.808		
600.00	598.70	631.70	631.70	4.06	20.57	-141.90	-1,136.21	-8,589.34	8,686.16	8,661.54	24.62	352.741		
700.00	697.47	730.47	730.47	4.35	23.98	-141.81	-1,136.21	-8,589.34	8,698.52	8,670.21	28.32	307.197		
800.00	795.62	828.62	828.62	4.66	27.38	-141.69	-1,136.21	-8,589.34	8,713.61	8,681.59	32.03	272.076		
817.50	812.73	845.73	845.73	4.73	27.97	-141.67	-1,136.21	-8,589.34	8,716.53	8,683.85	32.68	266.724		
900.00	893.32	926.32	926.32	5.01	30.77	-141.74	-1,136.21	-8,589.34	8,730.51	8,694.76	35.75	244.200		
1,000.00	991.01	1,024.01	1,024.01	5.38	34.16	-141.83	-1,136.21	-8,589.34	8,747.46	8,707.96	39.50	221.469		
1,100.00	1,088.69	1,121.69	1,121.69	5.77	37.56	-141.92	-1,136.21	-8,589.34	8,764.43	8,721.17	43.26	202.580		
1,200.00	1,186.38	1,219.38	1,219.38	6.18	40.95	-142.00	-1,136.21	-8,589.34	8,781.43	8,734.38	47.05	186.649		
1,300.00	1,284.06	1,317.06	1,317.06	6.60	44.35	-142.09	-1,136.21	-8,589.34	8,798.44	8,747.59	50.84	173.045		
1,400.00	1,381.75	1,414.75	1,414.75	7.03	47.76	-142.17	-1,136.21	-8,589.34	8,815.47	8,760.82	54.65	161.298		
1,500.00	1,479.44	1,512.44	1,512.44	7.47	51.16	-142.25	-1,136.21	-8,589.34	8,832.52	8,774.05	58.47	151.058		
1,600.00	1,577.12	1,610.12	1,610.12	7.91	54.56	-142.34	-1,136.21	-8,589.34	8,849.59	8,787.29	62.30	142.056		
1,700.00	1,674.81	1,707.81	1,707.81	8.37	57.97	-142.42	-1,136.21	-8,589.34	8,866.68	8,800.55	66.13	134.082		
1,800.00	1,772.49	1,805.49	1,805.49	8.82	61.37	-142.51	-1,136.21	-8,589.34	8,883.78	8,813.82	69.97	126.972		
1,900.00	1,870.18	1,903.18	1,903.18	9.28	64.78	-142.59	-1,136.21	-8,589.34	8,900.91	8,827.10	73.81	120.595		
2,000.00	1,967.87	2,000.87	2,000.87	9.75	68.18	-142.67	-1,136.21	-8,589.34	8,918.05	8,840.40	77.65	114.842		
2,100.00	2,065.55	2,101.45	2,098.55	10.22	71.69	-142.75	-1,136.21	-8,589.34	8,935.21	8,853.61	81.61	109.493		
2,200.00	2,163.24	2,203.76	2,196.24	10.69	75.26	-142.84	-1,136.21	-8,589.34	8,952.39	8,866.77	85.62	104.560		
2,300.00	2,260.92	2,306.08	2,293.92	11.16	78.83	-142.92	-1,136.21	-8,589.34	8,969.59	8,879.95	89.64	100.066		
2,400.00	2,358.61	2,408.39	2,391.61	11.64	82.40	-143.00	-1,136.21	-8,589.34	8,986.81	8,893.15	93.66	95.956		
2,500.00	2,456.30	2,489.30	2,489.30	12.12	85.22	-143.08	-1,136.21	-8,589.34	9,004.04	8,907.11	96.93	92.892		
2,600.00	2,553.98	2,586.98	2,586.98	12.59	88.63	-143.16	-1,136.21	-8,589.34	9,021.29	8,920.50	100.79	89.505		
2,700.00	2,651.67	2,684.67	2,684.67	13.08	92.03	-143.24	-1,136.21	-8,589.34	9,038.56	8,933.91	104.65	86.366		
2,800.00	2,749.35	2,782.35	2,782.35	13.56	95.44	-143.32	-1,136.21	-8,589.34	9,055.85	8,947.33	108.52	83.449		
2,900.00	2,847.04	2,880.04	2,880.04	14.04	98.85	-143.40	-1,136.21	-8,589.34	9,073.15	8,960.77	112.38	80.733		
3,000.00	2,944.72	2,977.72	2,977.72	14.52	102.26	-143.48	-1,136.21	-8,589.34	9,090.47	8,974.22	116.25	78.197		
3,100.00	3,042.41	3,075.41	3,075.41	15.01	105.67	-143.56	-1,136.21	-8,589.34	9,107.81	8,987.69	120.12	75.823		
3,200.00	3,140.10	3,173.10	3,173.10	15.50	109.08	-143.64	-1,136.21	-8,589.34	9,125.17	9,001.18	123.99	73.597		
3,300.00	3,237.78	3,270.78	3,270.78	15.98	112.49	-143.72	-1,136.21	-8,589.34	9,142.54	9,014.68	127.86	71.505		
3,400.00	3,335.47	3,368.47	3,368.47	16.47	115.89	-143.80	-1,136.21	-8,589.34	9,159.93	9,028.20	131.73	69.536		
3,500.00	3,433.15	3,466.15	3,466.15	16.96	119.30	-143.88	-1,136.21	-8,589.34	9,177.34	9,041.74	135.60	67.680		
3,600.00	3,530.84	3,563.84	3,563.84	17.45	122.71	-143.95	-1,136.21	-8,589.34	9,194.76	9,055.29	139.47	65.926		
3,700.00	3,628.53	3,661.53	3,661.53	17.94	126.12	-144.03	-1,136.21	-8,589.34	9,212.20	9,068.86	143.34	64.267		
3,800.00	3,726.21	3,759.21	3,759.21	18.43	129.53	-144.11	-1,136.21	-8,589.34	9,229.66	9,082.44	147.22	62.695		
3,900.00	3,823.90	3,856.90	3,856.90	18.92	132.94	-144.19	-1,136.21	-8,589.34	9,247.13	9,096.04	151.09	61.203		
4,000.00	3,921.58	3,954.58	3,954.58	19.41	136.35	-144.26	-1,136.21	-8,589.34	9,264.62	9,109.66	154.96	59.786		
4,100.00	4,019.27	4,052.27	4,052.27	19.90	139.76	-144.34	-1,136.21	-8,589.34	9,282.13	9,123.29	158.84	58.438		
4,200.00	4,116.96	4,149.96	4,149.96	20.39	143.17	-144.42	-1,136.21	-8,589.34	9,299.65	9,136.94	162.71	57.154		
4,300.00	4,214.64	4,247.64	4,247.64	20.88	146.58	-144.49	-1,136.21	-8,589.34	9,317.19	9,150.60	166.59	55.930		
4,400.00	4,312.33	4,345.33	4,345.33	21.37	149.99	-144.57	-1,136.21	-8,589.34	9,334.75	9,164.28	170.46	54.761		
4,500.00	4,410.01	4,443.01	4,443.01	21.87	153.40	-144.64	-1,136.21	-8,589.34	9,352.32	9,177.98	174.34	53.645		
4,600.00	4,507.70	4,540.70	4,540.70	22.36	156.80	-144.72	-1,136.21	-8,589.34	9,369.90	9,191.69	178.21	52.577		
4,700.00	4,605.39	4,638.39	4,638.39	22.85	160.21	-144.79	-1,136.21	-8,589.34	9,387.50	9,205.42	182.09	51.554		
4,800.00	4,703.07	4,736.07	4,736.07	23.35	163.62	-144.87	-1,136.21	-8,589.34	9,405.12	9,219.16	185.97	50.575		
4,900.00	4,800.76	4,833.76	4,833.76	23.84	167.03	-144.94	-1,136.21	-8,589.34	9,422.76	9,232.92	189.84	49.635		
5,000.00	4,898.44	4,931.44	4,931.44	24.33	170.44	-145.02	-1,136.21	-8,589.34	9,440.41	9,246.69	193.72	48.733		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,029.13	5,029.13	24.83	173.85	-145.09	-1,136.21	-8,589.34	9,458.07	9,260.48	197.59	47.866		
5,200.00	5,093.82	5,126.82	5,126.82	25.32	177.26	-145.16	-1,136.21	-8,589.34	9,475.75	9,274.28	201.47	47.033		
5,300.00	5,191.50	5,224.50	5,224.50	25.82	180.67	-145.24	-1,136.21	-8,589.34	9,493.45	9,288.10	205.35	46.231		
5,400.00	5,289.19	5,322.19	5,322.19	26.31	184.08	-145.31	-1,136.21	-8,589.34	9,511.16	9,301.93	209.23	45.459		
5,500.00	5,386.87	5,419.87	5,419.87	26.81	187.49	-145.38	-1,136.21	-8,589.34	9,528.88	9,315.78	213.10	44.715		
5,600.00	5,484.56	5,517.56	5,517.56	27.30	190.90	-145.45	-1,136.21	-8,589.34	9,546.62	9,329.64	216.98	43.997		
5,700.00	5,582.25	5,615.25	5,615.25	27.80	194.31	-145.53	-1,136.21	-8,589.34	9,564.38	9,343.52	220.86	43.305		
5,800.00	5,679.93	5,712.93	5,712.93	28.29	197.72	-145.60	-1,136.21	-8,589.34	9,582.15	9,357.41	224.74	42.637		
5,900.00	5,777.62	5,810.62	5,810.62	28.79	201.13	-145.67	-1,136.21	-8,589.34	9,599.93	9,371.32	228.61	41.992		
6,000.00	5,875.30	5,908.30	5,908.30	29.28	204.54	-145.74	-1,136.21	-8,589.34	9,617.73	9,385.24	232.49	41.368		
6,100.00	5,972.99	6,005.99	6,005.99	29.78	207.95	-145.81	-1,136.21	-8,589.34	9,635.55	9,399.18	236.37	40.765		
6,200.00	6,070.67	6,103.67	6,103.67	30.27	211.36	-145.88	-1,136.21	-8,589.34	9,653.38	9,413.13	240.25	40.181		
6,300.00	6,168.36	6,201.36	6,201.36	30.77	214.77	-145.95	-1,136.21	-8,589.34	9,671.22	9,427.09	244.13	39.616		
6,400.00	6,266.05	6,300.95	6,299.05	31.26	218.25	-146.02	-1,136.21	-8,589.34	9,689.08	9,441.01	248.07	39.058		
6,500.00	6,363.73	6,403.27	6,396.73	31.76	221.82	-146.09	-1,136.21	-8,589.34	9,706.95	9,454.84	252.11	38.503		
6,534.50	6,397.43	6,430.43	6,430.43	31.93	222.77	-146.12	-1,136.21	-8,589.34	9,713.12	9,459.90	253.22	38.358		
6,550.00	6,412.60	6,445.60	6,445.60	32.01	223.30	-141.28	-1,136.21	-8,589.34	9,715.71	9,461.88	253.82	38.277		
6,600.00	6,461.82	6,505.18	6,494.82	32.24	225.37	-119.58	-1,136.21	-8,589.34	9,721.55	9,465.43	256.13	37.956		
6,650.00	6,511.25	6,544.25	6,544.25	32.45	226.74	-90.51	-1,136.21	-8,589.34	9,723.55	9,465.85	257.71	37.731		
6,700.00	6,560.58	6,606.42	6,593.58	32.64	228.91	-65.50	-1,136.21	-8,589.34	9,721.69	9,461.62	260.07	37.381		
6,750.00	6,609.51	6,642.51	6,642.51	32.83	230.17	-49.85	-1,136.21	-8,589.34	9,715.98	9,454.47	261.51	37.154		
6,800.00	6,657.74	6,709.26	6,690.74	33.01	232.50	-40.63	-1,136.21	-8,589.34	9,706.46	9,442.47	264.00	36.767		
6,850.00	6,704.97	6,737.97	6,737.97	33.18	233.50	-34.98	-1,136.21	-8,589.34	9,693.19	9,428.05	265.14	36.559		
6,900.00	6,750.90	6,783.90	6,783.90	33.36	235.10	-31.37	-1,136.21	-8,589.34	9,676.26	9,409.39	266.86	36.259		
6,950.00	6,795.26	6,828.26	6,828.26	33.54	236.65	-29.03	-1,136.21	-8,589.34	9,655.76	9,387.25	268.52	35.959		
7,000.00	6,837.77	6,870.77	6,870.77	33.73	238.14	-27.54	-1,136.21	-8,589.34	9,631.84	9,361.74	270.09	35.661		
7,050.00	6,878.17	6,911.17	6,911.17	33.92	239.55	-26.69	-1,136.21	-8,589.34	9,604.63	9,333.05	271.58	35.366		
7,100.00	6,916.21	6,949.21	6,949.21	34.13	240.87	-26.35	-1,136.21	-8,589.34	9,574.30	9,301.33	272.97	35.075		
7,150.00	6,951.66	6,984.66	6,984.66	34.36	242.11	-26.46	-1,136.21	-8,589.34	9,541.05	9,266.79	274.25	34.789		
7,200.00	6,984.29	7,017.29	7,017.29	34.61	243.25	-27.04	-1,136.21	-8,589.34	9,505.07	9,229.64	275.43	34.510		
7,250.00	7,013.91	7,046.91	7,046.91	34.89	244.28	-28.12	-1,136.21	-8,589.34	9,466.59	9,190.10	276.50	34.238		
7,300.00	7,040.34	7,073.34	7,073.34	35.20	245.21	-29.79	-1,136.21	-8,589.34	9,425.86	9,148.42	277.44	33.974		
7,350.00	7,063.40	7,103.60	7,096.40	35.55	246.26	-32.22	-1,136.21	-8,589.34	9,383.11	9,104.59	278.52	33.690		
7,400.00	7,082.97	7,115.97	7,115.97	35.94	246.70	-35.72	-1,136.21	-8,589.34	9,338.61	9,059.65	278.97	33.476		
7,450.00	7,098.91	7,131.91	7,131.91	36.36	247.25	-40.77	-1,136.21	-8,589.34	9,292.64	9,013.10	279.54	33.243		
7,500.00	7,111.13	7,144.13	7,144.13	36.83	247.68	-48.21	-1,136.21	-8,589.34	9,245.48	8,965.50	279.98	33.022		
7,550.00	7,119.55	7,152.55	7,152.55	37.34	247.97	-59.37	-1,136.21	-8,589.34	9,197.41	8,917.12	280.30	32.813		
7,600.00	7,124.13	7,157.13	7,157.13	37.88	248.13	-75.79	-1,136.21	-8,589.34	9,148.74	8,868.26	280.48	32.618		
7,639.68	7,125.00	7,158.00	7,158.00	38.33	248.16	-92.51	-1,136.21	-8,589.34	9,109.88	8,829.34	280.54	32.473		
7,700.00	7,124.48	7,157.48	7,157.48	39.05	248.14	-92.50	-1,136.21	-8,589.34	9,050.74	8,770.18	280.56	32.259		
7,800.00	7,123.60	7,156.60	7,156.60	40.40	248.11	-92.47	-1,136.21	-8,589.34	8,952.73	8,672.12	280.61	31.904		
7,900.00	7,122.72	7,155.72	7,155.72	41.90	248.08	-92.44	-1,136.21	-8,589.34	8,854.77	8,574.09	280.68	31.548		
8,000.00	7,121.84	7,154.84	7,154.84	43.54	248.05	-92.41	-1,136.21	-8,589.34	8,756.85	8,476.10	280.76	31.190		
8,100.00	7,120.97	7,153.97	7,153.97	45.30	248.02	-92.38	-1,136.21	-8,589.34	8,658.99	8,378.13	280.85	30.831		
8,200.00	7,120.09	7,153.09	7,153.09	47.17	247.99	-92.35	-1,136.21	-8,589.34	8,561.17	8,280.20	280.96	30.471		
8,300.00	7,119.21	7,152.21	7,152.21	49.13	247.96	-92.33	-1,136.21	-8,589.34	8,463.40	8,182.30	281.09	30.109		
8,400.00	7,118.33	7,151.33	7,151.33	51.18	247.93	-92.30	-1,136.21	-8,589.34	8,365.68	8,084.44	281.24	29.746		
8,500.00	7,117.46	7,150.46	7,150.46	53.30	247.90	-92.27	-1,136.21	-8,589.34	8,268.02	7,986.61	281.41	29.381		
8,600.00	7,116.58	7,149.58	7,149.58	55.48	247.87	-92.24	-1,136.21	-8,589.34	8,170.41	7,888.82	281.59	29.015		
8,700.00	7,115.70	7,148.70	7,148.70	57.72	247.84	-92.21	-1,136.21	-8,589.34	8,072.87	7,791.07	281.80	28.648		
8,800.00	7,114.82	7,147.82	7,147.82	60.02	247.81	-92.19	-1,136.21	-8,589.34	7,975.38	7,693.35	282.03	28.279		
8,900.00	7,113.95	7,146.95	7,146.95	62.36	247.78	-92.16	-1,136.21	-8,589.34	7,877.96	7,595.68	282.28	27.909		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
9,000.00	7,113.07	7,146.07	7,146.07	64.74	247.75	-92.13	-1,136.21	-8,589.34	7,780.60	7,498.05	282.55	27.537		
9,100.00	7,112.19	7,145.19	7,145.19	67.15	247.72	-92.10	-1,136.21	-8,589.34	7,683.31	7,400.46	282.85	27.164		
9,200.00	7,111.31	7,144.31	7,144.31	69.60	247.68	-92.07	-1,136.21	-8,589.34	7,586.09	7,302.92	283.17	26.790		
9,300.00	7,110.44	7,143.44	7,143.44	72.08	247.65	-92.05	-1,136.21	-8,589.34	7,488.94	7,205.42	283.52	26.414		
9,400.00	7,109.56	7,142.56	7,142.56	74.58	247.62	-92.02	-1,136.21	-8,589.34	7,391.87	7,107.97	283.90	26.037		
9,500.00	7,108.68	7,141.68	7,141.68	77.10	247.59	-91.99	-1,136.21	-8,589.34	7,294.88	7,010.58	284.31	25.659		
9,600.00	7,107.81	7,140.81	7,140.81	79.65	247.56	-91.96	-1,136.21	-8,589.34	7,197.97	6,913.23	284.74	25.279		
9,700.00	7,106.93	7,139.93	7,139.93	82.22	247.53	-91.93	-1,136.21	-8,589.34	7,101.15	6,815.94	285.21	24.898		
9,800.00	7,106.05	7,139.05	7,139.05	84.80	247.50	-91.91	-1,136.21	-8,589.34	7,004.41	6,718.71	285.71	24.516		
9,900.00	7,105.17	7,138.17	7,138.17	87.40	247.47	-91.88	-1,136.21	-8,589.34	6,907.77	6,621.53	286.24	24.133		
10,000.00	7,104.30	7,137.30	7,137.30	90.02	247.44	-91.85	-1,136.21	-8,589.34	6,811.23	6,524.42	286.81	23.748		
10,100.00	7,103.42	7,136.42	7,136.42	92.64	247.41	-91.82	-1,136.21	-8,589.34	6,714.78	6,427.37	287.41	23.363		
10,200.00	7,102.54	7,135.54	7,135.54	95.28	247.38	-91.79	-1,136.21	-8,589.34	6,618.44	6,330.39	288.05	22.977		
10,300.00	7,101.66	7,134.66	7,134.66	97.94	247.35	-91.76	-1,136.21	-8,589.34	6,522.22	6,233.49	288.73	22.589		
10,400.00	7,100.79	7,133.79	7,133.79	100.60	247.32	-91.74	-1,136.21	-8,589.34	6,426.10	6,136.65	289.45	22.201		
10,500.00	7,099.91	7,132.91	7,132.91	103.27	247.29	-91.71	-1,136.21	-8,589.34	6,330.11	6,039.90	290.21	21.812		
10,600.00	7,099.03	7,132.03	7,132.03	105.95	247.26	-91.68	-1,136.21	-8,589.34	6,234.24	5,943.23	291.02	21.422		
10,700.00	7,098.15	7,131.15	7,131.15	108.64	247.23	-91.65	-1,136.21	-8,589.34	6,138.51	5,846.64	291.87	21.032		
10,800.00	7,097.28	7,130.28	7,130.28	111.33	247.19	-91.62	-1,136.21	-8,589.34	6,042.91	5,750.15	292.76	20.641		
10,900.00	7,096.40	7,129.40	7,129.40	114.04	247.16	-91.60	-1,136.21	-8,589.34	5,947.46	5,653.75	293.71	20.249		
11,000.00	7,095.52	7,128.52	7,128.52	116.74	247.13	-91.57	-1,136.21	-8,589.34	5,852.16	5,557.45	294.71	19.858		
11,100.00	7,094.64	7,127.64	7,127.64	119.46	247.10	-91.54	-1,136.21	-8,589.34	5,757.01	5,461.26	295.75	19.466		
11,200.00	7,093.77	7,126.77	7,126.77	122.18	247.07	-91.51	-1,136.21	-8,589.34	5,662.04	5,365.18	296.86	19.073		
11,300.00	7,092.89	7,125.89	7,125.89	124.91	247.04	-91.48	-1,136.21	-8,589.34	5,567.24	5,269.23	298.02	18.681		
11,400.00	7,092.01	7,125.01	7,125.01	127.64	247.01	-91.46	-1,136.21	-8,589.34	5,472.63	5,173.39	299.24	18.289		
11,500.00	7,091.13	7,124.13	7,124.13	130.38	246.98	-91.43	-1,136.21	-8,589.34	5,378.21	5,077.69	300.52	17.897		
11,600.00	7,090.26	7,123.26	7,123.26	133.12	246.95	-91.40	-1,136.21	-8,589.34	5,284.00	4,982.13	301.86	17.505		
11,700.00	7,089.38	7,122.38	7,122.38	135.86	246.92	-91.37	-1,136.21	-8,589.34	5,190.00	4,886.73	303.27	17.113		
11,800.00	7,088.50	7,121.50	7,121.50	138.61	246.89	-91.34	-1,136.21	-8,589.34	5,096.23	4,791.48	304.75	16.722		
11,900.00	7,087.63	7,120.63	7,120.63	141.36	246.86	-91.31	-1,136.21	-8,589.34	5,002.70	4,696.39	306.31	16.332		
12,000.00	7,086.75	7,119.75	7,119.75	144.12	246.83	-91.29	-1,136.21	-8,589.34	4,909.43	4,601.49	307.94	15.943		
12,100.00	7,085.87	7,118.87	7,118.87	146.88	246.80	-91.26	-1,136.21	-8,589.34	4,816.43	4,506.78	309.65	15.554		
12,200.00	7,084.99	7,117.99	7,117.99	149.64	246.77	-91.23	-1,136.21	-8,589.34	4,723.71	4,412.27	311.44	15.167		
12,300.00	7,084.12	7,117.12	7,117.12	152.40	246.74	-91.20	-1,136.21	-8,589.34	4,631.30	4,317.97	313.32	14.781		
12,400.00	7,083.24	7,116.24	7,116.24	155.17	246.70	-91.17	-1,136.21	-8,589.34	4,539.20	4,223.91	315.30	14.397		
12,500.00	7,082.36	7,115.36	7,115.36	157.94	246.67	-91.15	-1,136.21	-8,589.34	4,447.45	4,130.09	317.37	14.014		
12,600.00	7,081.48	7,114.48	7,114.48	160.71	246.64	-91.12	-1,136.21	-8,589.34	4,356.06	4,036.53	319.53	13.633		
12,700.00	7,080.61	7,113.61	7,113.61	163.49	246.61	-91.09	-1,136.21	-8,589.34	4,265.06	3,943.25	321.81	13.253		
12,800.00	7,079.73	7,112.73	7,112.73	166.27	246.58	-91.06	-1,136.21	-8,589.34	4,174.47	3,850.28	324.19	12.877		
12,900.00	7,078.85	7,111.85	7,111.85	169.04	246.55	-91.03	-1,136.21	-8,589.34	4,084.32	3,757.63	326.69	12.502		
13,000.00	7,077.97	7,110.97	7,110.97	171.83	246.52	-91.01	-1,136.21	-8,589.34	3,994.64	3,665.32	329.32	12.130		
13,100.00	7,077.10	7,110.10	7,110.10	174.61	246.49	-90.98	-1,136.21	-8,589.34	3,905.45	3,573.39	332.07	11.761		
13,200.00	7,076.22	7,109.22	7,109.22	177.39	246.46	-90.95	-1,136.21	-8,589.34	3,816.81	3,481.85	334.96	11.395		
13,300.00	7,075.34	7,108.34	7,108.34	180.18	246.43	-90.92	-1,136.21	-8,589.34	3,728.74	3,390.75	337.98	11.032		
13,400.00	7,074.46	7,107.46	7,107.46	182.97	246.40	-90.89	-1,136.21	-8,589.34	3,641.28	3,300.12	341.16	10.673		
13,500.00	7,073.59	7,106.59	7,106.59	185.76	246.37	-90.86	-1,136.21	-8,589.34	3,554.49	3,209.99	344.50	10.318		
13,600.00	7,072.71	7,105.71	7,105.71	188.55	246.34	-90.84	-1,136.21	-8,589.34	3,468.40	3,120.41	348.00	9.967		
13,700.00	7,071.83	7,104.83	7,104.83	191.34	246.31	-90.81	-1,136.21	-8,589.34	3,383.08	3,031.42	351.67	9.620		
13,800.00	7,070.95	7,103.95	7,103.95	194.14	246.28	-90.78	-1,136.21	-8,589.34	3,298.59	2,943.07	355.52	9.278		
13,900.00	7,070.08	7,103.08	7,103.08	196.93	246.25	-90.75	-1,136.21	-8,589.34	3,214.99	2,855.42	359.56	8.941		
14,000.00	7,069.20	7,102.20	7,102.20	199.73	246.21	-90.72	-1,136.21	-8,589.34	3,132.35	2,768.54	363.80	8.610		
14,100.00	7,068.32	7,101.32	7,101.32	202.53	246.18	-90.70	-1,136.21	-8,589.34	3,050.74	2,682.49	368.25	8.284		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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
14,200.00	7,067.45	7,100.45	7,100.45	205.33	246.15	-90.67	-1,136.21	-8,589.34	2,970.26	2,597.35	372.91	7.965	
14,300.00	7,066.57	7,100.43	7,099.57	208.13	246.15	-90.64	-1,136.21	-8,589.34	2,891.00	2,513.17	377.83	7.652	
14,400.00	7,065.69	7,101.31	7,098.69	210.93	246.18	-90.61	-1,136.21	-8,589.34	2,813.06	2,430.06	383.00	7.345	
14,500.00	7,064.81	7,102.19	7,097.81	213.73	246.21	-90.58	-1,136.21	-8,589.34	2,736.56	2,348.14	388.42	7.045	
14,600.00	7,063.94	7,103.06	7,096.94	216.54	246.24	-90.56	-1,136.21	-8,589.34	2,661.61	2,267.55	394.07	6.754	
14,700.00	7,063.06	7,103.94	7,096.06	219.34	246.28	-90.53	-1,136.21	-8,589.34	2,588.36	2,188.40	399.96	6.472	
14,800.00	7,062.18	7,104.82	7,095.18	222.15	246.31	-90.50	-1,136.21	-8,589.34	2,516.95	2,110.86	406.09	6.198	
14,900.00	7,061.30	7,105.70	7,094.30	224.95	246.34	-90.47	-1,136.21	-8,589.34	2,447.54	2,035.08	412.46	5.934	
15,000.00	7,060.43	7,106.57	7,093.43	227.76	246.37	-90.44	-1,136.21	-8,589.34	2,380.31	1,961.25	419.06	5.680	
15,100.00	7,059.55	7,107.45	7,092.55	230.57	246.40	-90.41	-1,136.21	-8,589.34	2,315.45	1,889.57	425.88	5.437	
15,200.00	7,058.67	7,108.33	7,091.67	233.38	246.43	-90.39	-1,136.21	-8,589.34	2,253.16	1,820.28	432.89	5.205	
15,300.00	7,057.79	7,109.21	7,090.79	236.19	246.46	-90.36	-1,136.21	-8,589.34	2,193.66	1,753.60	440.06	4.985	
15,400.00	7,056.92	7,089.92	7,089.92	239.00	245.79	-90.33	-1,136.21	-8,589.34	2,137.19	1,690.52	446.67	4.785	
15,500.00	7,056.04	7,089.04	7,089.04	241.81	245.76	-90.30	-1,136.21	-8,589.34	2,083.98	1,629.99	454.00	4.590	
15,600.00	7,055.16	7,088.16	7,088.16	244.62	245.72	-90.27	-1,136.21	-8,589.34	2,034.31	1,572.95	461.36	4.409	
15,700.00	7,054.28	7,087.28	7,087.28	247.43	245.69	-90.25	-1,136.21	-8,589.34	1,988.42	1,519.74	468.68	4.243	
15,800.00	7,053.41	7,086.41	7,086.41	250.25	245.66	-90.22	-1,136.21	-8,589.34	1,946.59	1,470.71	475.88	4.091	
15,846.35	7,053.00	7,086.00	7,086.00	251.55	245.65	-90.20	-1,136.21	-8,589.34	1,928.66	1,449.50	479.16	4.025 CC, ES, SF	

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-104.14	-1,373.90	-5,455.04	5,625.39					
100.00	100.00	64.00	64.00	3.28	3.28	-104.13	-1,373.76	-5,455.31	5,625.76	5,619.19	6.57	856.553		
200.00	200.00	155.75	155.75	3.34	3.31	-104.13	-1,373.21	-5,456.35	5,626.70	5,620.05	6.65	846.208		
300.00	299.98	264.59	264.58	3.44	3.41	-148.63	-1,372.71	-5,457.27	5,628.89	5,622.04	6.85	821.416		
400.00	399.84	382.74	382.72	3.61	3.58	-148.60	-1,372.18	-5,458.13	5,633.97	5,626.79	7.18	784.418		
500.00	499.45	492.04	492.02	3.81	3.79	-148.56	-1,371.62	-5,458.57	5,641.68	5,634.08	7.60	742.429		
600.00	598.70	610.12	610.09	4.06	4.07	-148.52	-1,370.81	-5,458.83	5,652.14	5,644.02	8.12	696.010		
700.00	697.47	714.08	714.05	4.35	4.35	-148.46	-1,369.77	-5,458.89	5,665.33	5,656.65	8.68	652.750		
800.00	795.62	801.23	801.20	4.66	4.60	-148.37	-1,368.89	-5,459.00	5,681.54	5,672.30	9.24	614.639		
817.50	812.73	817.35	817.32	4.73	4.65	-148.35	-1,368.73	-5,459.04	5,684.70	5,675.35	9.35	607.775		
900.00	893.32	893.32	893.28	5.01	4.88	-148.43	-1,367.90	-5,459.28	5,699.85	5,689.99	9.86	577.925		
1,000.00	991.01	1,004.29	1,004.22	5.38	5.25	-148.53	-1,365.29	-5,459.92	5,718.16	5,707.59	10.58	540.548		
1,100.00	1,088.69	1,057.42	1,057.28	5.77	5.44	-148.56	-1,362.81	-5,460.71	5,736.77	5,725.63	11.14	515.161		
1,200.00	1,186.38	1,118.99	1,118.68	6.18	5.67	-148.58	-1,358.65	-5,462.44	5,756.10	5,744.35	11.75	489.963		
1,300.00	1,284.06	1,202.07	1,201.32	6.60	6.02	-148.59	-1,350.76	-5,465.69	5,775.83	5,763.34	12.49	462.555		
1,400.00	1,381.75	1,314.85	1,312.91	7.03	6.57	-148.56	-1,335.52	-5,471.34	5,795.60	5,782.16	13.44	431.104		
1,500.00	1,479.44	1,472.04	1,467.19	7.47	7.47	-148.43	-1,306.76	-5,479.97	5,814.62	5,799.85	14.77	393.749		
1,600.00	1,577.12	1,730.33	1,716.72	7.91	9.29	-148.05	-1,241.87	-5,494.04	5,832.12	5,815.10	17.02	342.613		
1,700.00	1,674.81	1,850.32	1,830.28	8.37	10.29	-147.80	-1,203.64	-5,500.05	5,847.40	5,828.95	18.45	316.847		
1,800.00	1,772.49	1,900.00	1,876.90	8.82	10.73	-147.68	-1,186.75	-5,503.10	5,863.45	5,844.13	19.32	303.467		
1,900.00	1,870.18	1,963.38	1,936.11	9.28	11.33	-147.53	-1,164.58	-5,507.59	5,880.23	5,859.88	20.35	289.023		
2,000.00	1,967.87	2,041.10	2,008.29	9.75	12.08	-147.33	-1,136.45	-5,513.79	5,897.64	5,876.11	21.53	273.938		
2,100.00	2,065.55	2,131.99	2,092.20	10.22	12.97	-147.08	-1,102.32	-5,521.33	5,915.17	5,892.30	22.87	258.655		
2,200.00	2,163.24	2,204.53	2,159.13	10.69	13.70	-146.89	-1,075.07	-5,527.58	5,933.12	5,909.09	24.03	246.918		
2,300.00	2,260.92	2,302.76	2,250.00	11.16	14.64	-146.63	-1,038.73	-5,536.06	5,951.32	5,925.90	25.42	234.120		
2,400.00	2,358.61	2,375.44	2,317.32	11.64	15.32	-146.44	-1,012.10	-5,542.39	5,969.79	5,943.25	26.54	224.898		
2,500.00	2,456.30	2,465.01	2,400.31	12.12	16.16	-146.21	-979.35	-5,550.43	5,988.63	5,960.81	27.83	215.209		
2,600.00	2,553.98	2,616.09	2,540.21	12.59	17.56	-145.82	-923.83	-5,563.37	6,007.18	5,977.49	29.70	202.292		
2,700.00	2,651.67	2,695.26	2,613.23	13.08	18.30	-145.61	-893.97	-5,570.01	6,025.48	5,994.59	30.89	195.064		
2,800.00	2,749.35	2,752.55	2,666.04	13.56	18.85	-145.46	-872.33	-5,575.06	6,044.30	6,012.43	31.87	189.644		
2,900.00	2,847.04	2,830.84	2,738.34	14.04	19.58	-145.26	-843.21	-5,582.40	6,063.81	6,030.76	33.06	183.445		
3,000.00	2,944.72	3,006.95	2,901.11	14.52	21.20	-144.81	-777.70	-5,597.53	6,082.71	6,047.55	35.16	173.004		
3,100.00	3,042.41	3,094.77	2,982.68	15.01	21.96	-144.60	-745.90	-5,604.42	6,101.23	6,064.86	36.37	167.744		
3,200.00	3,140.10	3,148.37	3,032.67	15.50	22.41	-144.47	-727.03	-5,608.72	6,120.19	6,082.92	37.26	164.241		
3,300.00	3,237.78	3,200.00	3,080.85	15.98	22.85	-144.35	-709.05	-5,613.20	6,139.92	6,101.79	38.13	161.012		
3,400.00	3,335.47	3,424.60	3,289.57	16.47	24.78	-143.82	-628.22	-5,631.73	6,159.24	6,118.66	40.58	151.787		
3,500.00	3,433.15	3,500.00	3,359.57	16.96	25.42	-143.64	-600.76	-5,637.26	6,177.63	6,135.96	41.67	148.246		
3,600.00	3,530.84	3,534.19	3,391.32	17.45	25.72	-143.56	-588.37	-5,639.98	6,196.76	6,154.36	42.40	146.145		
3,700.00	3,628.53	3,567.60	3,422.33	17.94	26.02	-143.48	-576.29	-5,642.98	6,216.92	6,173.80	43.12	144.181		
3,800.00	3,726.21	3,701.67	3,546.50	18.43	27.22	-143.16	-527.45	-5,656.04	6,238.08	6,193.29	44.80	139.252		
3,900.00	3,823.90	3,860.22	3,692.66	18.92	28.67	-142.77	-467.47	-5,669.42	6,257.63	6,210.90	46.73	133.902		
4,000.00	3,921.58	3,979.00	3,801.76	19.41	29.77	-142.47	-421.50	-5,678.92	6,276.84	6,228.54	48.30	129.956		
4,100.00	4,019.27	4,049.21	3,866.21	19.90	30.42	-142.29	-394.19	-5,684.48	6,296.08	6,246.68	49.40	127.453		
4,200.00	4,116.96	4,112.70	3,924.46	20.39	31.01	-142.13	-369.52	-5,689.87	6,315.94	6,265.51	50.43	125.242		
4,300.00	4,214.64	4,203.51	4,008.16	20.88	31.84	-141.91	-335.18	-5,697.66	6,336.13	6,284.42	51.71	122.523		
4,400.00	4,312.33	4,285.10	4,083.61	21.37	32.56	-141.72	-304.91	-5,704.69	6,356.56	6,303.67	52.88	120.198		
4,500.00	4,410.01	4,416.94	4,205.51	21.87	33.73	-141.41	-255.95	-5,715.81	6,376.89	6,322.37	54.53	116.952		
4,600.00	4,507.70	4,499.87	4,282.20	22.36	34.46	-141.22	-225.14	-5,722.64	6,397.14	6,341.44	55.70	114.847		
4,700.00	4,605.39	4,566.49	4,343.76	22.85	35.05	-141.07	-200.30	-5,728.34	6,417.78	6,361.04	56.73	113.123		
4,800.00	4,703.07	4,654.54	4,425.07	23.35	35.83	-140.86	-167.45	-5,736.21	6,438.85	6,380.88	57.96	111.085		
4,900.00	4,800.76	4,741.92	4,506.08	23.84	36.60	-140.67	-135.63	-5,743.87	6,459.96	6,400.79	59.17	109.171		
5,000.00	4,898.44	4,820.29	4,578.89	24.33	37.27	-140.50	-107.51	-5,750.94	6,481.45	6,421.16	60.29	107.506		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,954.90	4,703.37	24.83	38.47	-140.20	-57.76	-5,763.07	6,502.94	6,440.98	61.96	104.952		
5,200.00	5,093.82	5,046.99	4,788.31	25.32	39.29	-139.99	-23.03	-5,770.89	6,523.94	6,460.70	63.24	103.167		
5,300.00	5,191.50	5,112.78	4,849.05	25.82	39.88	-139.84	1.57	-5,776.78	6,545.47	6,481.22	64.25	101.867		
5,400.00	5,289.19	5,218.53	4,946.90	26.31	40.82	-139.61	40.50	-5,786.30	6,567.20	6,501.56	65.65	100.039		
5,500.00	5,386.87	5,322.81	5,043.55	26.81	41.72	-139.39	78.60	-5,795.40	6,588.78	6,521.77	67.01	98.324		
5,600.00	5,484.56	5,393.57	5,109.00	27.30	42.35	-139.24	104.74	-5,801.73	6,610.62	6,542.55	68.06	97.124		
5,700.00	5,582.25	5,526.55	5,231.62	27.80	43.54	-138.94	154.83	-5,813.41	6,632.29	6,562.56	69.73	95.109		
5,800.00	5,679.93	5,800.00	5,345.84	28.29	45.89	-138.68	200.07	-5,823.88	6,653.94	6,581.39	72.55	91.717		
5,900.00	5,777.62	5,772.25	5,459.38	28.79	45.63	-138.43	244.82	-5,833.32	6,674.84	6,602.08	72.77	91.730		
6,000.00	5,875.30	5,935.38	5,612.71	29.28	46.83	-138.14	299.24	-5,844.89	6,695.57	6,621.10	74.47	89.912		
6,100.00	5,972.99	6,141.41	5,810.55	29.78	47.98	-137.90	355.61	-5,855.12	6,714.31	6,638.15	76.16	88.162		
6,200.00	6,070.67	6,200.00	5,867.43	30.27	48.26	-137.85	369.43	-5,857.81	6,733.17	6,656.29	76.88	87.581		
6,300.00	6,168.36	6,290.84	5,956.19	30.77	48.65	-137.79	388.21	-5,862.11	6,752.43	6,674.70	77.73	86.873		
6,400.00	6,266.05	6,412.36	6,075.79	31.26	49.10	-137.76	409.15	-5,867.23	6,771.41	6,692.74	78.67	86.076		
6,500.00	6,363.73	6,486.59	6,149.14	31.76	49.35	-137.76	420.10	-5,870.27	6,790.44	6,711.06	79.37	85.551		
6,534.50	6,397.43	6,511.44	6,173.75	31.93	49.43	-137.76	423.32	-5,871.31	6,797.08	6,717.47	79.61	85.381		
6,550.00	6,412.60	6,522.26	6,184.48	32.01	49.46	-132.95	424.66	-5,871.78	6,799.90	6,720.19	79.71	85.307		
6,600.00	6,461.82	6,825.56	6,486.53	32.24	50.29	-111.44	450.16	-5,879.13	6,806.35	6,725.41	80.93	84.098		
6,650.00	6,511.25	6,868.52	6,529.43	32.45	50.40	-82.39	452.29	-5,879.17	6,807.17	6,725.92	81.25	83.778		
6,700.00	6,560.58	6,909.94	6,570.82	32.64	50.50	-57.35	453.89	-5,879.22	6,804.12	6,722.57	81.55	83.437		
6,750.00	6,609.51	6,947.20	6,608.06	32.83	50.59	-41.63	455.01	-5,879.30	6,797.26	6,715.44	81.81	83.084		
6,800.00	6,657.74	6,983.88	6,644.73	33.01	50.68	-32.27	455.84	-5,879.42	6,786.62	6,704.56	82.06	82.708		
6,850.00	6,704.97	7,026.66	6,687.51	33.18	50.78	-26.44	456.52	-5,879.61	6,772.26	6,689.96	82.30	82.288		
6,900.00	6,750.90	7,073.72	6,734.56	33.36	50.89	-22.60	457.18	-5,879.80	6,754.20	6,671.65	82.54	81.829		
6,950.00	6,795.26	7,117.94	6,778.78	33.54	51.00	-19.94	457.75	-5,879.98	6,732.54	6,649.78	82.76	81.353		
7,000.00	6,837.77	7,158.74	6,819.57	33.73	51.10	-18.06	458.28	-5,880.15	6,707.43	6,624.48	82.95	80.862		
7,050.00	6,878.17	7,197.55	6,858.38	33.92	51.19	-16.71	458.81	-5,880.32	6,679.03	6,595.91	83.12	80.353		
7,100.00	6,916.21	7,236.95	6,897.77	34.13	51.29	-15.76	459.38	-5,880.51	6,647.50	6,564.22	83.28	79.819		
7,150.00	6,951.66	7,273.86	6,934.68	34.36	51.38	-15.13	459.93	-5,880.67	6,613.03	6,529.61	83.42	79.269		
7,200.00	6,984.29	7,307.86	6,968.68	34.61	51.47	-14.76	460.47	-5,880.82	6,575.83	6,492.29	83.55	78.708		
7,250.00	7,013.91	7,324.91	6,985.73	34.89	51.51	-14.61	460.73	-5,880.92	6,536.17	6,452.56	83.61	78.174		
7,300.00	7,040.34	7,342.73	7,003.55	35.20	51.55	-14.73	460.99	-5,881.04	6,494.30	6,410.63	83.67	77.619		
7,350.00	7,063.40	7,350.00	7,010.81	35.55	51.57	-15.12	461.10	-5,881.10	6,450.46	6,366.77	83.69	77.077		
7,400.00	7,082.97	7,350.00	7,010.81	35.94	51.57	-15.89	461.10	-5,881.10	6,404.94	6,321.26	83.68	76.539		
7,450.00	7,098.91	7,350.00	7,010.81	36.36	51.57	-17.26	461.10	-5,881.10	6,358.00	6,274.33	83.67	75.988		
7,500.00	7,111.13	7,350.00	7,010.81	36.83	51.57	-19.77	461.10	-5,881.10	6,309.91	6,226.24	83.66	75.422		
7,550.00	7,119.55	7,350.00	7,010.81	37.34	51.57	-24.87	461.10	-5,881.10	6,260.92	6,177.27	83.65	74.845		
7,600.00	7,124.13	7,350.00	7,010.81	37.88	51.57	-38.62	461.10	-5,881.10	6,211.34	6,127.69	83.65	74.256		
7,639.68	7,125.00	7,350.00	7,010.81	38.33	51.57	-77.86	461.10	-5,881.10	6,171.75	6,088.10	83.65	73.783		
7,700.00	7,124.48	7,350.00	7,010.81	39.05	51.57	-77.86	461.10	-5,881.10	6,111.51	6,027.85	83.65	73.059		
7,800.00	7,123.60	7,350.00	7,010.81	40.40	51.57	-77.86	461.10	-5,881.10	6,011.63	5,927.97	83.66	71.859		
7,900.00	7,122.72	7,350.00	7,010.81	41.90	51.57	-77.86	461.10	-5,881.10	5,911.76	5,828.10	83.67	70.658		
8,000.00	7,121.84	7,350.00	7,010.81	43.54	51.57	-77.86	461.10	-5,881.10	5,811.90	5,728.22	83.68	69.455		
8,100.00	7,120.97	7,350.00	7,010.81	45.30	51.57	-77.86	461.10	-5,881.10	5,712.04	5,628.35	83.69	68.251		
8,200.00	7,120.09	7,350.00	7,010.81	47.17	51.57	-77.86	461.10	-5,881.10	5,612.18	5,528.48	83.71	67.045		
8,300.00	7,119.21	7,350.00	7,010.81	49.13	51.57	-77.86	461.10	-5,881.10	5,512.33	5,428.61	83.73	65.838		
8,400.00	7,118.33	7,350.00	7,010.81	51.18	51.57	-77.86	461.10	-5,881.10	5,412.49	5,328.74	83.75	64.629		
8,500.00	7,117.46	7,350.00	7,010.81	53.30	51.57	-77.86	461.10	-5,881.10	5,312.65	5,228.88	83.77	63.419		
8,600.00	7,116.58	7,350.00	7,010.81	55.48	51.57	-77.86	461.10	-5,881.10	5,212.82	5,129.02	83.80	62.208		
8,700.00	7,115.70	7,350.00	7,010.81	57.72	51.57	-77.86	461.10	-5,881.10	5,112.99	5,029.17	83.83	60.995		
8,800.00	7,114.82	7,350.00	7,010.81	60.02	51.57	-77.86	461.10	-5,881.10	5,013.18	4,929.32	83.86	59.781		
8,900.00	7,113.95	7,350.00	7,010.81	62.36	51.57	-77.86	461.10	-5,881.10	4,913.36	4,829.47	83.89	58.566		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.07	7,350.00	7,010.81	64.74	51.57	-77.86	461.10	-5,881.10	4,813.56	4,729.63	83.93	57.349		
9,100.00	7,112.19	7,350.00	7,010.81	67.15	51.57	-77.86	461.10	-5,881.10	4,713.77	4,629.79	83.98	56.131		
9,200.00	7,111.31	7,350.00	7,010.81	69.60	51.57	-77.86	461.10	-5,881.10	4,613.98	4,529.95	84.03	54.911		
9,300.00	7,110.44	7,350.00	7,010.81	72.08	51.57	-77.86	461.10	-5,881.10	4,514.20	4,430.13	84.08	53.690		
9,400.00	7,109.56	7,350.00	7,010.81	74.58	51.57	-77.86	461.10	-5,881.10	4,414.44	4,330.30	84.14	52.468		
9,500.00	7,108.68	7,350.00	7,010.81	77.10	51.57	-77.86	461.10	-5,881.10	4,314.68	4,230.48	84.20	51.244		
9,600.00	7,107.81	7,350.00	7,010.81	79.65	51.57	-77.86	461.10	-5,881.10	4,214.94	4,130.67	84.27	50.018		
9,700.00	7,106.93	7,350.00	7,010.81	82.22	51.57	-77.86	461.10	-5,881.10	4,115.21	4,030.86	84.34	48.791		
9,800.00	7,106.05	7,350.00	7,010.81	84.80	51.57	-77.86	461.10	-5,881.10	4,015.49	3,931.06	84.43	47.563		
9,900.00	7,105.17	7,350.00	7,010.81	87.40	51.57	-77.86	461.10	-5,881.10	3,915.78	3,831.27	84.51	46.333		
10,000.00	7,104.30	7,350.00	7,010.81	90.02	51.57	-77.86	461.10	-5,881.10	3,816.10	3,731.48	84.61	45.101		
10,100.00	7,103.42	7,350.00	7,010.81	92.64	51.57	-77.86	461.10	-5,881.10	3,716.42	3,631.70	84.72	43.867		
10,200.00	7,102.54	7,350.00	7,010.81	95.28	51.57	-77.86	461.10	-5,881.10	3,616.77	3,531.93	84.84	42.632		
10,300.00	7,101.66	7,350.00	7,010.81	97.94	51.57	-77.86	461.10	-5,881.10	3,517.14	3,432.17	84.97	41.395		
10,400.00	7,100.79	7,350.00	7,010.81	100.60	51.57	-77.86	461.10	-5,881.10	3,417.52	3,332.42	85.11	40.155		
10,500.00	7,099.91	7,350.00	7,010.81	103.27	51.57	-77.86	461.10	-5,881.10	3,317.94	3,232.67	85.26	38.914		
10,600.00	7,099.03	7,350.00	7,010.81	105.95	51.57	-77.86	461.10	-5,881.10	3,218.37	3,132.94	85.43	37.670		
10,700.00	7,098.15	7,350.00	7,010.81	108.64	51.57	-77.86	461.10	-5,881.10	3,118.84	3,033.21	85.62	36.425		
10,800.00	7,097.28	7,350.00	7,010.81	111.33	51.57	-77.86	461.10	-5,881.10	3,019.33	2,933.50	85.83	35.176		
10,900.00	7,096.40	7,350.00	7,010.81	114.04	51.57	-77.86	461.10	-5,881.10	2,919.86	2,833.79	86.07	33.925		
11,000.00	7,095.52	7,350.00	7,010.81	116.74	51.57	-77.86	461.10	-5,881.10	2,820.43	2,734.10	86.33	32.672		
11,100.00	7,094.64	7,350.00	7,010.81	119.46	51.57	-77.86	461.10	-5,881.10	2,721.03	2,634.42	86.61	31.415		
11,200.00	7,093.77	7,350.00	7,010.81	122.18	51.57	-77.86	461.10	-5,881.10	2,621.69	2,534.75	86.94	30.156		
11,300.00	7,092.89	7,350.00	7,010.81	124.91	51.57	-77.86	461.10	-5,881.10	2,522.39	2,435.09	87.30	28.893		
11,400.00	7,092.01	7,350.00	7,010.81	127.64	51.57	-77.86	461.10	-5,881.10	2,423.16	2,335.45	87.71	27.627		
11,500.00	7,091.13	7,350.00	7,010.81	130.38	51.57	-77.86	461.10	-5,881.10	2,323.98	2,235.81	88.17	26.357		
11,600.00	7,090.26	7,350.00	7,010.81	133.12	51.57	-77.86	461.10	-5,881.10	2,224.89	2,136.19	88.70	25.084		
11,700.00	7,089.38	7,350.00	7,010.81	135.86	51.57	-77.86	461.10	-5,881.10	2,125.88	2,036.58	89.29	23.808		
11,800.00	7,088.50	7,350.00	7,010.81	138.61	51.57	-77.86	461.10	-5,881.10	2,026.96	1,936.98	89.98	22.528		
11,900.00	7,087.63	7,350.00	7,010.81	141.36	51.57	-77.86	461.10	-5,881.10	1,928.16	1,837.40	90.76	21.244		
12,000.00	7,086.75	7,350.00	7,010.81	144.12	51.57	-77.86	461.10	-5,881.10	1,829.48	1,737.82	91.67	19.958		
12,100.00	7,085.87	7,350.00	7,010.81	146.88	51.57	-77.86	461.10	-5,881.10	1,730.96	1,638.24	92.72	18.669		
12,200.00	7,084.99	7,350.00	7,010.81	149.64	51.57	-77.86	461.10	-5,881.10	1,632.62	1,538.67	93.95	17.378		
12,300.00	7,084.12	7,350.00	7,010.81	152.40	51.57	-77.86	461.10	-5,881.10	1,534.49	1,439.11	95.39	16.087		
12,400.00	7,083.24	7,350.00	7,010.81	155.17	51.57	-77.86	461.10	-5,881.10	1,436.63	1,339.53	97.09	14.797		
12,500.00	7,082.36	7,350.00	7,010.81	157.94	51.57	-77.86	461.10	-5,881.10	1,339.07	1,239.96	99.12	13.510		
12,600.00	7,081.48	7,350.00	7,010.81	160.71	51.57	-77.86	461.10	-5,881.10	1,241.91	1,140.37	101.54	12.230		
12,700.00	7,080.61	7,350.00	7,010.81	163.49	51.57	-77.86	461.10	-5,881.10	1,145.23	1,040.76	104.47	10.962		
12,800.00	7,079.73	7,350.00	7,010.81	166.27	51.57	-77.86	461.10	-5,881.10	1,049.18	941.14	108.04	9.711		
12,900.00	7,078.85	7,350.00	7,010.81	169.04	51.57	-77.86	461.10	-5,881.10	953.94	841.52	112.42	8.485		
13,000.00	7,077.97	7,350.00	7,010.81	171.83	51.57	-77.86	461.10	-5,881.10	859.78	741.91	117.87	7.294		
13,100.00	7,077.10	7,350.00	7,010.81	174.61	51.57	-77.86	461.10	-5,881.10	767.10	642.40	124.70	6.152		
13,200.00	7,076.22	7,350.00	7,010.81	177.39	51.57	-77.86	461.10	-5,881.10	676.51	543.16	133.35	5.073		
13,300.00	7,075.34	7,350.00	7,010.81	180.18	51.57	-77.86	461.10	-5,881.10	588.97	444.58	144.39	4.079		
13,400.00	7,074.46	7,350.00	7,010.81	182.97	51.57	-77.86	461.10	-5,881.10	506.07	347.64	158.43	3.194		
13,500.00	7,073.59	7,350.00	7,010.81	185.76	51.57	-77.86	461.10	-5,881.10	430.50	254.64	175.86	2.448		
13,600.00	7,072.71	7,350.00	7,010.81	188.55	51.57	-77.86	461.10	-5,881.10	366.81	171.14	195.67	1.875		
13,700.00	7,071.83	7,350.00	7,010.81	191.34	51.57	-77.86	461.10	-5,881.10	322.13	108.72	213.41	1.509		
13,800.00	7,070.95	7,350.00	7,010.81	194.14	51.57	-77.86	461.10	-5,881.10	304.95	83.88	221.06	1.379 Level 3		
13,803.89	7,070.92	7,350.00	7,010.81	194.25	51.57	-77.86	461.10	-5,881.10	304.92	83.85	221.07	1.379 Level 3, CC, ES, SF		
13,900.00	7,070.08	7,350.00	7,010.81	196.93	51.57	-77.86	461.10	-5,881.10	319.71	104.68	215.03	1.487 Level 3		
14,000.00	7,069.20	7,350.00	7,010.81	199.73	51.57	-77.86	461.10	-5,881.10	362.54	162.46	200.08	1.812		

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 32C-6-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 32C-6-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	7,068.32	7,350.00	7,010.81	202.53	51.57	-77.86	461.10	-5,881.10	425.04	242.17	182.87	2.324		
14,200.00	7,067.45	7,350.00	7,010.81	205.33	51.57	-77.86	461.10	-5,881.10	499.88	332.54	167.34	2.987		
14,300.00	7,066.57	7,350.00	7,010.81	208.13	51.57	-77.86	461.10	-5,881.10	582.32	427.75	154.57	3.767		
14,400.00	7,065.69	7,350.00	7,010.81	210.93	51.57	-77.86	461.10	-5,881.10	669.57	525.18	144.39	4.637		
14,500.00	7,064.81	7,350.00	7,010.81	213.73	51.57	-77.86	461.10	-5,881.10	759.96	623.67	136.29	5.576		
14,600.00	7,063.94	7,350.00	7,010.81	216.54	51.57	-77.86	461.10	-5,881.10	852.50	722.69	129.81	6.567		
14,700.00	7,063.06	7,350.00	7,010.81	219.34	51.57	-77.86	461.10	-5,881.10	946.56	821.99	124.58	7.598		
14,800.00	7,062.18	7,350.00	7,010.81	222.15	51.57	-77.86	461.10	-5,881.10	1,041.73	921.43	120.30	8.660		
14,900.00	7,061.30	7,350.00	7,010.81	224.95	51.57	-77.86	461.10	-5,881.10	1,137.73	1,020.97	116.76	9.744		
15,000.00	7,060.43	7,350.00	7,010.81	227.76	51.57	-77.86	461.10	-5,881.10	1,234.36	1,120.55	113.81	10.846		
15,100.00	7,059.55	7,350.00	7,010.81	230.57	51.57	-77.86	461.10	-5,881.10	1,331.49	1,220.17	111.32	11.960		
15,200.00	7,058.67	7,350.00	7,010.81	233.38	51.57	-77.86	461.10	-5,881.10	1,429.02	1,319.80	109.21	13.085		
15,300.00	7,057.79	7,350.00	7,010.81	236.19	51.57	-77.86	461.10	-5,881.10	1,526.86	1,419.46	107.41	14.216		
15,400.00	7,056.92	7,350.00	7,010.81	239.00	51.57	-77.86	461.10	-5,881.10	1,624.97	1,519.12	105.85	15.352		
15,500.00	7,056.04	7,350.00	7,010.81	241.81	51.57	-77.86	461.10	-5,881.10	1,723.30	1,618.80	104.50	16.491		
15,600.00	7,055.16	7,350.00	7,010.81	244.62	51.57	-77.86	461.10	-5,881.10	1,821.80	1,718.48	103.33	17.632		
15,700.00	7,054.28	7,350.00	7,010.81	247.43	51.57	-77.86	461.10	-5,881.10	1,920.47	1,818.17	102.30	18.773		
15,800.00	7,053.41	7,350.00	7,010.81	250.25	51.57	-77.86	461.10	-5,881.10	2,019.26	1,917.87	101.39	19.915		
15,846.35	7,053.00	7,350.00	7,010.81	251.55	51.57	-77.86	461.10	-5,881.10	2,065.09	1,964.08	101.01	20.444		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-104.21	-1,381.18	-5,455.04	5,627.18					
100.00	100.00	53.53	53.53	3.28	3.28	-104.21	-1,381.01	-5,455.33	5,627.64	5,621.07	6.57	856.919		
200.00	200.00	109.50	109.49	3.34	3.29	-104.20	-1,380.46	-5,456.25	5,628.97	5,622.34	6.63	849.049		
300.00	299.98	207.69	207.65	3.44	3.36	-148.67	-1,379.00	-5,458.34	5,632.15	5,625.35	6.80	828.116		
400.00	399.84	311.78	311.70	3.61	3.48	-148.62	-1,377.55	-5,460.53	5,638.32	5,631.24	7.08	796.044		
500.00	499.45	442.60	442.49	3.81	3.71	-148.57	-1,375.79	-5,462.74	5,647.06	5,639.55	7.51	751.828		
600.00	598.70	544.23	544.09	4.06	3.93	-148.49	-1,374.01	-5,464.25	5,658.48	5,650.50	7.98	709.205		
700.00	697.47	635.98	635.81	4.35	4.16	-148.39	-1,371.97	-5,465.82	5,672.96	5,664.47	8.49	668.176		
800.00	795.62	746.67	746.45	4.66	4.47	-148.29	-1,369.59	-5,467.72	5,690.41	5,681.30	9.11	624.621		
817.50	812.73	772.14	771.91	4.73	4.54	-148.28	-1,368.99	-5,468.10	5,693.72	5,684.47	9.25	615.782		
900.00	893.32	838.81	838.56	5.01	4.75	-148.33	-1,367.21	-5,469.10	5,709.48	5,699.76	9.72	587.160		
1,000.00	991.01	900.00	899.70	5.38	4.94	-148.38	-1,365.24	-5,470.46	5,729.14	5,718.87	10.27	557.938		
1,100.00	1,088.69	1,013.70	1,013.30	5.77	5.33	-148.46	-1,361.39	-5,473.25	5,748.98	5,737.96	11.02	521.794		
1,200.00	1,186.38	1,101.37	1,100.89	6.18	5.63	-148.53	-1,358.54	-5,475.35	5,768.81	5,757.10	11.70	492.952		
1,300.00	1,284.06	1,219.42	1,218.86	6.60	6.05	-148.62	-1,354.82	-5,478.00	5,788.53	5,776.01	12.52	462.365		
1,400.00	1,381.75	1,279.53	1,278.92	7.03	6.27	-148.67	-1,353.11	-5,479.48	5,808.49	5,795.35	13.14	442.157		
1,500.00	1,479.44	1,384.58	1,383.91	7.47	6.66	-148.75	-1,350.31	-5,482.25	5,828.72	5,814.78	13.94	418.220		
1,600.00	1,577.12	1,488.86	1,488.12	7.91	7.06	-148.83	-1,347.50	-5,484.76	5,848.74	5,833.99	14.75	396.573		
1,700.00	1,674.81	1,619.73	1,618.91	8.37	7.56	-148.94	-1,344.03	-5,487.49	5,868.48	5,852.80	15.68	374.321		
1,800.00	1,772.49	1,700.00	1,699.14	8.82	7.87	-149.00	-1,342.00	-5,488.94	5,888.01	5,871.59	16.41	358.730		
1,900.00	1,870.18	1,748.66	1,747.77	9.28	8.06	-149.04	-1,340.78	-5,490.08	5,908.10	5,891.07	17.03	347.004		
2,000.00	1,967.87	1,800.00	1,799.06	9.75	8.26	-149.08	-1,339.42	-5,491.89	5,929.14	5,911.49	17.65	335.896		
2,100.00	2,065.55	1,800.00	1,799.06	10.22	8.26	-149.08	-1,339.42	-5,491.89	5,951.28	5,933.22	18.06	329.505		
2,200.00	2,163.24	1,861.71	1,860.63	10.69	8.52	-149.12	-1,337.13	-5,495.21	5,974.11	5,955.38	18.74	318.806		
2,300.00	2,260.92	1,900.00	1,898.77	11.16	8.68	-149.13	-1,335.08	-5,498.05	5,998.14	5,978.83	19.31	310.563		
2,400.00	2,358.61	2,074.14	2,072.07	11.64	9.44	-149.18	-1,324.43	-5,511.27	6,022.39	6,001.86	20.53	293.407		
2,500.00	2,456.30	2,164.42	2,161.84	12.12	9.84	-149.19	-1,317.18	-5,517.68	6,045.52	6,024.15	21.36	282.983		
2,600.00	2,553.98	2,223.24	2,220.25	12.59	10.11	-149.20	-1,312.08	-5,522.25	6,069.12	6,047.07	22.06	275.178		
2,700.00	2,651.67	2,270.94	2,267.60	13.08	10.33	-149.20	-1,307.98	-5,526.34	6,093.47	6,070.78	22.69	268.515		
2,800.00	2,749.35	2,324.35	2,320.57	13.56	10.58	-149.20	-1,303.41	-5,531.36	6,118.59	6,095.22	23.36	261.916		
2,900.00	2,847.04	2,386.85	2,382.47	14.04	10.88	-149.20	-1,297.57	-5,537.74	6,144.28	6,120.21	24.08	255.188		
3,000.00	2,944.72	2,556.17	2,549.95	14.52	11.71	-149.16	-1,279.47	-5,554.90	6,169.48	6,144.11	25.37	243.170		
3,100.00	3,042.41	2,635.99	2,628.66	15.01	12.11	-149.13	-1,269.16	-5,563.14	6,194.39	6,168.18	26.21	236.375		
3,200.00	3,140.10	2,700.00	2,691.74	15.50	12.44	-149.10	-1,260.77	-5,570.07	6,219.72	6,192.76	26.96	230.709		
3,300.00	3,237.78	2,757.44	2,748.33	15.98	12.74	-149.08	-1,253.40	-5,576.58	6,245.61	6,217.94	27.67	225.694		
3,400.00	3,335.47	2,814.84	2,804.87	16.47	13.04	-149.05	-1,246.28	-5,583.44	6,272.14	6,243.76	28.39	220.963		
3,500.00	3,433.15	2,879.98	2,869.01	16.96	13.38	-149.03	-1,238.23	-5,591.56	6,299.20	6,270.06	29.14	216.158		
3,600.00	3,530.84	2,935.18	2,923.31	17.45	13.68	-149.00	-1,231.39	-5,598.75	6,326.78	6,296.94	29.84	212.011		
3,700.00	3,628.53	3,000.00	2,986.99	17.94	14.03	-148.98	-1,223.36	-5,607.73	6,355.07	6,324.47	30.60	207.690		
3,800.00	3,726.21	3,038.61	3,024.90	18.43	14.25	-148.96	-1,218.62	-5,613.35	6,383.97	6,352.77	31.20	204.615		
3,900.00	3,823.90	3,100.00	3,085.13	18.92	14.59	-148.93	-1,211.23	-5,622.63	6,413.54	6,381.61	31.94	200.819		
4,000.00	3,921.58	3,229.51	3,212.08	19.41	15.33	-148.87	-1,194.80	-5,642.25	6,443.02	6,409.92	33.10	194.636		
4,100.00	4,019.27	3,315.52	3,296.32	19.90	15.83	-148.82	-1,183.34	-5,655.33	6,472.40	6,438.39	34.01	190.320		
4,200.00	4,116.96	3,488.71	3,465.91	20.39	16.84	-148.72	-1,159.35	-5,680.95	6,501.33	6,465.86	35.47	183.290		
4,300.00	4,214.64	3,580.61	3,556.07	20.88	17.36	-148.68	-1,147.03	-5,693.81	6,529.58	6,493.17	36.41	179.336		
4,400.00	4,312.33	3,730.19	3,702.65	21.37	18.21	-148.59	-1,125.60	-5,714.52	6,557.46	6,519.74	37.72	173.836		
4,500.00	4,410.01	3,812.43	3,783.18	21.87	18.68	-148.54	-1,113.32	-5,725.79	6,585.08	6,546.47	38.62	170.531		
4,600.00	4,507.70	3,878.35	3,847.70	22.36	19.07	-148.50	-1,103.45	-5,735.06	6,613.05	6,573.65	39.41	167.819		
4,700.00	4,605.39	3,987.04	3,954.13	22.85	19.69	-148.43	-1,087.69	-5,750.48	6,641.25	6,600.79	40.47	164.118		
4,800.00	4,703.07	4,055.84	4,021.59	23.35	20.09	-148.40	-1,078.18	-5,760.08	6,669.42	6,628.15	41.27	161.611		
4,900.00	4,800.76	4,100.00	4,064.82	23.84	20.34	-148.37	-1,071.86	-5,766.50	6,698.10	6,656.19	41.91	159.825		
5,000.00	4,898.44	4,167.31	4,130.70	24.33	20.74	-148.34	-1,062.52	-5,776.63	6,727.31	6,684.61	42.70	157.549		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,236.97	4,198.95	24.83	21.15	-148.30	-1,053.69	-5,787.41	6,757.11	6,713.61	43.50	155.336		
5,200.00	5,093.82	4,333.05	4,293.18	25.32	21.71	-148.27	-1,042.08	-5,802.19	6,787.01	6,742.54	44.47	152.622		
5,300.00	5,191.50	4,472.70	4,429.87	25.82	22.53	-148.20	-1,023.50	-5,823.90	6,816.86	6,771.12	45.74	149.044		
5,400.00	5,289.19	4,554.96	4,510.46	26.31	23.02	-148.16	-1,012.50	-5,836.22	6,846.11	6,799.48	46.63	146.827		
5,500.00	5,386.87	4,550.00	4,518.29	26.81	28.57	-148.11	-997.82	-5,852.94	6,875.55	6,823.28	52.27	131.536		
5,600.00	5,484.56	4,862.60	4,811.75	27.30	24.81	-148.00	-969.56	-5,881.09	6,903.64	6,854.29	49.35	139.885		
5,700.00	5,582.25	4,951.15	4,898.58	27.80	25.31	-147.96	-957.11	-5,893.23	6,931.54	6,881.26	50.28	137.857		
5,800.00	5,679.93	5,024.60	4,970.63	28.29	25.73	-147.92	-947.11	-5,903.36	6,959.63	6,908.53	51.11	136.182		
5,900.00	5,777.62	5,691.82	5,632.09	28.79	28.74	-147.98	-890.66	-5,962.40	6,986.01	6,930.98	55.03	126.941		
6,000.00	5,875.30	5,804.88	5,745.05	29.28	29.15	-148.05	-887.50	-5,965.55	7,006.26	6,950.32	55.94	125.246		
6,100.00	5,972.99	5,993.88	5,934.01	29.78	29.83	-148.20	-884.88	-5,968.80	7,025.90	6,968.73	57.17	122.898		
6,200.00	6,070.67	6,084.12	6,024.24	30.27	30.16	-148.28	-883.82	-5,969.66	7,044.83	6,986.86	57.97	121.516		
6,300.00	6,168.36	6,214.50	6,154.60	30.77	30.64	-148.38	-882.07	-5,970.78	7,063.65	7,004.70	58.95	119.819		
6,400.00	6,266.05	6,308.57	6,248.66	31.26	30.98	-148.46	-880.63	-5,971.41	7,082.25	7,022.47	59.78	118.478		
6,500.00	6,363.73	6,385.63	6,325.71	31.76	31.26	-148.52	-879.45	-5,972.07	7,101.04	7,040.51	60.53	117.315		
6,534.50	6,397.43	6,414.75	6,354.82	31.93	31.37	-148.54	-879.02	-5,972.38	7,107.58	7,046.78	60.80	116.900		
6,550.00	6,412.60	6,429.22	6,369.28	32.01	31.43	-143.69	-878.81	-5,972.53	7,110.35	7,049.42	60.93	116.702		
6,600.00	6,461.82	6,476.15	6,416.21	32.24	31.60	-121.95	-878.20	-5,973.02	7,116.80	7,055.47	61.33	116.037		
6,650.00	6,511.25	6,528.25	6,468.31	32.45	31.79	-92.88	-877.64	-5,973.54	7,119.45	7,057.70	61.75	115.299		
6,700.00	6,560.58	6,585.32	6,525.37	32.64	32.00	-67.88	-877.19	-5,974.02	7,118.22	7,056.06	62.17	114.499		
6,750.00	6,609.51	6,631.72	6,571.77	32.83	32.17	-52.26	-876.89	-5,974.36	7,113.16	7,050.63	62.52	113.766		
6,800.00	6,657.74	6,674.00	6,614.05	33.01	32.33	-43.07	-876.53	-5,974.73	7,104.35	7,041.50	62.85	113.045		
6,850.00	6,704.97	6,721.78	6,661.82	33.18	32.51	-37.48	-876.00	-5,975.22	7,091.84	7,028.67	63.17	112.260		
6,900.00	6,750.90	6,778.54	6,718.57	33.36	32.72	-33.96	-875.32	-5,975.75	7,075.64	7,012.12	63.52	111.384		
6,950.00	6,795.26	6,823.89	6,763.92	33.54	32.89	-31.72	-874.72	-5,976.14	7,055.85	6,992.04	63.81	110.575		
7,000.00	6,837.77	6,861.62	6,801.65	33.73	33.03	-30.34	-874.10	-5,976.52	7,032.67	6,968.62	64.05	109.802		
7,050.00	6,878.17	6,897.63	6,837.64	33.92	33.17	-29.61	-873.40	-5,976.94	7,006.24	6,941.97	64.27	109.019		
7,100.00	6,916.21	6,933.24	6,873.25	34.13	33.30	-29.43	-872.64	-5,977.39	6,976.73	6,912.26	64.47	108.216		
7,150.00	6,951.66	6,966.63	6,906.62	34.36	33.43	-29.74	-871.92	-5,977.83	6,944.30	6,879.64	64.66	107.405		
7,200.00	6,984.29	6,997.46	6,937.44	34.61	33.54	-30.54	-871.26	-5,978.24	6,909.16	6,844.34	64.82	106.589		
7,250.00	7,013.91	7,018.64	6,958.61	34.89	33.62	-31.84	-870.81	-5,978.58	6,871.53	6,806.59	64.94	105.816		
7,300.00	7,040.34	7,037.04	6,977.01	35.20	33.69	-33.76	-870.44	-5,978.82	6,831.66	6,766.62	65.04	105.038		
7,350.00	7,063.40	7,053.22	6,993.19	35.55	33.76	-36.45	-870.13	-5,979.09	6,789.79	6,724.66	65.13	104.248		
7,400.00	7,082.97	7,067.09	7,007.05	35.94	33.81	-40.18	-869.88	-5,979.33	6,746.16	6,680.94	65.21	103.449		
7,450.00	7,098.91	7,078.55	7,018.50	36.36	33.85	-45.33	-869.67	-5,979.53	6,701.02	6,635.74	65.29	102.641		
7,500.00	7,111.13	7,087.51	7,027.46	36.83	33.89	-52.49	-869.52	-5,979.70	6,654.66	6,589.31	65.35	101.825		
7,550.00	7,119.55	7,100.00	7,039.95	37.34	33.93	-62.57	-869.31	-5,979.94	6,607.35	6,541.90	65.44	100.961		
7,600.00	7,124.13	7,100.00	7,039.95	37.88	33.93	-75.88	-869.31	-5,979.94	6,559.36	6,493.88	65.49	100.161		
7,639.68	7,125.00	7,100.00	7,039.95	38.33	33.93	-88.81	-869.31	-5,979.94	6,521.00	6,455.47	65.53	99.512		
7,700.00	7,124.48	7,100.00	7,039.95	39.05	33.93	-88.81	-869.31	-5,979.94	6,462.60	6,397.00	65.60	98.513		
7,800.00	7,123.60	7,100.00	7,039.95	40.40	33.93	-88.81	-869.31	-5,979.94	6,365.86	6,300.12	65.74	96.836		
7,900.00	7,122.72	7,100.00	7,039.95	41.90	33.93	-88.81	-869.31	-5,979.94	6,269.22	6,203.32	65.90	95.132		
8,000.00	7,121.84	7,101.51	7,041.46	43.54	33.94	-88.87	-869.28	-5,979.96	6,172.69	6,106.59	66.10	93.390		
8,100.00	7,120.97	7,102.33	7,042.28	45.30	33.94	-88.89	-869.27	-5,979.98	6,076.26	6,009.95	66.32	91.625		
8,200.00	7,120.09	7,103.15	7,043.10	47.17	33.95	-88.92	-869.26	-5,980.00	5,979.96	5,913.39	66.57	89.833		
8,300.00	7,119.21	7,103.98	7,043.92	49.13	33.95	-88.95	-869.24	-5,980.01	5,883.78	5,816.93	66.85	88.014		
8,400.00	7,118.33	7,104.81	7,044.75	51.18	33.95	-88.98	-869.23	-5,980.03	5,787.73	5,720.56	67.17	86.168		
8,500.00	7,117.46	7,105.64	7,045.59	53.30	33.95	-89.01	-869.22	-5,980.05	5,691.81	5,624.29	67.52	84.295		
8,600.00	7,116.58	7,106.49	7,046.43	55.48	33.96	-89.04	-869.20	-5,980.06	5,596.04	5,528.13	67.92	82.397		
8,700.00	7,115.70	7,107.33	7,047.28	57.72	33.96	-89.07	-869.19	-5,980.08	5,500.42	5,432.07	68.35	80.475		
8,800.00	7,114.82	7,108.18	7,048.13	60.02	33.96	-89.10	-869.17	-5,980.10	5,404.96	5,336.13	68.83	78.529		
8,900.00	7,113.95	7,109.04	7,048.98	62.36	33.97	-89.13	-869.16	-5,980.11	5,309.66	5,240.31	69.35	76.561		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.07	7,109.90	7,049.84	64.74	33.97	-89.16	-869.15	-5,980.13	5,214.54	5,144.61	69.92	74.574		
9,100.00	7,112.19	7,110.76	7,050.71	67.15	33.97	-89.19	-869.13	-5,980.15	5,119.60	5,049.05	70.55	72.568		
9,200.00	7,111.31	7,111.63	7,051.58	69.60	33.98	-89.22	-869.12	-5,980.16	5,024.87	4,953.64	71.23	70.546		
9,300.00	7,110.44	7,112.51	7,052.45	72.08	33.98	-89.25	-869.10	-5,980.18	4,930.33	4,858.37	71.97	68.510		
9,400.00	7,109.56	7,113.39	7,053.33	74.58	33.98	-89.28	-869.09	-5,980.20	4,836.02	4,763.26	72.76	66.463		
9,500.00	7,108.68	7,114.27	7,054.22	77.10	33.99	-89.32	-869.08	-5,980.22	4,741.94	4,668.32	73.62	64.408		
9,600.00	7,107.81	7,115.16	7,055.11	79.65	33.99	-89.35	-869.06	-5,980.23	4,648.11	4,573.56	74.55	62.348		
9,700.00	7,106.93	7,116.06	7,056.00	82.22	33.99	-89.38	-869.05	-5,980.25	4,554.54	4,478.99	75.55	60.285		
9,800.00	7,106.05	7,116.96	7,056.90	84.80	34.00	-89.41	-869.03	-5,980.27	4,461.25	4,384.63	76.62	58.223		
9,900.00	7,105.17	7,117.87	7,057.81	87.40	34.00	-89.44	-869.02	-5,980.29	4,368.26	4,290.49	77.78	56.165		
10,000.00	7,104.30	7,118.78	7,058.72	90.02	34.00	-89.48	-869.00	-5,980.31	4,275.58	4,196.57	79.01	54.115		
10,100.00	7,103.42	7,119.69	7,059.63	92.64	34.01	-89.51	-868.99	-5,980.33	4,183.24	4,102.91	80.33	52.075		
10,200.00	7,102.54	7,120.62	7,060.56	95.28	34.01	-89.54	-868.97	-5,980.34	4,091.26	4,009.52	81.74	50.051		
10,300.00	7,101.66	7,121.54	7,061.48	97.94	34.02	-89.57	-868.96	-5,980.36	3,999.67	3,916.42	83.25	48.044		
10,400.00	7,100.79	7,122.48	7,062.42	100.60	34.02	-89.61	-868.94	-5,980.38	3,908.48	3,823.62	84.86	46.059		
10,500.00	7,099.91	7,123.42	7,063.36	103.27	34.02	-89.64	-868.93	-5,980.40	3,817.74	3,731.17	86.57	44.098		
10,600.00	7,099.03	7,124.36	7,064.30	105.95	34.03	-89.67	-868.91	-5,980.42	3,727.47	3,639.07	88.40	42.166		
10,700.00	7,098.15	7,125.31	7,065.25	108.64	34.03	-89.71	-868.90	-5,980.44	3,637.71	3,547.37	90.34	40.265		
10,800.00	7,097.28	7,126.26	7,066.20	111.33	34.03	-89.74	-868.88	-5,980.46	3,548.50	3,456.09	92.41	38.398		
10,900.00	7,096.40	7,127.23	7,067.17	114.04	34.04	-89.77	-868.87	-5,980.48	3,459.87	3,365.26	94.61	36.569		
11,000.00	7,095.52	7,128.19	7,068.13	116.74	34.04	-89.81	-868.85	-5,980.50	3,371.89	3,274.94	96.95	34.780		
11,100.00	7,094.64	7,129.17	7,069.11	119.46	34.04	-89.84	-868.84	-5,980.52	3,284.59	3,185.16	99.43	33.034		
11,200.00	7,093.77	7,130.15	7,070.08	122.18	34.05	-89.88	-868.82	-5,980.54	3,198.03	3,095.97	102.06	31.333		
11,300.00	7,092.89	7,131.13	7,071.07	124.91	34.05	-89.91	-868.81	-5,980.56	3,112.28	3,007.42	104.86	29.680		
11,400.00	7,092.01	7,132.12	7,072.06	127.64	34.06	-89.95	-868.79	-5,980.58	3,027.40	2,919.58	107.82	28.077		
11,500.00	7,091.13	7,133.12	7,073.06	130.38	34.06	-89.98	-868.78	-5,980.60	2,943.47	2,832.51	110.97	26.526		
11,600.00	7,090.26	7,134.12	7,074.06	133.12	34.06	-90.02	-868.76	-5,980.62	2,860.58	2,746.28	114.30	25.028		
11,700.00	7,089.38	7,135.13	7,075.07	135.86	34.07	-90.05	-868.74	-5,980.64	2,778.81	2,660.99	117.82	23.585		
11,800.00	7,088.50	7,136.15	7,076.08	138.61	34.07	-90.09	-868.73	-5,980.66	2,698.27	2,576.72	121.55	22.199		
11,900.00	7,087.63	7,137.17	7,077.11	141.36	34.07	-90.12	-868.71	-5,980.68	2,619.07	2,493.59	125.49	20.871		
12,000.00	7,086.75	7,138.20	7,078.13	144.12	34.08	-90.16	-868.70	-5,980.70	2,541.34	2,411.70	129.64	19.602		
12,100.00	7,085.87	7,139.23	7,079.17	146.88	34.08	-90.20	-868.68	-5,980.72	2,465.21	2,331.19	134.03	18.393		
12,200.00	7,084.99	7,140.28	7,080.21	149.64	34.09	-90.23	-868.66	-5,980.75	2,390.84	2,252.21	138.64	17.245		
12,300.00	7,084.12	7,141.32	7,081.26	152.40	34.09	-90.27	-868.65	-5,980.77	2,318.40	2,174.92	143.48	16.158		
12,400.00	7,083.24	7,142.38	7,082.31	155.17	34.09	-90.31	-868.63	-5,980.79	2,248.08	2,099.52	148.55	15.133		
12,500.00	7,082.36	7,143.44	7,083.37	157.94	34.10	-90.35	-868.61	-5,980.81	2,180.07	2,026.22	153.85	14.170		
12,600.00	7,081.48	7,144.51	7,084.44	160.71	34.10	-90.38	-868.60	-5,980.83	2,114.61	1,955.25	159.36	13.269		
12,700.00	7,080.61	7,145.58	7,085.51	163.49	34.11	-90.42	-868.58	-5,980.86	2,051.93	1,886.87	165.07	12.431		
12,800.00	7,079.73	7,146.66	7,086.60	166.27	34.11	-90.46	-868.56	-5,980.88	1,992.30	1,821.36	170.94	11.655		
12,900.00	7,078.85	7,147.75	7,087.68	169.04	34.11	-90.50	-868.55	-5,980.90	1,936.01	1,759.05	176.95	10.941		
13,000.00	7,077.97	7,148.85	7,088.78	171.83	34.12	-90.54	-868.53	-5,980.93	1,883.34	1,700.28	183.05	10.288		
13,100.00	7,077.10	7,149.95	7,089.88	174.61	34.12	-90.58	-868.51	-5,980.95	1,834.61	1,645.42	189.19	9.697		
13,200.00	7,076.22	7,151.06	7,090.99	177.39	34.13	-90.61	-868.50	-5,980.97	1,790.15	1,594.86	195.29	9.167		
13,300.00	7,075.34	7,152.18	7,092.11	180.18	34.13	-90.65	-868.48	-5,981.00	1,750.28	1,549.00	201.28	8.696		
13,400.00	7,074.46	7,153.30	7,093.23	182.97	34.14	-90.69	-868.46	-5,981.02	1,715.32	1,508.25	207.06	8.284		
13,500.00	7,073.59	7,154.43	7,094.36	185.76	34.14	-90.73	-868.45	-5,981.04	1,685.57	1,473.02	212.55	7.930		
13,600.00	7,072.71	7,155.57	7,095.50	188.55	34.14	-90.77	-868.43	-5,981.07	1,661.32	1,443.68	217.64	7.633		
13,700.00	7,071.83	7,156.72	7,096.65	191.34	34.15	-90.81	-868.41	-5,981.09	1,642.80	1,420.57	222.23	7.392		
13,800.00	7,070.95	7,157.88	7,097.80	194.14	34.15	-90.86	-868.39	-5,981.12	1,630.22	1,403.99	226.24	7.206		
13,900.00	7,070.08	7,159.04	7,098.97	196.93	34.16	-90.90	-868.37	-5,981.14	1,623.71	1,394.13	229.59	7.072		
13,955.91	7,069.59	7,159.69	7,099.62	198.50	34.16	-90.92	-868.36	-5,981.16	1,622.75	1,391.59	231.16	7.020 CC		
14,000.00	7,069.20	7,160.21	7,100.13	199.73	34.16	-90.94	-868.36	-5,981.17	1,623.35	1,391.12	232.23	6.990 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 32C-6-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 32C-6-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	7,068.32	7,161.38	7,101.31	202.53	34.17	-90.98	-868.34	-5,981.19	1,629.13	1,395.00	234.13	6.958 SF		
14,200.00	7,067.45	7,162.57	7,102.50	205.33	34.17	-91.02	-868.32	-5,981.22	1,641.00	1,405.71	235.29	6.974		
14,300.00	7,066.57	7,163.76	7,103.69	208.13	34.18	-91.06	-868.30	-5,981.24	1,658.82	1,423.09	235.73	7.037		
14,400.00	7,065.69	7,164.97	7,104.89	210.93	34.18	-91.11	-868.29	-5,981.27	1,682.41	1,446.92	235.49	7.144		
14,500.00	7,064.81	7,166.17	7,106.10	213.73	34.19	-91.15	-868.27	-5,981.30	1,711.52	1,476.89	234.63	7.295		
14,600.00	7,063.94	7,167.39	7,107.32	216.54	34.19	-91.19	-868.25	-5,981.32	1,745.88	1,512.66	233.22	7.486		
14,700.00	7,063.06	7,168.62	7,108.54	219.34	34.19	-91.23	-868.23	-5,981.35	1,785.19	1,553.85	231.34	7.717		
14,800.00	7,062.18	7,169.85	7,109.78	222.15	34.20	-91.28	-868.21	-5,981.38	1,829.12	1,600.06	229.06	7.985		
14,900.00	7,061.30	7,171.10	7,111.02	224.95	34.20	-91.32	-868.19	-5,981.40	1,877.36	1,650.88	226.48	8.289		
15,000.00	7,060.43	7,172.35	7,112.27	227.76	34.21	-91.37	-868.17	-5,981.43	1,929.58	1,705.93	223.65	8.628		
15,100.00	7,059.55	7,173.61	7,113.53	230.57	34.21	-91.41	-868.16	-5,981.46	1,985.46	1,764.81	220.65	8.998		
15,200.00	7,058.67	7,174.88	7,114.80	233.38	34.22	-91.46	-868.14	-5,981.49	2,044.71	1,827.18	217.53	9.400		
15,300.00	7,057.79	7,176.16	7,116.08	236.19	34.22	-91.50	-868.12	-5,981.51	2,107.04	1,892.70	214.34	9.830		
15,400.00	7,056.92	7,177.44	7,117.36	239.00	34.23	-91.55	-868.10	-5,981.54	2,172.19	1,961.07	211.12	10.289		
15,500.00	7,056.04	7,178.74	7,118.66	241.81	34.23	-91.59	-868.08	-5,981.57	2,239.90	2,032.00	207.90	10.774		
15,600.00	7,055.16	7,180.04	7,119.96	244.62	34.24	-91.64	-868.06	-5,981.60	2,309.96	2,105.25	204.71	11.284		
15,700.00	7,054.28	7,181.36	7,121.28	247.43	34.24	-91.68	-868.04	-5,981.63	2,382.16	2,180.58	201.58	11.817		
15,800.00	7,053.41	7,182.68	7,122.60	250.25	34.25	-91.73	-868.02	-5,981.66	2,456.31	2,257.80	198.51	12.374		
15,846.35	7,053.00	7,183.30	7,123.22	251.55	34.25	-91.75	-868.01	-5,981.67	2,491.29	2,294.17	197.12	12.639		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-104.49	-1,410.33	-5,457.83	5,637.10					
100.00	100.00	79.55	79.55	3.28	3.28	-104.49	-1,410.17	-5,458.05	5,637.34	5,630.77	6.57	858.134		
200.00	200.00	172.66	172.65	3.34	3.32	-104.48	-1,409.68	-5,458.72	5,637.89	5,631.23	6.66	846.586		
300.00	299.98	290.61	290.60	3.44	3.44	-148.98	-1,408.67	-5,459.53	5,639.85	5,632.96	6.88	819.226		
400.00	399.84	416.70	416.67	3.61	3.64	-148.95	-1,406.84	-5,460.03	5,644.36	5,637.11	7.24	779.116		
500.00	499.45	516.41	516.36	3.81	3.85	-148.90	-1,405.00	-5,460.31	5,651.64	5,643.99	7.66	738.138		
600.00	598.70	617.84	617.78	4.06	4.09	-148.84	-1,402.93	-5,460.64	5,661.89	5,653.74	8.15	694.836		
700.00	697.47	748.03	747.92	4.35	4.45	-148.78	-1,399.78	-5,460.81	5,674.85	5,666.06	8.79	645.672		
800.00	795.62	867.12	866.96	4.66	4.82	-148.70	-1,396.07	-5,460.47	5,690.17	5,680.71	9.47	601.132		
817.50	812.73	885.08	884.91	4.73	4.88	-148.68	-1,395.49	-5,460.41	5,693.14	5,683.56	9.58	594.023		
900.00	893.32	900.00	899.82	5.01	4.92	-148.70	-1,394.99	-5,460.35	5,707.73	5,697.83	9.91	576.199		
1,000.00	991.01	958.18	957.98	5.38	5.11	-148.75	-1,393.64	-5,460.55	5,726.10	5,715.66	10.44	548.334		
1,100.00	1,088.69	1,000.00	999.80	5.77	5.25	-148.79	-1,393.39	-5,461.20	5,745.72	5,734.77	10.95	524.962		
1,200.00	1,186.38	1,030.69	1,030.48	6.18	5.35	-148.83	-1,393.61	-5,461.90	5,766.37	5,754.94	11.42	504.787		
1,300.00	1,284.06	1,069.67	1,069.43	6.60	5.49	-148.88	-1,394.43	-5,463.00	5,788.03	5,776.09	11.94	484.751		
1,400.00	1,381.75	1,115.71	1,115.41	7.03	5.65	-148.94	-1,396.14	-5,464.61	5,810.68	5,798.18	12.49	465.158		
1,500.00	1,479.44	1,188.11	1,187.69	7.47	5.92	-149.05	-1,399.45	-5,467.36	5,833.92	5,820.77	13.15	443.573		
1,600.00	1,577.12	1,241.25	1,240.70	7.91	6.13	-149.13	-1,402.37	-5,469.53	5,857.73	5,843.97	13.75	425.932		
1,700.00	1,674.81	1,300.00	1,299.24	8.37	6.36	-149.22	-1,406.55	-5,472.20	5,882.34	5,867.96	14.38	409.004		
1,800.00	1,772.49	1,356.64	1,355.61	8.82	6.60	-149.33	-1,411.41	-5,474.92	5,907.62	5,892.60	15.02	393.370		
1,900.00	1,870.18	1,400.00	1,398.71	9.28	6.79	-149.41	-1,415.61	-5,476.99	5,933.44	5,917.84	15.60	380.332		
2,000.00	1,967.87	1,448.52	1,446.88	9.75	7.01	-149.50	-1,420.77	-5,479.59	5,960.09	5,943.87	16.21	367.583		
2,100.00	2,065.55	1,500.00	1,497.90	10.22	7.25	-149.61	-1,426.76	-5,482.96	5,987.84	5,971.00	16.84	355.525		
2,200.00	2,163.24	1,500.00	1,497.90	10.69	7.25	-149.61	-1,426.76	-5,482.96	6,016.53	5,999.30	17.23	349.139		
2,300.00	2,260.92	1,541.83	1,539.27	11.16	7.46	-149.69	-1,432.04	-5,486.26	6,046.25	6,028.43	17.82	339.297		
2,400.00	2,358.61	1,600.00	1,596.61	11.64	7.76	-149.81	-1,440.04	-5,491.83	6,077.37	6,058.89	18.48	328.790		
2,500.00	2,456.30	1,600.00	1,596.61	12.12	7.76	-149.81	-1,440.04	-5,491.83	6,109.03	6,090.17	18.86	323.876		
2,600.00	2,553.98	1,600.00	1,596.61	12.59	7.76	-149.81	-1,440.04	-5,491.83	6,142.15	6,122.92	19.23	319.334		
2,700.00	2,651.67	1,652.09	1,647.75	13.08	8.07	-149.93	-1,448.01	-5,497.71	6,175.99	6,156.12	19.87	310.742		
2,800.00	2,749.35	1,700.00	1,694.57	13.56	8.36	-150.04	-1,456.15	-5,503.78	6,211.12	6,190.63	20.49	303.115		
2,900.00	2,847.04	1,717.53	1,711.65	14.04	8.47	-150.08	-1,459.30	-5,506.12	6,247.01	6,226.06	20.95	298.221		
3,000.00	2,944.72	1,785.70	1,778.00	14.52	8.92	-150.24	-1,472.10	-5,515.16	6,283.57	6,261.88	21.69	289.697		
3,100.00	3,042.41	1,843.68	1,834.32	15.01	9.32	-150.39	-1,483.53	-5,522.92	6,320.59	6,298.21	22.38	282.427		
3,200.00	3,140.10	1,900.00	1,888.95	15.50	9.71	-150.53	-1,494.70	-5,530.74	6,358.19	6,335.13	23.06	275.732		
3,300.00	3,237.78	1,930.24	1,918.24	15.98	9.93	-150.60	-1,500.82	-5,535.13	6,396.52	6,372.93	23.58	271.213		
3,400.00	3,335.47	1,960.82	1,947.78	16.47	10.15	-150.68	-1,507.22	-5,539.78	6,435.75	6,411.64	24.11	266.961		
3,500.00	3,433.15	2,000.00	1,985.51	16.96	10.45	-150.78	-1,515.72	-5,546.05	6,475.88	6,451.20	24.68	262.402		
3,600.00	3,530.84	2,076.73	2,059.28	17.45	11.05	-150.97	-1,532.73	-5,558.57	6,516.60	6,491.10	25.50	255.532		
3,700.00	3,628.53	2,215.43	2,192.87	17.94	12.12	-151.31	-1,562.62	-5,580.85	6,557.03	6,530.31	26.72	245.363		
3,800.00	3,726.21	2,277.55	2,252.78	18.43	12.59	-151.46	-1,575.64	-5,590.89	6,597.40	6,569.96	27.44	240.424		
3,900.00	3,823.90	2,366.33	2,338.34	18.92	13.26	-151.67	-1,594.41	-5,605.31	6,638.00	6,609.66	28.33	234.271		
4,000.00	3,921.58	2,462.99	2,431.49	19.41	14.00	-151.90	-1,615.07	-5,620.82	6,678.58	6,649.30	29.28	228.061		
4,100.00	4,019.27	2,547.42	2,512.84	19.90	14.64	-152.10	-1,633.20	-5,634.27	6,719.19	6,689.03	30.16	222.803		
4,200.00	4,116.96	2,638.89	2,600.85	20.39	15.34	-152.32	-1,653.53	-5,648.68	6,759.97	6,728.89	31.08	217.469		
4,300.00	4,214.64	2,861.21	2,815.20	20.88	16.97	-152.85	-1,703.06	-5,680.71	6,799.48	6,766.57	32.90	206.645		
4,400.00	4,312.33	2,930.58	2,882.16	21.37	17.46	-153.01	-1,718.47	-5,690.24	6,838.72	6,805.04	33.68	203.046		
4,500.00	4,410.01	3,000.00	2,949.14	21.87	17.95	-153.17	-1,733.85	-5,700.00	6,878.30	6,843.85	34.46	199.621		
4,600.00	4,507.70	3,147.35	3,091.71	22.36	18.97	-153.49	-1,764.44	-5,721.21	6,917.78	6,882.05	35.74	193.581		
4,700.00	4,605.39	3,255.87	3,196.89	22.85	19.70	-153.73	-1,786.64	-5,736.10	6,956.61	6,919.86	36.75	189.279		
4,800.00	4,703.07	4,800.00	3,318.32	23.35	29.93	-154.00	-1,813.19	-5,752.52	6,995.23	6,949.61	45.62	153.344		
4,900.00	4,800.76	3,456.27	3,391.04	23.84	21.03	-154.16	-1,828.93	-5,762.12	7,033.67	6,994.98	38.69	181.814		
5,000.00	4,898.44	3,500.63	3,433.99	24.33	21.32	-154.25	-1,838.27	-5,768.11	7,072.75	7,033.47	39.28	180.064		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,100.00	3,533.04	24.83	32.14	-154.47	-1,859.62	-5,782.13	7,112.00	7,063.64	48.36	147.065		
5,200.00	5,093.82	3,640.61	3,569.48	25.32	22.28	-154.55	-1,867.70	-5,787.32	7,151.62	7,110.81	40.81	175.234		
5,300.00	5,191.50	3,700.00	3,626.62	25.82	22.71	-154.68	-1,881.56	-5,795.70	7,192.13	7,150.61	41.51	173.252		
5,400.00	5,289.19	3,700.00	3,626.62	26.31	22.71	-154.68	-1,881.56	-5,795.70	7,233.15	7,191.36	41.79	173.080		
5,500.00	5,386.87	3,764.52	3,688.43	26.81	23.21	-154.83	-1,897.48	-5,805.09	7,274.83	7,232.29	42.54	170.999		
5,600.00	5,484.56	3,821.82	3,743.25	27.30	23.66	-154.96	-1,911.79	-5,813.69	7,317.04	7,273.80	43.24	169.221		
5,700.00	5,582.25	3,891.32	3,809.75	27.80	24.22	-155.12	-1,928.88	-5,824.46	7,359.58	7,315.55	44.03	167.165		
5,800.00	5,679.93	3,960.00	4,084.03	28.29	37.56	-155.69	-1,991.49	-5,867.76	7,400.67	7,345.63	55.03	134.472		
5,900.00	5,777.62	4,303.06	4,207.12	28.79	27.18	-155.92	-2,017.16	-5,886.02	7,440.70	7,393.24	47.46	156.791		
6,000.00	5,875.30	4,375.84	4,277.63	29.28	27.67	-156.05	-2,031.86	-5,896.47	7,480.83	7,432.60	48.23	155.119		
6,100.00	5,972.99	4,434.44	4,334.32	29.78	28.08	-156.16	-2,044.16	-5,904.84	7,521.26	7,472.35	48.90	153.798		
6,200.00	6,070.67	4,500.00	4,397.60	30.27	28.54	-156.29	-2,058.36	-5,914.40	7,562.20	7,512.57	49.63	152.370		
6,300.00	6,168.36	4,564.25	4,459.55	30.77	29.00	-156.41	-2,072.53	-5,923.87	7,603.48	7,553.13	50.35	151.005		
6,400.00	6,266.05	4,628.95	4,528.38	31.26	37.26	-156.47	-2,086.04	-5,933.06	7,644.88	7,594.83	60.05	127.144		
6,500.00	6,363.73	4,696.12	4,595.54	31.76	37.65	-156.55	-2,099.55	-5,942.88	7,686.87	7,637.59	60.98	125.551		
6,534.50	6,397.43	4,653.90	4,623.31	31.93	37.73	-156.57	-2,099.55	-5,942.88	7,686.87	7,637.59	61.24	125.142		
6,550.00	6,412.60	4,666.40	4,635.82	32.01	37.77	-156.67	-2,099.55	-5,942.88	7,686.87	7,637.59	61.35	124.958		
6,600.00	6,461.82	4,712.38	4,681.79	32.24	37.91	-131.79	-2,265.45	-6,066.48	7,673.83	7,612.09	61.74	124.299		
6,650.00	6,511.25	4,764.76	4,734.17	32.45	38.14	-102.65	-2,266.23	-6,066.89	7,677.79	7,615.57	62.22	123.405		
6,700.00	6,560.58	4,818.03	4,787.43	32.64	38.30	-77.62	-2,266.90	-6,067.03	7,678.02	7,615.42	62.60	122.647		
6,750.00	6,609.51	4,868.76	4,838.16	32.83	38.45	-62.03	-2,267.69	-6,067.06	7,674.64	7,611.69	62.95	121.920		
6,800.00	6,657.74	4,920.45	4,889.84	33.01	38.56	-52.90	-2,268.37	-6,067.07	7,667.70	7,604.47	63.22	121.278		
6,850.00	6,704.97	4,972.22	4,939.80	33.18	38.64	-47.40	-2,268.97	-6,067.13	7,657.32	7,593.86	63.46	120.666		
6,900.00	6,750.90	5,024.24	4,991.81	33.36	38.73	-44.00	-2,269.57	-6,067.25	7,643.57	7,579.90	63.67	120.044		
6,950.00	6,795.26	5,076.86	5,043.16	33.54	38.86	-41.96	-2,270.47	-6,067.50	7,626.53	7,562.61	63.92	119.317		
7,000.00	6,837.77	5,128.41	5,094.74	33.73	39.17	-41.06	-2,272.89	-6,067.60	7,606.04	7,541.65	64.39	118.120		
7,050.00	6,878.17	5,179.00	5,145.34	33.92	39.12	-40.50	-2,272.48	-6,067.64	7,582.46	7,518.07	64.38	117.769		
7,100.00	6,916.21	5,229.05	5,195.38	34.13	39.24	-40.73	-2,273.37	-6,067.71	7,555.87	7,491.28	64.58	116.993		
7,150.00	6,951.66	5,279.59	5,245.92	34.36	39.29	-41.41	-2,273.72	-6,067.83	7,526.62	7,461.93	64.69	116.354		
7,200.00	6,984.29	5,330.02	5,296.34	34.61	39.33	-42.62	-2,274.04	-6,067.98	7,494.81	7,430.03	64.78	115.693		
7,250.00	7,013.91	5,380.00	5,346.31	34.89	39.44	-44.50	-2,274.73	-6,068.49	7,460.69	7,395.73	64.95	114.864		
7,300.00	7,040.34	5,430.00	5,372.31	35.20	39.44	-46.79	-2,274.73	-6,068.49	7,424.27	7,359.28	64.99	114.243		
7,350.00	7,063.40	5,480.49	5,398.80	35.55	39.48	-49.87	-2,274.98	-6,068.73	7,385.91	7,320.83	65.08	113.493		
7,400.00	7,082.97	5,530.60	5,425.89	35.94	39.61	-54.07	-2,275.75	-6,069.44	7,345.74	7,280.44	65.30	112.492		
7,450.00	7,098.91	5,580.09	5,452.37	36.36	39.72	-59.26	-2,276.33	-6,069.95	7,304.00	7,238.50	65.50	111.512		
7,500.00	7,111.13	5,630.86	5,479.14	36.83	39.80	-65.54	-2,276.74	-6,070.30	7,260.97	7,195.29	65.68	110.552		
7,550.00	7,119.55	5,680.18	5,489.46	37.34	39.82	-72.81	-2,276.85	-6,070.40	7,216.95	7,151.16	65.79	109.689		
7,600.00	7,124.13	5,730.98	5,496.26	37.88	39.84	-81.26	-2,276.96	-6,070.49	7,172.21	7,106.28	65.92	108.796		
7,639.68	7,125.00	5,781.81	5,498.08	38.33	39.85	-88.58	-2,276.99	-6,070.51	7,136.37	7,070.35	66.02	108.091		
7,700.00	7,124.48	5,832.17	5,499.45	39.05	39.85	-88.58	-2,276.99	-6,070.52	7,081.79	7,015.61	66.18	107.012		
7,800.00	7,123.60	5,882.78	5,499.05	40.40	39.85	-88.59	-2,277.00	-6,070.53	6,991.52	6,925.04	66.48	105.165		
7,900.00	7,122.72	5,933.38	5,499.65	41.90	39.86	-88.61	-2,277.01	-6,070.53	6,901.52	6,834.67	66.84	103.247		
8,000.00	7,121.84	5,984.97	5,500.25	43.54	39.86	-88.62	-2,277.02	-6,070.54	6,811.79	6,744.52	67.27	101.260		
8,100.00	7,120.97	6,036.56	5,500.84	45.30	39.86	-88.63	-2,277.03	-6,070.55	6,722.36	6,654.60	67.76	99.208		
8,200.00	7,120.09	6,088.15	5,501.42	47.17	39.86	-88.64	-2,277.04	-6,070.56	6,633.23	6,564.91	68.32	97.095		
8,300.00	7,119.21	6,139.73	5,502.01	49.13	39.86	-88.65	-2,277.05	-6,070.56	6,544.41	6,475.47	68.94	94.928		
8,400.00	7,118.33	6,191.31	5,502.59	51.18	39.86	-88.66	-2,277.06	-6,070.57	6,455.92	6,386.28	69.64	92.711		
8,500.00	7,117.46	6,242.89	5,503.16	53.30	39.87	-88.67	-2,277.06	-6,070.58	6,367.77	6,297.37	70.40	90.450		
8,600.00	7,116.58	6,294.46	5,503.73	55.48	39.87	-88.68	-2,277.07	-6,070.59	6,279.97	6,208.73	71.24	88.153		
8,700.00	7,115.70	6,346.03	5,504.30	57.72	39.87	-88.69	-2,277.08	-6,070.59	6,192.55	6,120.39	72.15	85.826		
8,800.00	7,114.82	6,397.59	5,504.86	60.02	39.87	-88.70	-2,277.09	-6,070.60	6,105.51	6,032.36	73.14	83.476		
8,900.00	7,113.95	6,449.15	5,505.42	62.36	39.87	-88.72	-2,277.10	-6,070.61	6,018.87	5,944.66	74.21	81.111		

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 32C-6-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 32C-6-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	7,113.07	7,136.71	7,005.98	64.74	39.88	-88.73	-2,277.11	-6,070.61	5,932.65	5,857.30	75.35	78.737		
9,100.00	7,112.19	7,137.26	7,006.53	67.15	39.88	-88.74	-2,277.12	-6,070.62	5,846.87	5,770.31	76.57	76.361		
9,200.00	7,111.31	7,137.81	7,007.08	69.60	39.88	-88.75	-2,277.12	-6,070.63	5,761.56	5,683.69	77.87	73.990		
9,300.00	7,110.44	7,138.35	7,007.63	72.08	39.88	-88.76	-2,277.13	-6,070.64	5,676.72	5,597.46	79.25	71.630		
9,400.00	7,109.56	7,138.89	7,008.17	74.58	39.88	-88.77	-2,277.14	-6,070.64	5,592.38	5,511.66	80.71	69.287		
9,500.00	7,108.68	7,139.43	7,008.71	77.10	39.88	-88.78	-2,277.15	-6,070.65	5,508.56	5,426.30	82.26	66.966		
9,600.00	7,107.81	7,139.97	7,009.24	79.65	39.89	-88.79	-2,277.16	-6,070.66	5,425.30	5,341.41	83.89	64.673		
9,700.00	7,106.93	7,140.50	7,009.77	82.22	39.89	-88.80	-2,277.16	-6,070.66	5,342.60	5,257.00	85.60	62.412		
9,800.00	7,106.05	7,141.03	7,010.30	84.80	39.89	-88.81	-2,277.17	-6,070.67	5,260.51	5,173.11	87.40	60.188		
9,900.00	7,105.17	7,141.55	7,010.82	87.40	39.89	-88.82	-2,277.18	-6,070.68	5,179.05	5,089.76	89.29	58.004		
10,000.00	7,104.30	7,142.07	7,011.34	90.02	39.89	-88.83	-2,277.19	-6,070.68	5,098.25	5,006.99	91.26	55.863		
10,100.00	7,103.42	7,142.59	7,011.86	92.64	39.89	-88.84	-2,277.20	-6,070.69	5,018.14	4,924.81	93.33	53.769		
10,200.00	7,102.54	7,143.10	7,012.38	95.28	39.90	-88.85	-2,277.20	-6,070.69	4,938.75	4,843.27	95.48	51.724		
10,300.00	7,101.66	7,143.62	7,012.89	97.94	39.90	-88.86	-2,277.21	-6,070.70	4,860.13	4,762.40	97.73	49.730		
10,400.00	7,100.79	7,144.12	7,013.39	100.60	39.90	-88.87	-2,277.22	-6,070.71	4,782.30	4,682.23	100.07	47.789		
10,500.00	7,099.91	7,144.63	7,013.90	103.27	39.90	-88.88	-2,277.23	-6,070.71	4,705.32	4,602.81	102.51	45.902		
10,600.00	7,099.03	7,145.13	7,014.40	105.95	39.90	-88.89	-2,277.23	-6,070.72	4,629.21	4,524.17	105.04	44.070		
10,700.00	7,098.15	7,145.63	7,014.90	108.64	39.90	-88.89	-2,277.24	-6,070.73	4,554.03	4,446.35	107.67	42.296		
10,800.00	7,097.28	7,146.12	7,015.39	111.33	39.91	-88.90	-2,277.25	-6,070.73	4,479.81	4,369.41	110.40	40.578		
10,900.00	7,096.40	7,146.61	7,015.89	114.04	39.91	-88.91	-2,277.26	-6,070.74	4,406.62	4,293.39	113.23	38.917		
11,000.00	7,095.52	7,147.10	7,016.37	116.74	39.91	-88.92	-2,277.26	-6,070.74	4,334.50	4,218.34	116.16	37.315		
11,100.00	7,094.64	7,147.59	7,016.86	119.46	39.91	-88.93	-2,277.27	-6,070.75	4,263.50	4,144.31	119.19	35.770		
11,200.00	7,093.77	7,148.07	7,017.34	122.18	39.91	-88.94	-2,277.28	-6,070.76	4,193.69	4,071.36	122.33	34.282		
11,300.00	7,092.89	7,148.55	7,017.82	124.91	39.91	-88.95	-2,277.29	-6,070.76	4,125.12	3,999.55	125.57	32.852		
11,400.00	7,092.01	7,149.03	7,018.30	127.64	39.92	-88.96	-2,277.29	-6,070.77	4,057.85	3,928.94	128.91	31.479		
11,500.00	7,091.13	7,149.50	7,018.77	130.38	39.92	-88.97	-2,277.30	-6,070.77	3,991.96	3,859.61	132.35	30.162		
11,600.00	7,090.26	7,149.97	7,019.24	133.12	39.92	-88.98	-2,277.31	-6,070.78	3,927.50	3,791.61	135.89	28.901		
11,700.00	7,089.38	7,150.44	7,019.71	135.86	39.92	-88.99	-2,277.31	-6,070.79	3,864.56	3,725.02	139.54	27.695		
11,800.00	7,088.50	7,150.91	7,020.18	138.61	39.92	-88.99	-2,277.32	-6,070.79	3,803.21	3,659.93	143.28	26.543		
11,900.00	7,087.63	7,151.37	7,020.64	141.36	39.92	-89.00	-2,277.33	-6,070.80	3,743.53	3,596.40	147.12	25.445		
12,000.00	7,086.75	7,151.83	7,021.10	144.12	39.92	-89.01	-2,277.33	-6,070.80	3,685.59	3,534.54	151.05	24.399		
12,100.00	7,085.87	7,152.29	7,021.56	146.88	39.93	-89.02	-2,277.34	-6,070.81	3,629.48	3,474.41	155.07	23.405		
12,200.00	7,084.99	7,152.74	7,022.01	149.64	39.93	-89.03	-2,277.35	-6,070.81	3,575.29	3,416.12	159.17	22.462		
12,300.00	7,084.12	7,153.19	7,022.46	152.40	39.93	-89.04	-2,277.35	-6,070.82	3,523.10	3,359.76	163.35	21.568		
12,400.00	7,083.24	7,153.64	7,022.91	155.17	39.93	-89.05	-2,277.36	-6,070.83	3,473.01	3,305.42	167.59	20.723		
12,500.00	7,082.36	7,154.09	7,023.36	157.94	39.93	-89.05	-2,277.37	-6,070.83	3,425.11	3,253.22	171.89	19.926		
12,600.00	7,081.48	7,154.53	7,023.80	160.71	39.93	-89.06	-2,277.37	-6,070.84	3,379.49	3,203.25	176.24	19.175		
12,700.00	7,080.61	7,154.97	7,024.24	163.49	39.93	-89.07	-2,277.38	-6,070.84	3,336.24	3,155.61	180.63	18.470		
12,800.00	7,079.73	7,155.41	7,024.68	166.27	39.94	-89.08	-2,277.39	-6,070.85	3,295.46	3,110.42	185.04	17.809		
12,900.00	7,078.85	7,155.85	7,025.12	169.04	39.94	-89.09	-2,277.39	-6,070.85	3,257.25	3,067.78	189.47	17.192		
13,000.00	7,077.97	7,156.28	7,025.55	171.83	39.94	-89.10	-2,277.40	-6,070.86	3,221.68	3,027.79	193.88	16.616		
13,100.00	7,077.10	7,156.71	7,025.98	174.61	39.94	-89.10	-2,277.41	-6,070.86	3,188.85	2,990.57	198.28	16.082		
13,200.00	7,076.22	7,157.14	7,026.41	177.39	39.94	-89.11	-2,277.41	-6,070.87	3,158.85	2,956.21	202.64	15.588		
13,300.00	7,075.34	7,157.56	7,026.83	180.18	39.94	-89.12	-2,277.42	-6,070.87	3,131.76	2,924.81	206.95	15.133		
13,400.00	7,074.46	7,157.99	7,027.26	182.97	39.94	-89.13	-2,277.43	-6,070.88	3,107.65	2,896.47	211.17	14.716		
13,500.00	7,073.59	7,158.41	7,027.68	185.76	39.95	-89.14	-2,277.43	-6,070.88	3,086.59	2,871.28	215.31	14.336		
13,600.00	7,072.71	7,158.83	7,028.09	188.55	39.95	-89.14	-2,277.44	-6,070.89	3,068.65	2,849.32	219.33	13.991		
13,700.00	7,071.83	7,159.24	7,028.51	191.34	39.95	-89.15	-2,277.44	-6,070.89	3,053.87	2,830.66	223.21	13.681		
13,800.00	7,070.95	7,159.65	7,028.92	194.14	39.95	-89.16	-2,277.45	-6,070.90	3,042.32	2,815.37	226.95	13.405		
13,900.00	7,070.08	7,160.07	7,029.33	196.93	39.95	-89.17	-2,277.46	-6,070.90	3,034.02	2,803.50	230.52	13.162		
14,000.00	7,069.20	7,160.47	7,029.74	199.73	39.95	-89.18	-2,277.46	-6,070.91	3,029.00	2,795.09	233.91	12.950		
14,100.00	7,068.32	7,160.88	7,030.15	202.53	39.95	-89.18	-2,277.47	-6,070.91	3,027.27	2,790.18	237.09	12.768		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,102.20	7,068.30	7,160.89	7,030.16	202.59	39.95	-89.18	-2,277.47	-6,070.91	3,027.27	2,790.11	237.16	12.765 CC		
14,200.00	7,067.45	7,161.29	7,030.55	205.33	39.95	-89.19	-2,277.47	-6,070.92	3,028.85	2,788.78	240.07	12.616 ES		
14,300.00	7,066.57	7,161.69	7,030.96	208.13	39.96	-89.20	-2,277.48	-6,070.92	3,033.73	2,790.90	242.83	12.493		
14,400.00	7,065.69	7,162.09	7,031.35	210.93	39.96	-89.21	-2,277.49	-6,070.93	3,041.89	2,796.53	245.36	12.398		
14,500.00	7,064.81	7,162.48	7,031.75	213.73	39.96	-89.21	-2,277.49	-6,070.93	3,053.30	2,805.64	247.65	12.329		
14,600.00	7,063.94	7,162.88	7,032.15	216.54	39.96	-89.22	-2,277.50	-6,070.94	3,067.93	2,818.22	249.71	12.286		
14,700.00	7,063.06	7,163.27	7,032.54	219.34	39.96	-89.23	-2,277.50	-6,070.94	3,085.73	2,834.20	251.53	12.268 SF		
14,800.00	7,062.18	7,163.66	7,032.93	222.15	39.96	-89.24	-2,277.51	-6,070.95	3,106.65	2,853.54	253.12	12.274		
14,900.00	7,061.30	7,164.05	7,033.32	224.95	39.96	-89.24	-2,277.52	-6,070.95	3,130.63	2,876.16	254.47	12.303		
15,000.00	7,060.43	7,164.44	7,033.71	227.76	39.96	-89.25	-2,277.52	-6,070.96	3,157.60	2,902.01	255.59	12.354		
15,100.00	7,059.55	7,164.82	7,034.09	230.57	39.97	-89.26	-2,277.53	-6,070.96	3,187.47	2,930.98	256.49	12.427		
15,200.00	7,058.67	7,165.20	7,034.47	233.38	39.97	-89.27	-2,277.53	-6,070.96	3,220.18	2,962.99	257.19	12.521		
15,300.00	7,057.79	7,165.58	7,034.85	236.19	39.97	-89.27	-2,277.54	-6,070.97	3,255.62	2,997.95	257.68	12.634		
15,400.00	7,056.92	7,165.96	7,035.23	239.00	39.97	-89.28	-2,277.54	-6,070.97	3,293.73	3,035.75	257.98	12.767		
15,500.00	7,056.04	7,166.34	7,035.60	241.81	39.97	-89.29	-2,277.55	-6,070.98	3,334.40	3,076.30	258.10	12.919		
15,600.00	7,055.16	7,166.71	7,035.98	244.62	39.97	-89.29	-2,277.55	-6,070.98	3,377.54	3,119.48	258.05	13.088		
15,700.00	7,054.28	7,167.08	7,036.35	247.43	39.97	-89.30	-2,277.56	-6,070.99	3,423.06	3,165.20	257.86	13.275		
15,800.00	7,053.41	7,167.45	7,036.72	250.25	39.97	-89.31	-2,277.57	-6,070.99	3,470.86	3,213.35	257.51	13.478		
15,846.35	7,053.00	7,167.62	7,036.89	251.55	39.98	-89.31	-2,277.57	-6,070.99	3,493.76	3,236.45	257.31	13.578		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	10.33	10.33	3.28	3.28	-104.60	-1,421.26	-5,457.82	5,639.84					
100.00	100.00	154.47	154.46	3.28	3.31	-104.60	-1,421.17	-5,456.73	5,638.99	5,632.39	6.60	854.947		
200.00	200.00	242.69	242.68	3.34	3.38	-104.60	-1,421.14	-5,456.04	5,638.22	5,631.50	6.72	839.025		
222.11	222.11	263.46	263.45	3.36	3.41	-149.12	-1,421.14	-5,455.90	5,638.15	5,631.38	6.76	833.804		
300.00	299.98	331.77	331.76	3.44	3.50	-149.12	-1,421.15	-5,455.47	5,639.10	5,632.16	6.94	812.513		
400.00	399.84	415.72	415.71	3.61	3.64	-149.10	-1,421.17	-5,455.18	5,643.27	5,636.03	7.24	779.444		
500.00	499.45	515.60	515.59	3.81	3.84	-149.07	-1,421.09	-5,455.01	5,650.56	5,642.91	7.65	738.608		
600.00	598.70	624.59	624.58	4.06	4.10	-149.03	-1,420.90	-5,454.65	5,660.67	5,652.51	8.16	693.793		
700.00	697.47	709.17	709.16	4.35	4.33	-148.97	-1,420.84	-5,454.44	5,673.87	5,665.20	8.67	654.562		
800.00	795.62	796.77	796.75	4.66	4.58	-148.88	-1,420.87	-5,454.40	5,690.25	5,681.02	9.23	616.315		
817.50	812.73	800.00	799.99	4.73	4.59	-148.85	-1,420.87	-5,454.40	5,693.45	5,684.15	9.30	611.965		
900.00	893.32	862.40	862.39	5.01	4.78	-148.93	-1,421.17	-5,454.53	5,708.95	5,699.18	9.77	584.558		
1,000.00	991.01	900.00	899.98	5.38	4.90	-148.97	-1,421.59	-5,454.72	5,728.37	5,718.14	10.23	559.838		
1,100.00	1,088.69	950.67	950.63	5.77	5.07	-149.04	-1,422.82	-5,455.29	5,748.68	5,737.92	10.76	534.181		
1,200.00	1,186.38	1,000.00	999.90	6.18	5.24	-149.11	-1,425.02	-5,456.33	5,770.15	5,758.84	11.30	510.544		
1,300.00	1,284.06	1,025.33	1,025.18	6.60	5.33	-149.16	-1,426.53	-5,457.03	5,792.56	5,780.79	11.78	491.848		
1,400.00	1,381.75	1,067.00	1,066.72	7.03	5.49	-149.23	-1,429.55	-5,458.35	5,815.98	5,803.66	12.32	472.053		
1,500.00	1,479.44	1,100.00	1,099.57	7.47	5.62	-149.29	-1,432.41	-5,459.55	5,840.34	5,827.51	12.84	454.967		
1,600.00	1,577.12	1,151.37	1,150.63	7.91	5.85	-149.39	-1,437.70	-5,461.66	5,865.60	5,852.15	13.45	436.160		
1,700.00	1,674.81	1,200.00	1,198.83	8.37	6.07	-149.50	-1,443.66	-5,463.91	5,891.78	5,877.73	14.05	419.276		
1,800.00	1,772.49	1,244.22	1,242.57	8.82	6.29	-149.60	-1,449.77	-5,466.12	5,918.80	5,904.14	14.66	403.817		
1,900.00	1,870.18	1,300.00	1,297.63	9.28	6.57	-149.73	-1,458.23	-5,469.07	5,946.57	5,931.25	15.32	388.141		
2,000.00	1,967.87	1,335.59	1,332.68	9.75	6.77	-149.82	-1,464.06	-5,471.11	5,975.16	5,959.26	15.90	375.864		
2,100.00	2,065.55	1,373.92	1,370.34	10.22	6.99	-149.92	-1,470.72	-5,473.54	6,004.69	5,988.20	16.49	364.185		
2,200.00	2,163.24	1,424.48	1,419.90	10.69	7.28	-150.05	-1,480.10	-5,477.05	6,035.11	6,017.96	17.15	351.883		
2,300.00	2,260.92	1,500.00	1,493.75	11.16	7.74	-150.25	-1,495.05	-5,482.23	6,066.00	6,048.04	17.96	337.675		
2,400.00	2,358.61	1,552.03	1,544.49	11.64	8.06	-150.40	-1,505.98	-5,485.84	6,097.43	6,078.77	18.66	326.845		
2,500.00	2,456.30	1,603.66	1,594.72	12.12	8.39	-150.55	-1,517.32	-5,489.62	6,129.57	6,110.23	19.35	316.851		
2,600.00	2,553.98	1,683.84	1,672.44	12.59	8.93	-150.79	-1,536.14	-5,495.39	6,162.20	6,141.97	20.23	304.565		
2,700.00	2,651.67	1,733.79	1,720.66	13.08	9.28	-150.95	-1,548.73	-5,498.84	6,195.28	6,174.34	20.94	295.840		
2,800.00	2,749.35	1,775.67	1,760.91	13.56	9.59	-151.08	-1,559.90	-5,501.86	6,229.18	6,207.58	21.60	288.403		
2,900.00	2,847.04	1,800.00	1,784.21	14.04	9.77	-151.17	-1,566.64	-5,503.67	6,263.95	6,241.82	22.13	283.066		
3,000.00	2,944.72	1,856.28	1,837.92	14.52	10.21	-151.36	-1,582.88	-5,508.06	6,299.47	6,276.56	22.91	274.973		
3,100.00	3,042.41	1,900.00	1,879.44	15.01	10.56	-151.51	-1,596.06	-5,511.70	6,335.87	6,312.28	23.59	268.568		
3,200.00	3,140.10	1,937.30	1,914.73	15.50	10.89	-151.64	-1,607.72	-5,514.93	6,373.07	6,348.83	24.24	262.934		
3,300.00	3,237.78	1,978.87	1,953.89	15.98	11.25	-151.79	-1,621.17	-5,518.63	6,411.06	6,386.15	24.92	257.306		
3,400.00	3,335.47	2,024.79	1,996.94	16.47	11.67	-151.96	-1,636.58	-5,522.83	6,449.82	6,424.18	25.64	251.561		
3,500.00	3,433.15	2,075.21	2,043.98	16.96	12.15	-152.16	-1,654.12	-5,527.46	6,489.24	6,462.83	26.41	245.716		
3,600.00	3,530.84	2,121.01	2,086.51	17.45	12.59	-152.33	-1,670.58	-5,531.69	6,529.32	6,502.17	27.14	240.546		
3,700.00	3,628.53	2,162.48	2,124.88	17.94	13.01	-152.50	-1,685.81	-5,535.66	6,570.13	6,542.29	27.84	235.968		
3,800.00	3,726.21	2,200.00	2,159.48	18.43	13.39	-152.64	-1,699.83	-5,539.38	6,611.69	6,583.19	28.50	231.982		
3,900.00	3,823.90	2,241.06	2,197.22	18.92	13.82	-152.81	-1,715.44	-5,543.63	6,654.00	6,624.80	29.20	227.867		
4,000.00	3,921.58	2,300.00	2,251.16	19.41	14.45	-153.04	-1,738.30	-5,550.07	6,697.16	6,667.09	30.07	222.698		
4,100.00	4,019.27	2,300.00	2,251.16	19.90	14.45	-153.04	-1,738.30	-5,550.07	6,740.96	6,710.60	30.36	222.057		
4,200.00	4,116.96	2,355.59	2,301.79	20.39	15.09	-153.26	-1,760.35	-5,556.49	6,785.47	6,754.27	31.21	217.435		
4,300.00	4,214.64	2,400.00	2,342.07	20.88	15.59	-153.44	-1,778.27	-5,561.84	6,830.75	6,798.81	31.94	213.887		
4,400.00	4,312.33	2,443.08	2,381.00	21.37	16.11	-153.62	-1,795.95	-5,567.13	6,876.67	6,844.00	32.67	210.520		
4,500.00	4,410.01	2,500.00	2,432.22	21.87	16.79	-153.85	-1,819.75	-5,574.15	6,923.16	6,889.62	33.54	206.429		
4,600.00	4,507.70	2,529.23	2,458.40	22.36	17.17	-153.97	-1,832.22	-5,577.80	6,970.26	6,936.14	34.12	204.261		
4,700.00	4,605.39	2,562.65	2,488.19	22.85	17.60	-154.11	-1,846.76	-5,582.03	7,018.10	6,983.34	34.75	201.945		
4,800.00	4,703.07	2,600.00	2,521.31	23.35	18.09	-154.27	-1,863.36	-5,586.85	7,066.66	7,031.24	35.42	199.513		
4,900.00	4,800.76	2,639.35	2,556.03	23.84	18.63	-154.43	-1,881.12	-5,592.00	7,115.88	7,079.75	36.13	196.963		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	2,684.50	2,595.76	24.33	19.25	-154.63	-1,901.72	-5,598.01	7,165.67	7,128.77	36.90	194.187		
5,100.00	4,996.13	2,789.03	2,687.72	24.83	20.70	-155.06	-1,949.40	-5,612.06	7,215.82	7,177.43	38.39	187.951		
5,200.00	5,093.82	2,924.91	2,808.45	25.32	22.51	-155.61	-2,009.00	-5,630.34	7,265.32	7,225.12	40.20	180.737		
5,300.00	5,191.50	2,964.74	2,843.96	25.82	23.03	-155.76	-2,026.17	-5,635.91	7,315.19	7,274.32	40.87	178.994		
5,400.00	5,289.19	3,258.68	3,108.62	26.31	26.66	-156.82	-2,146.92	-5,677.73	7,365.35	7,321.06	44.29	166.284		
5,500.00	5,386.87	3,691.65	3,506.56	26.81	31.07	-158.23	-2,309.67	-5,728.09	7,411.52	7,362.84	48.68	152.250		
5,600.00	5,484.56	3,700.00	3,514.28	27.30	31.15	-158.26	-2,312.75	-5,728.88	7,456.23	7,407.24	48.98	152.215		
5,700.00	5,582.25	3,741.72	3,552.68	27.80	31.57	-158.39	-2,328.52	-5,732.94	7,501.56	7,451.94	49.62	151.195		
5,800.00	5,679.93	3,763.11	3,572.24	28.29	31.79	-158.46	-2,336.90	-5,735.13	7,547.81	7,497.77	50.04	150.834		
5,900.00	5,777.62	3,800.00	3,605.76	28.79	32.16	-158.59	-2,351.80	-5,739.09	7,594.93	7,544.32	50.61	150.062		
6,000.00	5,875.30	3,800.00	3,605.76	29.28	32.16	-158.59	-2,351.80	-5,739.09	7,642.72	7,591.91	50.81	150.405		
6,100.00	5,972.99	3,848.32	3,649.41	29.78	32.71	-158.75	-2,371.78	-5,744.55	7,691.21	7,639.68	51.53	149.268		
6,200.00	6,070.67	3,900.00	3,695.97	30.27	33.31	-158.93	-2,393.38	-5,750.65	7,740.32	7,688.05	52.27	148.084		
6,300.00	6,168.36	3,934.72	3,727.18	30.77	33.72	-159.05	-2,407.99	-5,754.86	7,789.93	7,737.09	52.84	147.436		
6,400.00	6,266.05	3,987.02	3,774.13	31.26	34.35	-159.22	-2,430.13	-5,761.30	7,840.00	7,786.41	53.59	146.292		
6,500.00	6,363.73	4,243.57	4,006.36	31.76	37.27	-160.04	-2,534.46	-5,792.52	7,889.15	7,832.68	56.48	139.684		
6,534.50	6,397.43	4,256.95	4,018.62	31.93	37.41	-160.08	-2,539.56	-5,794.23	7,905.96	7,849.29	56.67	139.497		
6,550.00	6,412.60	4,262.99	4,024.14	32.01	37.48	-154.98	-2,541.86	-5,795.01	7,913.39	7,856.62	56.76	139.415		
6,600.00	6,461.82	4,300.00	4,058.00	32.24	37.87	-132.58	-2,555.98	-5,799.91	7,935.37	7,878.16	57.21	138.713		
6,650.00	6,511.25	4,300.00	4,058.00	32.45	37.87	-102.79	-2,555.98	-5,799.91	7,954.13	7,896.86	57.27	138.891		
6,700.00	6,560.58	4,325.10	4,080.94	32.64	38.15	-77.24	-2,565.58	-5,803.34	7,969.68	7,912.11	57.57	138.439		
6,750.00	6,609.51	4,347.30	4,101.20	32.83	38.40	-61.11	-2,574.10	-5,806.41	7,981.90	7,924.08	57.82	138.051		
6,800.00	6,657.74	4,369.45	4,121.40	33.01	38.65	-51.47	-2,582.64	-5,809.53	7,990.72	7,932.68	58.05	137.655		
6,850.00	6,704.97	4,400.00	4,149.23	33.18	39.00	-45.47	-2,594.47	-5,813.90	7,996.13	7,937.78	58.35	137.045		
6,900.00	6,750.90	4,428.15	4,174.84	33.36	39.32	-41.54	-2,605.44	-5,817.92	7,998.04	7,939.43	58.61	136.465		
6,950.00	6,795.26	4,473.43	4,215.97	33.54	39.85	-38.97	-2,623.28	-5,824.25	7,996.38	7,937.34	59.03	135.457		
7,000.00	6,837.77	4,513.31	4,252.14	33.73	40.31	-37.25	-2,639.19	-5,829.68	7,991.16	7,931.77	59.39	134.558		
7,050.00	6,878.17	4,545.91	4,281.65	33.92	40.69	-36.14	-2,652.33	-5,834.04	7,982.47	7,922.81	59.66	133.799		
7,100.00	6,916.21	4,576.99	4,309.74	34.13	41.06	-35.51	-2,664.99	-5,838.14	7,970.38	7,910.47	59.91	133.047		
7,150.00	6,951.66	4,600.00	4,330.51	34.36	41.33	-35.24	-2,674.43	-5,841.14	7,954.97	7,894.91	60.06	132.447		
7,200.00	6,984.29	4,624.41	4,352.51	34.61	41.62	-35.35	-2,684.52	-5,844.30	7,936.35	7,876.11	60.24	131.752		
7,250.00	7,013.91	4,642.86	4,369.11	34.89	41.85	-35.76	-2,692.21	-5,846.68	7,914.65	7,854.30	60.35	131.149		
7,300.00	7,040.34	4,659.83	4,384.36	35.20	42.05	-36.50	-2,699.33	-5,848.87	7,889.99	7,829.54	60.45	130.521		
7,350.00	7,063.40	4,675.24	4,398.18	35.55	42.24	-37.57	-2,705.83	-5,850.86	7,862.51	7,801.97	60.54	129.865		
7,400.00	7,082.97	4,700.00	4,420.37	35.94	42.54	-39.10	-2,716.36	-5,854.04	7,832.38	7,771.63	60.75	128.924		
7,450.00	7,098.91	4,700.00	4,420.37	36.36	42.54	-40.86	-2,716.36	-5,854.04	7,799.74	7,739.04	60.71	128.485		
7,500.00	7,111.13	4,714.78	4,433.60	36.83	42.72	-43.23	-2,722.66	-5,855.95	7,764.80	7,703.96	60.84	127.624		
7,550.00	7,119.55	4,725.93	4,443.58	37.34	42.86	-46.15	-2,727.40	-5,857.40	7,727.75	7,666.79	60.96	126.774		
7,600.00	7,124.13	4,734.70	4,451.44	37.88	42.97	-49.73	-2,731.13	-5,858.55	7,688.80	7,627.73	61.07	125.907		
7,639.68	7,125.00	4,739.91	4,456.11	38.33	43.03	-53.13	-2,733.34	-5,859.24	7,656.68	7,595.53	61.15	125.206		
7,700.00	7,124.48	4,746.67	4,462.17	39.05	43.12	-53.22	-2,736.20	-5,860.14	7,607.19	7,545.90	61.29	124.124		
7,800.00	7,123.60	4,758.01	4,472.33	40.40	43.26	-53.36	-2,741.00	-5,861.65	7,525.47	7,463.91	61.56	122.237		
7,900.00	7,122.72	4,769.52	4,482.65	41.90	43.40	-53.51	-2,745.86	-5,863.20	7,444.18	7,382.26	61.92	120.224		
8,000.00	7,121.84	4,781.22	4,493.14	43.54	43.55	-53.66	-2,750.79	-5,864.79	7,363.32	7,300.97	62.35	118.091		
8,100.00	7,120.97	4,793.09	4,503.79	45.30	43.69	-53.81	-2,755.78	-5,866.42	7,282.91	7,220.05	62.87	115.846		
8,200.00	7,120.09	4,800.00	4,509.99	47.17	43.78	-53.90	-2,758.68	-5,867.37	7,202.98	7,139.57	63.40	113.606		
8,300.00	7,119.21	4,800.00	4,509.99	49.13	43.78	-53.90	-2,758.68	-5,867.37	7,123.54	7,059.61	63.94	111.416		
8,400.00	7,118.33	4,819.17	4,527.17	51.18	44.02	-54.14	-2,766.74	-5,870.03	7,044.58	6,979.81	64.78	108.749		
8,500.00	7,117.46	4,827.16	4,534.33	53.30	44.13	-54.25	-2,770.11	-5,871.15	6,966.17	6,900.60	65.57	106.246		
8,600.00	7,116.58	4,835.20	4,541.53	55.48	44.23	-54.35	-2,773.51	-5,872.27	6,888.29	6,821.86	66.43	103.686		
8,700.00	7,115.70	4,843.30	4,548.77	57.72	44.33	-54.45	-2,776.94	-5,873.41	6,810.97	6,743.59	67.38	101.081		
8,800.00	7,114.82	4,851.44	4,556.06	60.02	44.44	-54.56	-2,780.40	-5,874.56	6,734.24	6,665.83	68.41	98.445		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	4,859.65	4,563.40	62.36	44.54	-54.66	-2,783.89	-5,875.71	6,658.10	6,588.59	69.51	95.788		
9,000.00	7,113.07	4,867.90	4,570.77	64.74	44.65	-54.77	-2,787.41	-5,876.89	6,582.58	6,511.90	70.69	93.122		
9,100.00	7,112.19	4,876.22	4,578.19	67.15	44.76	-54.88	-2,790.96	-5,878.07	6,507.71	6,435.76	71.94	90.459		
9,200.00	7,111.31	4,900.00	4,599.41	69.60	45.06	-55.18	-2,801.16	-5,881.47	6,433.53	6,360.06	73.47	87.567		
9,300.00	7,110.44	4,900.00	4,599.41	72.08	45.06	-55.18	-2,801.16	-5,881.47	6,359.97	6,285.21	74.76	85.070		
9,400.00	7,109.56	4,902.54	4,601.67	74.58	45.09	-55.22	-2,802.25	-5,881.84	6,287.15	6,210.99	76.16	82.556		
9,500.00	7,108.68	4,917.10	4,614.65	77.10	45.29	-55.40	-2,808.52	-5,883.94	6,215.06	6,137.27	77.78	79.904		
9,600.00	7,107.81	4,931.81	4,627.76	79.65	45.48	-55.59	-2,814.83	-5,886.07	6,143.71	6,064.23	79.48	77.298		
9,700.00	7,106.93	4,946.65	4,640.99	82.22	45.68	-55.79	-2,821.19	-5,888.23	6,073.13	5,991.88	81.25	74.746		
9,800.00	7,106.05	4,961.63	4,654.35	84.80	45.87	-55.98	-2,827.60	-5,890.43	6,003.35	5,920.26	83.09	72.249		
9,900.00	7,105.17	4,976.75	4,667.83	87.40	46.07	-56.17	-2,834.07	-5,892.66	5,934.40	5,849.40	85.00	69.813		
10,000.00	7,104.30	4,992.01	4,681.45	90.02	46.28	-56.37	-2,840.59	-5,894.92	5,866.30	5,779.32	86.99	67.439		
10,100.00	7,103.42	5,036.30	4,720.99	92.64	46.85	-56.95	-2,859.46	-5,901.41	5,799.07	5,709.62	89.45	64.829		
10,200.00	7,102.54	5,106.68	4,783.98	95.28	47.75	-57.86	-2,889.30	-5,911.11	5,732.62	5,640.25	92.37	62.064		
10,300.00	7,101.66	5,193.53	4,861.96	97.94	48.78	-59.00	-2,926.02	-5,921.79	5,666.95	5,571.35	95.60	59.276		
10,400.00	7,100.79	5,257.69	4,919.79	100.60	49.51	-59.85	-2,952.85	-5,929.01	5,602.14	5,503.56	98.58	56.826		
10,500.00	7,099.91	5,351.37	5,004.78	103.27	50.53	-61.09	-2,990.82	-5,939.55	5,475.32	5,371.06	104.26	52.514		
10,600.00	7,099.03	5,389.30	5,039.35	108.64	50.93	-61.59	-3,005.86	-5,943.78	5,413.43	5,306.35	107.09	50.552		
10,700.00	7,098.15	5,424.55	5,071.52	111.33	51.21	-61.93	-3,016.05	-5,946.69	5,293.00	5,180.79	112.21	47.169		
10,800.00	7,097.28	5,454.23	5,098.63	124.91	51.63	-62.45	-3,031.25	-5,951.30	5,066.97	4,943.93	123.04	41.180		
10,900.00	7,096.40	5,464.80	5,108.28	127.64	51.74	-62.59	-3,035.35	-5,952.60	5,013.80	4,887.88	125.92	39.817		
11,000.00	7,095.52	5,475.72	5,118.25	130.38	51.85	-62.74	-3,039.58	-5,953.98	4,962.04	4,833.18	128.86	38.506		
11,100.00	7,094.64	5,487.02	5,128.58	133.12	51.97	-62.89	-3,043.95	-5,955.42	4,911.74	4,779.87	131.87	37.246		
11,200.00	7,093.77	5,498.72	5,139.26	135.86	52.10	-63.04	-3,048.46	-5,956.95	4,862.95	4,728.00	134.95	36.036		
11,300.00	7,092.89	5,509.41	5,149.02	138.61	52.22	-63.18	-3,052.58	-5,958.36	4,815.70	4,677.64	138.06	34.880		
11,400.00	7,092.01	5,520.10	5,158.78	141.36	52.34	-63.32	-3,056.70	-5,959.79	4,770.06	4,628.82	141.24	33.774		
12,000.00	7,086.75	5,530.96	5,168.69	144.12	52.46	-63.47	-3,060.89	-5,961.25	4,726.05	4,581.59	144.47	32.714		
12,100.00	7,085.87	5,541.70	5,178.46	146.88	52.58	-63.61	-3,065.08	-5,962.70	4,682.99	4,543.66	151.33	30.945		
12,200.00	7,084.99	5,552.44	5,188.23	149.64	52.70	-63.75	-3,069.27	-5,964.15	4,644.93	4,505.73	158.19	29.111		
12,300.00	7,084.12	5,563.18	5,198.00	152.40	52.82	-63.89	-3,073.46	-5,965.60	4,606.87	4,467.79	165.05	27.437		
12,400.00	7,083.24	5,573.92	5,207.77	155.17	52.94	-64.03	-3,077.65	-5,967.05	4,568.81	4,429.73	171.91	25.803		
12,500.00	7,082.36	5,584.66	5,217.54	157.94	53.06	-64.17	-3,081.84	-5,968.50	4,530.75	4,391.67	178.77	24.169		
12,600.00	7,081.48	5,595.40	5,227.31	160.71	53.18	-64.31	-3,086.03	-5,969.95	4,492.69	4,353.61	185.63	22.535		
12,700.00	7,080.61	5,606.14	5,237.08	163.49	53.30	-64.45	-3,090.22	-5,971.40	4,454.63	4,315.55	192.49	20.901		
12,800.00	7,079.73	5,616.88	5,246.85	166.27	53.42	-64.59	-3,094.41	-5,972.85	4,416.57	4,277.49	199.35	19.267		
12,900.00	7,078.85	5,627.62	5,256.62	169.04	53.54	-64.73	-3,098.60	-5,974.30	4,378.51	4,239.43	206.21	17.633		
13,000.00	7,077.97	5,638.36	5,266.39	171.83	53.66	-64.87	-3,102.79	-5,975.75	4,340.45	4,201.37	213.07	16.000		
13,100.00	7,077.10	5,649.10	5,276.16	174.61	53.78	-65.01	-3,106.98	-5,977.20	4,302.39	4,163.31	219.93	14.366		
13,200.00	7,076.22	5,659.84	5,285.93	177.39	53.90	-65.15	-3,111.17	-5,978.65	4,264.33	4,125.25	226.79	12.732		
13,300.00	7,075.34	5,670.58	5,295.70	180.18	54.02	-65.29	-3,115.36	-5,980.10	4,226.27	4,087.19	233.65	11.098		
13,400.00	7,074.46	5,681.32	5,305.47	182.97	54.14	-65.43	-3,119.55	-5,981.55	4,188.21	4,049.13	240.51	9.464		
13,500.00	7,073.59	5,692.06	5,315.24	185.76	54.26	-65.57	-3,123.74	-5,983.00	4,150.15	4,011.07	247.37	7.830		
13,600.00	7,072.71	5,702.80	5,325.01	188.55	54.38	-65.71	-3,127.93	-5,984.45	4,112.09	3,973.01	254.23	6.196		
13,700.00	7,071.83	5,713.54	5,334.78	191.34	54.50	-65.85	-3,132.12	-5,985.90	4,074.03	3,934.95	261.09	4.562		
13,800.00	7,070.95	5,724.28	5,344.55	194.14	54.62	-65.99	-3,136.31	-5,987.35	4,035.97	3,896.89	267.95	2.928		
13,900.00	7,070.08	5,735.02	5,354.32	196.93	54.74	-66.13	-3,140.50	-5,988.80	4,000.00	3,858.83	274.81	1.294		
14,000.00	7,069.20	5,745.76	5,364.09	199.73	54.86	-66.27	-3,144.69	-5,990.25	3,962.04	3,820.77	281.67	0.000		

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 32C-6-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 32C-6-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	7,068.32	6,049.93	5,649.56	202.53	57.90	-70.36	-3,236.58	-6,044.59	4,232.67	4,007.84	224.83	18.826		
14,126.56	7,068.09	6,052.12	5,651.58	203.27	57.93	-70.39	-3,237.32	-6,045.03	4,232.59	4,006.86	225.73	18.750 CC		
14,200.00	7,067.45	6,058.23	5,657.19	205.33	58.00	-70.47	-3,239.38	-6,046.27	4,233.22	4,005.02	228.20	18.551		
14,300.00	7,066.57	6,066.63	5,664.90	208.13	58.10	-70.58	-3,242.23	-6,047.98	4,236.08	4,004.60	231.48	18.300		
14,400.00	7,065.69	6,100.00	5,695.43	210.93	58.50	-71.02	-3,253.81	-6,054.87	4,241.44	4,006.18	235.26	18.028		
14,500.00	7,064.81	14,500.00	5,723.23	213.73	164.60	-71.42	-3,263.99	-6,061.10	4,248.72	3,938.27	310.45	13.686 ES		
14,600.00	7,063.94	14,600.00	5,742.62	216.54	165.87	-71.70	-3,271.10	-6,065.44	4,258.23	3,942.21	316.02	13.474 SF		
14,700.00	7,063.06	6,232.66	5,817.59	219.34	60.07	-72.78	-3,297.96	-6,081.78	4,269.89	4,023.01	246.88	17.295		
14,800.00	7,062.18	6,246.82	5,830.76	222.15	60.22	-72.97	-3,302.51	-6,084.33	4,283.56	4,033.69	249.87	17.143		
14,900.00	7,061.30	6,259.85	5,842.89	224.95	60.36	-73.14	-3,306.69	-6,086.58	4,299.45	4,046.72	252.73	17.012		
15,000.00	7,060.43	6,271.86	5,854.09	227.76	60.48	-73.30	-3,310.55	-6,088.58	4,317.55	4,062.09	255.45	16.901		
15,100.00	7,059.55	6,282.98	5,864.47	230.57	60.60	-73.45	-3,314.12	-6,090.35	4,337.83	4,079.79	258.04	16.811		
15,200.00	7,058.67	6,300.00	5,880.38	233.38	60.78	-73.67	-3,319.58	-6,092.92	4,360.29	4,099.63	260.65	16.728		
15,300.00	7,057.79	6,300.00	5,880.38	236.19	60.78	-73.67	-3,319.58	-6,092.92	4,384.85	4,122.12	262.74	16.689		
15,400.00	7,056.92	6,313.86	5,893.34	239.00	60.91	-73.86	-3,324.04	-6,094.96	4,411.52	4,146.50	265.02	16.646		
15,500.00	7,056.04	6,324.45	5,903.24	241.81	61.01	-74.00	-3,327.46	-6,096.51	4,440.25	4,173.15	267.11	16.624		
15,600.00	7,055.16	6,335.03	5,913.14	244.62	61.11	-74.14	-3,330.89	-6,098.06	4,470.99	4,201.92	269.07	16.616		
15,700.00	7,054.28	6,345.61	5,923.02	247.43	61.21	-74.28	-3,334.33	-6,099.60	4,503.71	4,232.80	270.92	16.624		
15,800.00	7,053.41	6,356.18	5,932.89	250.25	61.31	-74.42	-3,337.77	-6,101.15	4,538.37	4,265.72	272.65	16.645		
15,846.35	7,053.00	6,361.08	5,937.47	251.55	61.36	-74.49	-3,339.37	-6,101.86	4,555.07	4,281.66	273.41	16.660		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	23.92	2,241.20	993.98	2,451.80					
100.00	100.00	79.36	79.36	3.28	3.28	23.92	2,241.22	994.05	2,451.78	2,445.21	6.57	373.228		
200.00	200.00	179.74	179.74	3.34	3.33	23.92	2,241.26	994.24	2,451.89	2,445.23	6.66	367.946		
300.00	299.98	278.64	278.64	3.44	3.42	-20.62	2,241.32	994.37	2,450.36	2,443.49	6.87	356.795		
400.00	399.84	377.09	377.08	3.61	3.57	-20.70	2,241.47	994.42	2,445.63	2,438.46	7.17	340.998		
500.00	499.45	475.54	475.54	3.81	3.75	-20.83	2,241.76	994.30	2,437.70	2,430.13	7.57	322.207		
600.00	598.70	571.89	571.89	4.06	3.97	-21.02	2,242.15	994.12	2,426.59	2,418.56	8.03	302.134		
700.00	697.47	671.87	671.87	4.35	4.22	-21.27	2,242.70	993.78	2,412.34	2,403.77	8.57	281.415		
800.00	795.62	773.93	773.92	4.66	4.51	-21.59	2,243.19	993.27	2,394.78	2,385.60	9.18	260.990		
817.50	812.73	791.76	791.75	4.73	4.57	-21.65	2,243.26	993.16	2,391.36	2,382.07	9.29	257.389		
900.00	893.32	871.66	871.65	5.01	4.81	-21.82	2,243.57	992.71	2,375.02	2,365.21	9.81	242.090		
1,000.00	991.01	967.64	967.63	5.38	5.12	-22.02	2,243.94	992.31	2,355.30	2,344.83	10.47	224.929		
1,100.00	1,088.69	1,192.16	1,192.04	5.77	5.89	-22.42	2,238.79	992.57	2,333.93	2,322.34	11.59	201.318		
1,200.00	1,186.38	1,452.30	1,450.85	6.18	7.00	-22.75	2,213.06	991.19	2,304.03	2,291.14	12.89	178.765		
1,300.00	1,284.06	1,300.00	1,672.49	6.60	6.27	-22.88	2,175.76	990.39	2,268.80	2,256.22	12.58	180.416		
1,400.00	1,381.75	1,874.42	1,864.47	7.03	9.39	-22.82	2,130.46	991.80	2,228.07	2,212.83	15.24	146.164		
1,500.00	1,479.44	1,985.95	1,972.31	7.47	10.11	-22.72	2,102.07	993.52	2,186.27	2,170.16	16.11	135.735		
1,600.00	1,577.12	2,142.86	2,123.05	7.91	11.19	-22.53	2,058.62	996.11	2,142.54	2,125.40	17.14	125.014		
1,700.00	1,674.81	2,283.02	2,256.72	8.37	12.19	-22.34	2,016.48	997.39	2,096.62	2,078.51	18.11	115.792		
1,800.00	1,772.49	2,475.36	2,437.11	8.82	13.74	-22.00	1,949.86	996.77	2,045.20	2,025.97	19.23	106.369		
1,900.00	1,870.18	2,718.79	2,660.14	9.28	16.02	-21.28	1,852.56	997.23	1,991.15	1,970.65	20.49	97.158		
2,000.00	1,967.87	2,801.13	2,734.02	9.75	16.88	-20.96	1,816.22	997.05	1,933.00	1,911.67	21.33	90.619		
2,100.00	2,065.55	2,839.08	2,768.29	10.22	17.23	-20.82	1,799.94	996.84	1,875.80	1,853.74	22.06	85.015		
2,200.00	2,163.24	2,878.93	2,804.70	10.69	17.60	-20.68	1,783.73	996.68	1,820.52	1,797.70	22.82	79.761		
2,300.00	2,260.92	2,300.00	2,894.72	11.16	12.44	-20.34	1,744.42	996.25	1,765.81	1,745.85	19.96	88.475		
2,400.00	2,358.61	3,084.82	2,992.60	11.64	19.50	-19.90	1,699.62	995.56	1,709.58	1,684.96	24.62	69.428		
2,500.00	2,456.30	3,144.11	3,046.66	12.12	20.03	-19.66	1,675.30	995.08	1,654.02	1,628.56	25.46	64.954		
2,600.00	2,553.98	3,201.82	3,099.79	12.59	20.53	-19.45	1,652.78	994.16	1,599.84	1,573.52	26.32	60.792		
2,700.00	2,651.67	3,306.94	3,196.69	13.08	21.41	-19.07	1,612.09	991.94	1,545.77	1,518.57	27.19	56.845		
2,800.00	2,749.35	3,389.86	3,273.00	13.56	22.11	-18.76	1,579.72	989.67	1,491.22	1,463.15	28.06	53.137		
2,900.00	2,847.04	3,450.39	3,328.89	14.04	22.59	-18.54	1,556.56	987.83	1,437.26	1,408.31	28.95	49.654		
3,000.00	2,944.72	3,512.71	3,386.85	14.52	23.08	-18.30	1,533.69	986.45	1,384.87	1,355.02	29.84	46.405		
3,100.00	3,042.41	3,596.77	3,465.13	15.01	23.72	-17.93	1,503.09	985.36	1,333.13	1,302.38	30.74	43.362		
3,200.00	3,140.10	3,680.22	3,542.79	15.50	24.36	-17.50	1,472.56	984.81	1,281.54	1,249.87	31.66	40.472		
3,300.00	3,237.78	3,772.57	3,628.60	15.98	25.07	-16.96	1,438.43	984.62	1,229.89	1,197.30	32.59	37.735		
3,400.00	3,335.47	3,868.62	3,717.38	16.47	25.84	-16.26	1,401.75	985.15	1,177.63	1,144.09	33.54	35.115		
3,500.00	3,433.15	3,965.00	3,806.01	16.96	26.64	-15.46	1,363.89	985.74	1,124.61	1,090.11	34.50	32.601		
3,600.00	3,530.84	4,062.30	3,894.90	17.45	27.48	-14.50	1,324.34	986.64	1,070.76	1,035.29	35.47	30.186		
3,700.00	3,628.53	4,145.00	3,970.34	17.94	28.19	-13.64	1,290.47	986.31	1,016.31	979.81	36.50	27.846		
3,800.00	3,726.21	4,223.89	4,042.78	18.43	28.85	-12.84	1,259.26	985.02	962.59	925.04	37.54	25.640		
3,900.00	3,823.90	4,315.41	4,126.74	18.92	29.61	-11.82	1,222.87	983.13	908.70	870.18	38.53	23.587		
4,000.00	3,921.58	4,393.86	4,198.71	19.41	30.27	-10.84	1,191.71	981.40	854.97	815.34	39.62	21.577		
4,100.00	4,019.27	4,479.76	4,277.55	19.90	30.98	-9.65	1,157.69	979.34	801.47	760.77	40.70	19.694		
4,200.00	4,116.96	4,584.42	4,373.05	20.39	31.89	-7.93	1,114.97	976.27	747.14	705.53	41.62	17.953		
4,300.00	4,214.64	4,667.11	4,447.82	20.88	32.65	-6.30	1,079.79	973.24	691.49	648.67	42.82	16.150		
4,400.00	4,312.33	4,742.59	4,516.30	21.37	33.32	-4.61	1,048.20	970.34	636.71	592.53	44.18	14.413		
4,500.00	4,410.01	4,816.04	4,583.53	21.87	33.94	-2.85	1,018.77	967.17	583.49	537.86	45.64	12.786		
4,600.00	4,507.70	4,887.76	4,649.75	22.36	34.51	-0.92	991.38	964.46	532.47	485.25	47.22	11.276		
4,700.00	4,605.39	4,964.75	4,721.35	22.85	35.08	1.46	963.16	962.31	483.82	434.97	48.85	9.905		
4,800.00	4,703.07	5,044.13	4,795.52	23.35	35.65	4.34	934.91	960.75	437.35	386.77	50.58	8.646		
4,900.00	4,800.76	5,123.25	4,869.89	23.84	36.18	7.66	907.93	959.46	393.35	340.87	52.48	7.495		
5,000.00	4,898.44	5,200.21	4,942.92	24.33	36.66	11.33	883.69	958.99	353.16	298.61	54.55	6.474		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,279.61	5,019.27	24.83	37.07	15.37	861.94	959.01	317.59	260.99	56.61	5.611		
5,200.00	5,093.82	5,365.56	5,103.01	25.32	37.45	19.86	842.58	959.00	286.42	227.92	58.50	4.896		
5,300.00	5,191.50	5,455.60	5,191.43	25.82	37.80	24.80	825.60	958.69	258.64	198.35	60.29	4.290		
5,400.00	5,289.19	5,547.84	5,282.52	26.31	38.12	30.19	811.16	958.00	233.82	171.86	61.96	3.774		
5,500.00	5,386.87	5,641.89	5,375.74	26.81	38.42	36.20	798.69	957.15	211.89	148.39	63.49	3.337		
5,600.00	5,484.56	5,737.39	5,470.59	27.30	38.72	43.06	787.56	955.95	192.61	127.77	64.84	2.970		
5,700.00	5,582.25	5,833.48	5,566.20	27.80	39.00	50.70	778.17	954.36	176.21	110.31	65.90	2.674		
5,800.00	5,679.93	5,930.27	5,662.70	28.29	39.28	58.94	770.95	952.57	162.94	96.40	66.54	2.449		
5,900.00	5,777.62	6,027.49	5,759.71	28.79	39.55	67.95	765.10	950.48	152.91	86.25	66.66	2.294		
6,000.00	5,875.30	6,124.89	5,856.97	29.28	39.82	77.56	760.31	948.20	146.56	80.36	66.20	2.214		
6,100.00	5,972.99	6,223.56	5,955.55	29.78	40.09	87.44	756.90	945.79	143.80	78.57	65.23	2.204 ES, SF		
6,187.73	6,058.69	6,312.30	6,044.25	30.21	40.33	95.92	756.20	943.29	143.12	78.98	64.13	2.232 CC		
6,200.00	6,070.67	6,323.84	6,055.79	30.27	40.36	96.98	756.25	942.99	143.17	79.16	64.01	2.237		
6,300.00	6,168.36	6,421.88	6,153.79	30.77	40.63	105.48	757.65	941.07	145.10	82.13	62.97	2.304		
6,400.00	6,266.05	6,518.95	6,250.84	31.26	40.90	113.37	759.24	939.49	150.15	87.95	62.20	2.414		
6,500.00	6,363.73	6,615.56	6,347.43	31.76	41.17	120.80	759.94	937.61	158.77	96.99	61.78	2.570		
6,534.50	6,397.43	6,650.34	6,382.20	31.93	41.26	123.24	760.30	937.02	162.27	100.56	61.70	2.630		
6,550.00	6,412.60	6,666.04	6,397.90	32.01	41.31	129.17	760.55	936.80	163.88	102.18	61.70	2.656		
6,600.00	6,461.82	6,716.01	6,447.85	32.24	41.45	153.37	761.68	936.27	169.40	107.55	61.85	2.739		
6,650.00	6,511.25	6,763.92	6,495.75	32.45	41.58	-176.35	762.52	935.75	175.75	113.54	62.21	2.825		
6,700.00	6,560.58	6,811.83	6,543.66	32.64	41.72	-151.18	762.90	935.14	182.99	120.31	62.68	2.919		
6,750.00	6,609.51	6,859.85	6,591.68	32.83	41.86	-136.37	762.98	934.64	191.03	127.75	63.27	3.019		
6,800.00	6,657.74	6,907.48	6,639.30	33.01	41.99	-128.80	762.85	934.36	200.08	136.07	64.01	3.126		
6,850.00	6,704.97	6,956.42	6,688.25	33.18	42.13	-125.53	762.86	934.02	210.17	145.30	64.87	3.240		
6,900.00	6,750.90	7,004.28	6,736.10	33.36	42.27	-124.65	763.20	933.52	221.58	155.70	65.88	3.364		
6,950.00	6,795.26	7,050.14	6,781.95	33.54	42.40	-125.07	763.76	932.84	234.90	167.89	67.02	3.505		
7,000.00	6,837.77	7,094.46	6,826.25	33.73	42.53	-126.22	764.46	931.99	250.65	182.43	68.23	3.674		
7,050.00	6,878.17	7,136.73	6,868.51	33.92	42.66	-127.63	765.27	931.01	269.22	199.76	69.45	3.876		
7,100.00	6,916.21	7,176.83	6,908.58	34.13	42.77	-129.04	766.15	929.96	290.87	220.24	70.63	4.118		
7,150.00	6,951.66	7,214.32	6,946.04	34.36	42.88	-130.20	767.07	928.87	315.74	244.02	71.72	4.403		
7,200.00	6,984.29	7,248.73	6,980.43	34.61	42.98	-130.92	768.01	927.85	343.87	271.19	72.68	4.731		
7,250.00	7,013.91	7,280.15	7,011.83	34.89	43.08	-131.12	768.93	926.91	375.17	301.66	73.51	5.103		
7,300.00	7,040.34	7,308.70	7,040.35	35.20	43.16	-130.70	769.83	926.05	409.43	335.23	74.20	5.518		
7,350.00	7,063.40	7,334.68	7,066.30	35.55	43.24	-129.59	770.69	925.20	446.36	371.60	74.76	5.971		
7,400.00	7,082.97	7,350.00	7,081.60	35.94	43.28	-126.45	771.21	924.66	485.70	410.43	75.27	6.453		
7,450.00	7,098.91	7,350.00	7,081.60	36.36	43.28	-119.89	771.21	924.66	527.60	451.90	75.70	6.970		
7,500.00	7,111.13	7,350.00	7,081.60	36.83	43.28	-111.84	771.21	924.66	571.47	495.50	75.98	7.521		
7,550.00	7,119.55	7,350.00	7,081.60	37.34	43.28	-102.34	771.21	924.66	616.65	540.48	76.17	8.096		
7,600.00	7,124.13	7,350.00	7,081.60	37.88	43.28	-91.78	771.21	924.66	662.61	586.31	76.31	8.684		
7,639.68	7,125.00	7,350.00	7,081.60	38.33	43.28	-83.14	771.21	924.66	699.38	622.98	76.39	9.155		
7,700.00	7,124.48	7,350.00	7,081.60	39.05	43.28	-83.14	771.21	924.66	755.69	679.19	76.49	9.879		
7,800.00	7,123.60	7,350.00	7,081.60	40.40	43.28	-83.14	771.21	924.66	850.26	773.65	76.61	11.098		
7,900.00	7,122.72	7,350.00	7,081.60	41.90	43.28	-83.14	771.21	924.66	945.95	869.26	76.68	12.336		
8,000.00	7,121.84	7,350.00	7,081.60	43.54	43.28	-83.14	771.21	924.66	1,042.44	965.71	76.73	13.586		
8,100.00	7,120.97	7,350.00	7,081.60	45.30	43.28	-83.14	771.21	924.66	1,139.54	1,062.78	76.76	14.846		
8,200.00	7,120.09	7,350.00	7,081.60	47.17	43.28	-83.14	771.21	924.66	1,237.11	1,160.33	76.78	16.112		
8,300.00	7,119.21	7,350.00	7,081.60	49.13	43.28	-83.14	771.21	924.66	1,335.03	1,258.23	76.79	17.384		
8,400.00	7,118.33	7,350.00	7,081.60	51.18	43.28	-83.14	771.21	924.66	1,433.24	1,356.43	76.81	18.661		
8,500.00	7,117.46	7,350.00	7,081.60	53.30	43.28	-83.14	771.21	924.66	1,531.68	1,454.87	76.81	19.940		
8,600.00	7,116.58	7,350.00	7,081.60	55.48	43.28	-83.14	771.21	924.66	1,630.31	1,553.49	76.82	21.222		
8,700.00	7,115.70	7,350.00	7,081.60	57.72	43.28	-83.14	771.21	924.66	1,729.10	1,652.27	76.83	22.505		
8,800.00	7,114.82	7,350.00	7,081.60	60.02	43.28	-83.14	771.21	924.66	1,828.02	1,751.18	76.84	23.791		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	7,350.00	7,081.60	62.36	43.28	-83.14	771.21	924.66	1,927.05	1,850.21	76.85	25.077		
9,000.00	7,113.07	7,350.00	7,081.60	64.74	43.28	-83.14	771.21	924.66	2,026.18	1,949.33	76.86	26.364		
9,100.00	7,112.19	7,350.00	7,081.60	67.15	43.28	-83.14	771.21	924.66	2,125.39	2,048.53	76.87	27.651		
9,200.00	7,111.31	7,350.00	7,081.60	69.60	43.28	-83.14	771.21	924.66	2,224.67	2,147.79	76.88	28.938		
9,300.00	7,110.44	7,350.00	7,081.60	72.08	43.28	-83.14	771.21	924.66	2,324.01	2,247.12	76.89	30.226		
9,400.00	7,109.56	7,350.00	7,081.60	74.58	43.28	-83.14	771.21	924.66	2,423.41	2,346.51	76.90	31.513		
9,500.00	7,108.68	7,350.00	7,081.60	77.10	43.28	-83.14	771.21	924.66	2,522.85	2,445.94	76.92	32.800		
9,600.00	7,107.81	7,350.00	7,081.60	79.65	43.28	-83.14	771.21	924.66	2,622.34	2,545.41	76.93	34.087		
9,700.00	7,106.93	7,350.00	7,081.60	82.22	43.28	-83.14	771.21	924.66	2,721.86	2,644.91	76.95	35.373		
9,800.00	7,106.05	7,350.00	7,081.60	84.80	43.28	-83.14	771.21	924.66	2,821.42	2,744.45	76.97	36.658		
9,900.00	7,105.17	7,350.00	7,081.60	87.40	43.28	-83.14	771.21	924.66	2,921.00	2,844.02	76.98	37.943		
10,000.00	7,104.30	7,350.00	7,081.60	90.02	43.28	-83.14	771.21	924.66	3,020.62	2,943.61	77.00	39.226		
10,100.00	7,103.42	7,350.00	7,081.60	92.64	43.28	-83.14	771.21	924.66	3,120.26	3,043.23	77.03	40.509		
10,200.00	7,102.54	7,350.00	7,081.60	95.28	43.28	-83.14	771.21	924.66	3,219.92	3,142.87	77.05	41.790		
10,300.00	7,101.66	7,350.00	7,081.60	97.94	43.28	-83.14	771.21	924.66	3,319.60	3,242.53	77.07	43.071		
10,400.00	7,100.79	7,350.00	7,081.60	100.60	43.28	-83.14	771.21	924.66	3,419.30	3,342.20	77.10	44.350		
10,500.00	7,099.91	7,350.00	7,081.60	103.27	43.28	-83.14	771.21	924.66	3,519.02	3,441.90	77.12	45.628		
10,600.00	7,099.03	7,350.00	7,081.60	105.95	43.28	-83.14	771.21	924.66	3,618.75	3,541.60	77.15	46.904		
10,700.00	7,098.15	7,350.00	7,081.60	108.64	43.28	-83.14	771.21	924.66	3,718.50	3,641.32	77.18	48.179		
10,800.00	7,097.28	7,350.00	7,081.60	111.33	43.28	-83.14	771.21	924.66	3,818.26	3,741.05	77.21	49.452		
10,900.00	7,096.40	7,350.00	7,081.60	114.04	43.28	-83.14	771.21	924.66	3,918.03	3,840.79	77.24	50.724		
11,000.00	7,095.52	7,350.00	7,081.60	116.74	43.28	-83.14	771.21	924.66	4,017.82	3,940.55	77.27	51.994		
11,100.00	7,094.64	7,350.00	7,081.60	119.46	43.28	-83.14	771.21	924.66	4,117.61	4,040.31	77.31	53.263		
11,200.00	7,093.77	7,350.00	7,081.60	122.18	43.28	-83.14	771.21	924.66	4,217.42	4,140.08	77.34	54.530		
11,300.00	7,092.89	7,350.00	7,081.60	124.91	43.28	-83.14	771.21	924.66	4,317.23	4,239.85	77.38	55.795		
11,400.00	7,092.01	7,350.00	7,081.60	127.64	43.28	-83.14	771.21	924.66	4,417.05	4,339.64	77.41	57.058		
11,500.00	7,091.13	7,350.00	7,081.60	130.38	43.28	-83.14	771.21	924.66	4,516.88	4,439.43	77.45	58.319		
11,600.00	7,090.26	7,350.00	7,081.60	133.12	43.28	-83.14	771.21	924.66	4,616.72	4,539.23	77.49	59.578		
11,700.00	7,089.38	7,350.00	7,081.60	135.86	43.28	-83.14	771.21	924.66	4,716.56	4,639.03	77.53	60.835		
11,800.00	7,088.50	7,350.00	7,081.60	138.61	43.28	-83.14	771.21	924.66	4,816.41	4,738.84	77.57	62.090		
11,900.00	7,087.63	7,350.00	7,081.60	141.36	43.28	-83.14	771.21	924.66	4,916.27	4,838.66	77.61	63.343		
12,000.00	7,086.75	7,350.00	7,081.60	144.12	43.28	-83.14	771.21	924.66	5,016.13	4,938.48	77.66	64.594		
12,100.00	7,085.87	7,350.00	7,081.60	146.88	43.28	-83.14	771.21	924.66	5,116.00	5,038.30	77.70	65.842		
12,200.00	7,084.99	7,350.00	7,081.60	149.64	43.28	-83.14	771.21	924.66	5,215.87	5,138.13	77.75	67.089		
12,300.00	7,084.12	7,350.00	7,081.60	152.40	43.28	-83.14	771.21	924.66	5,315.75	5,237.96	77.79	68.333		
12,400.00	7,083.24	7,350.00	7,081.60	155.17	43.28	-83.14	771.21	924.66	5,415.63	5,337.79	77.84	69.574		
12,500.00	7,082.36	7,350.00	7,081.60	157.94	43.28	-83.14	771.21	924.66	5,515.52	5,437.63	77.89	70.814		
12,600.00	7,081.48	7,350.00	7,081.60	160.71	43.28	-83.14	771.21	924.66	5,615.41	5,537.47	77.94	72.051		
12,700.00	7,080.61	7,350.00	7,081.60	163.49	43.28	-83.14	771.21	924.66	5,715.30	5,637.32	77.99	73.285		
12,800.00	7,079.73	7,350.00	7,081.60	166.27	43.28	-83.14	771.21	924.66	5,815.20	5,737.16	78.04	74.517		
12,900.00	7,078.85	7,350.00	7,081.60	169.04	43.28	-83.14	771.21	924.66	5,915.10	5,837.01	78.09	75.746		
13,000.00	7,077.97	7,350.00	7,081.60	171.83	43.28	-83.14	771.21	924.66	6,015.01	5,936.86	78.14	76.973		
13,100.00	7,077.10	7,350.00	7,081.60	174.61	43.28	-83.14	771.21	924.66	6,114.92	6,036.72	78.20	78.197		
13,200.00	7,076.22	7,350.00	7,081.60	177.39	43.28	-83.14	771.21	924.66	6,214.83	6,136.57	78.25	79.419		
13,300.00	7,075.34	7,350.00	7,081.60	180.18	43.28	-83.14	771.21	924.66	6,314.74	6,236.43	78.31	80.638		
13,400.00	7,074.46	7,350.00	7,081.60	182.97	43.28	-83.14	771.21	924.66	6,414.66	6,336.29	78.37	81.854		
13,500.00	7,073.59	7,350.00	7,081.60	185.76	43.28	-83.14	771.21	924.66	6,514.58	6,436.15	78.43	83.067		
13,600.00	7,072.71	7,350.00	7,081.60	188.55	43.28	-83.14	771.21	924.66	6,614.50	6,536.01	78.48	84.278		
13,700.00	7,071.83	7,350.00	7,081.60	191.34	43.28	-83.14	771.21	924.66	6,714.42	6,635.88	78.54	85.485		
13,800.00	7,070.95	7,350.00	7,081.60	194.14	43.28	-83.14	771.21	924.66	6,814.35	6,735.74	78.61	86.690		
13,900.00	7,070.08	7,350.00	7,081.60	196.93	43.28	-83.14	771.21	924.66	6,914.27	6,835.61	78.67	87.892		
14,000.00	7,069.20	7,350.00	7,081.60	199.73	43.28	-83.14	771.21	924.66	7,014.20	6,935.47	78.73	89.091		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,068.32	7,350.00	7,081.60	202.53	43.28	-83.14	771.21	924.66	7,114.14	7,035.34	78.79	90.288		
14,200.00	7,067.45	7,350.00	7,081.60	205.33	43.28	-83.14	771.21	924.66	7,214.07	7,135.21	78.86	91.481		
14,300.00	7,066.57	7,350.00	7,081.60	208.13	43.28	-83.14	771.21	924.66	7,314.01	7,235.08	78.92	92.671		
14,400.00	7,065.69	7,350.00	7,081.60	210.93	43.28	-83.14	771.21	924.66	7,413.94	7,334.95	78.99	93.858		
14,500.00	7,064.81	7,350.00	7,081.60	213.73	43.28	-83.14	771.21	924.66	7,513.88	7,434.82	79.06	95.043		
14,600.00	7,063.94	7,350.00	7,081.60	216.54	43.28	-83.14	771.21	924.66	7,613.82	7,534.70	79.13	96.224		
14,700.00	7,063.06	7,350.00	7,081.60	219.34	43.28	-83.14	771.21	924.66	7,713.76	7,634.57	79.20	97.402		
14,800.00	7,062.18	7,350.00	7,081.60	222.15	43.28	-83.14	771.21	924.66	7,813.71	7,734.44	79.27	98.576		
14,900.00	7,061.30	7,350.00	7,081.60	224.95	43.28	-83.14	771.21	924.66	7,913.65	7,834.32	79.34	99.748		
15,000.00	7,060.43	7,350.00	7,081.60	227.76	43.28	-83.14	771.21	924.66	8,013.60	7,934.19	79.41	100.917		
15,100.00	7,059.55	7,350.00	7,081.60	230.57	43.28	-83.14	771.21	924.66	8,113.55	8,034.07	79.48	102.082		
15,200.00	7,058.67	7,350.00	7,081.60	233.38	43.28	-83.14	771.21	924.66	8,213.50	8,133.94	79.55	103.244		
15,300.00	7,057.79	7,350.00	7,081.60	236.19	43.28	-83.14	771.21	924.66	8,313.45	8,233.82	79.63	104.403		
15,400.00	7,056.92	7,350.00	7,081.60	239.00	43.28	-83.14	771.21	924.66	8,413.40	8,333.70	79.70	105.559		
15,500.00	7,056.04	7,350.00	7,081.60	241.81	43.28	-83.14	771.21	924.66	8,513.35	8,433.57	79.78	106.711		
15,600.00	7,055.16	7,350.00	7,081.60	244.62	43.28	-83.14	771.21	924.66	8,613.30	8,533.45	79.86	107.861		
15,700.00	7,054.28	7,350.00	7,081.60	247.43	43.28	-83.14	771.21	924.66	8,713.26	8,633.33	79.93	109.006		
15,800.00	7,053.41	7,350.00	7,081.60	250.25	43.28	-83.14	771.21	924.66	8,813.22	8,733.20	80.01	110.149		
15,846.35	7,053.00	7,350.00	7,081.60	251.55	43.28	-83.14	771.21	924.66	8,859.54	8,779.50	80.05	110.677		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	2,177.60	2,076.25	3.28	27.72	94.18	-376.27	5,144.32	5,579.12					
100.00	100.00	2,231.25	2,124.34	3.28	28.94	94.04	-361.57	5,125.61	5,541.26	5,519.90	21.35	259.488		
200.00	200.00	2,271.10	2,160.02	3.34	29.84	93.92	-349.97	5,112.18	5,504.28	5,482.34	21.93	250.962		
300.00	299.98	2,329.28	2,212.09	3.44	31.12	49.83	-332.29	5,093.21	5,467.13	5,444.32	22.81	239.705		
400.00	399.84	2,572.39	2,431.33	3.61	36.52	49.96	-269.67	5,009.00	5,426.71	5,400.74	25.97	208.998		
500.00	499.45	2,860.84	2,685.82	3.81	44.06	50.04	-185.43	4,902.82	5,382.37	5,351.93	30.44	176.834		
600.00	598.70	2,900.00	2,719.57	4.06	45.22	50.79	-172.34	4,887.87	5,333.87	5,302.53	31.34	170.167		
700.00	697.47	2,946.80	2,760.12	4.35	46.50	51.57	-156.94	4,870.30	5,284.15	5,251.78	32.36	163.278		
800.00	795.62	3,000.00	2,806.89	4.66	47.96	52.40	-140.36	4,851.13	5,233.79	5,200.29	33.50	156.220		
817.50	812.73	3,000.00	2,806.89	4.73	47.96	52.57	-140.36	4,851.13	5,224.79	5,191.24	33.56	155.705		
900.00	893.32	3,000.00	2,806.89	5.01	47.96	52.57	-140.36	4,851.13	5,182.82	5,149.04	33.78	153.436		
1,000.00	991.01	3,041.92	2,844.16	5.38	48.93	52.51	-127.87	4,836.54	5,132.87	5,098.20	34.67	148.059		
1,100.00	1,088.69	3,100.00	2,896.20	5.77	50.28	52.44	-111.18	4,816.90	5,083.85	5,048.03	35.81	141.964		
1,200.00	1,186.38	3,225.78	3,008.82	6.18	53.15	52.29	-75.36	4,773.85	5,034.65	4,996.79	37.86	132.971		
1,300.00	1,284.06	3,281.53	3,058.85	6.60	54.42	52.24	-60.11	4,754.56	4,985.23	4,946.25	38.97	127.909		
1,400.00	1,381.75	3,300.00	3,075.50	7.03	54.84	52.22	-55.24	4,748.22	4,936.58	4,896.96	39.62	124.603		
1,500.00	1,479.44	3,347.10	3,118.26	7.47	55.76	52.18	-43.32	4,732.46	4,888.73	4,848.18	40.55	120.556		
1,600.00	1,577.12	3,400.00	3,166.86	7.91	56.80	52.15	-30.84	4,715.72	4,842.26	4,800.70	41.56	116.523		
1,700.00	1,674.81	3,431.64	3,196.08	8.37	57.36	52.14	-23.60	4,705.97	4,796.47	4,754.15	42.32	113.349		
1,800.00	1,772.49	3,542.30	3,297.81	8.82	59.36	52.07	2.76	4,671.32	4,750.51	4,706.61	43.90	108.221		
1,900.00	1,870.18	3,600.00	3,350.74	9.28	60.41	52.02	17.19	4,653.44	4,704.82	4,659.84	44.98	104.598		
2,000.00	1,967.87	3,663.80	3,409.49	9.75	61.51	51.97	32.69	4,633.99	4,659.67	4,613.58	46.09	101.095		
2,100.00	2,065.55	3,700.00	3,443.03	10.22	62.14	51.96	40.84	4,623.09	4,615.23	4,568.30	46.94	98.332		
2,200.00	2,163.24	3,754.41	3,493.74	10.69	62.96	51.94	52.45	4,607.14	4,571.60	4,523.73	47.87	95.493		
2,300.00	2,260.92	4,300.00	3,988.41	11.16	74.57	51.49	186.83	4,423.46	4,519.75	4,465.29	54.46	82.997		
2,400.00	2,358.61	4,300.00	3,988.41	11.64	74.57	51.49	186.83	4,423.46	4,468.65	4,413.62	55.04	81.192		
2,500.00	2,456.30	4,357.82	4,039.17	12.12	76.01	51.38	205.32	4,402.86	4,418.06	4,361.57	56.50	78.201		
2,600.00	2,553.98	4,400.00	4,076.71	12.59	77.06	51.30	218.33	4,388.69	4,369.03	4,311.30	57.72	75.688		
2,700.00	2,651.67	4,400.00	4,076.71	13.08	77.06	51.30	218.33	4,388.69	4,321.11	4,262.79	58.32	74.094		
2,800.00	2,749.35	4,456.67	4,127.73	13.56	78.20	51.20	235.03	4,370.54	4,274.12	4,214.50	59.62	71.685		
2,900.00	2,847.04	4,500.00	4,167.15	14.04	79.08	51.14	247.09	4,357.21	4,228.29	4,167.53	60.76	69.591		
3,000.00	2,944.72	4,624.01	4,280.06	14.52	81.44	50.96	281.26	4,318.97	4,182.51	4,119.72	62.79	66.609		
3,100.00	3,042.41	4,715.70	4,363.51	15.01	83.23	50.83	306.28	4,290.38	4,136.46	4,072.00	64.46	64.166		
3,200.00	3,140.10	4,851.40	4,486.80	15.50	85.95	50.65	342.19	4,246.51	4,089.26	4,022.64	66.62	61.381		
3,300.00	3,237.78	5,134.77	4,740.88	15.98	92.45	50.20	420.58	4,148.68	4,040.34	3,969.59	70.75	57.111		
3,400.00	3,335.47	5,281.87	4,870.47	16.47	96.38	49.92	463.04	4,093.54	3,988.31	3,914.84	73.47	54.282		
3,500.00	3,433.15	5,356.05	4,935.76	16.96	98.38	49.78	483.85	4,065.14	3,935.67	3,860.47	75.20	52.334		
3,600.00	3,530.84	5,429.71	5,001.04	17.45	100.34	49.66	503.40	4,037.15	3,883.44	3,806.56	76.88	50.511		
3,700.00	3,628.53	5,576.27	5,131.15	17.94	104.19	49.46	540.28	3,980.69	3,831.05	3,751.77	79.28	48.321		
3,800.00	3,726.21	5,645.25	5,192.51	18.43	105.97	49.39	555.64	3,953.17	3,777.51	3,696.79	80.72	46.796		
3,900.00	3,823.90	5,700.00	5,241.71	18.92	107.36	49.37	566.48	3,931.75	3,724.76	3,642.77	81.99	45.430		
4,000.00	3,921.58	5,733.86	5,272.38	19.41	108.09	49.36	572.69	3,918.81	3,672.91	3,589.90	83.02	44.243		
4,100.00	4,019.27	5,772.13	5,307.27	19.90	108.92	49.36	579.42	3,904.61	3,622.19	3,538.13	84.06	43.089		
4,200.00	4,116.96	6,000.00	5,513.32	20.39	114.29	49.31	620.68	3,816.65	3,569.57	3,483.37	86.21	41.406		
4,300.00	4,214.64	6,047.57	5,555.92	20.88	115.40	49.30	629.31	3,797.34	3,515.98	3,428.64	87.34	40.256		
4,400.00	4,312.33	6,100.00	5,603.82	21.37	116.64	49.32	637.31	3,777.57	3,464.40	3,375.94	88.46	39.163		
4,500.00	4,410.01	6,100.00	5,603.82	21.87	116.64	49.32	637.31	3,777.57	3,413.63	3,324.26	89.36	38.200		
4,600.00	4,507.70	6,100.00	5,603.82	22.36	116.64	49.32	637.31	3,777.57	3,365.06	3,274.83	90.23	37.293		
4,700.00	4,605.39	6,147.50	5,647.98	22.85	117.37	49.36	643.39	3,761.20	3,317.56	3,226.44	91.12	36.408		
4,800.00	4,703.07	6,200.00	5,697.61	23.35	118.19	49.42	649.09	3,745.05	3,272.51	3,180.53	91.98	35.578		
4,900.00	4,800.76	6,200.00	5,697.61	23.84	118.19	49.42	649.09	3,745.05	3,228.37	3,135.58	92.79	34.793		
5,000.00	4,898.44	6,200.00	5,697.61	24.33	118.19	49.42	649.09	3,745.05	3,186.76	3,093.22	93.54	34.068		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	6,254.94	5,750.31	24.83	118.69	49.53	653.30	3,730.14	3,146.30	3,052.13	94.17	33.413		
5,200.00	5,093.82	6,300.00	5,794.01	25.32	119.10	49.65	654.96	3,719.31	3,108.11	3,013.36	94.74	32.806		
5,300.00	5,191.50	6,300.00	5,794.01	25.82	119.10	49.65	654.96	3,719.31	3,071.67	2,976.29	95.38	32.205		
5,400.00	5,289.19	6,345.87	5,838.84	26.31	119.32	49.80	655.49	3,709.59	3,037.06	2,941.27	95.79	31.707		
5,500.00	5,386.87	6,400.00	5,892.08	26.81	119.59	49.99	655.24	3,699.83	3,004.78	2,908.66	96.12	31.262		
5,600.00	5,484.56	6,400.00	5,892.08	27.30	119.59	49.99	655.24	3,699.83	2,974.05	2,877.45	96.60	30.788		
5,700.00	5,582.25	6,446.57	5,938.11	27.80	119.72	50.16	654.73	3,692.81	2,945.44	2,848.57	96.87	30.407		
5,800.00	5,679.93	6,500.00	5,991.12	28.29	119.86	50.36	654.38	3,686.18	2,918.96	2,821.86	97.10	30.062		
5,900.00	5,777.62	6,500.00	5,991.12	28.79	119.86	50.36	654.38	3,686.18	2,894.42	2,797.02	97.39	29.720		
6,000.00	5,875.30	6,547.60	6,038.52	29.28	119.94	50.52	654.46	3,681.81	2,871.92	2,774.34	97.57	29.434		
6,100.00	5,972.99	6,600.00	6,090.84	29.78	120.02	50.69	655.16	3,678.97	2,852.11	2,754.37	97.74	29.180		
6,200.00	6,070.67	6,620.20	6,111.02	30.27	120.04	50.75	655.54	3,678.31	2,834.07	2,736.22	97.85	28.964		
6,300.00	6,168.36	6,683.29	6,174.08	30.77	120.11	50.95	656.46	3,676.75	2,817.78	2,719.81	97.97	28.761		
6,400.00	6,266.05	6,769.41	6,260.19	31.26	120.19	51.23	657.35	3,675.40	2,802.48	2,704.36	98.12	28.562		
6,500.00	6,363.73	6,871.14	6,361.90	31.76	120.29	51.56	658.31	3,673.84	2,787.33	2,689.04	98.29	28.357		
6,534.50	6,397.43	6,907.44	6,398.20	31.93	120.33	51.69	658.60	3,673.22	2,782.07	2,683.72	98.35	28.287		
6,550.00	6,412.60	6,923.83	6,414.59	32.01	120.35	56.52	658.73	3,672.92	2,779.88	2,681.50	98.38	28.257		
6,600.00	6,461.82	6,977.07	6,467.81	32.24	120.40	78.28	659.22	3,671.93	2,775.33	2,676.86	98.47	28.184		
6,634.42	6,495.85	7,013.92	6,504.66	32.38	120.44	98.21	659.62	3,671.20	2,774.42	2,675.89	98.53	28.157 CC, ES		
6,650.00	6,511.25	7,027.39	6,518.12	32.45	120.45	107.50	659.79	3,670.95	2,774.62	2,676.06	98.56	28.152 SF		
6,700.00	6,560.58	7,075.31	6,566.03	32.64	120.50	132.75	660.50	3,670.04	2,777.84	2,679.19	98.65	28.159		
6,750.00	6,609.51	7,127.45	6,618.15	32.83	120.56	148.75	661.45	3,669.09	2,784.94	2,686.18	98.75	28.201		
6,800.00	6,657.74	7,183.80	6,674.47	33.01	120.62	158.44	662.71	3,667.95	2,795.75	2,696.87	98.88	28.274		
6,850.00	6,704.97	7,236.15	6,726.79	33.18	120.68	164.67	664.01	3,666.78	2,810.21	2,711.20	99.01	28.384		
6,900.00	6,750.90	7,285.97	6,776.59	33.36	120.73	169.00	665.13	3,665.59	2,828.28	2,729.15	99.13	28.530		
6,950.00	6,795.26	7,330.01	6,820.61	33.54	120.78	172.22	666.03	3,664.50	2,849.88	2,750.63	99.25	28.713		
7,000.00	6,837.77	7,370.63	6,861.20	33.73	120.83	174.77	666.84	3,663.53	2,874.94	2,775.56	99.38	28.930		
7,050.00	6,878.17	7,408.64	6,899.20	33.92	120.87	176.92	667.58	3,662.65	2,903.30	2,803.80	99.50	29.179		
7,100.00	6,916.21	7,442.53	6,933.07	34.13	120.91	178.85	668.18	3,661.91	2,934.81	2,835.18	99.62	29.459		
7,150.00	6,951.66	7,474.10	6,964.64	34.36	120.95	-179.32	668.65	3,661.26	2,969.27	2,869.52	99.75	29.767		
7,200.00	6,984.29	7,503.13	6,993.66	34.61	120.98	-177.46	669.03	3,660.71	3,006.45	2,906.57	99.88	30.100		
7,250.00	7,013.91	7,529.11	7,019.63	34.89	121.01	-175.46	669.34	3,660.25	3,046.11	2,946.10	100.01	30.457		
7,300.00	7,040.34	7,552.30	7,042.81	35.20	121.03	-173.16	669.64	3,659.87	3,088.01	2,987.86	100.15	30.833		
7,350.00	7,063.40	7,572.54	7,063.05	35.55	121.05	-170.35	669.90	3,659.56	3,131.87	3,031.58	100.30	31.226		
7,400.00	7,082.97	7,589.73	7,080.24	35.94	121.07	-166.65	670.13	3,659.32	3,177.41	3,076.97	100.44	31.634		
7,450.00	7,098.91	7,604.06	7,094.57	36.36	121.09	-161.43	670.33	3,659.13	3,224.35	3,123.75	100.60	32.052		
7,500.00	7,111.13	7,615.72	7,106.22	36.83	121.10	-153.41	670.48	3,658.98	3,272.38	3,171.62	100.76	32.478		
7,550.00	7,119.55	7,623.92	7,114.42	37.34	121.11	-139.98	670.57	3,658.88	3,321.21	3,220.29	100.92	32.910		
7,600.00	7,124.13	7,628.61	7,119.11	37.88	121.12	-116.89	670.62	3,658.82	3,370.53	3,269.44	101.09	33.343		
7,639.68	7,125.00	7,629.83	7,120.33	38.33	121.12	-91.92	670.63	3,658.81	3,409.82	3,308.60	101.22	33.686		
7,700.00	7,124.48	7,630.01	7,120.51	39.05	121.12	-91.94	670.64	3,658.80	3,469.58	3,368.15	101.43	34.206		
7,800.00	7,123.60	7,630.29	7,120.79	40.40	121.12	-91.98	670.64	3,658.80	3,568.70	3,466.93	101.76	35.069		
7,900.00	7,122.72	7,630.57	7,121.07	41.90	121.12	-92.01	670.64	3,658.80	3,667.86	3,565.77	102.08	35.931		
8,000.00	7,121.84	7,630.85	7,121.35	43.54	121.12	-92.05	670.64	3,658.79	3,767.06	3,664.67	102.38	36.793		
8,100.00	7,120.97	7,631.14	7,121.64	45.30	121.12	-92.08	670.65	3,658.79	3,866.30	3,763.63	102.68	37.655		
8,200.00	7,120.09	7,631.42	7,121.92	47.17	121.12	-92.12	670.65	3,658.79	3,965.59	3,862.63	102.96	38.517		
8,300.00	7,119.21	7,631.70	7,122.20	49.13	121.12	-92.15	670.65	3,658.78	4,064.91	3,961.68	103.23	39.378		
8,400.00	7,118.33	7,631.97	7,122.47	51.18	121.12	-92.18	670.66	3,658.78	4,164.26	4,060.77	103.49	40.240		
8,500.00	7,117.46	7,632.25	7,122.75	53.30	121.12	-92.22	670.66	3,658.78	4,263.64	4,159.90	103.74	41.101		
8,600.00	7,116.58	7,632.53	7,123.03	55.48	121.12	-92.25	670.66	3,658.77	4,363.05	4,259.07	103.98	41.961		
8,700.00	7,115.70	7,632.81	7,123.31	57.72	121.12	-92.29	670.66	3,658.77	4,462.48	4,358.27	104.21	42.822		
8,800.00	7,114.82	7,633.08	7,123.58	60.02	121.12	-92.32	670.67	3,658.77	4,561.94	4,457.51	104.44	43.681		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	7,633.36	7,123.86	62.36	121.12	-92.35	670.67	3,658.76	4,661.43	4,556.77	104.66	44.541		
9,000.00	7,113.07	7,633.63	7,124.13	64.74	121.12	-92.39	670.67	3,658.76	4,760.93	4,656.06	104.87	45.400		
9,100.00	7,112.19	7,633.91	7,124.41	67.15	121.12	-92.42	670.67	3,658.76	4,860.46	4,755.38	105.07	46.258		
9,200.00	7,111.31	7,634.18	7,124.68	69.60	121.12	-92.45	670.68	3,658.75	4,960.00	4,854.73	105.27	47.116		
9,300.00	7,110.44	7,634.45	7,124.95	72.08	121.12	-92.49	670.68	3,658.75	5,059.56	4,954.10	105.47	47.973		
9,400.00	7,109.56	7,634.72	7,125.22	74.58	121.12	-92.52	670.68	3,658.75	5,159.14	5,053.49	105.66	48.830		
9,500.00	7,108.68	7,634.99	7,125.49	77.10	121.12	-92.55	670.69	3,658.74	5,258.74	5,152.90	105.84	49.686		
9,600.00	7,107.81	7,635.26	7,125.76	79.65	121.12	-92.59	670.69	3,658.74	5,358.35	5,252.33	106.02	50.542		
9,700.00	7,106.93	7,635.53	7,126.03	82.22	121.12	-92.62	670.69	3,658.74	5,457.97	5,351.78	106.19	51.396		
9,800.00	7,106.05	7,635.80	7,126.30	84.80	121.12	-92.65	670.69	3,658.73	5,557.61	5,451.24	106.36	52.250		
9,900.00	7,105.17	7,636.07	7,126.57	87.40	121.12	-92.68	670.70	3,658.73	5,657.26	5,550.73	106.53	53.104		
10,000.00	7,104.30	7,636.34	7,126.84	90.02	121.12	-92.72	670.70	3,658.73	5,756.92	5,650.23	106.70	53.956		
10,100.00	7,103.42	7,636.60	7,127.10	92.64	121.12	-92.75	670.70	3,658.72	5,856.60	5,749.74	106.86	54.808		
10,200.00	7,102.54	7,636.87	7,127.37	95.28	121.12	-92.78	670.70	3,658.72	5,956.28	5,849.27	107.01	55.659		
10,300.00	7,101.66	7,637.13	7,127.63	97.94	121.13	-92.81	670.71	3,658.72	6,055.98	5,948.81	107.17	56.509		
10,400.00	7,100.79	7,637.40	7,127.90	100.60	121.13	-92.85	670.71	3,658.71	6,155.68	6,048.36	107.32	57.359		
10,500.00	7,099.91	7,637.66	7,128.16	103.27	121.13	-92.88	670.71	3,658.71	6,255.40	6,147.93	107.47	58.207		
10,600.00	7,099.03	7,637.92	7,128.42	105.95	121.13	-92.91	670.71	3,658.71	6,355.12	6,247.51	107.61	59.055		
10,700.00	7,098.15	7,638.19	7,128.68	108.64	121.13	-92.94	670.72	3,658.70	6,454.85	6,347.10	107.76	59.901		
10,800.00	7,097.28	7,638.45	7,128.95	111.33	121.13	-92.98	670.72	3,658.70	6,554.60	6,446.70	107.90	60.747		
10,900.00	7,096.40	7,638.71	7,129.21	114.04	121.13	-93.01	670.72	3,658.70	6,654.34	6,546.30	108.04	61.592		
11,000.00	7,095.52	7,638.97	7,129.47	116.74	121.13	-93.04	670.72	3,658.69	6,754.10	6,645.92	108.18	62.436		
11,100.00	7,094.64	7,639.23	7,129.73	119.46	121.13	-93.07	670.73	3,658.69	6,853.86	6,745.55	108.31	63.278		
11,200.00	7,093.77	7,639.49	7,129.99	122.18	121.13	-93.10	670.73	3,658.69	6,953.63	6,845.18	108.45	64.120		
11,300.00	7,092.89	7,639.74	7,130.24	124.91	121.13	-93.13	670.73	3,658.69	7,053.41	6,944.83	108.58	64.961		
11,400.00	7,092.01	7,640.00	7,130.50	127.64	121.13	-93.17	670.73	3,658.68	7,153.19	7,044.48	108.71	65.800		
11,500.00	7,091.13	7,640.26	7,130.76	130.38	121.13	-93.20	670.74	3,658.68	7,252.98	7,144.14	108.84	66.639		
11,600.00	7,090.26	7,640.51	7,131.01	133.12	121.13	-93.23	670.74	3,658.68	7,352.77	7,243.80	108.97	67.476		
11,700.00	7,089.38	7,640.77	7,131.27	135.86	121.13	-93.26	670.74	3,658.67	7,452.57	7,343.48	109.10	68.312		
11,800.00	7,088.50	7,641.02	7,131.52	138.61	121.13	-93.29	670.74	3,658.67	7,552.38	7,443.16	109.22	69.148		
11,900.00	7,087.63	7,641.28	7,131.78	141.36	121.13	-93.32	670.75	3,658.67	7,652.19	7,542.84	109.35	69.982		
12,000.00	7,086.75	7,641.53	7,132.03	144.12	121.13	-93.35	670.75	3,658.66	7,752.00	7,642.53	109.47	70.814		
12,100.00	7,085.87	7,641.78	7,132.28	146.88	121.13	-93.38	670.75	3,658.66	7,851.82	7,742.23	109.59	71.646		
12,200.00	7,084.99	7,642.04	7,132.53	149.64	121.13	-93.41	670.75	3,658.66	7,951.65	7,841.93	109.71	72.476		
12,300.00	7,084.12	7,642.29	7,132.79	152.40	121.13	-93.44	670.75	3,658.65	8,051.47	7,941.64	109.83	73.305		
12,400.00	7,083.24	7,642.54	7,133.04	155.17	121.13	-93.48	670.76	3,658.65	8,151.31	8,041.35	109.96	74.133		
12,500.00	7,082.36	7,642.79	7,133.29	157.94	121.13	-93.51	670.76	3,658.65	8,251.14	8,141.07	110.07	74.960		
12,600.00	7,081.48	7,643.04	7,133.54	160.71	121.13	-93.54	670.76	3,658.65	8,350.98	8,240.79	110.19	75.785		
12,700.00	7,080.61	7,643.29	7,133.79	163.49	121.13	-93.57	670.76	3,658.64	8,450.83	8,340.52	110.31	76.609		
12,800.00	7,079.73	7,643.53	7,134.03	166.27	121.13	-93.60	670.77	3,658.64	8,550.68	8,440.25	110.43	77.431		
12,900.00	7,078.85	7,643.78	7,134.28	169.04	121.13	-93.63	670.77	3,658.64	8,650.53	8,539.98	110.55	78.253		
13,000.00	7,077.97	7,644.03	7,134.53	171.83	121.13	-93.66	670.77	3,658.63	8,750.38	8,639.72	110.66	79.073		
13,100.00	7,077.10	7,644.28	7,134.77	174.61	121.13	-93.69	670.77	3,658.63	8,850.24	8,739.46	110.78	79.891		
13,200.00	7,076.22	7,644.52	7,135.02	177.39	121.13	-93.72	670.77	3,658.63	8,950.10	8,839.21	110.89	80.708		
13,300.00	7,075.34	7,644.77	7,135.26	180.18	121.13	-93.75	670.78	3,658.62	9,049.97	8,938.96	111.01	81.524		
13,400.00	7,074.46	7,645.01	7,135.51	182.97	121.13	-93.78	670.78	3,658.62	9,149.83	9,038.71	111.12	82.339		
13,500.00	7,073.59	7,645.25	7,135.75	185.76	121.13	-93.81	670.78	3,658.62	9,249.70	9,138.46	111.24	83.152		
13,600.00	7,072.71	7,645.50	7,136.00	188.55	121.13	-93.84	670.78	3,658.62	9,349.58	9,238.22	111.35	83.963		
13,700.00	7,071.83	7,645.74	7,136.24	191.34	121.13	-93.87	670.78	3,658.61	9,449.45	9,337.98	111.47	84.773		
13,800.00	7,070.95	7,645.98	7,136.48	194.14	121.13	-93.90	670.79	3,658.61	9,549.33	9,437.75	111.58	85.582		
13,900.00	7,070.08	7,646.22	7,136.72	196.93	121.14	-93.92	670.79	3,658.61	9,649.21	9,537.52	111.70	86.389		
14,000.00	7,069.20	7,646.46	7,136.96	199.73	121.14	-93.95	670.79	3,658.60	9,749.09	9,637.29	111.81	87.195		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 Northridge #11-4D - 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	
14,100.00	7,068.32	7,646.70	7,137.20	202.53	121.14	-93.98	670.79	3,658.60	9,848.98	9,737.06	111.92	87.999	
14,200.00	7,067.45	7,646.94	7,137.44	205.33	121.14	-94.01	670.79	3,658.60	9,948.87	9,836.83	112.04	88.801	



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.46	-731.61	5,584.34	5,632.28					
100.00	100.00	1,414.25	1,397.37	3.28	9.52	97.17	-681.31	5,413.21	5,619.82	5,609.24	10.58	531.007		
200.00	200.00	1,929.97	1,893.55	3.34	14.90	97.37	-681.65	5,273.43	5,595.86	5,582.90	12.96	431.782		
300.00	299.98	2,244.70	2,189.90	3.44	19.72	53.69	-687.48	5,167.72	5,561.50	5,546.88	14.62	380.311		
400.00	399.84	2,300.00	2,241.76	3.61	20.66	54.40	-687.06	5,148.57	5,524.10	5,509.10	15.00	368.371		
500.00	499.45	2,341.88	2,281.18	3.81	21.30	55.13	-686.28	5,134.43	5,485.54	5,470.21	15.33	357.751		
600.00	598.70	2,400.00	2,336.05	4.06	22.20	55.92	-684.61	5,115.34	5,445.91	5,430.12	15.79	344.874		
700.00	697.47	2,400.00	2,324.44	4.35	23.76	58.04	-665.71	4,872.42	5,395.75	5,386.20	9.54	565.410		
800.00	795.62	3,135.08	3,012.68	4.66	37.84	59.32	-662.10	4,831.14	5,343.86	5,323.88	19.97	267.535		
817.50	812.73	3,140.78	3,017.85	4.73	37.98	59.52	-661.88	4,828.74	5,334.64	5,314.59	20.05	266.022		
900.00	893.32	3,167.79	3,042.36	5.01	38.66	59.60	-660.87	4,817.44	5,291.45	5,271.04	20.41	259.284		
1,000.00	991.01	3,200.00	3,071.71	5.38	39.46	59.69	-659.74	4,804.22	5,239.87	5,219.01	20.87	251.118		
1,100.00	1,088.69	3,233.09	3,101.99	5.77	40.18	59.79	-658.56	4,790.94	5,189.19	5,167.83	21.36	242.974		
1,200.00	1,186.38	3,265.80	3,132.06	6.18	40.89	59.89	-657.30	4,778.12	5,139.42	5,117.54	21.87	234.946		
1,300.00	1,284.06	3,300.00	3,163.64	6.60	41.64	59.98	-655.88	4,765.07	5,090.58	5,068.15	22.43	226.994		
1,400.00	1,381.75	3,342.35	3,202.88	7.03	42.46	60.11	-654.50	4,749.21	5,042.60	5,019.56	23.04	218.816		
1,500.00	1,479.44	3,400.00	3,256.45	7.47	43.58	60.30	-654.04	4,727.91	4,995.46	4,971.70	23.76	210.222		
1,600.00	1,577.12	3,400.00	3,256.45	7.91	43.58	60.30	-654.04	4,727.91	4,949.23	4,925.01	24.22	204.357		
1,700.00	1,674.81	3,440.96	3,294.71	8.37	44.26	60.44	-654.36	4,713.30	4,904.01	4,879.11	24.90	196.932		
1,800.00	1,772.49	3,465.77	3,318.03	8.82	44.67	60.53	-654.62	4,704.84	4,860.08	4,834.56	25.52	190.437		
1,900.00	1,870.18	3,500.00	3,350.37	9.28	45.24	60.65	-655.06	4,693.63	4,817.41	4,791.21	26.20	183.844		
2,000.00	1,967.87	3,500.00	3,350.37	9.75	45.24	60.65	-655.06	4,693.63	4,776.03	4,749.31	26.72	178.723		
2,100.00	2,065.55	3,537.21	3,385.79	10.22	45.68	60.77	-655.23	4,682.23	4,735.83	4,708.41	27.42	172.711		
2,200.00	2,163.24	3,560.49	3,408.10	10.69	45.95	60.85	-654.96	4,675.58	4,697.07	4,669.00	28.06	167.365		
2,300.00	2,260.92	3,600.00	3,446.19	11.16	46.42	60.96	-653.84	4,665.16	4,659.77	4,630.98	28.79	161.858		
2,400.00	2,358.61	4,206.34	4,021.06	11.64	55.10	62.93	-637.78	4,475.79	4,622.06	4,590.13	31.92	144.790		
2,500.00	2,456.30	4,231.43	4,044.38	12.12	55.54	63.02	-637.57	4,466.54	4,575.98	4,543.33	32.65	140.149		
2,600.00	2,553.98	4,261.05	4,072.04	12.59	56.07	63.14	-637.30	4,455.93	4,531.09	4,497.67	33.41	135.604		
2,700.00	2,651.67	4,300.00	4,108.60	13.08	56.77	63.29	-636.92	4,442.52	4,487.42	4,453.19	34.23	131.079		
2,800.00	2,749.35	4,421.73	4,222.91	13.56	58.81	63.77	-636.28	4,400.68	4,444.28	4,408.82	35.46	125.335		
2,900.00	2,847.04	4,590.37	4,380.10	14.04	61.92	64.48	-636.88	4,339.59	4,399.58	4,362.59	36.99	118.935		
3,000.00	2,944.72	4,791.52	4,565.75	14.52	66.11	65.38	-637.52	4,262.22	4,352.91	4,314.13	38.77	112.269		
3,100.00	3,042.41	4,851.04	4,620.52	15.01	67.38	65.65	-637.21	4,238.90	4,305.85	4,266.03	39.82	108.130		
3,200.00	3,140.10	4,910.36	4,675.29	15.50	68.64	65.92	-636.66	4,216.12	4,259.53	4,218.64	40.89	104.183		
3,300.00	3,237.78	5,005.33	4,763.04	15.98	70.60	66.36	-635.51	4,179.83	4,213.49	4,171.36	42.14	99.996		
3,400.00	3,335.47	5,160.18	4,905.53	16.47	73.98	67.11	-634.98	4,119.21	4,167.14	4,123.36	43.78	95.194		
3,500.00	3,433.15	5,256.95	4,993.98	16.96	76.21	67.59	-634.54	4,079.96	4,119.51	4,074.34	45.17	91.207		
3,600.00	3,530.84	5,300.00	5,033.36	17.45	77.21	67.82	-634.54	4,062.56	4,072.50	4,026.20	46.29	87.972		
3,700.00	3,628.53	5,300.00	5,033.36	17.94	77.21	67.82	-634.54	4,062.56	4,027.12	3,979.94	47.19	85.347		
3,800.00	3,726.21	5,351.04	5,080.43	18.43	78.20	68.08	-634.75	4,042.84	3,982.49	3,934.12	48.38	82.324		
3,900.00	3,823.90	5,400.00	5,126.23	18.92	79.16	68.34	-635.17	4,025.54	3,940.16	3,890.58	49.58	79.477		
4,000.00	3,921.58	5,400.00	5,126.23	19.41	79.16	68.34	-635.17	4,025.54	3,898.76	3,848.25	50.50	77.196		
4,100.00	4,019.27	5,430.15	5,154.67	19.90	79.59	68.50	-635.49	4,015.54	3,859.22	3,807.63	51.59	74.804		
4,200.00	4,116.96	5,466.13	5,188.77	20.39	80.11	68.68	-635.86	4,004.06	3,821.08	3,768.36	52.72	72.480		
4,300.00	4,214.64	5,500.00	5,221.01	20.88	80.60	68.85	-636.19	3,993.70	3,784.36	3,730.51	53.85	70.280		
4,400.00	4,312.33	5,558.38	5,276.80	21.37	81.30	69.15	-636.75	3,976.50	3,748.83	3,693.75	55.09	68.053		
4,500.00	4,410.01	5,623.47	5,339.19	21.87	82.08	69.48	-637.39	3,957.95	3,714.32	3,657.95	56.38	65.882		
4,600.00	4,507.70	5,722.53	5,434.03	22.36	83.24	70.01	-639.33	3,929.46	3,680.15	3,622.27	57.89	63.576		
4,700.00	4,605.39	5,816.79	5,524.19	22.85	84.37	70.52	-641.14	3,901.99	3,645.89	3,586.49	59.40	61.375		
4,800.00	4,703.07	5,873.98	5,579.00	23.35	85.03	70.84	-642.10	3,885.68	3,612.35	3,551.62	60.73	59.483		
4,900.00	4,800.76	5,925.65	5,628.65	23.84	85.59	71.12	-642.95	3,871.42	3,579.89	3,517.86	62.02	57.718		
5,000.00	4,898.44	5,972.95	5,674.29	24.33	86.06	71.37	-643.62	3,859.00	3,548.73	3,485.44	63.29	56.070		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	6,000.00	5,700.46	24.83	86.34	71.52	-643.94	3,852.18	3,519.04	3,454.58	64.46	54.592		
5,200.00	5,093.82	6,056.06	5,754.93	25.32	86.77	71.81	-644.49	3,838.93	3,490.72	3,424.99	65.73	53.108		
5,300.00	5,191.50	6,100.00	5,797.83	25.82	87.11	72.03	-644.78	3,829.47	3,464.10	3,397.16	66.94	51.746		
5,400.00	5,289.19	6,100.00	5,797.83	26.31	87.11	72.03	-644.78	3,829.47	3,439.54	3,371.59	67.95	50.618		
5,500.00	5,386.87	6,154.81	5,851.68	26.81	87.39	72.30	-645.08	3,819.23	3,416.32	3,347.18	69.14	49.409		
5,600.00	5,484.56	6,200.00	5,896.34	27.30	87.62	72.51	-645.34	3,812.36	3,395.51	3,325.22	70.29	48.309		
5,700.00	5,582.25	6,200.00	5,896.34	27.80	87.62	72.51	-645.34	3,812.36	3,376.57	3,305.33	71.24	47.399		
5,800.00	5,679.93	6,258.20	5,954.09	28.29	87.78	72.77	-645.59	3,805.24	3,359.29	3,286.93	72.35	46.430		
5,900.00	5,777.62	6,300.00	5,995.69	28.79	87.90	72.95	-645.65	3,801.13	3,343.90	3,270.50	73.39	45.561		
6,000.00	5,875.30	6,350.37	6,045.89	29.28	88.00	73.16	-645.66	3,797.05	3,330.11	3,255.69	74.43	44.743		
6,100.00	5,972.99	6,400.00	6,095.42	29.78	88.10	73.37	-645.63	3,793.73	3,317.76	3,242.32	75.44	43.977		
6,200.00	6,070.67	6,461.48	6,156.81	30.27	88.20	73.61	-645.51	3,790.52	3,306.75	3,230.28	76.47	43.243		
6,300.00	6,168.36	6,530.05	6,225.34	30.77	88.30	73.87	-645.18	3,787.96	3,296.98	3,219.48	77.50	42.542		
6,400.00	6,266.05	6,614.73	6,309.98	31.26	88.42	74.18	-644.30	3,785.45	3,287.81	3,209.25	78.56	41.851		
6,500.00	6,363.73	6,682.86	6,378.08	31.76	88.51	74.42	-643.40	3,784.06	3,279.44	3,199.88	79.56	41.220		
6,534.50	6,397.43	6,707.05	6,402.26	31.93	88.54	74.51	-643.07	3,783.74	3,276.78	3,196.88	79.90	41.010		
6,550.00	6,412.60	6,718.70	6,413.91	32.01	88.56	79.31	-642.92	3,783.61	3,275.78	3,195.73	80.06	40.918		
6,587.27	6,449.26	6,746.86	6,442.07	32.18	88.60	94.54	-642.57	3,783.34	3,274.79	3,194.38	80.41	40.729 CC, ES		
6,600.00	6,461.82	6,756.52	6,451.73	32.24	88.61	101.03	-642.45	3,783.27	3,274.91	3,194.39	80.52	40.672		
6,650.00	6,511.25	6,794.52	6,489.73	32.45	88.66	130.32	-642.03	3,783.05	3,277.59	3,196.67	80.93	40.501		
6,700.00	6,560.58	6,834.95	6,530.15	32.64	88.71	155.76	-641.69	3,782.90	3,283.81	3,202.52	81.29	40.399		
6,750.00	6,609.51	6,875.42	6,570.62	32.83	88.77	172.04	-641.53	3,782.77	3,293.47	3,211.87	81.59	40.364 SF		
6,800.00	6,657.74	6,926.74	6,621.94	33.01	88.84	-177.87	-641.56	3,782.59	3,306.47	3,224.58	81.90	40.374		
6,850.00	6,704.97	6,995.32	6,690.52	33.18	88.93	-171.15	-641.64	3,781.96	3,322.43	3,240.21	82.22	40.411		
6,900.00	6,750.90	7,043.55	6,738.75	33.36	89.00	-166.23	-641.69	3,781.32	3,341.29	3,258.87	82.43	40.536		
6,950.00	6,795.26	7,088.83	6,784.02	33.54	89.06	-162.28	-641.71	3,780.71	3,363.12	3,280.53	82.59	40.722		
7,000.00	6,837.77	7,125.11	6,820.30	33.73	89.11	-158.83	-641.73	3,780.25	3,387.83	3,305.15	82.68	40.976		
7,050.00	6,878.17	7,157.19	6,852.38	33.92	89.16	-155.61	-641.80	3,779.91	3,415.34	3,332.63	82.72	41.289		
7,100.00	6,916.21	7,187.33	6,882.52	34.13	89.20	-152.42	-641.92	3,779.64	3,445.51	3,362.79	82.72	41.652		
7,150.00	6,951.66	7,218.16	6,913.35	34.36	89.24	-149.13	-642.08	3,779.42	3,478.12	3,395.42	82.70	42.059		
7,200.00	6,984.29	7,248.64	6,943.83	34.61	89.29	-145.61	-642.23	3,779.23	3,512.94	3,430.30	82.65	42.506		
7,250.00	7,013.91	7,276.29	6,971.47	34.89	89.33	-141.73	-642.37	3,779.09	3,549.77	3,467.21	82.56	42.995		
7,300.00	7,040.34	7,300.97	6,996.15	35.20	89.36	-137.35	-642.49	3,778.97	3,588.40	3,505.95	82.45	43.520		
7,350.00	7,063.40	7,323.34	7,018.53	35.55	89.39	-132.36	-642.60	3,778.88	3,628.60	3,546.28	82.32	44.078		
7,400.00	7,082.97	7,342.33	7,037.51	35.94	89.42	-126.63	-642.68	3,778.81	3,670.13	3,587.96	82.17	44.666		
7,450.00	7,098.91	7,357.81	7,052.99	36.36	89.44	-120.07	-642.75	3,778.76	3,712.74	3,630.75	82.00	45.279		
7,500.00	7,111.13	7,369.69	7,064.87	36.83	89.46	-112.67	-642.80	3,778.72	3,756.20	3,674.39	81.81	45.914		
7,550.00	7,119.55	7,377.92	7,073.10	37.34	89.47	-104.56	-642.83	3,778.69	3,800.24	3,718.64	81.61	46.567		
7,600.00	7,124.13	7,382.45	7,077.63	37.88	89.48	-96.00	-642.85	3,778.68	3,844.61	3,763.21	81.40	47.233		
7,639.68	7,125.00	7,383.40	7,078.58	38.33	89.48	-89.14	-642.85	3,778.68	3,879.86	3,798.64	81.22	47.767		
7,700.00	7,124.48	7,383.07	7,078.25	39.05	89.48	-89.13	-642.85	3,778.68	3,933.52	3,852.55	80.97	48.579		
7,800.00	7,123.60	7,382.51	7,077.69	40.40	89.48	-89.12	-642.85	3,778.68	4,022.88	3,942.28	80.60	49.913		
7,900.00	7,122.72	7,381.96	7,077.14	41.90	89.48	-89.10	-642.84	3,778.68	4,112.73	4,032.46	80.28	51.232		
8,000.00	7,121.84	7,381.40	7,076.59	43.54	89.48	-89.08	-642.84	3,778.68	4,203.05	4,123.04	80.00	52.536		
8,100.00	7,120.97	7,380.86	7,076.04	45.30	89.48	-89.06	-642.84	3,778.68	4,293.79	4,214.02	79.77	53.827		
8,200.00	7,120.09	7,380.31	7,075.49	47.17	89.48	-89.05	-642.84	3,778.69	4,384.93	4,305.36	79.57	55.105		
8,300.00	7,119.21	7,379.76	7,074.94	49.13	89.47	-89.03	-642.84	3,778.69	4,476.45	4,397.04	79.41	56.370		
8,400.00	7,118.33	7,379.22	7,074.40	51.18	89.47	-89.01	-642.83	3,778.69	4,568.33	4,489.05	79.28	57.623		
8,500.00	7,117.46	7,378.68	7,073.86	53.30	89.47	-88.99	-642.83	3,778.69	4,660.54	4,581.37	79.17	58.865		
8,600.00	7,116.58	7,378.14	7,073.32	55.48	89.47	-88.98	-642.83	3,778.69	4,753.07	4,673.98	79.09	60.096		
8,700.00	7,115.70	7,377.60	7,072.78	57.72	89.47	-88.96	-642.83	3,778.69	4,845.89	4,766.86	79.03	61.318		
8,800.00	7,114.82	7,377.06	7,072.24	60.02	89.47	-88.94	-642.83	3,778.70	4,939.00	4,860.01	78.99	62.529		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	7,376.53	7,071.71	62.36	89.47	-88.92	-642.82	3,778.70	5,032.37	4,953.40	78.96	63.732		
9,000.00	7,113.07	7,376.00	7,071.18	64.74	89.47	-88.91	-642.82	3,778.70	5,125.99	5,047.03	78.95	64.926		
9,100.00	7,112.19	7,375.47	7,070.65	67.15	89.47	-88.89	-642.82	3,778.70	5,219.84	5,140.89	78.95	66.112		
9,200.00	7,111.31	7,374.94	7,070.12	69.60	89.47	-88.87	-642.82	3,778.70	5,313.92	5,234.95	78.97	67.290		
9,300.00	7,110.44	7,374.41	7,069.59	72.08	89.47	-88.86	-642.81	3,778.70	5,408.21	5,329.21	79.00	68.461		
9,400.00	7,109.56	7,373.88	7,069.07	74.58	89.47	-88.84	-642.81	3,778.70	5,502.70	5,423.67	79.03	69.625		
9,500.00	7,108.68	7,373.36	7,068.54	77.10	89.47	-88.82	-642.81	3,778.71	5,597.39	5,518.31	79.08	70.782		
9,600.00	7,107.81	7,372.84	7,068.02	79.65	89.46	-88.81	-642.81	3,778.71	5,692.25	5,613.12	79.13	71.933		
9,700.00	7,106.93	7,372.32	7,067.50	82.22	89.46	-88.79	-642.81	3,778.71	5,787.29	5,708.10	79.19	73.078		
9,800.00	7,106.05	7,371.80	7,066.99	84.80	89.46	-88.77	-642.80	3,778.71	5,882.50	5,803.24	79.26	74.218		
9,900.00	7,105.17	7,371.29	7,066.47	87.40	89.46	-88.76	-642.80	3,778.71	5,977.86	5,898.52	79.33	75.352		
10,000.00	7,104.30	7,370.77	7,065.96	90.02	89.46	-88.74	-642.80	3,778.71	6,073.37	5,993.96	79.41	76.480		
10,100.00	7,103.42	7,370.26	7,065.44	92.64	89.46	-88.72	-642.80	3,778.72	6,169.02	6,089.52	79.49	77.604		
10,200.00	7,102.54	7,369.75	7,064.93	95.28	89.46	-88.71	-642.80	3,778.72	6,264.81	6,185.23	79.58	78.723		
10,300.00	7,101.66	7,369.24	7,064.42	97.94	89.46	-88.69	-642.79	3,778.72	6,360.72	6,281.05	79.67	79.837		
10,400.00	7,100.79	7,368.74	7,063.92	100.60	89.46	-88.67	-642.79	3,778.72	6,456.76	6,377.00	79.77	80.947		
10,500.00	7,099.91	7,368.23	7,063.41	103.27	89.46	-88.66	-642.79	3,778.72	6,552.92	6,473.06	79.86	82.053		
10,600.00	7,099.03	7,367.73	7,062.91	105.95	89.46	-88.64	-642.79	3,778.72	6,649.19	6,569.23	79.96	83.155		
10,700.00	7,098.15	7,367.22	7,062.41	108.64	89.46	-88.63	-642.79	3,778.73	6,745.58	6,665.51	80.06	84.252		
10,800.00	7,097.28	7,366.72	7,061.91	111.33	89.46	-88.61	-642.78	3,778.73	6,842.06	6,761.89	80.17	85.346		
10,900.00	7,096.40	7,366.23	7,061.41	114.04	89.46	-88.59	-642.78	3,778.73	6,938.64	6,858.37	80.27	86.436		
11,000.00	7,095.52	7,365.73	7,060.91	116.74	89.45	-88.58	-642.78	3,778.73	7,035.32	6,954.94	80.38	87.523		
11,100.00	7,094.64	7,365.23	7,060.42	119.46	89.45	-88.56	-642.78	3,778.73	7,132.10	7,051.60	80.49	88.606		
11,200.00	7,093.77	7,364.74	7,059.92	122.18	89.45	-88.55	-642.78	3,778.73	7,228.95	7,148.35	80.60	89.686		
11,300.00	7,092.89	7,364.25	7,059.43	124.91	89.45	-88.53	-642.77	3,778.73	7,325.90	7,245.18	80.72	90.762		
11,400.00	7,092.01	7,363.76	7,058.94	127.64	89.45	-88.51	-642.77	3,778.74	7,422.92	7,342.09	80.83	91.835		
11,500.00	7,091.13	7,363.27	7,058.45	130.38	89.45	-88.50	-642.77	3,778.74	7,520.02	7,439.08	80.94	92.905		
11,600.00	7,090.26	7,362.78	7,057.97	133.12	89.45	-88.48	-642.77	3,778.74	7,617.20	7,536.14	81.06	93.973		
11,700.00	7,089.38	7,362.30	7,057.48	135.86	89.45	-88.47	-642.77	3,778.74	7,714.45	7,633.28	81.17	95.037		
11,800.00	7,088.50	7,361.82	7,057.00	138.61	89.45	-88.45	-642.76	3,778.74	7,811.77	7,730.48	81.29	96.098		
11,900.00	7,087.63	7,361.33	7,056.52	141.36	89.45	-88.44	-642.76	3,778.74	7,909.16	7,827.75	81.41	97.156		
12,000.00	7,086.75	7,360.85	7,056.03	144.12	89.45	-88.42	-642.76	3,778.75	8,006.61	7,925.08	81.52	98.212		
12,100.00	7,085.87	7,360.37	7,055.56	146.88	89.45	-88.41	-642.76	3,778.75	8,104.12	8,022.48	81.64	99.265		
12,200.00	7,084.99	7,359.90	7,055.08	149.64	89.45	-88.39	-642.76	3,778.75	8,201.69	8,119.93	81.76	100.315		
12,300.00	7,084.12	7,359.42	7,054.60	152.40	89.45	-88.38	-642.75	3,778.75	8,299.32	8,217.44	81.88	101.363		
12,400.00	7,083.24	7,358.95	7,054.13	155.17	89.44	-88.36	-642.75	3,778.75	8,397.01	8,315.01	82.00	102.408		
12,500.00	7,082.36	7,358.48	7,053.66	157.94	89.44	-88.34	-642.75	3,778.75	8,494.74	8,412.63	82.11	103.450		
12,600.00	7,081.48	7,358.00	7,053.19	160.71	89.44	-88.33	-642.75	3,778.75	8,592.54	8,510.30	82.23	104.490		
12,700.00	7,080.61	7,357.54	7,052.72	163.49	89.44	-88.31	-642.75	3,778.76	8,690.38	8,608.03	82.35	105.527		
12,800.00	7,079.73	7,357.07	7,052.25	166.27	89.44	-88.30	-642.75	3,778.76	8,788.27	8,705.80	82.47	106.562		
12,900.00	7,078.85	7,356.60	7,051.78	169.04	89.44	-88.28	-642.74	3,778.76	8,886.21	8,803.62	82.59	107.595		
13,000.00	7,077.97	7,356.14	7,051.32	171.83	89.44	-88.27	-642.74	3,778.76	8,984.19	8,901.48	82.71	108.625		
13,100.00	7,077.10	7,355.67	7,050.86	174.61	89.44	-88.26	-642.74	3,778.76	9,082.21	8,999.39	82.83	109.653		
13,200.00	7,076.22	7,355.21	7,050.39	177.39	89.44	-88.24	-642.74	3,778.76	9,180.28	9,097.34	82.95	110.678		
13,300.00	7,075.34	7,354.75	7,049.93	180.18	89.44	-88.23	-642.74	3,778.77	9,278.39	9,195.33	83.06	111.701		
13,400.00	7,074.46	7,354.29	7,049.48	182.97	89.44	-88.21	-642.73	3,778.77	9,376.54	9,293.36	83.18	112.722		
13,500.00	7,073.59	7,353.84	7,049.02	185.76	89.44	-88.20	-642.73	3,778.77	9,474.73	9,391.43	83.30	113.741		
13,600.00	7,072.71	7,353.38	7,048.56	188.55	89.44	-88.18	-642.73	3,778.77	9,572.96	9,489.54	83.42	114.757		
13,700.00	7,071.83	7,352.93	7,048.11	191.34	89.44	-88.17	-642.73	3,778.77	9,671.22	9,587.68	83.54	115.771		
13,800.00	7,070.95	7,352.47	7,047.66	194.14	89.44	-88.15	-642.73	3,778.77	9,769.52	9,685.86	83.66	116.782		
13,900.00	7,070.08	7,352.02	7,047.21	196.93	89.43	-88.14	-642.72	3,778.77	9,867.85	9,784.08	83.77	117.792		
14,000.00	7,069.20	7,351.57	7,046.76	199.73	89.43	-88.12	-642.72	3,778.78	9,966.22	9,882.33	83.89	118.799		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.13	-700.28	5,596.30	5,640.17					
100.00	100.00	40.35	40.35	3.28	3.28	97.13	-700.16	5,596.35	5,639.99	5,633.42	6.57	858.974		
200.00	200.00	609.28	607.05	3.34	4.49	96.76	-661.09	5,581.15	5,638.72	5,630.94	7.78	724.552		
300.00	299.98	723.51	719.71	3.44	5.05	52.23	-643.71	5,573.82	5,629.43	5,621.03	8.39	670.719		
400.00	399.84	1,311.29	1,286.69	3.61	9.50	51.36	-504.70	5,514.76	5,612.14	5,599.54	12.60	445.302		
500.00	499.45	1,426.25	1,394.86	3.81	10.64	51.44	-468.91	5,499.48	5,589.96	5,576.14	13.81	404.655		
600.00	598.70	1,524.56	1,487.52	4.06	11.58	51.63	-438.94	5,486.04	5,565.47	5,550.58	14.88	373.962		
700.00	697.47	1,600.00	1,558.84	4.35	12.27	51.92	-416.59	5,475.81	5,539.15	5,523.38	15.77	351.315		
800.00	795.62	1,688.14	1,642.41	4.66	13.05	52.27	-391.19	5,463.98	5,511.03	5,494.28	16.75	328.986		
817.50	812.73	1,703.69	1,657.18	4.73	13.18	52.33	-386.77	5,461.89	5,505.91	5,488.98	16.93	325.177		
900.00	893.32	1,752.09	1,703.19	5.01	13.58	52.28	-373.20	5,455.52	5,481.87	5,464.32	17.55	312.349		
1,000.00	991.01	1,813.07	1,761.32	5.38	14.07	52.22	-356.44	5,447.80	5,453.30	5,434.96	18.34	297.376		
1,100.00	1,088.69	1,876.57	1,821.97	5.77	14.56	52.15	-339.30	5,440.11	5,425.32	5,406.18	19.15	283.363		
1,200.00	1,186.38	1,973.09	1,914.36	6.18	15.28	52.06	-313.79	5,428.74	5,397.74	5,377.56	20.18	267.430		
1,300.00	1,284.06	2,084.32	2,020.96	6.60	16.10	51.97	-285.04	5,415.26	5,369.91	5,348.59	21.32	251.880		
1,400.00	1,381.75	1,400.00	2,133.54	7.03	11.02	51.86	-254.42	5,400.45	5,341.59	5,324.48	17.11	312.210		
1,500.00	1,479.44	2,264.90	2,193.82	7.47	17.45	51.80	-238.00	5,392.57	5,313.44	5,290.08	23.36	227.495		
1,600.00	1,577.12	2,325.46	2,251.93	7.91	17.88	51.75	-222.44	5,385.50	5,286.07	5,261.89	24.19	218.555		
1,700.00	1,674.81	2,401.75	2,325.11	8.37	18.42	51.68	-202.66	5,376.97	5,259.18	5,234.06	25.12	209.372		
1,800.00	1,772.49	2,564.79	2,480.96	8.82	19.63	51.50	-158.67	5,358.06	5,231.75	5,205.09	26.66	196.270		
1,900.00	1,870.18	2,711.10	2,620.10	9.28	20.79	51.32	-117.31	5,339.81	5,203.42	5,175.27	28.15	184.831		
2,000.00	1,967.87	2,838.69	2,740.38	9.75	21.92	51.13	-78.33	5,322.69	5,173.85	5,144.23	29.61	174.728		
2,100.00	2,065.55	2,900.00	2,798.26	10.22	22.46	51.04	-59.76	5,314.73	5,144.81	5,114.24	30.57	168.297		
2,200.00	2,163.24	3,003.12	2,896.03	10.69	23.31	50.90	-29.78	5,301.45	5,116.08	5,084.28	31.80	160.875		
2,300.00	2,260.92	3,100.00	2,987.74	11.16	24.12	50.76	-1.36	5,288.56	5,086.93	5,053.93	33.00	154.127		
2,400.00	2,358.61	3,159.50	3,044.13	11.64	24.60	50.67	15.98	5,280.83	5,058.22	5,024.30	33.92	149.123		
2,500.00	2,456.30	3,210.86	3,093.20	12.12	25.00	50.62	29.82	5,274.64	5,030.49	4,995.72	34.77	144.666		
2,600.00	2,553.98	3,294.08	3,172.93	12.59	25.59	50.53	51.58	5,264.93	5,003.28	4,967.49	35.79	139.789		
2,700.00	2,651.67	2,700.00	3,282.92	13.08	21.37	50.41	81.42	5,251.27	4,975.82	4,943.52	32.30	154.042		
2,800.00	2,749.35	3,469.69	3,341.36	13.56	26.81	50.35	96.69	5,244.07	4,948.63	4,910.76	37.87	130.674		
2,900.00	2,847.04	3,591.57	3,459.01	14.04	27.60	50.25	125.38	5,230.19	4,922.01	4,882.96	39.05	126.042		
3,000.00	2,944.72	3,655.01	3,520.31	14.52	28.00	50.21	139.87	5,222.73	4,895.04	4,855.13	39.91	122.659		
3,100.00	3,042.41	3,736.58	3,599.18	15.01	28.51	50.15	158.66	5,213.80	4,868.78	4,827.91	40.87	119.141		
3,200.00	3,140.10	4,018.65	3,867.74	15.50	30.71	49.78	236.49	5,177.52	4,839.80	4,796.58	43.22	111.973		
3,300.00	3,237.78	4,100.00	3,943.96	15.98	31.47	49.62	262.51	5,166.10	4,809.95	4,765.53	44.41	108.296		
3,400.00	3,335.47	4,160.77	4,001.03	16.47	32.01	49.51	281.68	5,157.84	4,780.61	4,735.19	45.43	105.239		
3,500.00	3,433.15	4,200.00	4,038.09	16.96	32.36	49.44	293.53	5,152.73	4,752.13	4,705.85	46.28	102.682		
3,600.00	3,530.84	4,265.50	4,100.22	17.45	32.87	49.34	312.63	5,144.75	4,724.46	4,677.19	47.27	99.950		
3,700.00	3,628.53	4,345.38	4,176.25	17.94	33.49	49.21	335.44	5,135.80	4,697.69	4,649.34	48.35	97.163		
3,800.00	3,726.21	4,509.84	4,331.92	18.43	34.80	48.93	384.77	5,116.29	4,670.28	4,620.27	50.01	93.381		
3,900.00	3,823.90	4,624.63	4,440.31	18.92	35.78	48.72	419.58	5,101.55	4,641.92	4,590.53	51.39	90.319		
4,000.00	3,921.58	4,752.46	4,560.00	19.41	36.94	48.45	461.17	5,084.78	4,613.24	4,560.31	52.94	87.149		
4,100.00	4,019.27	4,873.12	4,673.49	19.90	38.03	48.21	498.44	5,067.71	4,583.65	4,529.25	54.41	84.250		
4,200.00	4,116.96	4,942.04	4,738.54	20.39	38.63	48.09	518.99	5,057.93	4,554.19	4,498.71	55.48	82.084		
4,300.00	4,214.64	5,000.00	4,793.39	20.88	39.12	47.98	536.05	5,050.15	4,525.51	4,469.03	56.48	80.130		
4,400.00	4,312.33	5,066.05	4,856.00	21.37	39.65	47.87	555.34	5,041.76	4,497.55	4,440.04	57.50	78.215		
4,500.00	4,410.01	5,132.85	4,919.45	21.87	40.17	47.75	574.63	5,033.70	4,470.24	4,411.73	58.51	76.397		
4,600.00	4,507.70	5,200.00	4,983.64	22.36	40.66	47.65	592.71	5,025.95	4,443.57	4,384.06	59.50	74.678		
4,700.00	4,605.39	5,242.37	5,024.46	22.85	40.91	47.60	603.14	5,021.41	4,417.81	4,357.52	60.29	73.277		
4,800.00	4,703.07	5,300.00	5,080.45	23.35	41.24	47.55	615.66	5,016.02	4,393.31	4,332.18	61.14	71.859		
4,900.00	4,800.76	5,329.68	5,109.48	23.84	41.37	47.54	621.36	5,013.59	4,369.89	4,308.08	61.81	70.699		
5,000.00	4,898.44	5,376.80	5,155.78	24.33	41.57	47.53	629.39	5,010.14	4,347.66	4,285.13	62.53	69.529		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,429.26	5,207.59	24.83	41.77	47.54	636.91	5,006.86	4,326.53	4,263.29	63.24	68.420		
5,200.00	5,093.82	5,500.00	5,277.74	25.32	42.01	47.58	645.22	5,003.15	4,306.37	4,242.41	63.96	67.327		
5,300.00	5,191.50	5,556.23	5,333.64	25.82	42.18	47.63	650.74	5,000.61	4,286.97	4,222.34	64.62	66.336		
5,400.00	5,289.19	5,626.98	5,404.06	26.31	42.38	47.70	656.92	4,997.78	4,268.20	4,202.88	65.31	65.350		
5,500.00	5,386.87	5,700.00	5,476.84	26.81	42.58	47.79	662.30	4,995.36	4,250.13	4,184.13	65.99	64.401		
5,600.00	5,484.56	5,759.42	5,536.12	27.30	42.73	47.87	666.02	4,993.82	4,232.79	4,166.16	66.63	63.524		
5,700.00	5,582.25	5,830.12	5,606.71	27.80	42.91	47.97	669.82	4,992.50	4,216.23	4,148.94	67.29	62.657		
5,800.00	5,679.93	5,911.87	5,688.40	28.29	43.12	48.11	672.92	4,991.32	4,200.18	4,132.22	67.96	61.801		
5,900.00	5,777.62	6,004.52	5,781.02	28.79	43.35	48.29	674.78	4,990.14	4,184.40	4,115.75	68.65	60.950		
6,000.00	5,875.30	6,098.54	5,875.02	29.28	43.58	48.48	675.77	4,989.02	4,168.78	4,099.43	69.34	60.117		
6,100.00	5,972.99	6,207.95	5,984.41	29.78	43.85	48.71	676.77	4,987.60	4,153.11	4,083.04	70.07	59.270		
6,200.00	6,070.67	6,315.74	6,092.19	30.27	44.12	48.94	677.75	4,985.92	4,137.24	4,066.45	70.80	58.437		
6,300.00	6,168.36	6,424.48	6,200.91	30.77	44.40	49.18	678.64	4,983.92	4,121.17	4,049.64	71.53	57.614		
6,400.00	6,266.05	6,524.89	6,301.29	31.26	44.66	49.39	679.93	4,981.88	4,104.93	4,032.68	72.25	56.816		
6,500.00	6,363.73	6,610.26	6,386.63	31.76	44.88	49.57	681.54	4,980.34	4,088.93	4,015.99	72.94	56.057		
6,534.50	6,397.43	6,645.56	6,421.92	31.93	44.97	49.64	682.33	4,979.75	4,083.46	4,010.27	73.20	55.789		
6,550.00	6,412.60	6,661.46	6,437.81	32.01	45.02	54.46	682.71	4,979.48	4,081.19	4,007.88	73.31	55.672		
6,600.00	6,461.82	6,711.60	6,487.92	32.24	45.15	76.16	684.00	4,978.62	4,076.38	4,002.72	73.66	55.338		
6,636.00	6,497.41	6,744.68	6,520.98	32.39	45.24	96.98	684.87	4,978.06	4,075.36	4,001.45	73.90	55.144 CC, ES		
6,650.00	6,511.25	6,757.55	6,533.85	32.45	45.27	105.31	685.21	4,977.85	4,075.51	4,001.52	74.00	55.077		
6,700.00	6,560.58	6,803.76	6,580.04	32.64	45.40	130.50	686.44	4,977.12	4,078.60	4,004.29	74.31	54.884		
6,750.00	6,609.51	6,853.18	6,629.43	32.83	45.53	146.43	687.76	4,976.36	4,085.59	4,010.97	74.62	54.753		
6,800.00	6,657.74	6,902.75	6,678.99	33.01	45.66	156.04	689.09	4,975.60	4,096.43	4,021.52	74.91	54.686		
6,850.00	6,704.97	6,970.64	6,746.83	33.18	45.85	162.21	691.11	4,974.38	4,110.92	4,035.69	75.23	54.647 SF		
6,900.00	6,750.90	7,037.60	6,813.74	33.36	46.04	166.46	693.45	4,972.87	4,128.87	4,053.34	75.53	54.664		
6,950.00	6,795.26	7,103.16	6,879.21	33.54	46.23	169.57	696.12	4,971.09	4,150.18	4,074.36	75.82	54.738		
7,000.00	6,837.77	7,150.15	6,926.14	33.73	46.36	171.99	698.31	4,969.71	4,174.82	4,098.76	76.05	54.893		
7,050.00	6,878.17	7,195.76	6,971.66	33.92	46.50	173.97	700.68	4,968.33	4,202.73	4,126.46	76.27	55.102		
7,100.00	6,916.21	7,231.38	7,007.21	34.13	46.60	175.69	702.70	4,967.27	4,233.77	4,157.32	76.46	55.376		
7,150.00	6,951.66	7,263.87	7,039.63	34.36	46.70	177.26	704.68	4,966.33	4,267.80	4,191.18	76.62	55.703		
7,200.00	6,984.29	7,293.85	7,069.53	34.61	46.79	178.80	706.61	4,965.51	4,304.59	4,227.83	76.76	56.078		
7,250.00	7,013.91	7,315.97	7,091.60	34.89	46.86	-179.60	708.09	4,964.93	4,343.94	4,267.06	76.87	56.509		
7,300.00	7,040.34	7,334.36	7,109.94	35.20	46.91	-177.80	709.31	4,964.49	4,385.60	4,308.64	76.96	56.983		
7,350.00	7,063.40	7,350.41	7,125.95	35.55	46.96	-175.65	710.36	4,964.14	4,429.31	4,352.27	77.04	57.495		
7,400.00	7,082.97	7,364.03	7,139.54	35.94	47.00	-172.84	711.24	4,963.87	4,474.77	4,397.68	77.10	58.039		
7,450.00	7,098.91	7,375.17	7,150.65	36.36	47.03	-168.87	711.96	4,963.65	4,521.70	4,444.55	77.15	58.612		
7,500.00	7,111.13	7,383.77	7,159.24	36.83	47.06	-162.60	712.51	4,963.50	4,569.79	4,492.60	77.18	59.207		
7,550.00	7,119.55	7,400.00	7,175.43	37.34	47.11	-151.69	713.54	4,963.23	4,618.74	4,541.50	77.24	59.799		
7,600.00	7,124.13	7,400.00	7,175.43	37.88	47.11	-128.65	713.54	4,963.23	4,668.21	4,590.97	77.25	60.431		
7,639.68	7,125.00	7,400.00	7,175.43	38.33	47.11	-97.09	713.54	4,963.23	4,707.66	4,630.40	77.26	60.935		
7,700.00	7,124.48	7,400.00	7,175.43	39.05	47.11	-97.09	713.54	4,963.23	4,767.67	4,690.40	77.27	61.700		
7,800.00	7,123.60	7,400.00	7,175.43	40.40	47.11	-97.09	713.54	4,963.23	4,867.17	4,789.88	77.30	62.966		
7,900.00	7,122.72	7,400.00	7,175.43	41.90	47.11	-97.09	713.54	4,963.23	4,966.69	4,889.37	77.33	64.231		
8,000.00	7,121.84	7,400.00	7,175.43	43.54	47.11	-97.09	713.54	4,963.23	5,066.23	4,988.88	77.35	65.494		
8,100.00	7,120.97	7,400.00	7,175.43	45.30	47.11	-97.09	713.54	4,963.23	5,165.79	5,088.41	77.39	66.754		
8,200.00	7,120.09	7,400.00	7,175.43	47.17	47.11	-97.09	713.54	4,963.23	5,265.37	5,187.95	77.42	68.013		
8,300.00	7,119.21	7,400.00	7,175.43	49.13	47.11	-97.09	713.54	4,963.23	5,364.96	5,287.51	77.45	69.270		
8,400.00	7,118.33	7,400.00	7,175.43	51.18	47.11	-97.09	713.54	4,963.23	5,464.56	5,387.08	77.48	70.524		
8,500.00	7,117.46	7,400.00	7,175.43	53.30	47.11	-97.09	713.54	4,963.23	5,564.18	5,486.66	77.52	71.777		
8,600.00	7,116.58	7,400.00	7,175.43	55.48	47.11	-97.09	713.54	4,963.23	5,663.82	5,586.26	77.56	73.028		
8,700.00	7,115.70	7,400.00	7,175.43	57.72	47.11	-97.09	713.54	4,963.23	5,763.46	5,685.87	77.59	74.276		
8,800.00	7,114.82	7,400.00	7,175.43	60.02	47.11	-97.09	713.54	4,963.23	5,863.12	5,785.49	77.63	75.523		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	7,400.00	7,175.43	62.36	47.11	-97.09	713.54	4,963.23	5,962.79	5,885.12	77.67	76.767		
9,000.00	7,113.07	7,400.00	7,175.43	64.74	47.11	-97.09	713.54	4,963.23	6,062.47	5,984.76	77.71	78.010		
9,100.00	7,112.19	7,400.00	7,175.43	67.15	47.11	-97.09	713.54	4,963.23	6,162.16	6,084.41	77.76	79.250		
9,200.00	7,111.31	7,400.00	7,175.43	69.60	47.11	-97.09	713.54	4,963.23	6,261.86	6,184.06	77.80	80.488		
9,300.00	7,110.44	7,400.00	7,175.43	72.08	47.11	-97.09	713.54	4,963.23	6,361.57	6,283.73	77.84	81.725		
9,400.00	7,109.56	7,400.00	7,175.43	74.58	47.11	-97.09	713.54	4,963.23	6,461.29	6,383.40	77.89	82.959		
9,500.00	7,108.68	7,400.00	7,175.43	77.10	47.11	-97.09	713.54	4,963.23	6,561.02	6,483.09	77.93	84.190		
9,600.00	7,107.81	7,400.00	7,175.43	79.65	47.11	-97.09	713.54	4,963.23	6,660.75	6,582.78	77.98	85.420		
9,700.00	7,106.93	7,400.00	7,175.43	82.22	47.11	-97.09	713.54	4,963.23	6,760.50	6,682.47	78.02	86.648		
9,800.00	7,106.05	7,400.00	7,175.43	84.80	47.11	-97.09	713.54	4,963.23	6,860.25	6,782.18	78.07	87.873		
9,900.00	7,105.17	7,400.00	7,175.43	87.40	47.11	-97.09	713.54	4,963.23	6,960.01	6,881.89	78.12	89.096		
10,000.00	7,104.30	7,400.00	7,175.43	90.02	47.11	-97.09	713.54	4,963.23	7,059.77	6,981.60	78.17	90.317		
10,100.00	7,103.42	7,400.00	7,175.43	92.64	47.11	-97.09	713.54	4,963.23	7,159.54	7,081.33	78.22	91.535		
10,200.00	7,102.54	7,400.00	7,175.43	95.28	47.11	-97.09	713.54	4,963.23	7,259.32	7,181.05	78.27	92.751		
10,300.00	7,101.66	7,400.00	7,175.43	97.94	47.11	-97.09	713.54	4,963.23	7,359.10	7,280.79	78.32	93.965		
10,400.00	7,100.79	7,400.00	7,175.43	100.60	47.11	-97.09	713.54	4,963.23	7,458.89	7,380.52	78.37	95.176		
10,500.00	7,099.91	7,400.00	7,175.43	103.27	47.11	-97.09	713.54	4,963.23	7,558.69	7,480.27	78.42	96.385		
10,600.00	7,099.03	7,400.00	7,175.43	105.95	47.11	-97.09	713.54	4,963.23	7,658.49	7,580.01	78.47	97.591		
10,700.00	7,098.15	7,400.00	7,175.43	108.64	47.11	-97.09	713.54	4,963.23	7,758.29	7,679.77	78.53	98.796		
10,800.00	7,097.28	7,400.00	7,175.43	111.33	47.11	-97.09	713.54	4,963.23	7,858.10	7,779.52	78.58	99.997		
10,900.00	7,096.40	7,400.00	7,175.43	114.04	47.11	-97.09	713.54	4,963.23	7,957.92	7,879.28	78.64	101.196		
11,000.00	7,095.52	7,400.00	7,175.43	116.74	47.11	-97.09	713.54	4,963.23	8,057.74	7,979.05	78.69	102.393		
11,100.00	7,094.64	7,400.00	7,175.43	119.46	47.11	-97.09	713.54	4,963.23	8,157.56	8,078.81	78.75	103.587		
11,200.00	7,093.77	7,400.00	7,175.43	122.18	47.11	-97.09	713.54	4,963.23	8,257.39	8,178.58	78.81	104.778		
11,300.00	7,092.89	7,400.00	7,175.43	124.91	47.11	-97.09	713.54	4,963.23	8,357.23	8,278.36	78.87	105.967		
11,400.00	7,092.01	7,400.00	7,175.43	127.64	47.11	-97.09	713.54	4,963.23	8,457.06	8,378.14	78.93	107.153		
11,500.00	7,091.13	7,400.00	7,175.43	130.38	47.11	-97.09	713.54	4,963.23	8,556.90	8,477.92	78.98	108.336		
11,600.00	7,090.26	7,400.00	7,175.43	133.12	47.11	-97.09	713.54	4,963.23	8,656.75	8,577.70	79.04	109.517		
11,700.00	7,089.38	7,400.00	7,175.43	135.86	47.11	-97.09	713.54	4,963.23	8,756.59	8,677.49	79.11	110.695		
11,800.00	7,088.50	7,400.00	7,175.43	138.61	47.11	-97.09	713.54	4,963.23	8,856.44	8,777.28	79.17	111.870		
11,900.00	7,087.63	7,400.00	7,175.43	141.36	47.11	-97.09	713.54	4,963.23	8,956.30	8,877.07	79.23	113.042		
12,000.00	7,086.75	7,400.00	7,175.43	144.12	47.11	-97.09	713.54	4,963.23	9,056.16	8,976.86	79.29	114.212		
12,100.00	7,085.87	7,400.00	7,175.43	146.88	47.11	-97.09	713.54	4,963.23	9,156.02	9,076.66	79.36	115.379		
12,200.00	7,084.99	7,400.00	7,175.43	149.64	47.11	-97.09	713.54	4,963.23	9,255.88	9,176.46	79.42	116.543		
12,300.00	7,084.12	7,400.00	7,175.43	152.40	47.11	-97.09	713.54	4,963.23	9,355.75	9,276.26	79.49	117.704		
12,400.00	7,083.24	7,400.00	7,175.43	155.17	47.11	-97.09	713.54	4,963.23	9,455.62	9,376.07	79.55	118.862		
12,500.00	7,082.36	7,400.00	7,175.43	157.94	47.11	-97.09	713.54	4,963.23	9,555.49	9,475.87	79.62	120.018		
12,600.00	7,081.48	7,400.00	7,175.43	160.71	47.11	-97.09	713.54	4,963.23	9,655.36	9,575.68	79.68	121.170		
12,700.00	7,080.61	7,400.00	7,175.43	163.49	47.11	-97.09	713.54	4,963.23	9,755.24	9,675.49	79.75	122.319		
12,800.00	7,079.73	7,400.00	7,175.43	166.27	47.11	-97.09	713.54	4,963.23	9,855.12	9,775.30	79.82	123.466		
12,900.00	7,078.85	7,400.00	7,175.43	169.04	47.11	-97.09	713.54	4,963.23	9,955.00	9,875.11	79.89	124.609		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.58	-741.81	5,572.65	5,622.03					
100.00	100.00	54.06	54.06	3.28	3.28	97.58	-741.79	5,572.63	5,621.79	5,615.22	6.57	856.087		
200.00	200.00	162.19	162.19	3.34	3.30	97.58	-741.64	5,572.50	5,621.65	5,615.01	6.64	847.105		
300.00	299.98	270.29	270.29	3.44	3.33	53.10	-741.34	5,572.22	5,620.31	5,613.53	6.78	829.260		
400.00	399.84	378.26	378.26	3.61	3.38	53.19	-740.89	5,571.81	5,616.73	5,609.75	6.99	804.002		
500.00	499.45	485.97	485.96	3.81	3.45	53.36	-740.30	5,571.26	5,610.93	5,603.67	7.26	773.312		
600.00	598.70	593.28	593.27	4.06	3.53	53.59	-739.56	5,570.58	5,602.92	5,595.34	7.58	739.143		
700.00	697.47	700.07	700.05	4.35	3.62	53.89	-738.67	5,569.76	5,592.72	5,584.76	7.95	703.139		
800.00	795.62	806.20	806.18	4.66	3.73	54.25	-737.65	5,568.82	5,580.37	5,571.99	8.37	666.567		
817.50	812.73	824.70	824.67	4.73	3.75	54.32	-737.46	5,568.65	5,577.98	5,569.53	8.45	660.050		
900.00	893.32	911.84	911.80	5.01	3.84	54.47	-736.49	5,567.75	5,566.58	5,557.75	8.83	630.636		
1,000.00	991.01	1,017.46	1,017.41	5.38	3.97	54.65	-735.18	5,566.55	5,552.67	5,543.36	9.31	596.285		
1,100.00	1,088.69	1,123.08	1,123.01	5.77	4.11	54.83	-733.74	5,565.22	5,538.67	5,528.85	9.82	563.744		
1,200.00	1,186.38	1,228.70	1,228.60	6.18	4.25	55.01	-732.15	5,563.76	5,524.58	5,514.22	10.36	533.223		
1,300.00	1,284.06	1,336.47	1,336.35	6.60	4.45	55.19	-730.38	5,562.12	5,510.39	5,499.42	10.97	502.444		
1,400.00	1,381.75	1,435.74	1,435.59	7.03	4.76	55.36	-728.75	5,560.43	5,496.06	5,484.37	11.69	470.256		
1,500.00	1,479.44	1,522.62	1,522.45	7.47	5.04	55.51	-727.68	5,559.05	5,481.95	5,469.56	12.40	442.271		
1,600.00	1,577.12	1,643.68	1,643.49	7.91	5.45	55.73	-726.30	5,557.08	5,467.91	5,454.67	13.24	413.076		
1,700.00	1,674.81	1,776.42	1,776.19	8.37	5.93	55.97	-725.56	5,553.84	5,453.17	5,439.03	14.14	385.595		
1,800.00	1,772.49	1,856.90	1,856.64	8.82	6.22	56.13	-725.46	5,551.73	5,438.40	5,423.52	14.88	365.455		
1,900.00	1,870.18	1,900.00	3,215.93	9.28	6.27	59.50	-744.60	5,342.60	5,405.52	5,390.59	14.93	362.074		
2,000.00	1,967.87	3,321.11	3,296.00	9.75	12.54	59.74	-745.80	5,320.16	5,368.38	5,347.11	21.27	252.431		
2,100.00	2,065.55	3,365.00	3,338.45	10.22	12.75	59.87	-746.20	5,309.02	5,332.47	5,310.54	21.93	243.173		
2,200.00	2,163.24	3,390.11	3,362.80	10.69	12.88	59.94	-746.49	5,302.89	5,297.53	5,275.00	22.53	235.156		
2,300.00	2,260.92	3,443.95	3,415.05	11.16	13.14	60.10	-747.58	5,289.94	5,263.46	5,240.22	23.24	226.478		
2,400.00	2,358.61	3,743.22	3,703.84	11.64	14.67	61.05	-756.72	5,212.08	5,227.55	5,202.67	24.88	210.152		
2,500.00	2,456.30	3,956.16	3,907.36	12.12	15.81	61.79	-765.11	5,150.06	5,189.47	5,163.28	26.19	198.116		
2,600.00	2,553.98	4,021.00	3,969.12	12.59	16.17	62.02	-767.45	5,130.45	5,150.48	5,123.50	26.97	190.935		
2,700.00	2,651.67	4,054.07	4,000.70	13.08	16.35	62.14	-768.66	5,120.69	5,112.36	5,084.72	27.64	184.932		
2,800.00	2,749.35	4,081.13	4,026.63	13.56	16.49	62.24	-769.70	5,113.06	5,075.47	5,047.17	28.30	179.364		
2,900.00	2,847.04	4,115.00	4,059.22	14.04	16.68	62.36	-771.10	5,103.93	5,039.83	5,010.85	28.98	173.914		
3,000.00	2,944.72	4,145.08	4,088.25	14.52	16.84	62.47	-772.35	5,096.17	5,005.35	4,975.71	29.65	168.823		
3,100.00	3,042.41	4,184.91	4,126.80	15.01	17.05	62.61	-773.92	5,086.26	4,971.95	4,941.60	30.36	163.783		
3,200.00	3,140.10	4,208.00	4,149.19	15.50	17.17	62.69	-774.79	5,080.70	4,939.68	4,908.68	31.01	159.312		
3,300.00	3,237.78	4,265.54	4,205.15	15.98	17.46	62.89	-776.90	5,067.47	4,908.36	4,876.58	31.78	154.435		
3,400.00	3,335.47	4,302.00	4,240.71	16.47	17.65	63.02	-778.23	5,059.52	4,878.20	4,845.71	32.48	150.173		
3,500.00	3,433.15	4,346.08	4,283.80	16.96	17.87	63.17	-779.79	5,050.39	4,849.14	4,815.93	33.21	146.006		
3,600.00	3,530.84	4,396.00	4,332.75	17.45	18.11	63.34	-781.42	5,040.73	4,821.24	4,787.28	33.96	141.955		
3,700.00	3,628.53	4,440.56	4,376.54	17.94	18.33	63.48	-782.76	5,032.55	4,794.35	4,759.65	34.69	138.192		
3,800.00	3,726.21	4,490.00	4,425.18	18.43	18.57	63.65	-784.11	5,023.81	4,768.30	4,732.85	35.44	134.537		
3,900.00	3,823.90	4,535.44	4,469.97	18.92	18.79	63.80	-785.24	5,016.25	4,743.29	4,707.11	36.17	131.125		
4,000.00	3,921.58	4,583.00	4,516.97	19.41	19.01	63.95	-786.32	5,009.02	4,719.51	4,682.60	36.91	127.854		
4,100.00	4,019.27	4,583.00	4,516.97	19.90	19.01	63.95	-786.32	5,009.02	4,697.17	4,659.70	37.47	125.361		
4,200.00	4,116.96	4,641.31	4,574.75	20.39	19.28	64.13	-787.49	5,001.35	4,675.80	4,637.56	38.24	122.272		
4,300.00	4,214.64	4,677.00	4,610.22	20.88	19.44	64.24	-788.11	4,997.38	4,656.03	4,617.10	38.92	119.616		
4,400.00	4,312.33	4,727.51	4,660.48	21.37	19.66	64.39	-788.75	4,992.43	4,637.46	4,597.80	39.66	116.932		
4,500.00	4,410.01	4,771.00	4,703.80	21.87	19.85	64.51	-788.99	4,988.60	4,619.86	4,579.49	40.36	114.453		
4,600.00	4,507.70	4,825.68	4,758.32	22.36	20.09	64.66	-788.83	4,984.51	4,603.31	4,562.20	41.11	111.984		
4,700.00	4,605.39	4,864.00	4,796.57	22.85	20.25	64.75	-788.36	4,982.22	4,587.97	4,546.19	41.78	109.808		
4,800.00	4,703.07	4,917.18	4,849.69	23.35	20.47	64.88	-787.58	4,979.71	4,573.77	4,531.26	42.51	107.597		
4,900.00	4,800.76	4,958.00	4,890.48	23.84	20.64	64.98	-787.08	4,978.24	4,560.75	4,517.57	43.18	105.617		
5,000.00	4,898.44	5,026.22	4,958.67	24.33	20.92	65.15	-786.47	4,976.38	4,548.69	4,504.73	43.96	103.467		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,065.90	4,998.34	24.83	21.08	65.25	-786.25	4,975.54	4,537.58	4,492.95	44.62	101.686		
5,200.00	5,093.82	5,065.90	4,998.34	25.32	21.08	65.25	-786.25	4,975.54	4,528.37	4,483.27	45.10	100.397		
5,300.00	5,191.50	5,065.90	4,998.34	25.82	21.08	65.25	-786.25	4,975.54	4,521.36	4,475.80	45.57	99.225		
5,400.00	5,289.19	5,065.90	4,998.34	26.31	21.08	65.25	-786.25	4,975.54	4,516.56	4,470.55	46.01	98.167		
5,500.00	5,386.87	5,065.90	4,998.34	26.81	21.08	65.25	-786.25	4,975.54	4,513.96	4,467.53	46.43	97.220		
5,567.17	5,452.49	5,065.90	4,998.34	27.14	21.08	65.25	-786.25	4,975.54	4,513.46	4,466.76	46.70	96.645 CC		
5,600.00	5,484.56	5,065.90	4,998.34	27.30	21.08	65.25	-786.25	4,975.54	4,513.58	4,466.75	46.83	96.382 ES		
5,700.00	5,582.25	5,065.90	4,998.34	27.80	21.08	65.25	-786.25	4,975.54	4,515.42	4,468.21	47.21	95.648		
5,800.00	5,679.93	5,065.90	4,998.34	28.29	21.08	65.25	-786.25	4,975.54	4,519.47	4,471.90	47.56	95.018		
5,900.00	5,777.62	5,065.90	4,998.34	28.79	21.08	65.25	-786.25	4,975.54	4,525.72	4,477.82	47.90	94.488		
6,000.00	5,875.30	5,065.90	4,998.34	29.28	21.08	65.25	-786.25	4,975.54	4,534.17	4,485.96	48.21	94.056		
6,100.00	5,972.99	5,065.90	4,998.34	29.78	21.08	65.25	-786.25	4,975.54	4,544.81	4,496.31	48.49	93.719		
6,200.00	6,070.67	5,065.90	4,998.34	30.27	21.08	65.25	-786.25	4,975.54	4,557.61	4,508.85	48.76	93.475		
6,300.00	6,168.36	5,065.90	4,998.34	30.77	21.08	65.25	-786.25	4,975.54	4,572.57	4,523.57	49.00	93.322		
6,400.00	6,266.05	5,065.90	4,998.34	31.26	21.08	65.25	-786.25	4,975.54	4,589.66	4,540.44	49.22	93.257 SF		
6,500.00	6,363.73	5,065.90	4,998.34	31.76	21.08	65.25	-786.25	4,975.54	4,608.85	4,559.44	49.41	93.277		
6,534.50	6,397.43	5,065.90	4,998.34	31.93	21.08	65.25	-786.25	4,975.54	4,615.96	4,566.49	49.47	93.304		
6,550.00	6,412.60	5,065.90	4,998.34	32.01	21.08	70.17	-786.25	4,975.54	4,619.40	4,569.90	49.50	93.323		
6,600.00	6,461.82	5,065.90	4,998.34	32.24	21.08	92.30	-786.25	4,975.54	4,633.16	4,583.59	49.57	93.465		
6,650.00	6,511.25	5,065.90	4,998.34	32.45	21.08	122.02	-786.25	4,975.54	4,650.86	4,601.24	49.62	93.729		
6,700.00	6,560.58	5,065.90	4,998.34	32.64	21.08	147.95	-786.25	4,975.54	4,672.35	4,622.70	49.65	94.115		
6,750.00	6,609.51	5,065.90	4,998.34	32.83	21.08	164.79	-786.25	4,975.54	4,697.44	4,647.79	49.65	94.611		
6,800.00	6,657.74	5,065.90	4,998.34	33.01	21.08	175.54	-786.25	4,975.54	4,725.92	4,676.28	49.64	95.203		
6,850.00	6,704.97	5,065.90	4,998.34	33.18	21.08	-176.87	-786.25	4,975.54	4,757.57	4,707.95	49.62	95.879		
6,900.00	6,750.90	5,065.90	4,998.34	33.36	21.08	-170.85	-786.25	4,975.54	4,792.12	4,742.53	49.59	96.629		
6,950.00	6,795.26	5,065.90	4,998.34	33.54	21.08	-165.48	-786.25	4,975.54	4,829.30	4,779.74	49.56	97.442		
7,000.00	6,837.77	5,065.90	4,998.34	33.73	21.08	-160.20	-786.25	4,975.54	4,868.82	4,819.29	49.53	98.307		
7,050.00	6,878.17	5,065.90	4,998.34	33.92	21.08	-154.55	-786.25	4,975.54	4,910.39	4,860.90	49.49	99.213		
7,100.00	6,916.21	5,065.90	4,998.34	34.13	21.08	-148.13	-786.25	4,975.54	4,953.70	4,904.24	49.46	100.149		
7,150.00	6,951.66	5,065.90	4,998.34	34.36	21.08	-140.47	-786.25	4,975.54	4,998.45	4,949.01	49.44	101.104		
7,200.00	6,984.29	5,065.90	4,998.34	34.61	21.08	-131.16	-786.25	4,975.54	5,044.32	4,994.90	49.42	102.065		
7,250.00	7,013.91	5,065.90	4,998.34	34.89	21.08	-119.92	-786.25	4,975.54	5,091.00	5,041.58	49.42	103.019		
7,300.00	7,040.34	5,065.90	4,998.34	35.20	21.08	-106.94	-786.25	4,975.54	5,138.19	5,088.77	49.43	103.956		
7,350.00	7,063.40	5,065.90	4,998.34	35.55	21.08	-93.18	-786.25	4,975.54	5,185.59	5,136.14	49.45	104.863		
7,400.00	7,082.97	5,065.90	4,998.34	35.94	21.08	-80.06	-786.25	4,975.54	5,232.90	5,183.41	49.49	105.729		
7,450.00	7,098.91	5,065.90	4,998.34	36.36	21.08	-68.69	-786.25	4,975.54	5,279.84	5,230.29	49.56	106.543		
7,500.00	7,111.13	5,065.90	4,998.34	36.83	21.08	-59.46	-786.25	4,975.54	5,326.13	5,276.49	49.64	107.295		
7,550.00	7,119.55	5,065.90	4,998.34	37.34	21.08	-52.21	-786.25	4,975.54	5,371.51	5,321.76	49.75	107.977		
7,600.00	7,124.13	5,065.90	4,998.34	37.88	21.08	-46.58	-786.25	4,975.54	5,415.72	5,365.84	49.88	108.581		
7,639.68	7,125.00	5,065.90	4,998.34	38.33	21.08	-43.02	-786.25	4,975.54	5,449.82	5,399.82	50.00	109.004		
7,700.00	7,124.48	5,065.90	4,998.34	39.05	21.08	-43.02	-786.25	4,975.54	5,501.01	5,450.81	50.20	109.584		
7,800.00	7,123.60	5,065.90	4,998.34	40.40	21.08	-43.02	-786.25	4,975.54	5,586.28	5,535.73	50.55	110.506		
7,900.00	7,122.72	5,065.90	4,998.34	41.90	21.08	-43.02	-786.25	4,975.54	5,672.03	5,621.11	50.92	111.394		
8,000.00	7,121.84	5,065.90	4,998.34	43.54	21.08	-43.02	-786.25	4,975.54	5,758.24	5,706.94	51.30	112.254		
8,100.00	7,120.97	5,065.90	4,998.34	45.30	21.08	-43.02	-786.25	4,975.54	5,844.89	5,793.20	51.68	113.089		
8,200.00	7,120.09	5,065.90	4,998.34	47.17	21.08	-43.02	-786.25	4,975.54	5,931.96	5,879.88	52.08	113.903		
8,300.00	7,119.21	5,065.90	4,998.34	49.13	21.08	-43.02	-786.25	4,975.54	6,019.43	5,966.95	52.48	114.701		
8,400.00	7,118.33	5,065.90	4,998.34	51.18	21.08	-43.02	-786.25	4,975.54	6,107.28	6,054.40	52.88	115.486		
8,500.00	7,117.46	5,065.90	4,998.34	53.30	21.08	-43.02	-786.25	4,975.54	6,195.51	6,142.22	53.29	116.259		
8,600.00	7,116.58	5,065.90	4,998.34	55.48	21.08	-43.02	-786.25	4,975.54	6,284.09	6,230.39	53.70	117.024		
8,700.00	7,115.70	5,065.90	4,998.34	57.72	21.08	-43.02	-786.25	4,975.54	6,373.00	6,318.89	54.11	117.782		
8,800.00	7,114.82	5,065.90	4,998.34	60.02	21.08	-43.02	-786.25	4,975.54	6,462.24	6,407.72	54.52	118.536		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	5,065.90	4,998.34	62.36	21.08	-43.02	-786.25	4,975.54	6,551.79	6,496.86	54.92	119.286		
9,000.00	7,113.07	5,065.90	4,998.34	64.74	21.08	-43.02	-786.25	4,975.54	6,641.64	6,586.31	55.33	120.035		
9,100.00	7,112.19	5,065.90	4,998.34	67.15	21.08	-43.02	-786.25	4,975.54	6,731.77	6,676.04	55.73	120.783		
9,200.00	7,111.31	5,065.90	4,998.34	69.60	21.08	-43.02	-786.25	4,975.54	6,822.18	6,766.04	56.14	121.531		
9,300.00	7,110.44	5,065.90	4,998.34	72.08	21.08	-43.02	-786.25	4,975.54	6,912.85	6,856.32	56.53	122.281		
9,400.00	7,109.56	5,065.90	4,998.34	74.58	21.08	-43.02	-786.25	4,975.54	7,003.78	6,946.85	56.93	123.032		
9,500.00	7,108.68	5,065.90	4,998.34	77.10	21.08	-43.02	-786.25	4,975.54	7,094.95	7,037.64	57.32	123.786		
9,600.00	7,107.81	5,065.90	4,998.34	79.65	21.08	-43.02	-786.25	4,975.54	7,186.36	7,128.66	57.70	124.542		
9,700.00	7,106.93	5,065.90	4,998.34	82.22	21.08	-43.02	-786.25	4,975.54	7,277.99	7,219.91	58.08	125.302		
9,800.00	7,106.05	5,065.90	4,998.34	84.80	21.08	-43.02	-786.25	4,975.54	7,369.84	7,311.38	58.46	126.065		
9,900.00	7,105.17	5,065.90	4,998.34	87.40	21.08	-43.02	-786.25	4,975.54	7,461.90	7,403.07	58.83	126.832		
10,000.00	7,104.30	5,065.90	4,998.34	90.02	21.08	-43.02	-786.25	4,975.54	7,554.16	7,494.96	59.20	127.602		
10,100.00	7,103.42	5,065.90	4,998.34	92.64	21.08	-43.02	-786.25	4,975.54	7,646.62	7,587.05	59.56	128.377		
10,200.00	7,102.54	5,065.90	4,998.34	95.28	21.08	-43.02	-786.25	4,975.54	7,739.26	7,679.34	59.92	129.156		
10,300.00	7,101.66	5,065.90	4,998.34	97.94	21.08	-43.02	-786.25	4,975.54	7,832.08	7,771.81	60.28	129.939		
10,400.00	7,100.79	5,065.90	4,998.34	100.60	21.08	-43.02	-786.25	4,975.54	7,925.08	7,864.46	60.62	130.726		
10,500.00	7,099.91	5,065.90	4,998.34	103.27	21.08	-43.02	-786.25	4,975.54	8,018.25	7,957.28	60.97	131.518		
10,600.00	7,099.03	5,065.90	4,998.34	105.95	21.08	-43.02	-786.25	4,975.54	8,111.58	8,050.28	61.31	132.313		
10,700.00	7,098.15	5,065.90	4,998.34	108.64	21.08	-43.02	-786.25	4,975.54	8,205.07	8,143.43	61.64	133.113		
10,800.00	7,097.28	5,065.90	4,998.34	111.33	21.08	-43.02	-786.25	4,975.54	8,298.71	8,236.74	61.97	133.917		
10,900.00	7,096.40	5,065.90	4,998.34	114.04	21.08	-43.02	-786.25	4,975.54	8,392.49	8,330.20	62.29	134.725		
11,000.00	7,095.52	5,065.90	4,998.34	116.74	21.08	-43.02	-786.25	4,975.54	8,486.42	8,423.81	62.61	135.537		
11,100.00	7,094.64	5,065.90	4,998.34	119.46	21.08	-43.02	-786.25	4,975.54	8,580.49	8,517.56	62.93	136.353		
11,200.00	7,093.77	5,065.90	4,998.34	122.18	21.08	-43.02	-786.25	4,975.54	8,674.69	8,611.45	63.24	137.172		
11,300.00	7,092.89	5,065.90	4,998.34	124.91	21.08	-43.02	-786.25	4,975.54	8,769.01	8,705.47	63.55	137.995		
11,400.00	7,092.01	5,065.90	4,998.34	127.64	21.08	-43.02	-786.25	4,975.54	8,863.46	8,799.62	63.85	138.822		
11,500.00	7,091.13	5,065.90	4,998.34	130.38	21.08	-43.02	-786.25	4,975.54	8,958.03	8,893.89	64.15	139.652		
11,600.00	7,090.26	5,065.90	4,998.34	133.12	21.08	-43.02	-786.25	4,975.54	9,052.72	8,988.28	64.44	140.486		
11,700.00	7,089.38	5,065.90	4,998.34	135.86	21.08	-43.02	-786.25	4,975.54	9,147.52	9,082.79	64.73	141.322		
11,800.00	7,088.50	5,065.90	4,998.34	138.61	21.08	-43.02	-786.25	4,975.54	9,242.43	9,177.42	65.01	142.162		
11,900.00	7,087.63	5,065.90	4,998.34	141.36	21.08	-43.02	-786.25	4,975.54	9,337.45	9,272.16	65.29	143.005		
12,000.00	7,086.75	5,065.90	4,998.34	144.12	21.08	-43.02	-786.25	4,975.54	9,432.57	9,367.00	65.57	143.850		
12,100.00	7,085.87	5,065.90	4,998.34	146.88	21.08	-43.02	-786.25	4,975.54	9,527.79	9,461.94	65.85	144.699		
12,200.00	7,084.99	5,065.90	4,998.34	149.64	21.08	-43.02	-786.25	4,975.54	9,623.11	9,556.99	66.12	145.550		
12,300.00	7,084.12	5,065.90	4,998.34	152.40	21.08	-43.02	-786.25	4,975.54	9,718.52	9,652.14	66.38	146.403		
12,400.00	7,083.24	5,065.90	4,998.34	155.17	21.08	-43.02	-786.25	4,975.54	9,814.02	9,747.38	66.64	147.259		
12,500.00	7,082.36	5,065.90	4,998.34	157.94	21.08	-43.02	-786.25	4,975.54	9,909.61	9,842.71	66.90	148.117		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.36	-721.77	5,584.34	5,631.01					
100.00	100.00	53.97	53.97	3.28	3.28	97.37	-721.87	5,584.31	5,630.77	5,624.21	6.57	857.465		
200.00	200.00	153.16	153.16	3.34	3.31	97.37	-722.47	5,584.13	5,630.68	5,624.03	6.65	847.107		
300.00	299.98	260.80	260.80	3.44	3.40	52.89	-723.23	5,583.97	5,629.57	5,622.72	6.85	822.215		
400.00	399.84	385.04	385.03	3.61	3.58	53.01	-723.86	5,583.38	5,626.00	5,618.82	7.18	783.192		
500.00	499.45	486.22	486.21	3.81	3.78	53.18	-724.05	5,582.67	5,620.09	5,612.51	7.58	741.251		
600.00	598.70	2,061.66	2,037.92	4.06	12.50	54.44	-628.33	5,379.78	5,600.89	5,586.94	13.96	401.335		
700.00	697.47	2,248.21	2,216.16	4.35	14.50	55.13	-602.60	5,331.11	5,564.05	5,548.86	15.19	366.303		
800.00	795.62	2,329.05	2,293.26	4.66	15.40	55.87	-590.95	5,309.81	5,525.31	5,509.41	15.89	347.678		
817.50	812.73	2,345.31	2,308.78	4.73	15.59	56.01	-588.59	5,305.53	5,518.35	5,502.32	16.04	344.141		
900.00	893.32	2,433.26	2,392.66	5.01	16.58	56.09	-575.89	5,282.36	5,485.40	5,468.65	16.76	327.383		
1,000.00	991.01	2,547.95	2,501.82	5.38	17.91	56.18	-558.57	5,251.73	5,445.00	5,427.29	17.71	307.443		
1,100.00	1,088.69	1,100.00	2,745.34	5.77	5.92	56.34	-515.67	5,178.95	5,402.69	5,392.73	9.96	542.373		
1,200.00	1,186.38	2,847.66	2,784.76	6.18	21.82	56.37	-508.55	5,166.60	5,359.65	5,339.45	20.20	265.319		
1,300.00	1,284.06	2,900.00	2,834.35	6.60	22.52	56.41	-500.40	5,151.97	5,317.82	5,296.94	20.88	254.666		
1,400.00	1,381.75	2,929.17	2,862.09	7.03	22.88	56.44	-496.11	5,144.04	5,276.72	5,255.29	21.43	246.248		
1,500.00	1,479.44	3,089.62	3,014.60	7.47	24.85	56.60	-473.35	5,099.70	5,235.84	5,213.14	22.70	230.670		
1,600.00	1,577.12	3,131.61	3,054.43	7.91	25.35	56.64	-467.40	5,087.82	5,194.25	5,170.92	23.34	222.575		
1,700.00	1,674.81	3,164.38	3,085.64	8.37	25.74	56.67	-462.79	5,078.93	5,153.69	5,129.76	23.94	215.289		
1,800.00	1,772.49	3,200.00	3,119.67	8.82	26.17	56.71	-457.82	5,069.66	5,114.18	5,089.62	24.57	208.189		
1,900.00	1,870.18	3,275.16	3,191.69	9.28	26.97	56.79	-448.01	5,050.53	5,075.36	5,049.97	25.38	199.961		
2,000.00	1,967.87	3,337.63	3,251.67	9.75	27.61	56.87	-440.73	5,034.66	5,036.86	5,010.73	26.13	192.765		
2,100.00	2,065.55	3,400.00	3,311.72	10.22	28.23	56.96	-433.91	5,019.24	4,999.05	4,972.18	26.87	186.016		
2,200.00	2,163.24	3,457.65	3,367.33	10.69	28.77	57.04	-427.94	5,005.30	4,961.86	4,934.27	27.59	179.829		
2,300.00	2,260.92	3,525.11	3,432.51	11.16	29.40	57.15	-421.24	4,989.24	4,925.16	4,896.80	28.36	173.696		
2,400.00	2,358.61	3,592.68	3,497.86	11.64	30.01	57.25	-414.30	4,973.53	4,888.96	4,859.83	29.12	167.879		
2,500.00	2,456.30	4,100.00	3,980.86	12.12	36.16	57.89	-347.95	4,834.56	4,845.33	4,813.35	31.99	151.485		
2,600.00	2,553.98	4,138.90	4,017.47	12.59	36.69	57.94	-341.96	4,822.88	4,802.03	4,769.34	32.69	146.918		
2,700.00	2,651.67	4,200.00	4,075.40	13.08	37.52	58.02	-333.57	4,805.34	4,759.99	4,726.50	33.49	142.126		
2,800.00	2,749.35	4,200.00	4,075.40	13.56	37.52	58.02	-333.57	4,805.34	4,718.65	4,684.64	34.01	138.731		
2,900.00	2,847.04	4,266.37	4,138.65	14.04	38.30	58.11	-324.85	4,787.21	4,678.30	4,643.47	34.83	134.319		
3,000.00	2,944.72	4,446.54	4,309.92	14.52	40.54	58.33	-299.18	4,737.58	4,637.56	4,601.38	36.18	128.189		
3,100.00	3,042.41	4,700.00	4,547.64	15.01	44.36	58.60	-257.55	4,660.31	4,592.49	4,554.51	37.98	120.923		
3,200.00	3,140.10	4,756.60	4,600.56	15.50	45.23	58.67	-248.73	4,642.27	4,547.64	4,508.84	38.80	117.211		
3,300.00	3,237.78	4,800.00	4,641.34	15.98	45.91	58.72	-241.78	4,629.14	4,503.97	4,464.41	39.56	113.850		
3,400.00	3,335.47	4,845.30	4,684.03	16.47	46.53	58.77	-234.36	4,615.91	4,461.23	4,420.89	40.34	110.601		
3,500.00	3,433.15	4,900.00	4,735.65	16.96	47.28	58.83	-225.18	4,600.35	4,419.21	4,378.05	41.16	107.368		
3,600.00	3,530.84	4,965.56	4,797.65	17.45	48.13	58.90	-214.11	4,582.15	4,377.82	4,335.78	42.03	104.149		
3,700.00	3,628.53	5,000.00	4,830.28	17.94	48.58	58.93	-208.36	4,572.73	4,337.15	4,294.38	42.76	101.423		
3,800.00	3,726.21	5,060.29	4,887.58	18.43	49.28	59.00	-198.49	4,556.81	4,297.29	4,253.69	43.60	98.561		
3,900.00	3,823.90	5,100.00	4,925.50	18.92	49.75	59.04	-192.16	4,546.83	4,258.60	4,214.26	44.35	96.033		
4,000.00	3,921.58	5,156.88	4,980.02	19.41	50.32	59.12	-183.81	4,532.97	4,220.87	4,175.73	45.13	93.517		
4,100.00	4,019.27	5,200.00	5,021.52	19.90	50.76	59.19	-178.30	4,522.64	4,184.01	4,138.15	45.87	91.224		
4,200.00	4,116.96	5,200.00	5,021.52	20.39	50.76	59.19	-178.30	4,522.64	4,148.86	4,102.44	46.42	89.379		
4,300.00	4,214.64	5,256.02	5,075.79	20.88	51.20	59.29	-172.05	4,510.24	4,114.45	4,067.29	47.16	87.251		
4,400.00	4,312.33	5,300.00	5,118.73	21.37	51.54	59.37	-167.75	4,501.78	4,082.17	4,034.32	47.85	85.312		
4,500.00	4,410.01	5,316.62	5,135.02	21.87	51.64	59.40	-166.25	4,498.81	4,051.18	4,002.74	48.43	83.645		
4,600.00	4,507.70	5,371.63	5,189.00	22.36	51.96	59.52	-161.72	4,489.26	4,021.45	3,972.32	49.13	81.851		
4,700.00	4,605.39	5,400.00	5,216.89	22.85	52.12	59.58	-159.63	4,484.50	3,992.86	3,943.13	49.74	80.277		
4,800.00	4,703.07	5,457.14	5,273.20	23.35	52.39	59.72	-155.88	4,475.56	3,965.40	3,914.98	50.42	78.646		
4,900.00	4,800.76	5,500.00	5,315.57	23.84	52.59	59.82	-153.43	4,469.57	3,939.47	3,888.41	51.05	77.162		
5,000.00	4,898.44	5,531.25	5,346.53	24.33	52.70	59.90	-151.82	4,465.63	3,914.99	3,863.36	51.64	75.820		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,566.39	5,381.41	24.83	52.82	59.98	-150.13	4,461.71	3,892.08	3,839.86	52.22	74.533		
5,200.00	5,093.82	5,600.00	5,414.83	25.32	52.94	60.07	-148.64	4,458.45	3,870.74	3,817.95	52.79	73.323		
5,300.00	5,191.50	5,668.09	5,482.60	25.82	53.13	60.24	-145.71	4,452.64	3,850.58	3,797.11	53.47	72.010		
5,400.00	5,289.19	5,732.90	5,547.16	26.31	53.31	60.39	-142.86	4,447.69	3,831.29	3,777.15	54.14	70.763		
5,500.00	5,386.87	5,800.00	5,614.04	26.81	53.48	60.56	-140.00	4,443.13	3,812.88	3,758.06	54.82	69.554		
5,600.00	5,484.56	5,856.95	5,670.85	27.30	53.62	60.70	-137.86	4,439.73	3,795.43	3,739.98	55.45	68.446		
5,700.00	5,582.25	5,917.44	5,731.24	27.80	53.76	60.86	-136.10	4,436.60	3,779.02	3,722.93	56.09	67.373		
5,800.00	5,679.93	5,981.52	5,795.24	28.29	53.90	61.04	-134.86	4,433.72	3,763.57	3,706.83	56.74	66.334		
5,900.00	5,777.62	6,052.52	5,866.18	28.79	54.05	61.24	-134.09	4,430.98	3,749.00	3,691.60	57.41	65.307		
6,000.00	5,875.30	6,129.77	5,943.39	29.28	54.22	61.47	-133.61	4,428.40	3,735.13	3,677.03	58.10	64.290		
6,100.00	5,972.99	6,213.26	6,026.84	29.78	54.39	61.72	-133.42	4,425.87	3,721.76	3,662.94	58.82	63.278		
6,200.00	6,070.67	6,297.24	6,110.78	30.27	54.57	61.98	-133.66	4,423.53	3,708.85	3,649.31	59.54	62.295		
6,300.00	6,168.36	6,378.46	6,191.98	30.77	54.74	62.24	-134.24	4,421.50	3,696.42	3,636.17	60.25	61.355		
6,400.00	6,266.05	6,479.13	6,292.61	31.26	54.95	62.56	-135.23	4,419.15	3,684.34	3,623.29	61.04	60.358		
6,500.00	6,363.73	6,589.00	6,402.44	31.76	55.19	62.92	-136.62	4,416.17	3,672.09	3,610.21	61.88	59.343		
6,534.50	6,397.43	6,621.64	6,435.06	31.93	55.26	63.03	-137.06	4,415.22	3,667.83	3,605.68	62.15	59.019		
6,550.00	6,412.60	6,635.35	6,448.76	32.01	55.29	67.83	-137.26	4,414.82	3,666.10	3,603.84	62.26	58.881		
6,600.00	6,461.82	6,679.87	6,493.26	32.24	55.38	89.53	-137.97	4,413.54	3,663.02	3,600.39	62.63	58.486		
6,615.71	6,477.35	6,693.93	6,507.31	32.31	55.42	98.30	-138.22	4,413.14	3,662.83	3,600.09	62.74	58.380 CC, ES		
6,650.00	6,511.25	6,732.25	6,545.61	32.45	55.50	118.77	-138.89	4,412.04	3,663.69	3,600.67	63.02	58.136		
6,700.00	6,560.58	6,790.90	6,604.22	32.64	55.63	144.11	-139.81	4,410.27	3,667.98	3,604.56	63.42	57.838		
6,750.00	6,609.51	6,846.97	6,660.25	32.83	55.76	160.24	-140.63	4,408.46	3,675.83	3,612.04	63.80	57.619		
6,800.00	6,657.74	6,901.99	6,715.24	33.01	55.88	170.11	-141.46	4,406.57	3,687.23	3,623.07	64.16	57.471		
6,850.00	6,704.97	6,936.70	6,749.92	33.18	55.96	176.58	-142.02	4,405.40	3,702.23	3,637.80	64.43	57.465 SF		
6,900.00	6,750.90	6,971.14	6,784.34	33.36	56.04	-178.77	-142.62	4,404.35	3,720.83	3,656.15	64.68	57.523		
6,950.00	6,795.26	7,008.55	6,821.73	33.54	56.12	-175.14	-143.32	4,403.31	3,742.91	3,677.96	64.95	57.629		
7,000.00	6,837.77	7,070.78	6,883.92	33.73	56.26	-172.09	-144.49	4,401.45	3,768.10	3,702.79	65.31	57.692		
7,050.00	6,878.17	7,118.00	7,001.02	33.92	56.34	-169.46	-146.45	4,396.63	3,795.97	3,730.07	65.90	57.601		
7,100.00	6,916.21	7,222.76	7,035.74	34.13	56.63	-166.86	-146.92	4,394.80	3,826.17	3,760.03	66.14	57.848		
7,150.00	6,951.66	7,245.62	7,058.57	34.36	56.68	-164.19	-147.13	4,393.71	3,859.26	3,792.93	66.33	58.186		
7,200.00	6,984.29	7,266.64	7,079.57	34.61	56.73	-161.32	-147.27	4,392.82	3,895.05	3,828.51	66.50	58.573		
7,250.00	7,013.91	7,285.69	7,098.60	34.89	56.78	-158.09	-147.33	4,392.08	3,933.17	3,866.51	66.66	59.007		
7,300.00	7,040.34	7,300.00	7,112.91	35.20	56.81	-154.29	-147.35	4,391.58	3,973.49	3,906.70	66.79	59.492		
7,350.00	7,063.40	7,321.95	7,134.84	35.55	56.87	-149.81	-147.35	4,390.87	4,015.69	3,948.74	66.96	59.975		
7,400.00	7,082.97	7,337.85	7,150.74	35.94	56.90	-144.22	-147.34	4,390.38	4,059.49	3,992.40	67.09	60.505		
7,450.00	7,098.91	7,350.95	7,163.83	36.36	56.94	-137.19	-147.34	4,389.99	4,104.62	4,037.40	67.22	61.063		
7,500.00	7,111.13	7,361.20	7,174.07	36.83	56.96	-128.29	-147.33	4,389.70	4,150.79	4,083.46	67.33	61.644		
7,550.00	7,119.55	7,368.55	7,181.42	37.34	56.98	-117.25	-147.32	4,389.50	4,197.72	4,130.28	67.44	62.244		
7,600.00	7,124.13	7,372.99	7,185.86	37.88	56.99	-104.30	-147.32	4,389.38	4,245.12	4,177.58	67.54	62.857		
7,639.68	7,125.00	7,374.44	7,187.31	38.33	56.99	-93.33	-147.31	4,389.34	4,282.87	4,215.26	67.61	63.349		
7,700.00	7,124.48	7,375.25	7,188.12	39.05	56.99	-93.37	-147.31	4,389.31	4,340.31	4,272.59	67.72	64.097		
7,800.00	7,123.60	7,376.58	7,189.45	40.40	57.00	-93.43	-147.31	4,389.28	4,435.70	4,367.80	67.90	65.325		
7,900.00	7,122.72	7,377.89	7,190.76	41.90	57.00	-93.48	-147.31	4,389.24	4,531.29	4,463.19	68.10	66.539		
8,000.00	7,121.84	7,379.18	7,192.05	43.54	57.00	-93.54	-147.31	4,389.21	4,627.07	4,558.77	68.31	67.741		
8,100.00	7,120.97	7,380.46	7,193.33	45.30	57.01	-93.60	-147.31	4,389.18	4,723.02	4,654.51	68.52	68.932		
8,200.00	7,120.09	7,381.72	7,194.59	47.17	57.01	-93.65	-147.31	4,389.14	4,819.14	4,750.40	68.73	70.113		
8,300.00	7,119.21	7,382.97	7,195.84	49.13	57.01	-93.70	-147.30	4,389.11	4,915.41	4,846.45	68.96	71.284		
8,400.00	7,118.33	7,384.20	7,197.07	51.18	57.01	-93.76	-147.30	4,389.08	5,011.82	4,942.64	69.18	72.446		
8,500.00	7,117.46	7,385.41	7,198.28	53.30	57.02	-93.81	-147.30	4,389.05	5,108.38	5,038.97	69.41	73.601		
8,600.00	7,116.58	7,386.61	7,199.48	55.48	57.02	-93.86	-147.30	4,389.02	5,205.06	5,135.43	69.63	74.748		
8,700.00	7,115.70	7,387.80	7,200.66	57.72	57.02	-93.91	-147.30	4,388.98	5,301.87	5,232.00	69.86	75.889		
8,800.00	7,114.82	7,388.97	7,201.83	60.02	57.03	-93.96	-147.30	4,388.95	5,398.79	5,328.70	70.09	77.023		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	7,390.13	7,202.99	62.36	57.03	-94.01	-147.30	4,388.92	5,495.82	5,425.50	70.32	78.152		
9,000.00	7,113.07	7,400.00	7,212.86	64.74	57.05	-94.44	-147.28	4,388.68	5,592.97	5,522.38	70.58	79.238		
9,100.00	7,112.19	7,400.00	7,212.86	67.15	57.05	-94.44	-147.28	4,388.68	5,690.20	5,619.39	70.81	80.361		
9,200.00	7,111.31	7,400.00	7,212.86	69.60	57.05	-94.44	-147.28	4,388.68	5,787.53	5,716.50	71.03	81.479		
9,300.00	7,110.44	7,400.00	7,212.86	72.08	57.05	-94.44	-147.28	4,388.68	5,884.94	5,813.69	71.25	82.593		
9,400.00	7,109.56	7,400.00	7,212.86	74.58	57.05	-94.44	-147.28	4,388.68	5,982.44	5,910.97	71.47	83.703		
9,500.00	7,108.68	7,400.00	7,212.86	77.10	57.05	-94.44	-147.28	4,388.68	6,080.03	6,008.34	71.69	84.809		
9,600.00	7,107.81	7,400.00	7,212.86	79.65	57.05	-94.44	-147.28	4,388.68	6,177.69	6,105.78	71.91	85.912		
9,700.00	7,106.93	7,400.00	7,212.86	82.22	57.05	-94.44	-147.28	4,388.68	6,275.42	6,203.30	72.12	87.011		
9,800.00	7,106.05	7,400.00	7,212.86	84.80	57.05	-94.44	-147.28	4,388.68	6,373.22	6,300.89	72.34	88.107		
9,900.00	7,105.17	7,400.00	7,212.86	87.40	57.05	-94.44	-147.28	4,388.68	6,471.10	6,398.55	72.55	89.200		
10,000.00	7,104.30	7,400.00	7,212.86	90.02	57.05	-94.44	-147.28	4,388.68	6,569.03	6,496.28	72.76	90.290		
10,100.00	7,103.42	7,400.00	7,212.86	92.64	57.05	-94.44	-147.28	4,388.68	6,667.03	6,594.07	72.96	91.377		
10,200.00	7,102.54	7,400.00	7,212.86	95.28	57.05	-94.44	-147.28	4,388.68	6,765.08	6,691.92	73.17	92.461		
10,300.00	7,101.66	7,400.00	7,212.86	97.94	57.05	-94.44	-147.28	4,388.68	6,863.20	6,789.83	73.37	93.543		
10,400.00	7,100.79	7,400.00	7,212.86	100.60	57.05	-94.44	-147.28	4,388.68	6,961.36	6,887.79	73.57	94.623		
10,500.00	7,099.91	7,400.00	7,212.86	103.27	57.05	-94.44	-147.28	4,388.68	7,059.58	6,985.81	73.77	95.700		
10,600.00	7,099.03	7,400.00	7,212.86	105.95	57.05	-94.44	-147.28	4,388.68	7,157.84	7,083.88	73.96	96.774		
10,700.00	7,098.15	7,400.00	7,212.86	108.64	57.05	-94.44	-147.28	4,388.68	7,256.16	7,182.00	74.16	97.847		
10,800.00	7,097.28	7,400.00	7,212.86	111.33	57.05	-94.44	-147.28	4,388.68	7,354.52	7,280.16	74.35	98.917		
10,900.00	7,096.40	7,400.00	7,212.86	114.04	57.05	-94.44	-147.28	4,388.68	7,452.92	7,378.38	74.54	99.985		
11,000.00	7,095.52	7,400.00	7,212.86	116.74	57.05	-94.44	-147.28	4,388.68	7,551.36	7,476.63	74.73	101.051		
11,100.00	7,094.64	7,400.00	7,212.86	119.46	57.05	-94.44	-147.28	4,388.68	7,649.85	7,574.93	74.91	102.115		
11,200.00	7,093.77	7,400.00	7,212.86	122.18	57.05	-94.44	-147.28	4,388.68	7,748.37	7,673.27	75.10	103.176		
11,300.00	7,092.89	7,400.00	7,212.86	124.91	57.05	-94.44	-147.28	4,388.68	7,846.93	7,771.65	75.28	104.236		
11,400.00	7,092.01	7,400.00	7,212.86	127.64	57.05	-94.44	-147.28	4,388.68	7,945.53	7,870.07	75.46	105.294		
11,500.00	7,091.13	7,400.00	7,212.86	130.38	57.05	-94.44	-147.28	4,388.68	8,044.16	7,968.52	75.64	106.349		
11,600.00	7,090.26	7,400.00	7,212.86	133.12	57.05	-94.44	-147.28	4,388.68	8,142.83	8,067.01	75.82	107.403		
11,700.00	7,089.38	7,400.00	7,212.86	135.86	57.05	-94.44	-147.28	4,388.68	8,241.52	8,165.53	75.99	108.455		
11,800.00	7,088.50	7,400.00	7,212.86	138.61	57.05	-94.44	-147.28	4,388.68	8,340.25	8,264.09	76.16	109.505		
11,900.00	7,087.63	7,400.00	7,212.86	141.36	57.05	-94.44	-147.28	4,388.68	8,439.01	8,362.67	76.33	110.552		
12,000.00	7,086.75	7,400.00	7,212.86	144.12	57.05	-94.44	-147.28	4,388.68	8,537.80	8,461.29	76.50	111.598		
12,100.00	7,085.87	7,400.00	7,212.86	146.88	57.05	-94.44	-147.28	4,388.68	8,636.61	8,559.94	76.67	112.642		
12,200.00	7,084.99	7,400.00	7,212.86	149.64	57.05	-94.44	-147.28	4,388.68	8,735.45	8,658.61	76.84	113.684		
12,300.00	7,084.12	7,400.00	7,212.86	152.40	57.05	-94.44	-147.28	4,388.68	8,834.32	8,757.32	77.00	114.724		
12,400.00	7,083.24	7,400.00	7,212.86	155.17	57.05	-94.44	-147.28	4,388.68	8,933.22	8,856.05	77.17	115.762		
12,500.00	7,082.36	7,400.00	7,212.86	157.94	57.05	-94.44	-147.28	4,388.68	9,032.13	8,954.80	77.33	116.799		
12,600.00	7,081.48	7,400.00	7,212.86	160.71	57.05	-94.44	-147.28	4,388.68	9,131.07	9,053.58	77.49	117.833		
12,700.00	7,080.61	7,400.00	7,212.86	163.49	57.05	-94.44	-147.28	4,388.68	9,230.04	9,152.39	77.65	118.865		
12,800.00	7,079.73	7,400.00	7,212.86	166.27	57.05	-94.44	-147.28	4,388.68	9,329.02	9,251.21	77.81	119.895		
12,900.00	7,078.85	7,400.00	7,212.86	169.04	57.05	-94.44	-147.28	4,388.68	9,428.03	9,350.06	77.97	120.924		
13,000.00	7,077.97	7,400.00	7,212.86	171.83	57.05	-94.44	-147.28	4,388.68	9,527.06	9,448.94	78.12	121.950		
13,100.00	7,077.10	7,400.00	7,212.86	174.61	57.05	-94.44	-147.28	4,388.68	9,626.11	9,547.83	78.28	122.974		
13,200.00	7,076.22	7,400.00	7,212.86	177.39	57.05	-94.44	-147.28	4,388.68	9,725.18	9,646.75	78.43	123.997		
13,300.00	7,075.34	7,400.00	7,212.86	180.18	57.05	-94.44	-147.28	4,388.68	9,824.26	9,745.68	78.58	125.017		
13,400.00	7,074.46	7,400.00	7,212.86	182.97	57.05	-94.44	-147.28	4,388.68	9,923.37	9,844.63	78.73	126.036		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	1,262.54	1,241.65	3.28	9.81	98.73	-829.51	5,400.81	5,614.73					
100.00	100.00	1,426.91	1,398.03	3.28	11.77	99.08	-856.57	5,358.06	5,591.04	5,578.32	12.71	439.814		
200.00	200.00	1,478.66	1,447.19	3.34	12.39	99.20	-865.35	5,344.50	5,567.33	5,554.16	13.17	422.642		
300.00	299.98	1,533.93	1,499.70	3.44	13.05	55.22	-875.28	5,330.36	5,543.45	5,529.72	13.73	403.809		
400.00	399.84	1,600.00	1,562.62	3.61	13.81	55.83	-886.92	5,313.95	5,518.37	5,503.93	14.44	382.156		
500.00	499.45	1,675.45	1,634.61	3.81	14.65	56.52	-900.03	5,295.52	5,491.90	5,476.64	15.27	359.761		
600.00	598.70	600.00	1,805.57	4.06	3.69	57.63	-930.54	5,250.83	5,463.45	5,455.39	8.06	677.633		
700.00	697.47	1,965.71	1,911.20	4.35	17.97	58.60	-947.85	5,221.74	5,431.76	5,413.53	18.23	297.913		
800.00	795.62	2,027.11	1,969.80	4.66	18.68	59.45	-957.15	5,205.93	5,398.97	5,379.91	19.06	283.321		
817.50	812.73	2,041.20	1,983.25	4.73	18.84	59.62	-959.31	5,202.33	5,393.11	5,373.87	19.24	280.379		
900.00	893.32	2,100.00	2,039.35	5.01	19.51	59.87	-968.46	5,187.29	5,365.51	5,345.50	20.01	268.155		
1,000.00	991.01	2,168.14	2,104.37	5.38	20.27	60.17	-979.28	5,170.03	5,332.56	5,311.60	20.96	254.449		
1,100.00	1,088.69	2,225.33	2,158.99	5.77	20.90	60.43	-988.52	5,155.79	5,300.28	5,278.43	21.85	242.614		
1,200.00	1,186.38	2,276.98	2,208.32	6.18	21.46	60.66	-997.22	5,143.21	5,268.82	5,246.11	22.72	231.926		
1,300.00	1,284.06	2,436.13	2,360.63	6.60	23.15	61.37	-1,022.37	5,104.59	5,237.73	5,213.28	24.45	214.225		
1,400.00	1,381.75	2,532.10	2,452.63	7.03	24.16	61.79	-1,035.18	5,080.45	5,205.50	5,179.85	25.66	202.902		
1,500.00	1,479.44	2,575.67	2,494.38	7.47	24.62	61.98	-1,041.50	5,069.69	5,174.15	5,147.66	26.49	195.315		
1,600.00	1,577.12	2,866.16	2,771.37	7.91	28.00	63.32	-1,084.11	4,993.39	5,141.70	5,112.32	29.38	174.996		
1,700.00	1,674.81	3,007.30	2,905.01	8.37	29.86	64.00	-1,104.80	4,952.97	5,107.53	5,076.35	31.17	163.837		
1,800.00	1,772.49	3,143.19	3,033.09	8.82	31.79	64.68	-1,125.22	4,912.45	5,072.64	5,039.62	33.02	153.624		
1,900.00	1,870.18	3,228.74	3,113.73	9.28	33.00	65.10	-1,137.16	4,886.48	5,037.36	5,002.96	34.39	146.460		
2,000.00	1,967.87	3,275.23	3,157.72	9.75	33.64	65.33	-1,143.29	4,872.75	5,002.91	4,967.50	35.41	141.289		
2,100.00	2,065.55	3,382.51	3,259.27	10.22	35.11	65.86	-1,157.88	4,841.41	4,969.18	4,932.19	36.99	134.332		
2,200.00	2,163.24	3,439.22	3,312.68	10.69	35.89	66.16	-1,166.54	4,824.41	4,935.45	4,897.29	38.16	129.339		
2,300.00	2,260.92	3,500.00	3,370.18	11.16	36.73	66.47	-1,175.54	4,806.90	4,902.80	4,863.41	39.38	124.494		
2,400.00	2,358.61	3,628.06	3,491.94	11.64	38.33	67.10	-1,190.51	4,770.19	4,869.87	4,828.83	41.05	118.640		
2,500.00	2,456.30	4,111.22	3,942.52	12.12	46.60	69.70	-1,251.85	4,608.95	4,832.97	4,786.31	46.66	103.587		
2,600.00	2,553.98	4,178.21	4,003.47	12.59	48.10	70.12	-1,262.77	4,583.39	4,793.77	4,745.41	48.36	99.134		
2,700.00	2,651.67	4,200.00	4,023.33	13.08	48.59	70.26	-1,266.28	4,575.13	4,755.47	4,706.02	49.45	96.158		
2,800.00	2,749.35	4,255.56	4,074.23	13.56	49.70	70.60	-1,274.95	4,554.63	4,718.12	4,667.17	50.95	92.597		
2,900.00	2,847.04	4,300.00	4,115.33	14.04	50.59	70.87	-1,281.47	4,539.94	4,682.18	4,629.85	52.33	89.479		
3,000.00	2,944.72	4,401.21	4,209.22	14.52	52.44	71.47	-1,295.56	4,503.97	4,646.95	4,592.65	54.30	85.575		
3,100.00	3,042.41	4,465.28	4,268.50	15.01	53.66	71.87	-1,304.81	4,481.50	4,611.86	4,555.94	55.93	82.464		
3,200.00	3,140.10	4,500.00	4,300.54	15.50	54.32	72.09	-1,310.26	4,469.28	4,577.65	4,520.44	57.21	80.013		
3,300.00	3,237.78	4,554.56	4,350.94	15.98	55.33	72.44	-1,319.27	4,450.40	4,544.49	4,485.71	58.78	77.318		
3,400.00	3,335.47	4,600.00	4,393.03	16.47	56.18	72.73	-1,327.09	4,435.18	4,512.70	4,452.46	60.24	74.913		
3,500.00	3,433.15	4,634.07	4,424.66	16.96	56.76	72.96	-1,333.11	4,424.05	4,482.16	4,420.62	61.54	72.833		
3,600.00	3,530.84	4,677.10	4,464.68	17.45	57.49	73.24	-1,340.88	4,410.28	4,452.87	4,389.90	62.96	70.721		
3,700.00	3,628.53	4,723.30	4,507.77	17.94	58.22	73.54	-1,349.31	4,395.91	4,424.82	4,360.42	64.40	68.708		
3,800.00	3,726.21	4,773.81	4,555.19	18.43	58.98	73.87	-1,357.95	4,380.83	4,397.92	4,332.07	65.85	66.784		
3,900.00	3,823.90	4,835.32	4,613.40	18.92	59.80	74.25	-1,367.47	4,363.36	4,372.11	4,304.76	67.35	64.915		
4,000.00	3,921.58	4,900.00	4,675.06	19.41	60.60	74.63	-1,376.05	4,345.84	4,347.06	4,278.24	68.81	63.171		
4,100.00	4,019.27	4,943.22	4,716.57	19.90	61.01	74.88	-1,380.99	4,334.85	4,323.11	4,253.14	69.97	61.783		
4,200.00	4,116.96	5,000.00	4,771.52	20.39	61.55	75.19	-1,386.60	4,321.72	4,300.63	4,229.41	71.21	60.390		
4,300.00	4,214.64	5,051.38	4,821.46	20.88	61.95	75.45	-1,391.22	4,310.52	4,279.20	4,206.85	72.35	59.149		
4,400.00	4,312.33	5,122.98	4,891.07	21.37	62.49	75.83	-1,397.55	4,295.03	4,258.37	4,184.79	73.57	57.878		
4,500.00	4,410.01	5,173.58	4,940.44	21.87	62.85	76.09	-1,401.67	4,284.73	4,238.59	4,163.93	74.66	56.769		
4,600.00	4,507.70	5,200.00	4,966.29	22.36	63.03	76.22	-1,403.66	4,279.65	4,220.13	4,144.50	75.62	55.805		
4,700.00	4,605.39	5,263.06	5,028.21	22.85	63.36	76.52	-1,407.95	4,268.56	4,202.79	4,126.11	76.67	54.815		
4,800.00	4,703.07	5,300.00	5,064.64	23.35	63.56	76.69	-1,410.16	4,262.80	4,186.93	4,109.32	77.61	53.948		
4,900.00	4,800.76	5,354.18	5,118.21	23.84	63.76	76.93	-1,413.04	4,255.26	4,172.36	4,093.82	78.54	53.122		
5,000.00	4,898.44	5,400.00	5,163.64	24.33	63.93	77.13	-1,415.17	4,249.68	4,159.08	4,079.65	79.44	52.357		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,461.20	5,224.44	24.83	64.11	77.38	-1,417.58	4,243.15	4,146.94	4,066.62	80.32	51.629		
5,200.00	5,093.82	5,520.77	5,283.73	25.32	64.27	77.61	-1,419.50	4,237.67	4,135.83	4,054.65	81.18	50.945		
5,300.00	5,191.50	5,581.41	5,344.15	25.82	64.41	77.84	-1,421.20	4,232.85	4,125.72	4,043.70	82.02	50.301		
5,400.00	5,289.19	5,641.69	5,404.27	26.31	64.54	78.07	-1,422.71	4,228.76	4,116.60	4,033.77	82.84	49.696		
5,500.00	5,386.87	5,700.00	5,462.47	26.81	64.65	78.28	-1,424.06	4,225.47	4,108.49	4,024.86	83.63	49.125		
5,600.00	5,484.56	5,760.26	5,522.67	27.30	64.76	78.49	-1,425.13	4,222.90	4,101.41	4,016.99	84.41	48.589		
5,700.00	5,582.25	5,827.42	5,589.80	27.80	64.87	78.70	-1,425.78	4,221.15	4,095.33	4,010.15	85.18	48.076		
5,800.00	5,679.93	5,910.88	5,673.25	28.29	65.01	78.97	-1,426.24	4,219.62	4,089.83	4,003.85	85.98	47.570		
5,900.00	5,777.62	5,987.07	5,749.43	28.79	65.13	79.20	-1,426.54	4,218.69	4,084.87	3,998.12	86.75	47.089		
6,000.00	5,875.30	6,078.05	5,840.41	29.28	65.28	79.48	-1,426.87	4,218.02	4,080.39	3,992.84	87.55	46.609		
6,100.00	5,972.99	6,166.48	5,928.83	29.78	65.42	79.75	-1,427.19	4,217.51	4,076.17	3,987.83	88.34	46.144		
6,200.00	6,070.67	6,253.45	6,015.81	30.27	65.57	80.01	-1,427.54	4,217.26	4,072.31	3,983.19	89.12	45.693		
6,300.00	6,168.36	6,347.37	6,109.72	30.77	65.73	80.29	-1,427.97	4,217.21	4,068.78	3,978.86	89.93	45.246		
6,400.00	6,266.05	6,446.82	6,209.17	31.26	65.89	80.60	-1,428.39	4,217.13	4,065.33	3,974.59	90.74	44.803		
6,500.00	6,363.73	6,538.76	6,301.11	31.76	66.05	80.87	-1,428.62	4,217.20	4,062.02	3,970.48	91.53	44.377		
6,534.50	6,397.43	6,568.33	6,330.68	31.93	66.10	80.96	-1,428.68	4,217.29	4,060.95	3,969.15	91.80	44.235		
6,550.00	6,412.60	6,581.64	6,344.00	32.01	66.13	85.79	-1,428.70	4,217.34	4,060.64	3,968.72	91.92	44.174		
6,557.83	6,420.29	6,588.39	6,350.74	32.04	66.14	88.55	-1,428.71	4,217.38	4,060.60	3,968.62	91.98	44.146 CC, ES		
6,600.00	6,461.82	6,628.47	6,390.82	32.24	66.21	107.61	-1,428.77	4,217.59	4,061.74	3,969.44	92.30	44.007		
6,650.00	6,511.25	6,678.17	6,440.52	32.45	66.29	137.01	-1,428.86	4,217.83	4,065.97	3,973.33	92.64	43.889		
6,700.00	6,560.58	6,731.65	6,494.00	32.64	66.39	162.56	-1,428.96	4,218.08	4,073.28	3,980.32	92.96	43.817		
6,750.00	6,609.51	6,787.75	6,550.10	32.83	66.49	178.96	-1,428.99	4,218.28	4,083.57	3,990.31	93.26	43.788 SF		
6,800.00	6,657.74	6,828.02	6,590.37	33.01	66.56	-170.85	-1,428.99	4,218.42	4,096.82	4,003.32	93.50	43.818		
6,850.00	6,704.97	6,863.21	6,625.55	33.18	66.62	-163.96	-1,429.08	4,218.60	4,113.10	4,019.40	93.70	43.897		
6,900.00	6,750.90	6,900.00	6,662.35	33.36	66.69	-158.82	-1,429.26	4,218.86	4,132.32	4,038.43	93.89	44.014		
6,950.00	6,795.26	6,900.00	6,662.35	33.54	66.69	-154.52	-1,429.26	4,218.86	4,154.50	4,060.54	93.96	44.216		
7,000.00	6,837.77	6,900.00	6,662.35	33.73	66.69	-150.64	-1,429.26	4,218.86	4,179.68	4,085.67	94.01	44.462		
7,050.00	6,878.17	6,900.00	6,662.35	33.92	66.69	-146.90	-1,429.26	4,218.86	4,207.64	4,113.61	94.03	44.749		
7,100.00	6,916.21	6,900.00	6,662.35	34.13	66.69	-143.09	-1,429.26	4,218.86	4,238.16	4,144.14	94.03	45.074		
7,150.00	6,951.66	6,900.00	6,662.35	34.36	66.69	-139.09	-1,429.26	4,218.86	4,271.01	4,177.00	94.01	45.432		
7,200.00	6,984.29	6,900.00	6,662.35	34.61	66.69	-134.75	-1,429.26	4,218.86	4,305.92	4,211.94	93.98	45.818		
7,250.00	7,013.91	6,900.00	6,662.35	34.89	66.69	-130.00	-1,429.26	4,218.86	4,342.63	4,248.69	93.94	46.228		
7,300.00	7,040.34	6,900.00	6,662.35	35.20	66.69	-124.76	-1,429.26	4,218.86	4,380.88	4,286.99	93.89	46.658		
7,350.00	7,063.40	6,900.00	6,662.35	35.55	66.69	-119.00	-1,429.26	4,218.86	4,420.40	4,326.55	93.85	47.102		
7,400.00	7,082.97	6,900.00	6,662.35	35.94	66.69	-112.73	-1,429.26	4,218.86	4,460.90	4,367.09	93.80	47.555		
7,450.00	7,098.91	6,900.00	6,662.35	36.36	66.69	-106.05	-1,429.26	4,218.86	4,502.12	4,408.35	93.77	48.014		
7,500.00	7,111.13	6,900.00	6,662.35	36.83	66.69	-99.11	-1,429.26	4,218.86	4,543.78	4,450.05	93.74	48.475		
7,550.00	7,119.55	6,900.00	6,662.35	37.34	66.69	-92.13	-1,429.26	4,218.86	4,585.63	4,491.91	93.71	48.932		
7,600.00	7,124.13	6,900.00	6,662.35	37.88	66.69	-85.33	-1,429.26	4,218.86	4,627.40	4,533.69	93.70	49.383		
7,639.68	7,125.00	6,900.00	6,662.35	38.33	66.69	-80.21	-1,429.26	4,218.86	4,660.32	4,566.61	93.70	49.734		
7,700.00	7,124.48	6,900.00	6,662.35	39.05	66.69	-80.21	-1,429.26	4,218.86	4,710.27	4,616.55	93.72	50.258		
7,800.00	7,123.60	6,900.00	6,662.35	40.40	66.69	-80.21	-1,429.26	4,218.86	4,793.60	4,699.82	93.79	51.111		
7,900.00	7,122.72	6,900.00	6,662.35	41.90	66.69	-80.21	-1,429.26	4,218.86	4,877.57	4,783.67	93.89	51.949		
8,000.00	7,121.84	6,900.00	6,662.35	43.54	66.69	-80.21	-1,429.26	4,218.86	4,962.12	4,868.09	94.03	52.772		
8,100.00	7,120.97	6,900.00	6,662.35	45.30	66.69	-80.21	-1,429.26	4,218.86	5,047.24	4,953.05	94.20	53.582		
8,200.00	7,120.09	6,900.00	6,662.35	47.17	66.69	-80.21	-1,429.26	4,218.86	5,132.90	5,038.51	94.39	54.382		
8,300.00	7,119.21	6,900.00	6,662.35	49.13	66.69	-80.21	-1,429.26	4,218.86	5,219.07	5,124.47	94.60	55.171		
8,400.00	7,118.33	6,900.00	6,662.35	51.18	66.69	-80.21	-1,429.26	4,218.86	5,305.72	5,210.89	94.83	55.953		
8,500.00	7,117.46	6,900.00	6,662.35	53.30	66.69	-80.21	-1,429.26	4,218.86	5,392.83	5,297.77	95.07	56.727		
8,600.00	7,116.58	6,900.00	6,662.35	55.48	66.69	-80.21	-1,429.26	4,218.86	5,480.39	5,385.07	95.32	57.495		
8,700.00	7,115.70	6,900.00	6,662.35	57.72	66.69	-80.21	-1,429.26	4,218.86	5,568.36	5,472.78	95.58	58.258		
8,800.00	7,114.82	6,900.00	6,662.35	60.02	66.69	-80.21	-1,429.26	4,218.86	5,656.74	5,560.88	95.85	59.016		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,900.00	7,113.95	6,900.00	6,662.35	62.36	66.69	-80.21	-1,429.26	4,218.86	5,745.49	5,649.36	96.13	59.770		
9,000.00	7,113.07	6,900.00	6,662.35	64.74	66.69	-80.21	-1,429.26	4,218.86	5,834.61	5,738.20	96.40	60.522		
9,100.00	7,112.19	6,900.00	6,662.35	67.15	66.69	-80.21	-1,429.26	4,218.86	5,924.07	5,827.39	96.69	61.271		
9,200.00	7,111.31	6,900.00	6,662.35	69.60	66.69	-80.21	-1,429.26	4,218.86	6,013.87	5,916.90	96.97	62.018		
9,300.00	7,110.44	6,900.00	6,662.35	72.08	66.69	-80.21	-1,429.26	4,218.86	6,103.99	6,006.73	97.25	62.763		
9,400.00	7,109.56	6,900.00	6,662.35	74.58	66.69	-80.21	-1,429.26	4,218.86	6,194.41	6,096.87	97.54	63.508		
9,500.00	7,108.68	6,900.00	6,662.35	77.10	66.69	-80.21	-1,429.26	4,218.86	6,285.11	6,187.29	97.82	64.251		
9,600.00	7,107.81	6,900.00	6,662.35	79.65	66.69	-80.21	-1,429.26	4,218.86	6,376.10	6,278.00	98.10	64.993		
9,700.00	7,106.93	6,900.00	6,662.35	82.22	66.69	-80.21	-1,429.26	4,218.86	6,467.35	6,368.97	98.38	65.735		
9,800.00	7,106.05	6,900.00	6,662.35	84.80	66.69	-80.21	-1,429.26	4,218.86	6,558.86	6,460.20	98.66	66.477		
9,900.00	7,105.17	6,900.00	6,662.35	87.40	66.69	-80.21	-1,429.26	4,218.86	6,650.61	6,551.67	98.94	67.219		
10,000.00	7,104.30	6,900.00	6,662.35	90.02	66.69	-80.21	-1,429.26	4,218.86	6,742.60	6,643.39	99.21	67.961		
10,100.00	7,103.42	6,900.00	6,662.35	92.64	66.69	-80.21	-1,429.26	4,218.86	6,834.81	6,735.33	99.48	68.703		
10,200.00	7,102.54	6,900.00	6,662.35	95.28	66.69	-80.21	-1,429.26	4,218.86	6,927.24	6,827.49	99.75	69.445		
10,300.00	7,101.66	6,900.00	6,662.35	97.94	66.69	-80.21	-1,429.26	4,218.86	7,019.88	6,919.86	100.02	70.188		
10,400.00	7,100.79	6,900.00	6,662.35	100.60	66.69	-80.21	-1,429.26	4,218.86	7,112.71	7,012.44	100.28	70.931		
10,500.00	7,099.91	6,900.00	6,662.35	103.27	66.69	-80.21	-1,429.26	4,218.86	7,205.74	7,105.20	100.53	71.675		
10,600.00	7,099.03	6,900.00	6,662.35	105.95	66.69	-80.21	-1,429.26	4,218.86	7,298.95	7,198.16	100.79	72.419		
10,700.00	7,098.15	6,900.00	6,662.35	108.64	66.69	-80.21	-1,429.26	4,218.86	7,392.34	7,291.30	101.04	73.163		
10,800.00	7,097.28	6,900.00	6,662.35	111.33	66.69	-80.21	-1,429.26	4,218.86	7,485.90	7,384.61	101.29	73.909		
10,900.00	7,096.40	6,900.00	6,662.35	114.04	66.69	-80.21	-1,429.26	4,218.86	7,579.62	7,478.09	101.53	74.654		
11,000.00	7,095.52	6,900.00	6,662.35	116.74	66.69	-80.21	-1,429.26	4,218.86	7,673.50	7,571.74	101.77	75.401		
11,100.00	7,094.64	6,900.00	6,662.35	119.46	66.69	-80.21	-1,429.26	4,218.86	7,767.54	7,665.53	102.01	76.148		
11,200.00	7,093.77	6,900.00	6,662.35	122.18	66.69	-80.21	-1,429.26	4,218.86	7,861.72	7,759.48	102.24	76.895		
11,300.00	7,092.89	6,900.00	6,662.35	124.91	66.69	-80.21	-1,429.26	4,218.86	7,956.05	7,853.58	102.47	77.644		
11,400.00	7,092.01	6,900.00	6,662.35	127.64	66.69	-80.21	-1,429.26	4,218.86	8,050.51	7,947.81	102.70	78.392		
11,500.00	7,091.13	6,900.00	6,662.35	130.38	66.69	-80.21	-1,429.26	4,218.86	8,145.10	8,042.18	102.92	79.142		
11,600.00	7,090.26	6,900.00	6,662.35	133.12	66.69	-80.21	-1,429.26	4,218.86	8,239.82	8,136.69	103.14	79.891		
11,700.00	7,089.38	6,900.00	6,662.35	135.86	66.69	-80.21	-1,429.26	4,218.86	8,334.67	8,231.31	103.35	80.642		
11,800.00	7,088.50	6,900.00	6,662.35	138.61	66.69	-80.21	-1,429.26	4,218.86	8,429.63	8,326.06	103.57	81.393		
11,900.00	7,087.63	6,900.00	6,662.35	141.36	66.69	-80.21	-1,429.26	4,218.86	8,524.71	8,420.93	103.78	82.144		
12,000.00	7,086.75	6,900.00	6,662.35	144.12	66.69	-80.21	-1,429.26	4,218.86	8,619.90	8,515.92	103.98	82.896		
12,100.00	7,085.87	6,900.00	6,662.35	146.88	66.69	-80.21	-1,429.26	4,218.86	8,715.20	8,611.01	104.19	83.648		
12,200.00	7,084.99	6,900.00	6,662.35	149.64	66.69	-80.21	-1,429.26	4,218.86	8,810.60	8,706.21	104.39	84.401		
12,300.00	7,084.12	6,900.00	6,662.35	152.40	66.69	-80.21	-1,429.26	4,218.86	8,906.10	8,801.52	104.59	85.154		
12,400.00	7,083.24	6,900.00	6,662.35	155.17	66.69	-80.21	-1,429.26	4,218.86	9,001.71	8,896.92	104.78	85.907		
12,500.00	7,082.36	6,900.00	6,662.35	157.94	66.69	-80.21	-1,429.26	4,218.86	9,097.40	8,992.42	104.98	86.661		
12,600.00	7,081.48	6,900.00	6,662.35	160.71	66.69	-80.21	-1,429.26	4,218.86	9,193.19	9,088.02	105.17	87.415		
12,700.00	7,080.61	6,900.00	6,662.35	163.49	66.69	-80.21	-1,429.26	4,218.86	9,289.06	9,183.71	105.35	88.169		
12,800.00	7,079.73	6,900.00	6,662.35	166.27	66.69	-80.21	-1,429.26	4,218.86	9,385.03	9,279.49	105.54	88.924		
12,900.00	7,078.85	6,900.00	6,662.35	169.04	66.69	-80.21	-1,429.26	4,218.86	9,481.07	9,375.35	105.72	89.679		
13,000.00	7,077.97	6,900.00	6,662.35	171.83	66.69	-80.21	-1,429.26	4,218.86	9,577.20	9,471.29	105.90	90.434		
13,100.00	7,077.10	6,900.00	6,662.35	174.61	66.69	-80.21	-1,429.26	4,218.86	9,673.40	9,567.32	106.08	91.189		
13,200.00	7,076.22	6,900.00	6,662.35	177.39	66.69	-80.21	-1,429.26	4,218.86	9,769.68	9,663.43	106.26	91.944		
13,300.00	7,075.34	6,900.00	6,662.35	180.18	66.69	-80.21	-1,429.26	4,218.86	9,866.04	9,759.61	106.43	92.700		
13,400.00	7,074.46	6,900.00	6,662.35	182.97	66.69	-80.21	-1,429.26	4,218.86	9,962.46	9,855.86	106.60	93.455		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	94.01	-35.69	509.42	510.72					
100.00	100.00	99.72	99.72	3.28	3.29	94.04	-35.94	508.75	510.06	503.49	6.57	77.601		
200.00	200.00	202.56	202.54	3.34	3.33	94.11	-36.43	506.97	508.37	501.70	6.67	76.180		
300.00	299.98	301.37	301.33	3.44	3.44	49.89	-37.27	504.97	505.29	498.40	6.88	73.392		
400.00	399.84	399.74	399.68	3.61	3.59	50.50	-37.83	503.66	500.64	493.45	7.20	69.570		
500.00	499.45	502.86	502.78	3.81	3.80	51.47	-38.11	501.84	493.42	485.81	7.61	64.844		
600.00	598.70	606.35	606.24	4.06	4.05	52.85	-38.27	499.21	483.39	475.28	8.10	59.644		
700.00	697.47	702.74	702.59	4.35	4.32	54.57	-38.25	496.27	471.04	462.39	8.64	54.490		
800.00	795.62	800.44	800.24	4.66	4.61	56.91	-39.46	493.70	457.74	448.50	9.25	49.498		
817.50	812.73	817.80	817.59	4.73	4.66	57.40	-39.81	493.17	455.26	445.89	9.36	48.632		
900.00	893.32	894.90	894.65	5.01	4.91	59.45	-41.32	491.04	443.95	434.06	9.89	44.892		
1,000.00	991.01	989.80	989.53	5.38	5.23	62.00	-42.62	489.22	431.76	421.19	10.57	40.840		
1,100.00	1,088.69	1,089.57	1,089.27	5.77	5.58	64.80	-43.71	487.40	420.57	409.26	11.31	37.196		
1,200.00	1,186.38	1,194.05	1,193.69	6.18	5.96	67.91	-44.64	484.12	409.13	397.05	12.09	33.846		
1,300.00	1,284.06	1,286.61	1,286.18	6.60	6.31	70.81	-45.09	480.59	398.10	385.25	12.85	30.974		
1,400.00	1,381.75	1,380.71	1,380.25	7.03	6.65	73.44	-43.32	479.68	389.65	376.03	13.63	28.595		
1,500.00	1,479.44	1,484.51	1,483.97	7.47	7.02	76.11	-39.17	479.55	381.84	367.40	14.44	26.444		
1,600.00	1,577.12	1,584.48	1,583.76	7.91	7.39	78.54	-33.16	479.25	373.61	358.35	15.26	24.489		
1,700.00	1,674.81	1,692.86	1,691.79	8.37	7.80	81.07	-24.54	478.37	364.55	348.44	16.11	22.634		
1,800.00	1,772.49	1,790.44	1,788.73	8.82	8.18	82.92	-13.46	478.80	355.09	338.15	16.94	20.958		
1,900.00	1,870.18	1,894.21	1,891.70	9.28	8.59	84.85	-0.65	479.34	345.49	327.68	17.80	19.406		
2,000.00	1,967.87	2,001.10	1,997.42	9.75	9.03	86.79	15.06	478.42	333.66	314.99	18.67	17.870		
2,100.00	2,065.55	2,100.27	2,095.42	10.22	9.46	88.75	30.15	476.78	321.29	301.74	19.55	16.438		
2,200.00	2,163.24	2,198.98	2,193.00	10.69	9.90	90.93	44.90	474.83	309.28	288.85	20.43	15.140		
2,300.00	2,260.92	2,297.96	2,290.92	11.16	10.35	93.46	59.14	472.16	297.67	276.36	21.31	13.965		
2,400.00	2,358.61	2,397.23	2,389.15	11.64	10.80	96.35	73.06	468.72	286.46	264.26	22.20	12.901		
2,500.00	2,456.30	2,496.26	2,487.13	12.12	11.26	99.61	86.77	464.55	275.73	252.64	23.09	11.939		
2,600.00	2,553.98	2,594.67	2,584.49	12.59	11.72	103.19	100.31	459.89	265.74	241.76	23.99	11.079		
2,700.00	2,651.67	2,693.08	2,681.86	13.08	12.18	107.20	113.50	454.49	256.82	231.94	24.88	10.323		
2,800.00	2,749.35	2,791.00	2,778.74	13.56	12.65	111.58	126.51	448.55	249.13	223.36	25.77	9.667		
2,900.00	2,847.04	2,888.57	2,875.26	14.04	13.12	116.30	139.25	442.16	243.08	216.41	26.66	9.117		
3,000.00	2,944.72	2,986.05	2,971.69	14.52	13.59	121.30	151.80	435.44	238.90	211.34	27.56	8.669		
3,100.00	3,042.41	3,081.85	3,066.51	15.01	14.05	126.38	163.77	428.72	237.04	208.59	28.46	8.330		
3,148.49	3,089.78	3,130.53	3,114.71	15.25	14.29	128.93	169.78	425.52	236.98	208.09	28.89	8.203		
3,200.00	3,140.10	3,183.17	3,166.81	15.50	14.55	131.49	176.82	422.83	236.96	207.61	29.35	8.073		
3,214.25	3,154.02	3,197.80	3,181.28	15.57	14.62	132.17	178.88	422.22	236.95	207.47	29.48	8.037 CC, ES		
3,300.00	3,237.78	3,280.81	3,263.40	15.98	15.03	136.12	190.34	418.29	237.76	207.50	30.26	7.858		
3,400.00	3,335.47	3,377.16	3,358.76	16.47	15.50	140.69	203.21	413.50	240.66	209.50	31.16	7.722		
3,500.00	3,433.15	3,474.92	3,455.56	16.96	15.98	145.22	215.94	408.46	245.53	213.45	32.08	7.654		
3,600.00	3,530.84	3,570.81	3,550.54	17.45	16.45	149.51	228.02	403.25	252.40	219.41	32.99	7.651 SF		
3,700.00	3,628.53	3,668.34	3,647.22	17.94	16.93	153.58	239.81	398.06	261.15	227.24	33.91	7.701		
3,800.00	3,726.21	3,766.53	3,744.51	18.43	17.42	157.47	251.92	392.57	271.05	236.21	34.84	7.779		
3,900.00	3,823.90	3,858.99	3,836.21	18.92	17.87	160.84	262.46	387.19	283.06	247.33	35.73	7.923		
4,000.00	3,921.58	3,947.13	3,923.82	19.41	18.29	163.69	270.21	381.53	298.59	262.07	36.53	8.175		
4,100.00	4,019.27	4,040.85	4,017.23	19.90	18.71	166.03	275.60	376.37	317.03	279.66	37.38	8.482		
4,200.00	4,116.96	4,124.81	4,101.10	20.39	19.06	167.42	277.13	373.03	338.39	300.38	38.01	8.902		
4,300.00	4,214.64	4,222.77	4,198.98	20.88	19.45	168.62	276.34	369.19	362.09	323.19	38.89	9.310		
4,400.00	4,312.33	4,319.03	4,295.19	21.37	19.83	169.56	275.53	366.14	385.51	345.77	39.73	9.702		
4,500.00	4,410.01	4,414.95	4,391.07	21.87	20.20	170.23	273.87	363.86	409.29	368.73	40.56	10.090		
4,600.00	4,507.70	4,513.81	4,489.88	22.36	20.59	170.88	272.34	361.34	433.07	391.62	41.44	10.449		
4,700.00	4,605.39	4,628.73	4,604.79	22.85	21.04	171.34	271.86	361.41	454.47	411.92	42.55	10.680		
4,800.00	4,703.07	4,726.98	4,703.03	23.35	21.42	171.61	272.37	363.03	474.27	430.87	43.40	10.928		

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 32C-6-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 32C-6-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		
4,900.00	4,800.76	4,827.06	4,803.09	23.84	21.81	171.92	273.46	364.46	493.76	449.48	44.28	11.151		
5,000.00	4,898.44	4,925.01	4,901.02	24.33	22.21	172.24	274.91	365.63	513.09	467.95	45.14	11.366		
5,100.00	4,996.13	5,022.35	4,998.34	24.83	22.61	172.57	276.39	366.54	532.56	486.56	46.00	11.578		
5,200.00	5,093.82	5,120.15	5,096.12	25.32	23.01	172.93	278.15	366.99	552.10	505.24	46.86	11.781		
5,300.00	5,191.50	5,217.40	5,193.36	25.82	23.41	173.29	280.01	367.21	571.74	524.01	47.73	11.979		
5,400.00	5,289.19	5,314.32	5,290.26	26.31	23.82	173.65	281.87	367.09	591.59	543.00	48.59	12.174		
5,500.00	5,386.87	5,411.97	5,387.89	26.81	24.23	174.03	283.90	366.62	611.56	562.09	49.47	12.362		
5,600.00	5,484.56	5,510.94	5,486.81	27.30	24.66	174.48	286.60	365.38	631.54	581.17	50.37	12.538		
5,700.00	5,582.25	5,605.35	5,581.18	27.80	25.06	174.87	289.19	364.36	651.44	600.23	51.20	12.723		
5,800.00	5,679.93	5,699.05	5,674.88	28.29	25.43	174.98	289.05	365.00	672.42	620.40	52.01	12.928		
5,900.00	5,777.62	5,799.32	5,775.15	28.79	25.84	175.10	289.24	365.63	693.19	640.29	52.90	13.104		
6,000.00	5,875.30	5,897.18	5,873.00	29.28	26.24	175.29	290.08	365.65	713.86	660.08	53.77	13.275		
6,100.00	5,972.99	5,994.07	5,969.88	29.78	26.65	175.53	291.32	365.10	734.58	679.94	54.64	13.444		
6,200.00	6,070.67	6,092.06	6,067.85	30.27	27.07	175.80	292.90	363.98	755.43	699.90	55.53	13.605		
6,300.00	6,168.36	6,188.35	6,164.10	30.77	27.48	176.10	294.93	362.40	776.25	719.85	56.39	13.765		
6,400.00	6,266.05	6,281.87	6,257.59	31.26	27.87	176.38	296.61	360.59	797.49	740.27	57.22	13.937		
6,500.00	6,363.73	6,543.66	6,514.01	31.76	28.81	174.21	289.48	399.81	814.51	755.70	58.82	13.848		
6,534.50	6,397.43	6,594.78	6,561.31	31.93	28.97	173.12	286.82	418.98	814.91	755.85	59.06	13.798		
6,550.00	6,412.60	6,656.50	6,617.20	32.01	29.14	176.39	284.06	444.97	814.61	755.64	58.97	13.814		
6,600.00	6,461.82	6,765.15	6,709.65	32.24	29.43	-165.99	280.23	501.84	807.92	748.91	59.00	13.693		
6,650.00	6,511.25	6,828.30	6,761.31	32.45	29.59	-140.23	278.87	538.12	798.36	738.95	59.41	13.439		
6,700.00	6,560.58	6,880.41	6,802.46	32.64	29.72	-118.60	277.50	570.05	787.10	727.16	59.94	13.131		
6,750.00	6,609.51	6,951.86	6,856.15	32.83	30.07	-107.98	275.73	617.14	774.59	714.18	60.41	12.821		
6,800.00	6,657.74	7,012.59	6,898.68	33.01	30.49	-103.71	275.21	660.46	761.06	700.00	61.06	12.463		
6,850.00	6,704.97	7,052.78	6,924.83	33.18	30.80	-101.84	275.16	690.98	748.00	686.09	61.91	12.082		
6,900.00	6,750.90	7,077.53	6,940.04	33.36	31.00	-100.79	275.21	710.49	736.53	673.76	62.78	11.733		
6,950.00	6,795.26	7,091.21	6,948.16	33.54	31.10	-99.88	275.27	721.51	727.39	663.83	63.56	11.444		
7,000.00	6,837.77	7,096.86	6,951.45	33.73	31.15	-98.85	275.30	726.10	720.99	656.80	64.19	11.232		
7,050.00	6,878.17	7,096.55	6,951.27	33.92	31.15	-97.57	275.30	725.85	717.55	652.93	64.62	11.104		
7,081.66	6,902.55	7,093.96	6,949.76	34.06	31.13	-96.62	275.29	723.74	716.95	652.16	64.79	11.066		
7,100.00	6,916.21	7,091.75	6,948.47	34.13	31.11	-96.01	275.27	721.94	717.15	652.31	64.84	11.060		
7,150.00	6,951.66	7,083.48	6,943.60	34.36	31.04	-94.17	275.24	715.26	719.71	654.84	64.87	11.095		
7,200.00	6,984.29	7,072.50	6,937.01	34.61	30.96	-92.07	275.19	706.49	725.09	660.36	64.73	11.202		
7,250.00	7,013.91	7,059.37	6,928.94	34.89	30.85	-89.74	275.16	696.12	733.04	668.59	64.46	11.373		
7,300.00	7,040.34	7,044.51	6,919.59	35.20	30.74	-87.22	275.15	684.57	743.29	679.19	64.10	11.596		
7,350.00	7,063.40	7,028.23	6,909.07	35.55	30.61	-84.54	275.17	672.16	755.53	691.82	63.71	11.859		
7,400.00	7,082.97	7,010.80	6,897.48	35.94	30.47	-81.76	275.22	659.13	769.42	706.11	63.32	12.152		
7,450.00	7,098.91	6,992.41	6,884.92	36.36	30.33	-78.93	275.30	645.70	784.64	721.68	62.96	12.462		
7,500.00	7,111.13	6,970.52	6,869.54	36.83	30.18	-75.92	275.48	630.12	800.82	738.22	62.60	12.793		
7,550.00	7,119.55	6,946.91	6,852.54	37.34	30.04	-72.92	275.81	613.74	817.57	755.29	62.29	13.126		
7,600.00	7,124.13	6,922.51	6,834.53	37.88	29.89	-70.03	276.30	597.28	834.57	772.51	62.06	13.448		
7,639.68	7,125.00	6,902.66	6,819.57	38.33	29.78	-67.84	276.82	584.27	848.05	786.12	61.94	13.692		
7,700.00	7,124.48	6,875.60	6,798.72	39.05	29.71	-66.44	277.64	567.03	869.68	807.76	61.92	14.045		
7,800.00	7,123.60	6,835.65	6,767.20	40.40	29.61	-64.37	278.69	542.50	910.93	848.84	62.09	14.671		
7,900.00	7,122.72	6,798.00	6,736.73	41.90	29.52	-62.43	279.50	520.42	958.43	896.10	62.33	15.376		
8,000.00	7,121.84	6,753.48	6,699.95	43.54	29.40	-60.16	280.54	495.35	1,011.26	948.86	62.41	16.205		
8,100.00	7,120.97	6,710.88	6,664.19	45.30	29.29	-58.03	281.91	472.25	1,068.53	1,006.01	62.52	17.090		
8,200.00	7,120.09	6,703.00	6,657.51	47.17	29.27	-57.64	282.20	468.07	1,130.41	1,066.89	63.52	17.797		
8,300.00	7,119.21	6,664.25	6,624.04	49.13	29.16	-55.73	283.74	448.61	1,195.85	1,132.19	63.67	18.783		
8,400.00	7,118.33	6,645.98	6,607.86	51.18	29.11	-54.83	284.51	440.17	1,265.40	1,201.16	64.24	19.699		
8,500.00	7,117.46	6,607.00	6,572.56	53.30	29.01	-52.92	286.24	423.75	1,338.75	1,274.45	64.30	20.822		
8,600.00	7,116.58	6,607.00	6,572.56	55.48	29.01	-52.92	286.24	423.75	1,413.95	1,348.86	65.09	21.723		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,700.00	7,115.70	6,607.00	6,572.56	57.72	29.01	-52.92	286.24	423.75	1,492.06	1,426.31	65.76	22.691		
8,800.00	7,114.82	6,571.66	6,539.98	60.02	28.90	-51.24	287.97	410.16	1,572.02	1,506.25	65.77	23.902		
8,900.00	7,113.95	6,548.62	6,518.62	62.36	28.83	-50.16	289.20	401.61	1,653.67	1,587.71	65.96	25.072		
9,000.00	7,113.07	6,526.86	6,498.36	64.74	28.76	-49.16	290.44	393.77	1,736.76	1,670.62	66.14	26.261		
9,100.00	7,112.19	6,512.00	6,484.48	67.15	28.72	-48.50	291.32	388.54	1,821.14	1,754.77	66.38	27.437		
9,200.00	7,111.31	6,512.00	6,484.48	69.60	28.72	-48.50	291.32	388.54	1,906.94	1,840.18	66.76	28.563		
9,300.00	7,110.44	6,512.00	6,484.48	72.08	28.72	-48.50	291.32	388.54	1,994.06	1,926.97	67.09	29.721		
9,400.00	7,109.56	6,512.00	6,484.48	74.58	28.72	-48.50	291.32	388.54	2,082.34	2,014.96	67.38	30.905		
9,500.00	7,108.68	6,512.00	6,484.48	77.10	28.72	-48.50	291.32	388.54	2,171.63	2,104.01	67.63	32.113		
9,600.00	7,107.81	6,512.00	6,484.48	79.65	28.72	-48.50	291.32	388.54	2,261.82	2,193.98	67.84	33.340		
9,700.00	7,106.93	6,512.00	6,484.48	82.22	28.72	-48.50	291.32	388.54	2,352.81	2,284.78	68.03	34.586		
9,800.00	7,106.05	6,512.00	6,484.48	84.80	28.72	-48.50	291.32	388.54	2,444.50	2,376.30	68.19	35.847		
9,900.00	7,105.17	6,471.85	6,446.27	87.40	28.59	-46.73	293.45	376.44	2,534.49	2,466.43	68.06	37.239		
10,000.00	7,104.30	6,468.39	6,442.93	90.02	28.57	-46.58	293.60	375.58	2,626.96	2,558.78	68.18	38.528		
10,100.00	7,103.42	6,465.15	6,439.78	92.64	28.56	-46.44	293.74	374.79	2,719.94	2,651.64	68.30	39.825		
10,200.00	7,102.54	6,462.10	6,436.82	95.28	28.55	-46.31	293.87	374.08	2,813.37	2,744.97	68.40	41.131		
10,300.00	7,101.66	6,459.22	6,434.02	97.94	28.54	-46.19	293.98	373.43	2,907.21	2,838.72	68.49	42.444		
10,400.00	7,100.79	6,417.00	6,392.48	100.60	28.40	-44.44	295.31	366.13	3,003.64	2,935.27	68.37	43.934		
10,500.00	7,099.91	6,417.00	6,392.48	103.27	28.40	-44.44	295.31	366.13	3,097.92	3,029.44	68.47	45.243		
10,600.00	7,099.03	6,417.00	6,392.48	105.95	28.40	-44.44	295.31	366.13	3,192.54	3,123.97	68.57	46.559		
10,700.00	7,098.15	6,417.00	6,392.48	108.64	28.40	-44.44	295.31	366.13	3,287.49	3,218.83	68.66	47.882		
10,800.00	7,097.28	6,417.00	6,392.48	111.33	28.40	-44.44	295.31	366.13	3,382.73	3,313.98	68.74	49.209		
10,900.00	7,096.40	6,417.00	6,392.48	114.04	28.40	-44.44	295.31	366.13	3,478.23	3,409.41	68.82	50.541		
11,000.00	7,095.52	6,417.00	6,392.48	116.74	28.40	-44.44	295.31	366.13	3,573.98	3,505.09	68.89	51.878		
11,100.00	7,094.64	6,417.00	6,392.48	119.46	28.40	-44.44	295.31	366.13	3,669.96	3,600.99	68.96	53.218		
11,200.00	7,093.77	6,417.00	6,392.48	122.18	28.40	-44.44	295.31	366.13	3,766.14	3,697.12	69.03	54.561		
11,300.00	7,092.89	6,417.00	6,392.48	124.91	28.40	-44.44	295.31	366.13	3,862.52	3,793.43	69.09	55.907		
11,400.00	7,092.01	6,417.00	6,392.48	127.64	28.40	-44.44	295.31	366.13	3,959.08	3,889.93	69.15	57.256		
11,500.00	7,091.13	6,417.00	6,392.48	130.38	28.40	-44.44	295.31	366.13	4,055.81	3,986.60	69.20	58.606		
11,600.00	7,090.26	6,417.00	6,392.48	133.12	28.40	-44.44	295.31	366.13	4,152.69	4,083.43	69.26	59.958		
11,700.00	7,089.38	6,417.00	6,392.48	135.86	28.40	-44.44	295.31	366.13	4,249.71	4,180.40	69.31	61.312		
11,800.00	7,088.50	6,417.00	6,392.48	138.61	28.40	-44.44	295.31	366.13	4,346.87	4,277.51	69.37	62.666		
11,900.00	7,087.63	6,417.00	6,392.48	141.36	28.40	-44.44	295.31	366.13	4,444.16	4,374.74	69.42	64.021		
12,000.00	7,086.75	6,417.00	6,392.48	144.12	28.40	-44.44	295.31	366.13	4,541.56	4,472.10	69.47	65.377		
12,100.00	7,085.87	6,417.00	6,392.48	146.88	28.40	-44.44	295.31	366.13	4,639.08	4,569.56	69.52	66.734		
12,200.00	7,084.99	6,417.00	6,392.48	149.64	28.40	-44.44	295.31	366.13	4,736.70	4,667.13	69.57	68.090		
12,300.00	7,084.12	6,417.00	6,392.48	152.40	28.40	-44.44	295.31	366.13	4,834.41	4,764.80	69.61	69.446		
12,400.00	7,083.24	6,417.00	6,392.48	155.17	28.40	-44.44	295.31	366.13	4,932.22	4,862.56	69.66	70.802		
12,500.00	7,082.36	6,417.00	6,392.48	157.94	28.40	-44.44	295.31	366.13	5,030.11	4,960.40	69.71	72.158		
12,600.00	7,081.48	6,417.00	6,392.48	160.71	28.40	-44.44	295.31	366.13	5,128.09	5,058.33	69.76	73.513		
12,700.00	7,080.61	6,417.00	6,392.48	163.49	28.40	-44.44	295.31	366.13	5,226.14	5,156.34	69.81	74.867		
12,800.00	7,079.73	6,417.00	6,392.48	166.27	28.40	-44.44	295.31	366.13	5,324.26	5,254.41	69.85	76.221		
12,900.00	7,078.85	6,417.00	6,392.48	169.04	28.40	-44.44	295.31	366.13	5,422.46	5,352.56	69.90	77.573		
13,000.00	7,077.97	6,417.00	6,392.48	171.83	28.40	-44.44	295.31	366.13	5,520.71	5,450.77	69.95	78.925		
13,100.00	7,077.10	6,417.00	6,392.48	174.61	28.40	-44.44	295.31	366.13	5,619.03	5,549.04	70.00	80.275		
13,200.00	7,076.22	6,417.00	6,392.48	177.39	28.40	-44.44	295.31	366.13	5,717.41	5,647.37	70.05	81.624		
13,300.00	7,075.34	6,417.00	6,392.48	180.18	28.40	-44.44	295.31	366.13	5,815.84	5,745.75	70.10	82.971		
13,400.00	7,074.46	6,417.00	6,392.48	182.97	28.40	-44.44	295.31	366.13	5,914.33	5,844.18	70.14	84.316		
13,500.00	7,073.59	6,417.00	6,392.48	185.76	28.40	-44.44	295.31	366.13	6,012.86	5,942.67	70.19	85.660		
13,600.00	7,072.71	6,417.00	6,392.48	188.55	28.40	-44.44	295.31	366.13	6,111.45	6,041.20	70.24	87.003		
13,700.00	7,071.83	6,417.00	6,392.48	191.34	28.40	-44.44	295.31	366.13	6,210.08	6,139.78	70.30	88.343		
13,800.00	7,070.95	6,417.00	6,392.48	194.14	28.40	-44.44	295.31	366.13	6,308.75	6,238.40	70.35	89.681		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
13,900.00	7,070.08	6,417.00	6,392.48	196.93	28.40	-44.44	295.31	366.13	6,407.46	6,337.06	70.40	91.017		
14,000.00	7,069.20	6,417.00	6,392.48	199.73	28.40	-44.44	295.31	366.13	6,506.21	6,435.76	70.45	92.351		
14,100.00	7,068.32	6,417.00	6,392.48	202.53	28.40	-44.44	295.31	366.13	6,605.00	6,534.50	70.50	93.683		
14,200.00	7,067.45	6,417.00	6,392.48	205.33	28.40	-44.44	295.31	366.13	6,703.83	6,633.27	70.56	95.013		
14,300.00	7,066.57	6,417.00	6,392.48	208.13	28.40	-44.44	295.31	366.13	6,802.68	6,732.07	70.61	96.340		
14,400.00	7,065.69	6,417.00	6,392.48	210.93	28.40	-44.44	295.31	366.13	6,901.58	6,830.91	70.67	97.665		
14,500.00	7,064.81	6,417.00	6,392.48	213.73	28.40	-44.44	295.31	366.13	7,000.50	6,929.78	70.72	98.987		
14,600.00	7,063.94	6,417.00	6,392.48	216.54	28.40	-44.44	295.31	366.13	7,099.46	7,028.68	70.78	100.307		
14,700.00	7,063.06	6,417.00	6,392.48	219.34	28.40	-44.44	295.31	366.13	7,198.44	7,127.60	70.83	101.624		
14,800.00	7,062.18	6,417.00	6,392.48	222.15	28.40	-44.44	295.31	366.13	7,297.45	7,226.56	70.89	102.938		
14,900.00	7,061.30	6,417.00	6,392.48	224.95	28.40	-44.44	295.31	366.13	7,396.49	7,325.54	70.95	104.250		
15,000.00	7,060.43	6,417.00	6,392.48	227.76	28.40	-44.44	295.31	366.13	7,495.55	7,424.54	71.01	105.559		
15,100.00	7,059.55	6,417.00	6,392.48	230.57	28.40	-44.44	295.31	366.13	7,594.64	7,523.57	71.07	106.865		
15,200.00	7,058.67	6,417.00	6,392.48	233.38	28.40	-44.44	295.31	366.13	7,693.75	7,622.62	71.13	108.168		
15,300.00	7,057.79	6,417.00	6,392.48	236.19	28.40	-44.44	295.31	366.13	7,792.88	7,721.69	71.19	109.469		
15,400.00	7,056.92	6,417.00	6,392.48	239.00	28.40	-44.44	295.31	366.13	7,892.04	7,820.79	71.25	110.766		
15,500.00	7,056.04	6,417.00	6,392.48	241.81	28.40	-44.44	295.31	366.13	7,991.21	7,919.90	71.31	112.060		
15,600.00	7,055.16	6,417.00	6,392.48	244.62	28.40	-44.44	295.31	366.13	8,090.41	8,019.04	71.37	113.351		
15,700.00	7,054.28	6,417.00	6,392.48	247.43	28.40	-44.44	295.31	366.13	8,189.63	8,118.19	71.44	114.640		
15,800.00	7,053.41	6,417.00	6,392.48	250.25	28.40	-44.44	295.31	366.13	8,288.86	8,217.36	71.50	115.924		
15,846.35	7,053.00	6,417.00	6,392.48	251.55	28.40	-44.44	295.31	366.13	8,334.86	8,263.33	71.53	116.519		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	97.38	-65.56	506.36	510.64					
100.00	100.00	98.87	98.86	3.28	3.30	97.45	-66.09	505.27	509.61	503.03	6.58	77.398		
200.00	200.00	199.90	199.88	3.34	3.37	97.56	-66.86	503.99	508.45	501.74	6.71	75.746		
300.00	299.98	302.44	302.40	3.44	3.51	53.34	-67.52	502.24	505.80	498.85	6.95	72.730		
400.00	399.84	402.50	402.44	3.61	3.69	53.99	-68.02	500.22	500.76	493.47	7.29	68.673		
500.00	499.45	508.56	508.47	3.81	3.93	55.11	-68.63	497.45	493.21	485.48	7.74	63.757		
600.00	598.70	612.25	612.07	4.06	4.20	56.67	-69.21	493.41	482.59	474.34	8.25	58.486		
700.00	697.47	704.66	704.42	4.35	4.46	58.51	-69.87	489.99	470.62	461.83	8.79	53.534		
800.00	795.62	805.80	805.49	4.66	4.78	60.99	-70.46	486.39	457.53	448.11	9.42	48.575		
817.50	812.73	820.22	819.91	4.73	4.83	61.40	-70.54	485.90	455.15	445.63	9.52	47.792		
900.00	893.32	894.29	893.94	5.01	5.07	63.35	-71.19	483.87	444.83	434.78	10.05	44.266		
1,000.00	991.01	990.49	990.11	5.38	5.40	65.99	-72.24	481.97	433.94	423.20	10.75	40.383		
1,100.00	1,088.69	1,090.28	1,089.86	5.77	5.76	68.95	-73.84	479.55	423.88	412.39	11.49	36.888		
1,200.00	1,186.38	1,189.39	1,188.88	6.18	6.13	72.17	-76.15	476.14	414.39	402.13	12.27	33.786		
1,300.00	1,284.06	1,285.58	1,284.97	6.60	6.50	75.48	-78.69	472.49	406.14	393.08	13.06	31.108		
1,400.00	1,381.75	1,381.27	1,380.56	7.03	6.87	78.90	-81.38	468.95	399.54	385.67	13.87	28.815		
1,500.00	1,479.44	1,476.57	1,475.78	7.47	7.25	82.35	-83.93	465.85	394.80	380.11	14.69	26.876		
1,600.00	1,577.12	1,574.03	1,573.18	7.91	7.64	85.80	-85.83	463.40	391.75	376.22	15.53	25.222		
1,700.00	1,674.81	1,674.63	1,673.72	8.37	8.04	89.42	-87.49	460.35	389.66	373.26	16.40	23.761		
1,753.55	1,727.11	1,722.96	1,721.99	8.61	8.24	91.29	-88.87	458.27	389.16	372.31	16.85	23.099 CC, ES		
1,800.00	1,772.49	1,764.40	1,763.35	8.82	8.42	92.96	-90.66	456.39	389.55	372.32	17.23	22.604		
1,900.00	1,870.18	1,852.59	1,851.23	9.28	8.79	96.73	-96.43	451.96	393.20	375.13	18.06	21.769		
2,000.00	1,967.87	1,945.04	1,943.23	9.75	9.19	100.73	-104.20	447.31	400.44	381.53	18.91	21.179		
2,100.00	2,065.55	2,038.59	2,036.43	10.22	9.59	104.44	-111.69	443.99	410.22	390.47	19.75	20.771		
2,200.00	2,163.24	2,133.57	2,130.99	10.69	10.00	108.09	-119.72	440.36	422.12	401.52	20.60	20.490		
2,300.00	2,260.92	2,229.33	2,226.18	11.16	10.43	111.82	-128.69	434.94	435.90	414.44	21.46	20.315		
2,400.00	2,358.61	2,322.50	2,318.90	11.64	10.84	115.05	-136.91	431.03	451.44	429.16	22.28	20.259		
2,500.00	2,456.30	2,417.96	2,413.97	12.12	11.26	117.95	-145.09	428.72	468.70	445.58	23.12	20.272		
2,600.00	2,553.98	2,517.25	2,512.87	12.59	11.70	120.80	-153.34	425.77	486.72	462.73	23.99	20.287		
2,700.00	2,651.67	2,611.70	2,606.86	13.08	12.13	123.55	-161.30	420.96	505.56	480.73	24.82	20.366		
2,800.00	2,749.35	2,706.46	2,701.17	13.56	12.57	126.08	-169.38	416.46	525.65	500.00	25.66	20.489		
2,900.00	2,847.04	2,802.88	2,797.16	14.04	13.01	128.42	-177.49	412.30	546.66	520.16	26.50	20.627		
3,000.00	2,944.72	2,900.55	2,894.47	14.52	13.45	130.50	-185.32	409.29	568.19	540.83	27.36	20.769		
3,100.00	3,042.41	2,989.86	2,983.41	15.01	13.86	132.30	-192.74	406.28	590.64	562.51	28.13	20.995		
3,200.00	3,140.10	3,089.88	3,082.95	15.50	14.32	134.27	-201.41	401.75	614.06	585.04	29.02	21.162		
3,300.00	3,237.78	3,205.64	3,198.29	15.98	14.85	136.47	-208.99	395.55	636.09	606.04	30.05	21.170		
3,400.00	3,335.47	3,305.10	3,297.45	16.47	15.30	138.29	-213.73	389.54	657.05	626.13	30.93	21.247		
3,500.00	3,433.15	3,402.64	3,394.78	16.96	15.74	139.91	-217.67	384.41	677.81	646.02	31.79	21.324		
3,600.00	3,530.84	3,491.96	3,483.88	17.45	16.15	141.26	-222.08	380.06	699.85	667.27	32.58	21.484		
3,700.00	3,628.53	3,594.93	3,586.64	17.94	16.61	142.74	-226.36	375.14	721.54	688.05	33.49	21.546		
3,800.00	3,726.21	3,672.77	3,664.21	18.43	16.97	143.89	-230.43	370.03	744.94	710.77	34.17	21.803		
3,900.00	3,823.90	3,765.05	3,756.04	18.92	17.40	145.23	-236.33	363.11	770.03	735.05	34.98	22.012		
4,000.00	3,921.58	3,856.33	3,846.84	19.41	17.84	146.48	-242.55	356.18	795.94	760.15	35.79	22.240		
4,100.00	4,019.27	3,952.91	3,942.91	19.90	18.29	147.72	-249.27	348.88	822.35	785.70	36.65	22.437		
4,200.00	4,116.96	4,052.95	4,042.47	20.39	18.77	148.90	-255.90	341.62	848.71	811.16	37.55	22.602		
4,300.00	4,214.64	4,132.97	4,122.08	20.88	19.15	149.76	-261.87	336.24	875.98	837.74	38.24	22.909		
4,400.00	4,312.33	4,234.85	4,223.43	21.37	19.63	150.72	-270.23	330.14	904.00	864.83	39.16	23.083		
4,500.00	4,410.01	4,349.77	4,337.95	21.87	20.17	151.73	-277.74	324.09	930.43	890.21	40.22	23.135		
4,600.00	4,507.70	4,439.30	4,427.20	22.36	20.58	152.42	-283.47	320.11	956.71	915.70	41.01	23.327		
4,700.00	4,605.39	4,548.79	4,536.40	22.85	21.09	153.20	-290.22	315.75	982.79	940.79	42.00	23.398		
4,800.00	4,703.07	4,716.52	4,703.96	23.35	21.78	154.02	-296.44	315.78	1,006.03	962.62	43.41	23.174		
4,900.00	4,800.76	4,820.21	4,807.64	23.84	22.17	154.53	-295.76	316.82	1,024.45	980.17	44.28	23.136		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,917.87	4,905.29	24.33	22.53	155.03	-294.55	317.24	1,042.58	997.47	45.12	23.108		
5,100.00	4,996.13	5,013.93	5,001.34	24.83	22.90	155.56	-293.11	316.79	1,060.86	1,014.91	45.95	23.085		
5,200.00	5,093.82	5,108.84	5,096.24	25.32	23.27	156.10	-291.65	315.65	1,079.46	1,032.66	46.79	23.070		
5,300.00	5,191.50	5,202.27	5,189.64	25.82	23.65	156.64	-290.27	314.03	1,098.40	1,050.77	47.62	23.065		
5,400.00	5,289.19	5,287.77	5,275.13	26.31	23.99	157.03	-290.31	313.82	1,118.25	1,069.85	48.40	23.106		
5,500.00	5,386.87	5,392.13	5,379.50	26.81	24.42	157.44	-290.86	314.22	1,138.38	1,089.07	49.31	23.088		
5,600.00	5,484.56	5,491.78	5,479.14	27.30	24.82	157.88	-290.38	313.84	1,157.94	1,107.75	50.18	23.074		
5,700.00	5,582.25	5,568.00	5,555.35	27.80	25.14	158.23	-290.61	312.85	1,178.61	1,127.72	50.89	23.159		
5,800.00	5,679.93	5,680.98	5,668.31	28.29	25.62	158.75	-290.99	310.75	1,199.60	1,147.71	51.89	23.120		
5,900.00	5,777.62	5,781.39	5,768.69	28.79	26.04	159.24	-290.04	308.48	1,219.68	1,166.90	52.78	23.110		
6,000.00	5,875.30	5,870.23	5,857.51	29.28	26.41	159.64	-290.05	306.64	1,240.58	1,187.00	53.58	23.153		
6,100.00	5,972.99	6,000.91	5,988.17	29.78	26.93	160.14	-288.45	306.14	1,259.63	1,204.95	54.67	23.039		
6,200.00	6,070.67	6,088.22	6,075.46	30.27	27.28	160.50	-286.57	305.34	1,278.30	1,222.84	55.47	23.047		
6,300.00	6,168.36	6,181.46	6,168.69	30.77	27.66	160.84	-285.87	304.64	1,298.17	1,241.87	56.30	23.057		
6,400.00	6,266.05	6,283.43	6,270.64	31.26	28.08	161.26	-283.96	303.04	1,317.46	1,260.26	57.20	23.033		
6,500.00	6,363.73	6,386.09	6,373.29	31.76	28.49	161.62	-282.72	302.42	1,336.99	1,278.90	58.10	23.013		
6,534.50	6,397.43	6,426.33	6,413.51	31.93	28.65	161.77	-281.78	301.87	1,343.51	1,285.08	58.44	22.991		
6,550.00	6,412.60	6,442.48	6,429.66	32.01	28.72	166.86	-281.41	301.75	1,346.32	1,287.74	58.58	22.984		
6,600.00	6,461.82	6,495.99	6,483.14	32.24	28.93	-170.87	-280.73	302.72	1,354.07	1,295.04	59.03	22.939		
6,650.00	6,511.25	6,603.75	6,590.01	32.45	29.33	-142.18	-282.30	315.15	1,359.22	1,299.46	59.76	22.745		
6,700.00	6,560.58	6,707.95	6,688.78	32.64	29.67	-118.85	-288.39	347.19	1,360.18	1,299.81	60.37	22.531		
6,750.00	6,609.51	7,084.57	7,003.48	32.83	30.79	-114.11	-295.29	547.07	1,355.73	1,294.94	60.79	22.303		
6,800.00	6,657.74	7,126.65	7,032.83	33.01	31.02	-107.16	-294.08	577.18	1,345.26	1,283.82	61.44	21.895		
6,850.00	6,704.97	7,155.99	7,052.13	33.18	31.19	-103.31	-293.56	599.27	1,335.09	1,272.99	62.10	21.499		
6,900.00	6,750.90	7,175.23	7,064.24	33.36	31.30	-100.99	-293.37	614.22	1,325.68	1,262.94	62.74	21.131		
6,950.00	6,795.26	7,189.93	7,073.19	33.54	31.40	-99.57	-293.29	625.88	1,317.31	1,253.97	63.35	20.795		
7,000.00	6,837.77	7,199.85	7,079.05	33.73	31.48	-98.59	-293.26	633.88	1,310.19	1,246.27	63.92	20.496		
7,050.00	6,878.17	7,199.89	7,079.08	33.92	31.48	-97.54	-293.26	633.92	1,304.47	1,240.07	64.40	20.255		
7,100.00	6,916.21	7,194.16	7,075.70	34.13	31.44	-96.46	-293.28	629.28	1,300.20	1,235.40	64.80	20.065		
7,150.00	6,951.66	7,184.76	7,070.07	34.36	31.36	-95.34	-293.32	621.76	1,297.39	1,232.26	65.13	19.921		
7,200.00	6,984.29	7,176.37	7,064.94	34.61	31.31	-94.34	-293.36	615.12	1,296.00	1,230.56	65.45	19.802		
7,224.43	6,999.15	7,171.67	7,062.03	34.75	31.28	-93.84	-293.39	611.43	1,295.84	1,230.24	65.60	19.754		
7,250.00	7,013.91	7,166.30	7,058.67	34.89	31.25	-93.30	-293.44	607.24	1,296.02	1,230.27	65.74	19.713		
7,300.00	7,040.34	7,154.62	7,051.25	35.20	31.18	-92.20	-293.58	598.22	1,297.35	1,231.34	66.02	19.651		
7,350.00	7,063.40	7,141.61	7,042.79	35.55	31.10	-91.05	-293.78	588.33	1,299.93	1,233.64	66.29	19.610		
7,400.00	7,082.97	7,127.46	7,033.38	35.94	31.02	-89.84	-294.06	577.78	1,303.63	1,237.07	66.56	19.585		
7,450.00	7,098.91	7,112.37	7,023.08	36.36	30.94	-88.60	-294.43	566.75	1,308.36	1,241.51	66.85	19.571		
7,500.00	7,111.13	7,104.44	7,017.68	36.83	30.88	-87.63	-294.59	560.94	1,313.94	1,246.71	67.23	19.545 SF		
7,550.00	7,119.55	7,069.54	6,992.69	37.34	30.74	-85.69	-295.77	536.62	1,320.30	1,252.91	67.39	19.592		
7,600.00	7,124.13	7,031.79	6,965.39	37.88	30.60	-83.77	-296.79	510.56	1,326.84	1,259.31	67.53	19.648		
7,639.68	7,125.00	6,999.97	6,942.18	38.33	30.51	-82.29	-297.45	488.81	1,331.97	1,264.33	67.64	19.693		
7,700.00	7,124.48	6,968.89	6,918.82	39.05	30.42	-81.29	-297.87	468.31	1,340.48	1,272.44	68.04	19.701		
7,800.00	7,123.60	6,930.48	6,887.83	40.40	30.32	-79.97	-297.97	445.65	1,358.79	1,289.88	68.91	19.719		
7,900.00	7,122.72	6,903.37	6,864.68	41.90	30.25	-78.99	-297.76	431.57	1,382.74	1,312.80	69.93	19.773		
8,000.00	7,121.84	6,849.08	6,816.63	43.54	30.09	-76.96	-296.57	406.32	1,412.00	1,341.42	70.58	20.005		
8,100.00	7,120.97	6,800.91	6,773.29	45.30	29.95	-75.15	-294.57	385.41	1,446.00	1,374.73	71.27	20.290		
8,200.00	7,120.09	6,742.11	6,719.90	47.17	29.77	-72.93	-291.00	361.03	1,484.42	1,412.69	71.73	20.694		
8,300.00	7,119.21	6,708.00	6,688.82	49.13	29.67	-71.65	-288.39	347.21	1,526.98	1,454.50	72.49	21.065		
8,400.00	7,118.33	6,708.00	6,688.82	51.18	29.67	-71.65	-288.39	347.21	1,574.49	1,500.83	73.66	21.375		
8,500.00	7,117.46	6,708.00	6,688.82	53.30	29.67	-71.65	-288.39	347.21	1,626.77	1,552.06	74.71	21.774		
8,600.00	7,116.58	6,671.24	6,654.78	55.48	29.55	-70.26	-285.67	333.64	1,681.86	1,606.68	75.18	22.370		
8,700.00	7,115.70	6,662.55	6,646.58	57.72	29.52	-69.93	-285.12	330.79	1,741.54	1,665.61	75.93	22.935		

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 32C-6-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 32C-6-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-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,114.82	6,654.62	6,639.06	60.02	29.50	-69.63	-284.64	328.31	1,804.64	1,728.04	76.60	23.559		
8,900.00	7,113.95	6,647.35	6,632.14	62.36	29.47	-69.35	-284.23	326.14	1,870.83	1,793.64	77.19	24.237		
9,000.00	7,113.07	6,613.00	6,599.02	64.74	29.36	-68.05	-282.64	317.19	1,940.70	1,863.30	77.40	25.073		
9,100.00	7,112.19	6,613.00	6,599.02	67.15	29.36	-68.05	-282.64	317.19	2,011.85	1,933.91	77.94	25.813		
9,200.00	7,111.31	6,613.00	6,599.02	69.60	29.36	-68.05	-282.64	317.19	2,085.38	2,006.97	78.41	26.597		
9,300.00	7,110.44	6,613.00	6,599.02	72.08	29.36	-68.05	-282.64	317.19	2,161.03	2,082.21	78.81	27.420		
9,400.00	7,109.56	6,613.00	6,599.02	74.58	29.36	-68.05	-282.64	317.19	2,238.59	2,159.43	79.16	28.279		
9,500.00	7,108.68	6,613.00	6,599.02	77.10	29.36	-68.05	-282.64	317.19	2,317.87	2,238.40	79.46	29.169		
9,600.00	7,107.81	6,613.00	6,599.02	79.65	29.36	-68.05	-282.64	317.19	2,398.70	2,318.97	79.73	30.087		
9,700.00	7,106.93	6,613.00	6,599.02	82.22	29.36	-68.05	-282.64	317.19	2,480.92	2,400.97	79.95	31.030		
9,800.00	7,106.05	6,613.00	6,599.02	84.80	29.36	-68.05	-282.64	317.19	2,564.41	2,484.27	80.15	31.996		
9,900.00	7,105.17	6,613.00	6,599.02	87.40	29.36	-68.05	-282.64	317.19	2,649.05	2,568.73	80.32	32.982		
10,000.00	7,104.30	6,613.00	6,599.02	90.02	29.36	-68.05	-282.64	317.19	2,734.72	2,654.26	80.46	33.987		
10,100.00	7,103.42	6,613.00	6,599.02	92.64	29.36	-68.05	-282.64	317.19	2,821.34	2,740.74	80.59	35.008		
10,200.00	7,102.54	6,613.00	6,599.02	95.28	29.36	-68.05	-282.64	317.19	2,908.81	2,828.11	80.70	36.043		
10,300.00	7,101.66	6,613.00	6,599.02	97.94	29.36	-68.05	-282.64	317.19	2,997.07	2,916.27	80.80	37.093		
10,400.00	7,100.79	6,613.00	6,599.02	100.60	29.36	-68.05	-282.64	317.19	3,086.04	3,005.16	80.88	38.154		
10,500.00	7,099.91	6,613.00	6,599.02	103.27	29.36	-68.05	-282.64	317.19	3,175.67	3,094.71	80.96	39.227		
10,600.00	7,099.03	6,613.00	6,599.02	105.95	29.36	-68.05	-282.64	317.19	3,265.90	3,184.88	81.02	40.310		
10,700.00	7,098.15	6,613.00	6,599.02	108.64	29.36	-68.05	-282.64	317.19	3,356.69	3,275.61	81.08	41.401		
10,800.00	7,097.28	6,572.81	6,559.61	111.33	29.21	-66.53	-281.41	309.47	3,446.23	3,365.30	80.94	42.580		
10,900.00	7,096.40	6,570.68	6,557.51	114.04	29.20	-66.45	-281.36	309.14	3,537.81	3,456.84	80.98	43.689		
11,000.00	7,095.52	6,568.65	6,555.50	116.74	29.20	-66.38	-281.31	308.84	3,629.83	3,548.82	81.01	44.806		
11,100.00	7,094.64	6,566.72	6,553.59	119.46	29.19	-66.30	-281.27	308.56	3,722.25	3,641.21	81.04	45.929		
11,200.00	7,093.77	6,564.86	6,551.76	122.18	29.18	-66.24	-281.23	308.29	3,815.04	3,733.97	81.07	47.057		
11,300.00	7,092.89	6,563.09	6,550.00	124.91	29.18	-66.17	-281.20	308.05	3,908.19	3,827.09	81.10	48.190		
11,400.00	7,092.01	6,561.40	6,548.32	127.64	29.17	-66.11	-281.17	307.82	4,001.65	3,920.53	81.12	49.328		
11,500.00	7,091.13	6,559.77	6,546.71	130.38	29.16	-66.05	-281.14	307.60	4,095.42	4,014.28	81.15	50.470		
11,600.00	7,090.26	6,518.00	6,505.13	133.12	29.01	-64.51	-280.71	303.73	4,191.20	4,110.20	81.00	51.741		
11,700.00	7,089.38	6,518.00	6,505.13	135.86	29.01	-64.51	-280.71	303.73	4,285.39	4,204.35	81.03	52.884		
11,800.00	7,088.50	6,518.00	6,505.13	138.61	29.01	-64.51	-280.71	303.73	4,379.83	4,298.77	81.06	54.031		
11,900.00	7,087.63	6,518.00	6,505.13	141.36	29.01	-64.51	-280.71	303.73	4,474.52	4,393.43	81.09	55.181		
12,000.00	7,086.75	6,518.00	6,505.13	144.12	29.01	-64.51	-280.71	303.73	4,569.44	4,488.32	81.11	56.334		
12,100.00	7,085.87	6,518.00	6,505.13	146.88	29.01	-64.51	-280.71	303.73	4,664.56	4,583.43	81.14	57.490		
12,200.00	7,084.99	6,518.00	6,505.13	149.64	29.01	-64.51	-280.71	303.73	4,759.89	4,678.73	81.16	58.647		
12,300.00	7,084.12	6,518.00	6,505.13	152.40	29.01	-64.51	-280.71	303.73	4,855.40	4,774.22	81.18	59.807		
12,400.00	7,083.24	6,518.00	6,505.13	155.17	29.01	-64.51	-280.71	303.73	4,951.10	4,869.89	81.21	60.969		
12,500.00	7,082.36	6,518.00	6,505.13	157.94	29.01	-64.51	-280.71	303.73	5,046.95	4,965.72	81.23	62.132		
12,600.00	7,081.48	6,518.00	6,505.13	160.71	29.01	-64.51	-280.71	303.73	5,142.97	5,061.72	81.25	63.297		
12,700.00	7,080.61	6,518.00	6,505.13	163.49	29.01	-64.51	-280.71	303.73	5,239.14	5,157.86	81.27	64.463		
12,800.00	7,079.73	6,518.00	6,505.13	166.27	29.01	-64.51	-280.71	303.73	5,335.44	5,254.15	81.30	65.630		
12,900.00	7,078.85	6,518.00	6,505.13	169.04	29.01	-64.51	-280.71	303.73	5,431.88	5,350.56	81.32	66.798		
13,000.00	7,077.97	6,518.00	6,505.13	171.83	29.01	-64.51	-280.71	303.73	5,528.45	5,447.11	81.34	67.967		
13,100.00	7,077.10	6,518.00	6,505.13	174.61	29.01	-64.51	-280.71	303.73	5,625.13	5,543.77	81.36	69.136		
13,200.00	7,076.22	6,518.00	6,505.13	177.39	29.01	-64.51	-280.71	303.73	5,721.93	5,640.55	81.39	70.306		
13,300.00	7,075.34	6,518.00	6,505.13	180.18	29.01	-64.51	-280.71	303.73	5,818.84	5,737.43	81.41	71.475		
13,400.00	7,074.46	6,518.00	6,505.13	182.97	29.01	-64.51	-280.71	303.73	5,915.85	5,834.42	81.43	72.645		
13,500.00	7,073.59	6,518.00	6,505.13	185.76	29.01	-64.51	-280.71	303.73	6,012.96	5,931.50	81.46	73.816		
13,600.00	7,072.71	6,518.00	6,505.13	188.55	29.01	-64.51	-280.71	303.73	6,110.17	6,028.68	81.48	74.986		
13,700.00	7,071.83	6,518.00	6,505.13	191.34	29.01	-64.51	-280.71	303.73	6,207.46	6,125.95	81.51	76.155		
13,800.00	7,070.95	6,518.00	6,505.13	194.14	29.01	-64.51	-280.71	303.73	6,304.83	6,223.30	81.54	77.325		
13,900.00	7,070.08	6,518.00	6,505.13	196.93	29.01	-64.51	-280.71	303.73	6,402.29	6,320.73	81.56	78.494		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 Wiedeman #12-5-4CHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 39-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
14,000.00	7,069.20	6,518.00	6,505.13	199.73	29.01	-64.51	-280.71	303.73	6,499.83	6,418.23	81.59	79.663					
14,100.00	7,068.32	6,518.00	6,505.13	202.53	29.01	-64.51	-280.71	303.73	6,597.43	6,515.81	81.62	80.831					
14,200.00	7,067.45	6,518.00	6,505.13	205.33	29.01	-64.51	-280.71	303.73	6,695.11	6,613.46	81.65	81.999					
14,300.00	7,066.57	6,518.00	6,505.13	208.13	29.01	-64.51	-280.71	303.73	6,792.86	6,711.18	81.68	83.165					
14,400.00	7,065.69	6,518.00	6,505.13	210.93	29.01	-64.51	-280.71	303.73	6,890.67	6,808.96	81.71	84.331					
14,500.00	7,064.81	6,518.00	6,505.13	213.73	29.01	-64.51	-280.71	303.73	6,988.54	6,906.80	81.74	85.497					
14,600.00	7,063.94	6,518.00	6,505.13	216.54	29.01	-64.51	-280.71	303.73	7,086.47	7,004.70	81.77	86.661					
14,700.00	7,063.06	6,518.00	6,505.13	219.34	29.01	-64.51	-280.71	303.73	7,184.46	7,102.66	81.81	87.824					
14,800.00	7,062.18	6,518.00	6,505.13	222.15	29.01	-64.51	-280.71	303.73	7,282.51	7,200.67	81.84	88.986					
14,900.00	7,061.30	6,518.00	6,505.13	224.95	29.01	-64.51	-280.71	303.73	7,380.60	7,298.73	81.87	90.147					
15,000.00	7,060.43	6,518.00	6,505.13	227.76	29.01	-64.51	-280.71	303.73	7,478.75	7,396.84	81.91	91.306					
15,100.00	7,059.55	6,518.00	6,505.13	230.57	29.01	-64.51	-280.71	303.73	7,576.95	7,495.00	81.94	92.465					
15,200.00	7,058.67	6,518.00	6,505.13	233.38	29.01	-64.51	-280.71	303.73	7,675.19	7,593.21	81.98	93.622					
15,300.00	7,057.79	6,518.00	6,505.13	236.19	29.01	-64.51	-280.71	303.73	7,773.47	7,691.46	82.02	94.778					
15,400.00	7,056.92	6,518.00	6,505.13	239.00	29.01	-64.51	-280.71	303.73	7,871.80	7,789.75	82.06	95.932					
15,500.00	7,056.04	6,518.00	6,505.13	241.81	29.01	-64.51	-280.71	303.73	7,970.18	7,888.08	82.09	97.085					
15,600.00	7,055.16	6,518.00	6,505.13	244.62	29.01	-64.51	-280.71	303.73	8,068.59	7,986.45	82.13	98.236					
15,700.00	7,054.28	6,518.00	6,505.13	247.43	29.01	-64.51	-280.71	303.73	8,167.04	8,084.86	82.18	99.386					
15,800.00	7,053.41	6,518.00	6,505.13	250.25	29.01	-64.51	-280.71	303.73	8,265.52	8,183.31	82.22	100.534					
15,846.35	7,053.00	6,518.00	6,505.13	251.55	29.01	-64.51	-280.71	303.73	8,311.18	8,228.95	82.24	101.065					

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	99.06	-80.50	504.97	511.40					
100.00	100.00	96.10	96.10	3.28	3.30	99.11	-80.89	504.47	510.92	504.34	6.58	77.622		
200.00	200.00	198.13	198.12	3.34	3.37	99.25	-81.97	503.53	510.18	503.47	6.71	76.029		
300.00	299.98	301.83	301.80	3.44	3.51	99.51	-83.29	501.89	507.83	500.88	6.95	73.027		
400.00	399.84	404.89	404.82	3.61	3.69	99.88	-84.54	499.50	502.78	495.48	7.30	68.878		
500.00	499.45	508.99	508.87	3.81	3.93	99.04	-85.30	496.37	495.13	487.40	7.74	63.986		
600.00	598.70	602.85	602.68	4.06	4.17	98.49	-86.05	493.43	485.71	477.49	8.22	59.097		
700.00	697.47	696.89	696.69	4.35	4.44	98.37	-87.30	491.43	475.90	467.13	8.76	54.297		
800.00	795.62	790.47	790.24	4.66	4.72	98.72	-89.06	490.13	465.84	456.47	9.36	49.744		
817.50	812.73	806.78	806.55	4.73	4.78	98.17	-89.40	489.98	464.08	454.61	9.48	48.976		
900.00	893.32	880.04	879.78	5.01	5.01	98.16	-91.35	489.84	456.78	446.79	10.00	45.694		
1,000.00	991.01	975.37	975.05	5.38	5.33	97.88	-94.58	490.50	449.97	439.28	10.68	42.117		
1,100.00	1,088.69	1,073.46	1,073.08	5.77	5.67	97.79	-98.19	491.04	444.27	432.86	11.42	38.916		
1,200.00	1,186.38	1,181.17	1,180.69	6.18	6.06	97.21	-102.61	489.95	438.67	426.45	12.22	35.907		
1,300.00	1,284.06	1,262.97	1,262.43	6.60	6.36	96.75	-105.46	489.87	434.85	421.91	12.94	33.607		
1,400.00	1,381.75	1,367.86	1,367.24	7.03	6.75	95.80	-108.45	492.42	434.10	420.34	13.76	31.543		
1,500.00	1,479.44	1,477.06	1,476.30	7.47	7.18	93.54	-112.82	489.38	431.01	416.38	14.63	29.460		
1,600.00	1,577.12	1,583.66	1,582.57	7.91	7.62	87.63	-117.75	482.64	427.37	411.86	15.51	27.555		
1,700.00	1,674.81	1,677.89	1,676.27	8.37	8.01	91.60	-123.10	474.26	424.67	408.30	16.36	25.950		
1,731.58	1,705.66	1,704.91	1,703.10	8.51	8.13	92.80	-125.03	471.63	424.44	407.82	16.63	25.526 CC, ES		
1,800.00	1,772.49	1,763.49	1,761.23	8.82	8.38	95.42	-129.76	466.21	425.50	408.30	17.19	24.746		
1,900.00	1,870.18	1,848.11	1,845.12	9.28	8.76	99.23	-138.09	458.96	430.93	412.92	18.01	23.926		
2,000.00	1,967.87	1,926.69	1,922.88	9.75	9.12	102.71	-147.77	453.15	441.52	422.75	18.76	23.530		
2,100.00	2,065.55	2,013.29	2,008.45	10.22	9.52	106.27	-160.38	448.88	457.41	437.87	19.55	23.401		
2,200.00	2,163.24	2,108.87	2,103.07	10.69	9.96	109.73	-173.57	445.92	475.47	455.07	20.39	23.315		
2,300.00	2,260.92	2,212.63	2,206.02	11.16	10.44	113.01	-186.34	444.01	494.27	472.97	21.31	23.199		
2,400.00	2,358.61	2,310.51	2,303.29	11.64	10.89	115.91	-196.90	441.27	512.68	490.51	22.17	23.130		
2,500.00	2,456.30	2,407.80	2,399.92	12.12	11.34	118.72	-207.58	437.48	532.19	509.17	23.02	23.115		
2,600.00	2,553.98	2,505.12	2,496.42	12.59	11.81	121.59	-218.32	431.06	552.38	528.50	23.88	23.129		
2,700.00	2,651.67	2,594.27	2,584.73	13.08	12.24	124.16	-228.37	424.09	573.87	549.20	24.67	23.262		
2,800.00	2,749.35	2,683.56	2,672.94	13.56	12.69	126.68	-239.53	415.97	597.58	572.12	25.45	23.478		
2,900.00	2,847.04	2,781.07	2,769.29	14.04	13.18	129.22	-251.79	407.32	622.58	596.27	26.32	23.658		
3,000.00	2,944.72	2,881.07	2,868.34	14.52	13.67	131.50	-263.23	399.75	647.58	620.38	27.20	23.806		
3,100.00	3,042.41	2,981.06	2,967.60	15.01	14.16	133.46	-273.76	393.88	672.55	644.47	28.09	23.945		
3,200.00	3,140.10	3,076.92	3,062.85	15.50	14.62	135.16	-283.30	388.80	697.61	668.67	28.93	24.111		
3,300.00	3,237.78	3,162.91	3,148.23	15.98	15.04	136.63	-292.24	383.71	723.66	693.98	29.68	24.381		
3,400.00	3,335.47	3,248.97	3,233.51	16.47	15.48	138.04	-302.30	378.09	751.50	721.07	30.43	24.697		
3,500.00	3,433.15	3,346.90	3,330.47	16.96	15.97	139.58	-314.18	371.12	780.32	749.02	31.30	24.928		
3,600.00	3,530.84	3,464.97	3,447.66	17.45	16.55	141.23	-326.45	363.83	807.88	775.50	32.38	24.952		
3,700.00	3,628.53	3,559.60	3,541.83	17.94	17.01	142.37	-334.76	359.48	834.04	800.82	33.22	25.109		
3,800.00	3,726.21	3,638.49	3,620.25	18.43	17.39	143.25	-342.52	355.89	861.50	827.60	33.90	25.412		
3,900.00	3,823.90	3,709.16	3,690.32	18.92	17.75	144.01	-351.03	352.45	891.36	856.88	34.49	25.847		
4,000.00	3,921.58	3,779.02	3,759.28	19.41	18.11	144.73	-361.43	348.41	924.20	889.16	35.04	26.373		
4,100.00	4,019.27	3,862.95	3,841.92	19.90	18.56	145.54	-375.27	343.53	958.79	923.02	35.77	26.807		
4,200.00	4,116.96	3,956.65	3,934.11	20.39	19.07	146.36	-391.16	338.24	993.97	957.36	36.61	27.147		
4,300.00	4,214.64	4,082.52	4,058.30	20.88	19.73	147.34	-410.72	332.23	1,027.85	990.01	37.84	27.161		
4,400.00	4,312.33	4,203.17	4,177.92	21.37	20.34	148.18	-425.80	327.99	1,058.68	1,019.71	38.98	27.162		
4,500.00	4,410.01	4,300.70	4,274.77	21.87	20.82	148.79	-436.93	325.18	1,088.54	1,048.68	39.86	27.310		
4,600.00	4,507.70	4,385.21	4,358.66	22.36	21.25	149.32	-446.69	322.10	1,118.84	1,078.23	40.61	27.551		
4,700.00	4,605.39	4,482.65	4,455.26	22.85	21.74	150.00	-458.30	316.72	1,150.07	1,108.57	41.50	27.715		
4,800.00	4,703.07	4,577.59	4,549.48	23.35	22.22	150.64	-468.68	311.27	1,180.58	1,138.22	42.36	27.871		
4,900.00	4,800.76	4,671.32	4,642.41	23.84	22.70	151.27	-479.27	305.30	1,211.73	1,168.52	43.21	28.044		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,767.26	4,737.60	24.33	23.18	151.83	-490.09	300.30	1,242.65	1,198.56	44.08	28.190		
5,100.00	4,996.13	4,881.04	4,850.56	24.83	23.75	152.34	-503.30	296.93	1,273.37	1,228.23	45.13	28.213		
5,200.00	5,093.82	5,015.96	4,984.87	25.32	24.39	152.91	-515.68	293.94	1,301.67	1,255.31	46.36	28.075		
5,300.00	5,191.50	5,200.00	5,168.67	25.82	25.19	153.67	-524.22	291.74	1,325.80	1,277.91	47.88	27.688		
5,400.00	5,289.19	5,314.31	5,282.97	26.31	25.64	154.14	-525.14	291.46	1,345.97	1,297.12	48.85	27.554		
5,500.00	5,386.87	5,435.89	5,404.52	26.81	26.09	154.71	-523.20	289.95	1,364.22	1,314.40	49.82	27.381		
5,600.00	5,484.56	5,539.92	5,508.49	27.30	26.46	155.24	-520.14	287.95	1,381.60	1,330.90	50.70	27.251		
5,700.00	5,582.25	5,632.38	5,600.87	27.80	26.80	155.71	-517.22	285.71	1,399.05	1,347.54	51.52	27.157		
5,800.00	5,679.93	5,723.54	5,692.01	28.29	27.13	156.08	-515.53	285.28	1,417.11	1,364.78	52.33	27.081		
5,900.00	5,777.62	5,826.82	5,795.27	28.79	27.50	156.39	-514.69	287.09	1,435.39	1,382.18	53.20	26.979		
6,000.00	5,875.30	5,902.77	5,871.21	29.28	27.78	156.65	-513.73	287.39	1,453.86	1,399.92	53.94	26.954		
6,100.00	5,972.99	5,998.29	5,966.73	29.78	28.15	156.99	-514.12	286.76	1,474.18	1,419.39	54.79	26.907		
6,200.00	6,070.67	6,102.47	6,070.90	30.27	28.56	157.37	-512.93	286.06	1,493.14	1,437.46	55.69	26.813		
6,300.00	6,168.36	6,213.85	6,182.27	30.77	28.98	157.76	-512.08	285.60	1,512.49	1,455.86	56.63	26.710		
6,400.00	6,266.05	6,317.70	6,286.10	31.26	29.37	158.14	-509.79	284.74	1,530.68	1,473.17	57.51	26.615		
6,500.00	6,363.73	6,494.99	6,463.21	31.76	30.00	158.58	-505.11	289.38	1,547.90	1,489.18	58.71	26.363		
6,534.50	6,397.43	6,561.94	6,529.61	31.93	30.22	158.53	-502.62	297.41	1,551.91	1,492.80	59.11	26.254		
6,550.00	6,412.60	6,584.18	6,551.46	32.01	30.29	163.39	-502.18	301.52	1,553.52	1,494.25	59.26	26.214		
6,600.00	6,461.82	6,689.29	6,652.18	32.24	30.63	-175.62	-502.21	331.11	1,556.56	1,496.76	59.80	26.029		
6,650.00	6,511.25	6,740.37	6,698.63	32.45	30.77	-147.31	-504.25	352.23	1,557.36	1,497.13	60.23	25.856		
6,700.00	6,560.58	7,135.37	6,998.65	32.64	31.53	-132.79	-513.30	602.55	1,553.67	1,492.65	61.02	25.460		
6,750.00	6,609.51	7,179.13	7,023.48	32.83	31.59	-119.22	-512.90	638.58	1,545.29	1,483.54	61.75	25.023		
6,800.00	6,657.74	7,200.62	7,034.99	33.01	31.70	-111.27	-512.78	656.72	1,537.36	1,474.91	62.46	24.615		
6,850.00	6,704.97	7,213.73	7,041.78	33.18	31.82	-106.45	-512.76	667.95	1,530.27	1,467.17	63.10	24.252		
6,900.00	6,750.90	7,221.26	7,045.59	33.36	31.89	-103.30	-512.78	674.44	1,524.19	1,460.52	63.67	23.939		
6,950.00	6,795.26	7,224.15	7,047.04	33.54	31.91	-101.05	-512.79	676.94	1,519.22	1,455.05	64.17	23.675		
7,000.00	6,837.77	7,223.17	7,046.55	33.73	31.91	-99.29	-512.78	676.09	1,515.45	1,450.85	64.60	23.459		
7,050.00	6,878.17	7,218.95	7,044.43	33.92	31.87	-97.80	-512.77	672.44	1,512.90	1,447.93	64.97	23.287		
7,100.00	6,916.21	7,212.00	7,040.89	34.13	31.80	-96.44	-512.76	666.46	1,511.55	1,446.27	65.28	23.156		
7,132.58	6,939.61	7,206.21	7,037.91	34.28	31.75	-95.61	-512.77	661.49	1,511.30	1,445.85	65.46	23.089		
7,150.00	6,951.66	7,202.74	7,036.10	34.36	31.72	-95.16	-512.77	658.53	1,511.37	1,445.83	65.54	23.060		
7,200.00	6,984.29	7,191.51	7,030.17	34.61	31.62	-93.91	-512.81	649.00	1,512.31	1,446.54	65.77	22.994		
7,250.00	7,013.91	7,177.02	7,022.33	34.89	31.59	-92.61	-512.91	636.82	1,514.29	1,448.31	65.97	22.953		
7,300.00	7,040.34	7,158.68	7,012.11	35.20	31.56	-91.23	-513.07	621.59	1,517.17	1,451.01	66.16	22.932		
7,350.00	7,063.40	7,139.00	7,000.78	35.55	31.54	-89.85	-513.26	605.50	1,520.83	1,454.48	66.35	22.923		
7,400.00	7,082.97	7,118.18	6,988.41	35.94	31.52	-88.48	-513.49	588.76	1,525.15	1,458.60	66.54	22.920		
7,450.00	7,098.91	7,100.16	6,977.37	36.36	31.51	-87.25	-513.69	574.51	1,529.98	1,463.20	66.78	22.910		
7,500.00	7,111.13	7,066.49	6,955.95	36.83	31.45	-85.59	-514.10	548.54	1,535.20	1,468.26	66.95	22.932		
7,550.00	7,119.55	7,033.09	6,933.64	37.34	31.40	-84.04	-514.25	523.69	1,540.48	1,473.34	67.14	22.945		
7,600.00	7,124.13	6,999.93	6,910.49	37.88	31.35	-82.58	-514.14	499.95	1,545.70	1,478.34	67.36	22.947		
7,639.68	7,125.00	6,977.62	6,894.34	38.33	31.31	-81.61	-513.94	484.56	1,549.74	1,482.12	67.62	22.920		
7,700.00	7,124.48	6,947.03	6,871.41	39.05	31.25	-80.77	-513.57	464.32	1,556.58	1,488.50	68.08	22.863		
7,800.00	7,123.60	6,908.60	6,841.37	40.40	31.18	-79.67	-512.92	440.38	1,571.40	1,502.34	69.06	22.755 SF		
7,900.00	7,122.72	6,813.21	6,762.30	41.90	30.96	-76.78	-508.94	387.25	1,589.97	1,520.54	69.43	22.902		
8,000.00	7,121.84	6,804.00	6,754.42	43.54	30.94	-76.49	-508.27	382.53	1,612.71	1,541.85	70.86	22.760		
8,100.00	7,120.97	6,762.76	6,718.52	45.30	30.83	-75.19	-505.49	362.43	1,640.01	1,568.12	71.89	22.814		
8,200.00	7,120.09	6,743.45	6,701.38	47.17	30.77	-74.57	-504.41	353.60	1,672.55	1,599.39	73.16	22.862		
8,300.00	7,119.21	6,709.00	6,670.31	49.13	30.68	-73.47	-502.82	338.82	1,710.05	1,635.86	74.19	23.049		
8,400.00	7,118.33	6,709.00	6,670.31	51.18	30.68	-73.47	-502.82	338.82	1,751.63	1,676.06	75.57	23.178		
8,500.00	7,117.46	6,709.00	6,670.31	53.30	30.68	-73.47	-502.82	338.82	1,797.81	1,720.96	76.85	23.394		
8,600.00	7,116.58	6,691.65	6,654.37	55.48	30.63	-72.90	-502.26	331.99	1,847.87	1,770.03	77.84	23.738		
8,700.00	7,115.70	6,683.95	6,647.21	57.72	30.61	-72.65	-502.10	329.15	1,901.81	1,822.97	78.85	24.121		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	6,664.00	6,628.45	60.02	30.55	-72.00	-501.93	322.37	1,959.45	1,879.82	79.64	24.605		
8,900.00	7,113.95	6,664.00	6,628.45	62.36	30.55	-72.00	-501.93	322.37	2,019.91	1,939.38	80.53	25.083		
9,000.00	7,113.07	6,664.00	6,628.45	64.74	30.55	-72.00	-501.93	322.37	2,083.41	2,002.09	81.33	25.618		
9,100.00	7,112.19	6,664.00	6,628.45	67.15	30.55	-72.00	-501.93	322.37	2,149.70	2,067.66	82.04	26.204		
9,200.00	7,111.31	6,645.88	6,611.20	69.60	30.49	-71.41	-501.93	316.83	2,218.25	2,135.71	82.54	26.876		
9,300.00	7,110.44	6,637.73	6,603.40	72.08	30.47	-71.14	-501.93	314.49	2,289.07	2,206.02	83.05	27.563		
9,400.00	7,109.56	6,614.00	6,580.51	74.58	30.39	-70.37	-501.95	308.22	2,362.11	2,278.72	83.39	28.327		
9,500.00	7,108.68	6,614.00	6,580.51	77.10	30.39	-70.37	-501.95	308.22	2,436.65	2,352.79	83.85	29.059		
9,600.00	7,107.81	6,614.00	6,580.51	79.65	30.39	-70.37	-501.95	308.22	2,512.95	2,428.69	84.26	29.823		
9,700.00	7,106.93	6,614.00	6,580.51	82.22	30.39	-70.37	-501.95	308.22	2,590.87	2,506.24	84.62	30.616		
9,800.00	7,106.05	6,614.00	6,580.51	84.80	30.39	-70.37	-501.95	308.22	2,670.25	2,585.31	84.94	31.435		
9,900.00	7,105.17	6,614.00	6,580.51	87.40	30.39	-70.37	-501.95	308.22	2,750.99	2,665.76	85.23	32.278		
10,000.00	7,104.30	6,614.00	6,580.51	90.02	30.39	-70.37	-501.95	308.22	2,832.95	2,747.47	85.48	33.142		
10,100.00	7,103.42	6,614.00	6,580.51	92.64	30.39	-70.37	-501.95	308.22	2,916.04	2,830.33	85.70	34.026		
10,200.00	7,102.54	6,614.00	6,580.51	95.28	30.39	-70.37	-501.95	308.22	3,000.16	2,914.26	85.90	34.927		
10,300.00	7,101.66	6,614.00	6,580.51	97.94	30.39	-70.37	-501.95	308.22	3,085.22	2,999.15	86.07	35.844		
10,400.00	7,100.79	6,614.00	6,580.51	100.60	30.39	-70.37	-501.95	308.22	3,171.16	3,084.93	86.23	36.776		
10,500.00	7,099.91	6,614.00	6,580.51	103.27	30.39	-70.37	-501.95	308.22	3,257.91	3,171.54	86.37	37.722		
10,600.00	7,099.03	6,575.46	6,542.90	105.95	30.27	-69.11	-502.32	299.82	3,343.98	3,257.64	86.34	38.729		
10,700.00	7,098.15	6,572.41	6,539.90	108.64	30.26	-69.01	-502.38	299.25	3,431.92	3,345.47	86.45	39.699		
10,800.00	7,097.28	6,569.49	6,537.04	111.33	30.25	-68.92	-502.44	298.72	3,520.48	3,433.94	86.54	40.679		
10,900.00	7,096.40	6,566.71	6,534.30	114.04	30.24	-68.83	-502.50	298.22	3,609.63	3,523.01	86.63	41.668		
11,000.00	7,095.52	6,564.05	6,531.68	116.74	30.23	-68.74	-502.57	297.76	3,699.32	3,612.62	86.70	42.666		
11,100.00	7,094.64	6,561.50	6,529.17	119.46	30.22	-68.66	-502.63	297.33	3,789.52	3,702.74	86.77	43.671		
11,200.00	7,093.77	6,559.05	6,526.76	122.18	30.21	-68.58	-502.69	296.93	3,880.18	3,793.34	86.84	44.683		
11,300.00	7,092.89	6,519.00	6,487.09	124.91	30.08	-67.30	-504.10	291.59	3,972.60	3,885.82	86.78	45.778		
11,400.00	7,092.01	6,519.00	6,487.09	127.64	30.08	-67.30	-504.10	291.59	4,063.96	3,977.11	86.84	46.797		
11,500.00	7,091.13	6,519.00	6,487.09	130.38	30.08	-67.30	-504.10	291.59	4,155.71	4,068.81	86.90	47.821		
11,600.00	7,090.26	6,519.00	6,487.09	133.12	30.08	-67.30	-504.10	291.59	4,247.83	4,160.88	86.95	48.851		
11,700.00	7,089.38	6,519.00	6,487.09	135.86	30.08	-67.30	-504.10	291.59	4,340.30	4,253.30	87.00	49.887		
11,800.00	7,088.50	6,519.00	6,487.09	138.61	30.08	-67.30	-504.10	291.59	4,433.10	4,346.06	87.05	50.927		
11,900.00	7,087.63	6,519.00	6,487.09	141.36	30.08	-67.30	-504.10	291.59	4,526.21	4,439.12	87.09	51.972		
12,000.00	7,086.75	6,519.00	6,487.09	144.12	30.08	-67.30	-504.10	291.59	4,619.60	4,532.48	87.13	53.020		
12,100.00	7,085.87	6,519.00	6,487.09	146.88	30.08	-67.30	-504.10	291.59	4,713.27	4,626.10	87.17	54.072		
12,200.00	7,084.99	6,519.00	6,487.09	149.64	30.08	-67.30	-504.10	291.59	4,807.19	4,719.99	87.20	55.128		
12,300.00	7,084.12	6,519.00	6,487.09	152.40	30.08	-67.30	-504.10	291.59	4,901.35	4,814.12	87.23	56.187		
12,400.00	7,083.24	6,519.00	6,487.09	155.17	30.08	-67.30	-504.10	291.59	4,995.74	4,908.48	87.26	57.249		
12,500.00	7,082.36	6,519.00	6,487.09	157.94	30.08	-67.30	-504.10	291.59	5,090.34	5,003.05	87.29	58.313		
12,600.00	7,081.48	6,519.00	6,487.09	160.71	30.08	-67.30	-504.10	291.59	5,185.15	5,097.83	87.32	59.380		
12,700.00	7,080.61	6,519.00	6,487.09	163.49	30.08	-67.30	-504.10	291.59	5,280.14	5,192.79	87.35	60.449		
12,800.00	7,079.73	6,519.00	6,487.09	166.27	30.08	-67.30	-504.10	291.59	5,375.32	5,287.95	87.38	61.519		
12,900.00	7,078.85	6,519.00	6,487.09	169.04	30.08	-67.30	-504.10	291.59	5,470.67	5,383.27	87.40	62.592		
13,000.00	7,077.97	6,519.00	6,487.09	171.83	30.08	-67.30	-504.10	291.59	5,566.19	5,478.76	87.43	63.666		
13,100.00	7,077.10	6,519.00	6,487.09	174.61	30.08	-67.30	-504.10	291.59	5,661.85	5,574.40	87.45	64.742		
13,200.00	7,076.22	6,519.00	6,487.09	177.39	30.08	-67.30	-504.10	291.59	5,757.67	5,670.19	87.48	65.819		
13,300.00	7,075.34	6,519.00	6,487.09	180.18	30.08	-67.30	-504.10	291.59	5,853.62	5,766.12	87.50	66.897		
13,400.00	7,074.46	6,519.00	6,487.09	182.97	30.08	-67.30	-504.10	291.59	5,949.71	5,862.19	87.53	67.976		
13,500.00	7,073.59	6,519.00	6,487.09	185.76	30.08	-67.30	-504.10	291.59	6,045.93	5,958.38	87.55	69.056		
13,600.00	7,072.71	6,519.00	6,487.09	188.55	30.08	-67.30	-504.10	291.59	6,142.27	6,054.69	87.58	70.136		
13,700.00	7,071.83	6,519.00	6,487.09	191.34	30.08	-67.30	-504.10	291.59	6,238.72	6,151.12	87.60	71.217		
13,800.00	7,070.95	6,519.00	6,487.09	194.14	30.08	-67.30	-504.10	291.59	6,335.28	6,247.65	87.63	72.299		
13,900.00	7,070.08	6,519.00	6,487.09	196.93	30.08	-67.30	-504.10	291.59	6,431.95	6,344.29	87.65	73.381		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 Wiedeman #12-5-4NCHZ - OH - OH		Offset Site Error:		0.00 ft	
Survey Program: 39-MWD														Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
14,000.00	7,069.20	6,519.00	6,487.09	199.73	30.08	-67.30	-504.10	291.59	6,528.71	6,441.04	87.68	74.463					
14,100.00	7,068.32	6,519.00	6,487.09	202.53	30.08	-67.30	-504.10	291.59	6,625.58	6,537.87	87.70	75.545					
14,200.00	7,067.45	6,519.00	6,487.09	205.33	30.08	-67.30	-504.10	291.59	6,722.53	6,634.80	87.73	76.628					
14,300.00	7,066.57	6,519.00	6,487.09	208.13	30.08	-67.30	-504.10	291.59	6,819.57	6,731.82	87.76	77.710					
14,400.00	7,065.69	6,519.00	6,487.09	210.93	30.08	-67.30	-504.10	291.59	6,916.70	6,828.92	87.78	78.793					
14,500.00	7,064.81	6,519.00	6,487.09	213.73	30.08	-67.30	-504.10	291.59	7,013.91	6,926.10	87.81	79.875					
14,600.00	7,063.94	6,519.00	6,487.09	216.54	30.08	-67.30	-504.10	291.59	7,111.20	7,023.36	87.84	80.957					
14,700.00	7,063.06	6,519.00	6,487.09	219.34	30.08	-67.30	-504.10	291.59	7,208.56	7,120.69	87.87	82.038					
14,800.00	7,062.18	6,519.00	6,487.09	222.15	30.08	-67.30	-504.10	291.59	7,305.99	7,218.09	87.90	83.119					
14,900.00	7,061.30	6,519.00	6,487.09	224.95	30.08	-67.30	-504.10	291.59	7,403.49	7,315.56	87.93	84.200					
15,000.00	7,060.43	6,519.00	6,487.09	227.76	30.08	-67.30	-504.10	291.59	7,501.05	7,413.09	87.96	85.280					
15,100.00	7,059.55	6,519.00	6,487.09	230.57	30.08	-67.30	-504.10	291.59	7,598.68	7,510.69	87.99	86.359					
15,200.00	7,058.67	6,519.00	6,487.09	233.38	30.08	-67.30	-504.10	291.59	7,696.37	7,608.35	88.02	87.438					
15,300.00	7,057.79	6,519.00	6,487.09	236.19	30.08	-67.30	-504.10	291.59	7,794.12	7,706.06	88.05	88.516					
15,400.00	7,056.92	6,519.00	6,487.09	239.00	30.08	-67.30	-504.10	291.59	7,891.92	7,803.84	88.09	89.593					
15,500.00	7,056.04	6,519.00	6,487.09	241.81	30.08	-67.30	-504.10	291.59	7,989.78	7,901.66	88.12	90.670					
15,600.00	7,055.16	6,519.00	6,487.09	244.62	30.08	-67.30	-504.10	291.59	8,087.69	7,999.54	88.15	91.745					
15,700.00	7,054.28	6,519.00	6,487.09	247.43	30.08	-67.30	-504.10	291.59	8,185.65	8,097.47	88.19	92.820					
15,800.00	7,053.41	6,519.00	6,487.09	250.25	30.08	-67.30	-504.10	291.59	8,283.67	8,195.44	88.22	93.893					
15,846.35	7,053.00	6,519.00	6,487.09	251.55	30.08	-67.30	-504.10	291.59	8,329.11	8,240.87	88.24	94.390					



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	90.65	-5.82	512.49	512.57					
100.00	100.00	98.82	98.82	3.28	3.29	90.68	-6.05	511.92	511.99	505.42	6.57	77.900		
200.00	200.00	202.12	202.10	3.34	3.32	90.75	-6.67	510.22	510.34	503.68	6.66	76.633		
300.00	299.98	299.26	299.23	3.44	3.41	46.38	-6.41	508.72	507.59	500.73	6.86	74.019		
400.00	399.84	396.39	396.34	3.61	3.55	46.68	-4.74	507.88	503.09	495.94	7.15	70.325		
500.00	499.45	494.09	493.96	3.81	3.74	47.03	-0.78	507.43	496.57	489.03	7.54	65.858		
600.00	598.70	592.09	591.66	4.06	3.96	47.30	6.75	507.55	488.18	480.17	8.01	60.952		
700.00	697.47	690.13	689.33	4.35	4.22	47.78	15.33	507.87	477.61	469.06	8.55	55.843		
800.00	795.62	789.92	788.72	4.66	4.52	48.63	24.18	508.47	465.03	455.86	9.17	50.731		
817.50	812.73	807.81	806.53	4.73	4.58	48.80	25.94	508.53	462.55	453.26	9.28	49.824		
900.00	893.32	892.05	890.20	5.01	4.87	49.31	35.61	508.59	450.40	440.56	9.85	45.731		
1,000.00	991.01	997.06	993.98	5.38	5.26	49.46	51.61	507.91	434.81	424.21	10.60	41.018		
1,100.00	1,088.69	1,097.80	1,093.06	5.77	5.68	49.23	69.69	506.26	418.07	406.68	11.39	36.698		
1,200.00	1,186.38	1,196.31	1,189.83	6.18	6.12	48.89	88.10	504.52	401.19	388.98	12.22	32.837		
1,300.00	1,284.06	1,293.41	1,285.24	6.60	6.57	48.55	106.05	503.00	384.53	371.46	13.07	29.421		
1,400.00	1,381.75	1,393.56	1,383.67	7.03	7.05	48.19	124.43	501.43	367.89	353.93	13.96	26.359		
1,500.00	1,479.44	1,496.14	1,484.74	7.47	7.55	48.03	141.83	498.95	350.46	335.60	14.86	23.584		
1,600.00	1,577.12	1,592.67	1,579.87	7.91	8.02	47.90	157.98	496.47	332.89	317.13	15.76	21.124		
1,700.00	1,674.81	1,694.33	1,680.15	8.37	8.52	47.88	174.33	493.24	314.74	298.06	16.68	18.870		
1,800.00	1,772.49	1,788.28	1,772.78	8.82	8.99	47.78	189.80	490.62	296.97	279.38	17.60	16.876		
1,900.00	1,870.18	1,882.07	1,865.23	9.28	9.47	47.60	205.56	489.62	280.89	262.36	18.53	15.158		
2,000.00	1,967.87	1,979.66	1,961.35	9.75	9.97	47.28	222.43	489.59	265.82	246.34	19.49	13.642		
2,100.00	2,065.55	2,079.78	2,059.65	10.22	10.50	46.52	241.39	489.73	250.93	230.47	20.46	12.263		
2,200.00	2,163.24	2,184.22	2,162.25	10.69	11.07	45.71	260.85	488.16	234.45	213.00	21.44	10.934		
2,300.00	2,260.92	2,285.34	2,261.78	11.16	11.61	45.14	278.36	484.40	215.79	193.38	22.41	9.628		
2,400.00	2,358.61	2,381.82	2,356.35	11.64	12.14	43.89	297.10	480.83	197.27	173.86	23.41	8.428		
2,500.00	2,456.30	2,478.33	2,451.11	12.12	12.67	42.62	315.19	478.30	179.87	155.46	24.41	7.369		
2,600.00	2,553.98	2,573.92	2,545.01	12.59	13.20	41.18	332.99	476.83	163.64	138.22	25.42	6.438		
2,700.00	2,651.67	2,671.38	2,640.46	13.08	13.75	38.86	352.70	477.15	149.55	123.13	26.43	5.659		
2,800.00	2,749.35	2,771.27	2,738.21	13.56	14.32	35.82	373.24	476.94	135.30	107.88	27.43	4.933		
2,900.00	2,847.04	2,871.55	2,836.37	14.04	14.89	32.02	393.71	475.76	120.54	92.14	28.40	4.244		
3,000.00	2,944.72	2,969.80	2,932.59	14.52	15.46	27.28	413.50	473.80	105.57	76.21	29.36	3.596		
3,100.00	3,042.41	3,069.20	3,030.04	15.01	16.03	21.31	433.00	471.95	91.46	61.20	30.26	3.023		
3,200.00	3,140.10	3,167.36	3,126.39	15.50	16.58	13.67	451.66	469.85	78.08	47.00	31.08	2.512		
3,300.00	3,237.78	3,266.44	3,223.78	15.98	17.13	3.77	469.80	468.08	66.43	34.67	31.76	2.091		
3,400.00	3,335.47	3,364.48	3,320.22	16.47	17.67	-8.91	487.38	466.83	57.48	25.18	32.30	1.779		
3,500.00	3,433.15	3,463.36	3,417.57	16.96	18.22	-23.73	504.72	466.81	52.34	19.55	32.79	1.596		
3,578.57	3,509.91	3,541.16	3,494.18	17.34	18.64	-36.91	518.26	466.65	51.05	17.77	33.28	1.534 CC		
3,600.00	3,530.84	3,562.38	3,515.09	17.45	18.76	-40.56	521.91	466.60	51.15	17.69	33.46	1.529		
3,700.00	3,628.53	3,661.60	3,612.91	17.94	19.30	-57.34	538.48	465.97	53.88	19.35	34.53	1.560		
3,800.00	3,726.21	3,758.87	3,708.59	18.43	19.84	-70.66	555.94	465.40	61.77	25.96	35.81	1.725		
3,900.00	3,823.90	3,857.06	3,804.90	18.92	20.40	-79.98	575.08	464.82	73.53	36.40	37.13	1.981		
4,000.00	3,921.58	3,955.36	3,901.23	19.41	20.97	-86.73	594.57	463.74	87.29	48.89	38.40	2.273		
4,100.00	4,019.27	4,053.95	3,997.96	19.90	21.53	-92.14	613.58	461.95	102.09	62.45	39.63	2.576		
4,200.00	4,116.96	4,152.41	4,094.64	20.39	22.09	-96.41	632.11	459.88	117.50	76.68	40.82	2.879		
4,300.00	4,214.64	4,250.96	4,191.52	20.88	22.65	-100.17	649.91	456.92	133.73	91.75	41.98	3.186		
4,400.00	4,312.33	4,351.81	4,290.57	21.37	23.22	-102.49	668.89	456.04	148.98	105.83	43.15	3.452		
4,500.00	4,410.01	4,450.13	4,387.18	21.87	23.78	-104.35	687.13	455.51	163.98	119.75	44.24	3.707		
4,600.00	4,507.70	4,547.95	4,483.35	22.36	24.33	-106.10	704.91	454.34	179.54	134.24	45.30	3.963		
4,700.00	4,605.39	4,647.20	4,581.01	22.85	24.88	-107.78	722.55	452.56	195.59	149.20	46.39	4.216		
4,800.00	4,703.07	4,747.50	4,679.61	23.35	25.45	-108.91	740.93	452.18	210.74	163.25	47.49	4.438		
4,900.00	4,800.76	4,845.58	4,776.12	23.84	26.00	-110.01	758.39	451.64	225.90	177.37	48.54	4.654		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,943.17	4,872.19	24.33	26.54	-111.07	775.53	450.54	241.57	192.00	49.57	4.873		
5,100.00	4,996.13	5,043.69	4,971.26	24.83	27.09	-112.23	792.44	448.97	257.44	206.78	50.65	5.082		
5,200.00	5,093.82	5,141.31	5,067.55	25.32	27.62	-113.24	808.50	448.14	272.61	220.93	51.68	5.275		
5,300.00	5,191.50	5,238.09	5,162.80	25.82	28.16	-113.96	825.56	446.67	288.87	236.19	52.68	5.484		
5,400.00	5,289.19	5,333.35	5,256.60	26.31	28.69	-114.70	842.05	444.53	305.75	252.10	53.65	5.699		
5,500.00	5,386.87	5,436.45	5,357.91	26.81	29.27	-115.22	861.00	442.12	323.11	268.33	54.78	5.898		
5,600.00	5,484.56	5,536.87	5,456.70	27.30	29.84	-115.66	879.04	441.46	338.77	282.92	55.85	6.066		
5,700.00	5,582.25	5,633.37	5,551.84	27.80	30.36	-116.29	895.08	440.14	354.72	297.87	56.84	6.240		
5,800.00	5,679.93	5,738.87	5,656.20	28.29	30.91	-117.25	910.41	438.43	370.35	312.38	57.97	6.389		
5,900.00	5,777.62	5,834.31	5,750.98	28.79	31.38	-118.46	921.50	436.89	385.29	326.38	58.91	6.540		
6,000.00	5,875.30	5,940.59	5,856.86	29.28	31.85	-120.23	930.26	434.71	400.02	340.05	59.97	6.670		
6,100.00	5,972.99	6,046.92	5,963.11	29.78	32.26	-122.51	933.98	433.60	413.13	352.18	60.95	6.778		
6,200.00	6,070.67	6,150.21	6,066.40	30.27	32.60	-125.08	933.63	433.87	424.89	363.06	61.84	6.871		
6,300.00	6,168.36	6,246.80	6,162.99	30.77	32.91	-127.40	932.93	433.96	437.53	374.89	62.64	6.985		
6,400.00	6,266.05	6,352.12	6,268.29	31.26	33.25	-129.78	932.09	435.30	449.71	386.21	63.50	7.082		
6,500.00	6,363.73	6,452.53	6,334.80	31.76	34.20	-134.14	939.39	482.18	453.67	392.50	61.17	7.417		
6,534.50	6,397.43	6,655.88	6,562.65	31.93	34.30	-134.46	941.34	494.10	445.01	383.42	61.59	7.225		
6,550.00	6,412.60	6,669.50	6,575.18	32.01	34.35	-129.80	942.12	499.39	441.01	379.23	61.78	7.138		
6,600.00	6,461.82	6,711.15	6,613.62	32.24	34.49	-108.68	944.18	515.28	426.02	363.57	62.45	6.821		
6,650.00	6,511.25	6,770.91	6,668.96	32.45	34.69	-80.52	946.80	537.66	407.95	345.76	62.19	6.560		
6,700.00	6,560.58	6,916.50	6,791.72	32.64	35.06	-61.00	941.98	614.72	377.21	322.27	54.93	6.867		
6,750.00	6,609.51	6,974.70	6,835.37	32.83	35.18	-50.11	938.65	653.05	339.53	286.96	52.57	6.458		
6,800.00	6,657.74	7,022.47	6,868.85	33.01	35.29	-48.27	936.34	687.02	297.76	247.52	50.24	5.927		
6,850.00	6,704.97	7,057.35	6,891.68	33.18	35.36	-54.32	934.73	713.34	253.11	204.63	48.48	5.221		
6,900.00	6,750.90	7,079.37	6,905.30	33.36	35.42	-67.13	933.81	730.61	206.92	159.07	47.86	4.324		
6,950.00	6,795.26	7,092.08	6,912.87	33.54	35.45	-82.96	933.37	740.82	160.53	111.98	48.54	3.307		
7,000.00	6,837.77	7,097.08	6,915.78	33.73	35.46	-94.23	933.23	744.88	115.73	64.16	51.56	2.244		
7,050.00	6,878.17	7,096.60	6,915.50	33.92	35.46	-97.88	933.24	744.49	76.86	18.01	58.85	1.306 Level 3		
7,100.00	6,916.21	7,092.13	6,912.90	34.13	35.45	-94.24	933.37	740.86	57.90	-7.71	65.62	0.882 Level 1, ES, SF		
7,101.10	6,917.02	7,092.00	6,912.82	34.14	35.45	-94.09	933.37	740.76	57.89	-7.67	65.56	0.883 Level 1		
7,150.00	6,951.66	7,084.69	6,908.50	34.36	35.43	-84.35	933.61	734.87	75.19	19.38	55.82	1.347 Level 3		
7,200.00	6,984.29	7,074.99	6,902.65	34.61	35.41	-70.26	933.98	727.14	112.50	63.34	49.17	2.288		
7,250.00	7,013.91	7,063.67	6,895.66	34.89	35.38	-55.66	934.46	718.25	155.40	107.94	47.46	3.275		
7,300.00	7,040.34	7,050.87	6,887.56	35.20	35.35	-43.36	935.02	708.35	199.67	152.19	47.48	4.206		
7,350.00	7,063.40	7,036.86	6,878.46	35.55	35.32	-34.20	935.66	697.73	243.96	195.80	48.15	5.066		
7,400.00	7,082.97	7,021.75	6,868.37	35.94	35.28	-27.64	936.38	686.49	287.68	238.58	49.10	5.859		
7,450.00	7,098.91	7,005.47	6,857.22	36.36	35.25	-22.92	937.16	674.66	330.49	280.34	50.14	6.591		
7,500.00	7,111.13	6,988.40	6,845.22	36.83	35.21	-19.51	937.98	662.55	372.18	320.91	51.27	7.259		
7,550.00	7,119.55	6,970.04	6,831.98	37.34	35.17	-16.94	938.88	649.86	412.58	360.21	52.37	7.878		
7,600.00	7,124.13	6,950.45	6,817.53	37.88	35.13	-14.98	939.93	636.67	451.52	398.07	53.45	8.447		
7,639.68	7,125.00	6,932.00	6,803.62	38.33	35.09	-13.64	941.01	624.60	481.32	427.20	54.11	8.895		
7,700.00	7,124.48	6,910.53	6,787.09	39.05	35.05	-12.69	942.37	610.97	526.49	470.91	55.58	9.473		
7,800.00	7,123.60	6,885.00	6,766.97	40.40	35.00	-11.63	944.10	595.35	604.26	546.22	58.03	10.412		
7,900.00	7,122.72	6,850.25	6,738.60	41.90	34.92	-10.37	946.20	575.41	685.02	625.71	59.32	11.549		
8,000.00	7,121.84	6,837.00	6,727.45	43.54	34.89	-9.96	946.81	568.28	768.81	707.66	61.15	12.573		
8,100.00	7,120.97	6,811.68	6,705.58	45.30	34.82	-9.29	947.45	555.53	854.71	792.64	62.07	13.770		
8,200.00	7,120.09	6,790.00	6,686.29	47.17	34.76	-8.85	947.31	545.66	942.75	879.86	62.89	14.990		
8,300.00	7,119.21	6,790.00	6,686.29	49.13	34.76	-8.85	947.31	545.66	1,032.28	968.23	64.05	16.117		
8,400.00	7,118.33	6,766.71	6,665.12	51.18	34.68	-8.48	946.67	535.97	1,122.88	1,058.42	64.46	17.420		
8,500.00	7,117.46	6,742.00	6,642.28	53.30	34.60	-8.16	945.65	526.61	1,214.72	1,149.96	64.76	18.757		
8,600.00	7,116.58	6,733.35	6,634.22	55.48	34.57	-8.06	945.23	523.47	1,307.07	1,241.79	65.28	20.023		
8,700.00	7,115.70	6,657.91	6,564.51	57.72	34.31	-7.33	941.46	494.89	1,399.06	1,334.37	64.69	21.626		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 Wiedeman #21-5-3CHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 168-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,800.00	7,114.82	6,600.00	6,511.46	60.02	34.11	-6.98	937.52	472.01	1,490.43	1,426.00	64.43	23.131					
8,900.00	7,113.95	6,600.00	6,511.46	62.36	34.11	-6.98	937.52	472.01	1,582.12	1,517.10	65.02	24.332					
9,000.00	7,113.07	6,600.00	6,511.46	64.74	34.11	-6.98	937.52	472.01	1,674.76	1,609.25	65.51	25.564					
9,100.00	7,112.19	6,600.00	6,511.46	67.15	34.11	-6.98	937.52	472.01	1,768.20	1,702.28	65.93	26.821					
9,200.00	7,111.31	6,600.00	6,511.46	69.60	34.11	-6.98	937.52	472.01	1,862.33	1,796.05	66.28	28.100					
9,300.00	7,110.44	6,600.00	6,511.46	72.08	34.11	-6.98	937.52	472.01	1,957.03	1,890.46	66.58	29.396					
9,400.00	7,109.56	6,600.00	6,511.46	74.58	34.11	-6.98	937.52	472.01	2,052.24	1,985.41	66.83	30.706					
9,500.00	7,108.68	6,557.14	6,471.40	77.10	33.96	-6.74	934.77	457.12	2,144.99	2,078.22	66.77	32.127					
9,600.00	7,107.81	6,552.83	6,467.28	79.65	33.94	-6.72	934.55	455.88	2,240.42	2,173.46	66.96	33.457					
9,700.00	7,106.93	6,548.83	6,463.43	82.22	33.93	-6.69	934.36	454.77	2,336.19	2,269.05	67.14	34.794					
9,800.00	7,106.05	6,545.09	6,459.84	84.80	33.91	-6.66	934.19	453.77	2,432.25	2,364.94	67.30	36.138					
9,900.00	7,105.17	6,505.00	6,420.68	87.40	33.77	-6.37	932.93	445.36	2,530.65	2,463.38	67.27	37.622					
10,000.00	7,104.30	6,505.00	6,420.68	90.02	33.77	-6.37	932.93	445.36	2,626.86	2,559.42	67.43	38.956					
10,100.00	7,103.42	6,505.00	6,420.68	92.64	33.77	-6.37	932.93	445.36	2,723.34	2,655.76	67.58	40.297					
10,200.00	7,102.54	6,505.00	6,420.68	95.28	33.77	-6.37	932.93	445.36	2,820.06	2,752.35	67.72	41.644					
10,300.00	7,101.66	6,505.00	6,420.68	97.94	33.77	-6.37	932.93	445.36	2,917.01	2,849.17	67.84	42.996					
10,400.00	7,100.79	6,505.00	6,420.68	100.60	33.77	-6.37	932.93	445.36	3,014.16	2,946.20	67.96	44.352					
10,500.00	7,099.91	6,505.00	6,420.68	103.27	33.77	-6.37	932.93	445.36	3,111.49	3,043.42	68.07	45.712					
10,600.00	7,099.03	6,505.00	6,420.68	105.95	33.77	-6.37	932.93	445.36	3,208.98	3,140.81	68.17	47.074					
10,700.00	7,098.15	6,505.00	6,420.68	108.64	33.77	-6.37	932.93	445.36	3,306.62	3,238.36	68.26	48.440					
10,800.00	7,097.28	6,505.00	6,420.68	111.33	33.77	-6.37	932.93	445.36	3,404.40	3,336.05	68.35	49.807					
10,900.00	7,096.40	6,505.00	6,420.68	114.04	33.77	-6.37	932.93	445.36	3,502.31	3,433.87	68.44	51.177					
11,000.00	7,095.52	6,505.00	6,420.68	116.74	33.77	-6.37	932.93	445.36	3,600.32	3,531.81	68.52	52.547					
11,100.00	7,094.64	6,505.00	6,420.68	119.46	33.77	-6.37	932.93	445.36	3,698.45	3,629.86	68.59	53.919					
11,200.00	7,093.77	6,505.00	6,420.68	122.18	33.77	-6.37	932.93	445.36	3,796.67	3,728.01	68.67	55.291					
11,300.00	7,092.89	6,505.00	6,420.68	124.91	33.77	-6.37	932.93	445.36	3,894.99	3,826.25	68.74	56.663					
11,400.00	7,092.01	6,505.00	6,420.68	127.64	33.77	-6.37	932.93	445.36	3,993.39	3,924.58	68.81	58.036					
11,500.00	7,091.13	6,505.00	6,420.68	130.38	33.77	-6.37	932.93	445.36	4,091.86	4,022.98	68.88	59.409					
11,600.00	7,090.26	6,505.00	6,420.68	133.12	33.77	-6.37	932.93	445.36	4,190.41	4,121.47	68.94	60.781					
11,700.00	7,089.38	6,505.00	6,420.68	135.86	33.77	-6.37	932.93	445.36	4,289.02	4,220.02	69.01	62.153					
11,800.00	7,088.50	6,505.00	6,420.68	138.61	33.77	-6.37	932.93	445.36	4,387.70	4,318.63	69.07	63.525					
11,900.00	7,087.63	6,505.00	6,420.68	141.36	33.77	-6.37	932.93	445.36	4,486.44	4,417.30	69.13	64.895					
12,000.00	7,086.75	6,505.00	6,420.68	144.12	33.77	-6.37	932.93	445.36	4,585.23	4,516.03	69.20	66.264					
12,100.00	7,085.87	6,505.00	6,420.68	146.88	33.77	-6.37	932.93	445.36	4,684.07	4,614.81	69.26	67.632					
12,200.00	7,084.99	6,505.00	6,420.68	149.64	33.77	-6.37	932.93	445.36	4,782.96	4,713.64	69.32	68.999					
12,300.00	7,084.12	6,505.00	6,420.68	152.40	33.77	-6.37	932.93	445.36	4,881.90	4,812.52	69.38	70.365					
12,400.00	7,083.24	6,505.00	6,420.68	155.17	33.77	-6.37	932.93	445.36	4,980.87	4,911.43	69.44	71.729					
12,500.00	7,082.36	6,505.00	6,420.68	157.94	33.77	-6.37	932.93	445.36	5,079.89	5,010.39	69.50	73.091					
12,600.00	7,081.48	6,505.00	6,420.68	160.71	33.77	-6.37	932.93	445.36	5,178.95	5,109.39	69.56	74.451					
12,700.00	7,080.61	6,505.00	6,420.68	163.49	33.77	-6.37	932.93	445.36	5,278.04	5,208.42	69.62	75.810					
12,800.00	7,079.73	6,505.00	6,420.68	166.27	33.77	-6.37	932.93	445.36	5,377.16	5,307.48	69.68	77.166					
12,900.00	7,078.85	6,505.00	6,420.68	169.04	33.77	-6.37	932.93	445.36	5,476.32	5,406.58	69.74	78.521					
13,000.00	7,077.97	6,505.00	6,420.68	171.83	33.77	-6.37	932.93	445.36	5,575.51	5,505.70	69.80	79.873					
13,100.00	7,077.10	6,505.00	6,420.68	174.61	33.77	-6.37	932.93	445.36	5,674.72	5,604.86	69.87	81.223					
13,200.00	7,076.22	6,505.00	6,420.68	177.39	33.77	-6.37	932.93	445.36	5,773.97	5,704.04	69.93	82.570					
13,300.00	7,075.34	6,505.00	6,420.68	180.18	33.77	-6.37	932.93	445.36	5,873.23	5,803.24	69.99	83.915					
13,400.00	7,074.46	6,505.00	6,420.68	182.97	33.77	-6.37	932.93	445.36	5,972.53	5,902.47	70.05	85.258					
13,500.00	7,073.59	6,505.00	6,420.68	185.76	33.77	-6.37	932.93	445.36	6,071.84	6,001.73	70.12	86.598					
13,600.00	7,072.71	6,505.00	6,420.68	188.55	33.77	-6.37	932.93	445.36	6,171.18	6,101.00	70.18	87.935					
13,700.00	7,071.83	6,505.00	6,420.68	191.34	33.77	-6.37	932.93	445.36	6,270.54	6,200.30	70.24	89.269					
13,800.00	7,070.95	6,505.00	6,420.68	194.14	33.77	-6.37	932.93	445.36	6,369.92	6,299.61	70.31	90.601					
13,900.00	7,070.08	6,505.00	6,420.68	196.93	33.77	-6.37	932.93	445.36	6,469.32	6,398.94	70.37	91.930					

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	6,505.00	6,420.68	199.73	33.77	-6.37	932.93	445.36	6,568.73	6,498.30	70.44	93.256		
14,100.00	7,068.32	6,505.00	6,420.68	202.53	33.77	-6.37	932.93	445.36	6,668.17	6,597.66	70.50	94.579		
14,200.00	7,067.45	6,505.00	6,420.68	205.33	33.77	-6.37	932.93	445.36	6,767.62	6,697.05	70.57	95.898		
14,300.00	7,066.57	6,462.66	6,378.70	208.13	33.63	-6.04	932.29	439.94	6,865.71	6,795.08	70.63	97.209		
14,400.00	7,065.69	6,461.65	6,377.69	210.93	33.62	-6.04	932.28	439.84	6,965.13	6,894.43	70.70	98.521		
14,500.00	7,064.81	6,460.66	6,376.71	213.73	33.62	-6.03	932.27	439.74	7,064.56	6,993.79	70.77	99.831		
14,600.00	7,063.94	6,459.70	6,375.75	216.54	33.62	-6.02	932.26	439.65	7,164.01	7,093.17	70.83	101.137		
14,700.00	7,063.06	6,458.77	6,374.82	219.34	33.61	-6.02	932.25	439.56	7,263.47	7,192.56	70.90	102.440		
14,800.00	7,062.18	6,457.85	6,373.91	222.15	33.61	-6.01	932.24	439.48	7,362.94	7,291.96	70.98	103.739		
14,900.00	7,061.30	6,456.96	6,373.02	224.95	33.61	-6.00	932.23	439.40	7,462.43	7,391.38	71.05	105.035		
15,000.00	7,060.43	6,456.09	6,372.16	227.76	33.60	-6.00	932.22	439.32	7,561.93	7,490.81	71.12	106.328		
15,100.00	7,059.55	6,455.24	6,371.31	230.57	33.60	-5.99	932.21	439.24	7,661.44	7,590.24	71.19	107.617		
15,200.00	7,058.67	6,454.41	6,370.49	233.38	33.60	-5.98	932.20	439.17	7,760.96	7,689.69	71.26	108.903		
15,300.00	7,057.79	6,453.60	6,369.68	236.19	33.60	-5.98	932.20	439.10	7,860.49	7,789.15	71.34	110.186		
15,400.00	7,056.92	6,452.81	6,368.89	239.00	33.59	-5.97	932.19	439.03	7,960.04	7,888.62	71.41	111.464		
15,500.00	7,056.04	6,410.00	6,326.15	241.81	33.45	-5.66	931.97	436.64	8,060.93	7,989.44	71.48	112.764		
15,600.00	7,055.16	6,410.00	6,326.15	244.62	33.45	-5.66	931.97	436.64	8,160.44	8,088.88	71.56	114.035		
15,700.00	7,054.28	6,410.00	6,326.15	247.43	33.45	-5.66	931.97	436.64	8,259.97	8,188.33	71.64	115.302		
15,800.00	7,053.41	6,410.00	6,326.15	250.25	33.45	-5.66	931.97	436.64	8,359.51	8,287.79	71.72	116.566		
15,846.35	7,053.00	6,410.00	6,326.15	251.55	33.45	-5.66	931.97	436.64	8,405.65	8,333.90	71.75	117.150		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	92.33	-20.76	510.82	511.29					
100.00	100.00	93.28	93.28	3.28	3.29	92.34	-20.89	510.78	511.21	504.64	6.57	77.797		
200.00	200.00	194.48	194.48	3.34	3.32	92.39	-21.35	510.65	511.10	504.45	6.65	76.814		
300.00	299.98	298.04	298.04	3.44	3.41	48.15	-22.22	509.96	509.31	502.45	6.86	74.255		
400.00	399.84	397.63	397.61	3.61	3.56	48.74	-22.87	508.87	504.77	497.61	7.16	70.474		
500.00	499.45	500.32	500.30	3.81	3.76	49.70	-23.51	507.62	497.89	490.33	7.57	65.810		
600.00	598.70	600.36	600.32	4.06	3.99	51.05	-24.22	505.85	488.38	480.33	8.04	60.727		
700.00	697.47	695.33	695.28	4.35	4.24	52.64	-24.31	504.50	477.23	468.66	8.57	55.703		
800.00	795.62	796.39	796.33	4.66	4.52	54.70	-23.65	503.28	464.49	455.32	9.17	50.668		
817.50	812.73	813.51	813.44	4.73	4.57	55.09	-23.47	503.01	462.04	452.77	9.28	49.804		
900.00	893.32	894.57	894.48	5.01	4.82	56.74	-21.89	501.86	450.56	440.75	9.80	45.954		
1,000.00	991.01	993.20	993.04	5.38	5.13	58.64	-18.30	500.65	436.99	426.52	10.48	41.702		
1,100.00	1,088.69	1,088.79	1,088.50	5.77	5.45	60.41	-13.53	500.02	424.14	412.96	11.18	37.941		
1,200.00	1,186.38	1,185.33	1,184.86	6.18	5.78	62.14	-7.71	500.20	412.28	400.36	11.91	34.607		
1,300.00	1,284.06	1,287.24	1,286.55	6.60	6.15	63.99	-0.97	500.28	400.53	387.84	12.69	31.559		
1,400.00	1,381.75	1,393.69	1,392.60	7.03	6.55	65.79	8.16	499.53	387.84	374.33	13.51	28.715		
1,500.00	1,479.44	1,500.11	1,498.13	7.47	6.98	67.12	21.79	497.97	373.28	358.94	14.34	26.024		
1,600.00	1,577.12	1,603.15	1,600.01	7.91	7.41	68.29	36.90	495.32	357.21	342.02	15.19	23.515		
1,700.00	1,674.81	1,704.06	1,699.80	8.37	7.85	69.67	51.41	491.59	340.38	324.33	16.05	21.212		
1,800.00	1,772.49	1,802.77	1,797.47	8.82	8.28	71.33	65.01	486.96	323.11	306.20	16.91	19.107		
1,900.00	1,870.18	1,897.95	1,891.74	9.28	8.71	73.22	77.32	482.67	306.66	288.88	17.78	17.244		
2,000.00	1,967.87	1,994.09	1,986.90	9.75	9.15	75.03	90.74	479.87	291.50	272.83	18.67	15.615		
2,100.00	2,065.55	2,091.41	2,083.33	10.22	9.59	77.18	103.57	477.11	277.12	257.56	19.56	14.167		
2,200.00	2,163.24	2,188.22	2,179.38	10.69	10.04	79.72	115.37	474.29	263.67	243.21	20.46	12.890		
2,300.00	2,260.92	2,289.49	2,279.91	11.16	10.51	82.77	127.20	471.22	251.01	229.66	21.35	11.758		
2,400.00	2,358.61	2,391.16	2,380.49	11.64	10.99	85.81	141.51	467.44	237.04	214.80	22.24	10.657		
2,500.00	2,456.30	2,489.43	2,477.52	12.12	11.47	88.74	156.76	464.28	223.20	200.05	23.15	9.642		
2,600.00	2,553.98	2,588.55	2,575.43	12.59	11.96	92.19	171.77	460.86	210.10	186.05	24.05	8.736		
2,700.00	2,651.67	2,689.38	2,674.67	13.08	12.48	95.43	189.44	458.58	196.84	171.90	24.94	7.892		
2,800.00	2,749.35	2,788.19	2,771.87	13.56	12.99	99.27	206.93	455.31	183.47	157.63	25.84	7.101		
2,900.00	2,847.04	2,883.48	2,865.69	14.04	13.48	103.38	223.42	452.88	171.79	145.03	26.76	6.420		
3,000.00	2,944.72	2,982.15	2,962.87	14.52	13.99	107.64	240.47	452.21	162.11	134.46	27.65	5.862		
3,100.00	3,042.41	3,080.44	3,059.74	15.01	14.50	112.75	256.98	450.68	153.52	124.99	28.54	5.380		
3,200.00	3,140.10	3,178.10	3,156.13	15.50	15.00	118.79	272.58	448.23	146.82	117.40	29.42	4.991		
3,300.00	3,237.78	3,275.95	3,252.77	15.98	15.50	125.73	287.50	444.89	142.50	112.20	30.30	4.703		
3,400.00	3,335.47	3,374.28	3,349.94	16.47	16.01	132.82	302.31	442.01	140.68	109.48	31.19	4.510		
3,426.12	3,360.99	3,399.75	3,375.11	16.60	16.14	134.62	306.14	441.41	140.58	109.15	31.43	4.473 CC, ES		
3,500.00	3,433.15	3,472.02	3,446.56	16.96	16.51	139.91	316.79	439.18	141.37	109.26	32.11	4.402		
3,600.00	3,530.84	3,573.15	3,546.42	17.45	17.03	146.72	332.57	437.31	143.31	110.26	33.05	4.336		
3,700.00	3,628.53	3,670.56	3,642.59	17.94	17.53	152.91	347.97	435.89	146.86	112.84	34.02	4.317 SF		
3,800.00	3,726.21	3,769.16	3,739.94	18.43	18.05	159.09	363.48	433.62	152.52	117.51	35.01	4.356		
3,900.00	3,823.90	3,867.54	3,836.96	18.92	18.57	165.15	379.48	430.43	159.83	123.79	36.04	4.435		
4,000.00	3,921.58	3,964.89	3,932.89	19.41	19.09	170.86	395.49	426.38	169.16	132.09	37.07	4.563		
4,100.00	4,019.27	4,061.75	4,028.40	19.90	19.60	175.96	411.05	421.92	180.62	142.52	38.10	4.740		
4,200.00	4,116.96	4,157.94	4,123.41	20.39	20.10	-179.82	425.40	417.50	194.18	155.07	39.11	4.965		
4,300.00	4,214.64	4,253.73	4,218.19	20.88	20.60	-176.38	438.47	412.85	209.70	169.61	40.09	5.231		
4,400.00	4,312.33	4,352.81	4,316.31	21.37	21.10	-173.42	451.17	407.76	226.66	185.55	41.11	5.513		
4,500.00	4,410.01	4,453.78	4,416.43	21.87	21.60	-171.23	464.06	405.27	242.01	199.87	42.14	5.743		
4,600.00	4,507.70	4,549.14	4,511.25	22.36	22.06	-169.87	473.97	403.19	258.80	215.75	43.05	6.011		
4,700.00	4,605.39	4,646.12	4,607.87	22.85	22.50	-169.13	482.15	402.32	275.80	231.84	43.95	6.275		
4,800.00	4,703.07	4,739.11	4,700.65	23.35	22.91	-168.73	488.14	400.90	294.44	249.68	44.76	6.578		
4,900.00	4,800.76	4,832.24	4,793.71	23.84	23.30	-168.79	491.52	399.49	314.64	269.10	45.54	6.910		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,926.79	4,888.24	24.33	23.67	-169.25	492.17	398.17	336.38	290.08	46.31	7.264		
5,100.00	4,996.13	5,025.22	4,986.66	24.83	24.04	-169.71	492.69	396.90	358.16	311.01	47.15	7.596		
5,200.00	5,093.82	5,121.53	5,082.96	25.32	24.42	-170.08	493.32	395.53	380.00	332.03	47.97	7.922		
5,300.00	5,191.50	5,217.55	5,178.96	25.82	24.79	-170.40	493.65	393.77	402.34	353.57	48.77	8.249		
5,400.00	5,289.19	5,314.47	5,275.87	26.31	25.17	-170.68	494.02	391.82	424.81	375.21	49.60	8.564		
5,500.00	5,386.87	5,411.80	5,373.18	26.81	25.54	-170.98	494.00	389.95	447.46	397.03	50.44	8.872		
5,600.00	5,484.56	5,512.06	5,473.42	27.30	25.94	-171.22	494.41	388.05	469.84	418.51	51.33	9.153		
5,700.00	5,582.25	5,618.31	5,579.65	27.80	26.36	-171.40	495.84	386.77	491.16	438.84	52.32	9.387		
5,800.00	5,679.93	5,730.17	5,691.48	28.29	26.80	-171.81	497.37	388.73	510.16	456.81	53.35	9.563		
5,900.00	5,777.62	5,829.79	5,791.02	28.79	27.20	-172.09	500.09	391.57	527.49	473.28	54.21	9.730		
6,000.00	5,875.30	5,909.21	5,870.41	29.28	27.51	-172.27	501.74	392.62	546.46	491.64	54.81	9.970		
6,100.00	5,972.99	6,001.20	5,962.40	29.78	27.88	-172.50	501.76	391.91	568.22	512.65	55.57	10.226		
6,200.00	6,070.67	6,099.35	6,060.54	30.27	28.27	-172.65	502.43	390.69	589.98	533.55	56.43	10.454		
6,300.00	6,168.36	6,192.25	6,153.43	30.77	28.63	-172.82	502.55	389.63	612.00	554.79	57.20	10.698		
6,400.00	6,266.05	6,315.80	6,276.94	31.26	29.09	-173.34	500.77	391.26	633.28	574.90	58.38	10.848		
6,500.00	6,363.73	6,573.39	6,528.27	31.76	30.00	-176.59	502.49	440.93	638.87	579.66	59.21	10.790		
6,534.50	6,397.43	6,652.67	6,600.96	31.93	30.24	-178.65	501.66	472.49	636.11	577.23	58.88	10.803		
6,550.00	6,412.60	6,697.78	6,640.83	32.01	30.38	-175.39	501.64	493.59	633.76	575.27	58.49	10.836		
6,600.00	6,461.82	6,600.00	6,700.91	32.24	30.16	-157.48	501.28	533.43	620.94	562.90	58.05	10.697		
6,650.00	6,511.25	6,899.07	6,799.26	32.45	30.90	-137.21	500.07	616.69	603.27	546.12	57.16	10.555		
6,700.00	6,560.58	6,967.14	6,845.02	32.64	31.11	-119.23	500.11	667.05	582.61	525.21	57.40	10.150		
6,750.00	6,609.51	7,021.18	6,878.05	32.83	31.33	-110.48	500.55	709.80	561.04	502.85	58.20	9.641		
6,800.00	6,657.74	7,055.38	6,896.90	33.01	31.54	-106.63	500.74	738.33	540.29	480.75	59.54	9.074		
6,850.00	6,704.97	7,074.78	6,906.85	33.18	31.67	-104.62	500.81	754.98	521.89	460.79	61.10	8.542		
6,900.00	6,750.90	7,084.23	6,911.50	33.36	31.74	-103.14	500.84	763.21	506.85	444.27	62.58	8.099		
6,950.00	6,795.26	7,086.78	6,912.73	33.54	31.76	-101.64	500.85	765.44	495.87	432.09	63.78	7.775		
7,000.00	6,837.77	7,084.39	6,911.58	33.73	31.74	-99.89	500.84	763.35	489.36	424.79	64.57	7.579		
7,045.11	6,874.32	7,079.09	6,908.99	33.90	31.70	-98.01	500.83	758.73	487.47	422.59	64.88	7.514		
7,050.00	6,878.17	7,078.37	6,908.63	33.92	31.70	-97.79	500.83	758.10	487.49	422.60	64.88	7.513		
7,100.00	6,916.21	7,069.62	6,904.26	34.13	31.63	-95.32	500.80	750.52	490.20	425.46	64.74	7.572		
7,150.00	6,951.66	7,058.76	6,898.67	34.36	31.56	-92.50	500.76	741.21	497.25	433.04	64.21	7.744		
7,200.00	6,984.29	7,046.26	6,892.03	34.61	31.48	-89.34	500.70	730.61	508.22	444.81	63.40	8.015		
7,250.00	7,013.91	7,032.43	6,884.43	34.89	31.40	-85.92	500.62	719.07	522.60	460.16	62.44	8.369		
7,300.00	7,040.34	7,017.55	6,875.95	35.20	31.32	-82.29	500.53	706.84	539.85	478.40	61.45	8.785		
7,350.00	7,063.40	7,001.80	6,866.64	35.55	31.24	-78.52	500.41	694.13	559.40	498.88	60.52	9.244		
7,400.00	7,082.97	6,980.00	6,853.21	35.94	31.16	-74.23	500.22	676.97	580.76	521.29	59.47	9.766		
7,450.00	7,098.91	6,965.53	6,843.99	36.36	31.10	-70.71	500.10	665.82	603.28	544.30	58.98	10.229		
7,500.00	7,111.13	6,943.66	6,829.69	36.83	31.03	-66.75	500.00	649.27	626.49	568.14	58.36	10.736		
7,550.00	7,119.55	6,921.03	6,814.46	37.34	30.96	-63.00	499.99	632.53	649.93	592.02	57.91	11.223		
7,600.00	7,124.13	6,897.75	6,798.33	37.88	30.90	-59.52	500.08	615.75	673.23	615.59	57.64	11.679		
7,639.68	7,125.00	6,885.00	6,789.30	38.33	30.87	-57.32	500.17	606.74	691.46	633.62	57.84	11.954		
7,700.00	7,124.48	6,853.62	6,766.49	39.05	30.78	-55.52	500.46	585.21	720.07	662.42	57.65	12.490		
7,800.00	7,123.60	6,814.70	6,737.00	40.40	30.69	-53.30	500.88	559.81	772.77	714.69	58.09	13.304		
7,900.00	7,122.72	6,790.00	6,717.65	41.90	30.63	-51.89	501.19	544.47	831.46	772.40	59.06	14.078		
8,000.00	7,121.84	6,753.86	6,688.39	43.54	30.53	-49.87	501.53	523.26	895.28	835.76	59.52	15.041		
8,100.00	7,120.97	6,729.41	6,667.97	45.30	30.46	-48.54	501.65	509.83	963.82	903.51	60.31	15.982		
8,200.00	7,120.09	6,695.00	6,638.41	47.17	30.37	-46.70	501.63	492.22	1,036.45	975.78	60.67	17.084		
8,300.00	7,119.21	6,695.00	6,638.41	49.13	30.37	-46.70	501.63	492.22	1,112.09	1,050.19	61.90	17.965		
8,400.00	7,118.33	6,664.83	6,611.82	51.18	30.28	-45.14	501.62	477.96	1,190.46	1,128.24	62.22	19.134		
8,500.00	7,117.46	6,645.41	6,594.44	53.30	30.22	-44.15	501.70	469.31	1,271.19	1,208.47	62.71	20.270		
8,600.00	7,116.58	6,627.76	6,578.45	55.48	30.17	-43.27	501.85	461.82	1,353.88	1,290.72	63.16	21.436		
8,700.00	7,115.70	6,600.00	6,553.00	57.72	30.09	-41.92	502.20	450.76	1,438.40	1,375.05	63.36	22.703		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	6,600.00	6,553.00	60.02	30.09	-41.92	502.20	450.76	1,524.17	1,460.20	63.97	23.825		
8,900.00	7,113.95	6,600.00	6,553.00	62.36	30.09	-41.92	502.20	450.76	1,611.58	1,547.09	64.48	24.992		
9,000.00	7,113.07	6,569.74	6,524.86	64.74	29.99	-40.51	502.52	439.64	1,699.60	1,635.07	64.53	26.337		
9,100.00	7,112.19	6,557.53	6,513.41	67.15	29.95	-39.96	502.57	435.40	1,788.86	1,724.07	64.79	27.609		
9,200.00	7,111.31	6,546.09	6,502.63	69.60	29.92	-39.45	502.57	431.57	1,878.98	1,813.96	65.03	28.896		
9,300.00	7,110.44	6,535.37	6,492.48	72.08	29.88	-38.99	502.54	428.09	1,969.87	1,904.63	65.24	30.195		
9,400.00	7,109.56	6,505.00	6,463.56	74.58	29.78	-37.73	502.25	418.86	2,061.76	1,996.51	65.25	31.599		
9,500.00	7,108.68	6,505.00	6,463.56	77.10	29.78	-37.73	502.25	418.86	2,153.69	2,088.18	65.52	32.873		
9,600.00	7,107.81	6,505.00	6,463.56	79.65	29.78	-37.73	502.25	418.86	2,246.32	2,180.57	65.75	34.164		
9,700.00	7,106.93	6,505.00	6,463.56	82.22	29.78	-37.73	502.25	418.86	2,339.55	2,273.59	65.96	35.470		
9,800.00	7,106.05	6,505.00	6,463.56	84.80	29.78	-37.73	502.25	418.86	2,433.32	2,367.18	66.14	36.790		
9,900.00	7,105.17	6,505.00	6,463.56	87.40	29.78	-37.73	502.25	418.86	2,527.57	2,461.27	66.30	38.121		
10,000.00	7,104.30	6,505.00	6,463.56	90.02	29.78	-37.73	502.25	418.86	2,622.25	2,555.80	66.45	39.463		
10,100.00	7,103.42	6,505.00	6,463.56	92.64	29.78	-37.73	502.25	418.86	2,717.30	2,650.72	66.58	40.813		
10,200.00	7,102.54	6,505.00	6,463.56	95.28	29.78	-37.73	502.25	418.86	2,812.70	2,746.00	66.70	42.170		
10,300.00	7,101.66	6,505.00	6,463.56	97.94	29.78	-37.73	502.25	418.86	2,908.41	2,841.60	66.81	43.534		
10,400.00	7,100.79	6,466.66	6,426.52	100.60	29.65	-36.23	501.78	409.00	3,002.92	2,936.17	66.75	44.989		
10,500.00	7,099.91	6,462.89	6,422.85	103.27	29.63	-36.08	501.74	408.16	3,098.86	3,032.03	66.84	46.366		
10,600.00	7,099.03	6,459.32	6,419.36	105.95	29.62	-35.95	501.70	407.39	3,195.03	3,128.11	66.92	47.746		
10,700.00	7,098.15	6,455.92	6,416.04	108.64	29.61	-35.82	501.67	406.67	3,291.40	3,224.40	67.00	49.129		
10,800.00	7,097.28	6,452.70	6,412.88	111.33	29.60	-35.70	501.63	406.01	3,387.96	3,320.89	67.07	50.514		
10,900.00	7,096.40	6,449.63	6,409.88	114.04	29.59	-35.58	501.61	405.40	3,484.69	3,417.55	67.14	51.901		
11,000.00	7,095.52	6,410.00	6,370.79	116.74	29.45	-34.15	501.31	398.91	3,582.92	3,515.82	67.09	53.402		
11,100.00	7,094.64	6,410.00	6,370.79	119.46	29.45	-34.15	501.31	398.91	3,679.77	3,612.59	67.17	54.780		
11,200.00	7,093.77	6,410.00	6,370.79	122.18	29.45	-34.15	501.31	398.91	3,776.78	3,709.53	67.25	56.160		
11,300.00	7,092.89	6,410.00	6,370.79	124.91	29.45	-34.15	501.31	398.91	3,873.95	3,806.63	67.32	57.543		
11,400.00	7,092.01	6,410.00	6,370.79	127.64	29.45	-34.15	501.31	398.91	3,971.26	3,903.86	67.39	58.927		
11,500.00	7,091.13	6,410.00	6,370.79	130.38	29.45	-34.15	501.31	398.91	4,068.70	4,001.23	67.46	60.312		
11,600.00	7,090.26	6,410.00	6,370.79	133.12	29.45	-34.15	501.31	398.91	4,166.25	4,098.73	67.53	61.698		
11,700.00	7,089.38	6,410.00	6,370.79	135.86	29.45	-34.15	501.31	398.91	4,263.93	4,196.34	67.59	63.085		
11,800.00	7,088.50	6,410.00	6,370.79	138.61	29.45	-34.15	501.31	398.91	4,361.71	4,294.05	67.65	64.472		
11,900.00	7,087.63	6,410.00	6,370.79	141.36	29.45	-34.15	501.31	398.91	4,459.58	4,391.87	67.71	65.859		
12,000.00	7,086.75	6,410.00	6,370.79	144.12	29.45	-34.15	501.31	398.91	4,557.55	4,489.78	67.77	67.247		
12,100.00	7,085.87	6,410.00	6,370.79	146.88	29.45	-34.15	501.31	398.91	4,655.61	4,587.77	67.83	68.634		
12,200.00	7,084.99	6,410.00	6,370.79	149.64	29.45	-34.15	501.31	398.91	4,753.74	4,685.85	67.89	70.021		
12,300.00	7,084.12	6,410.00	6,370.79	152.40	29.45	-34.15	501.31	398.91	4,851.95	4,784.01	67.95	71.407		
12,400.00	7,083.24	6,410.00	6,370.79	155.17	29.45	-34.15	501.31	398.91	4,950.24	4,882.23	68.01	72.792		
12,500.00	7,082.36	6,410.00	6,370.79	157.94	29.45	-34.15	501.31	398.91	5,048.59	4,980.53	68.06	74.176		
12,600.00	7,081.48	6,410.00	6,370.79	160.71	29.45	-34.15	501.31	398.91	5,147.00	5,078.89	68.12	75.560		
12,700.00	7,080.61	6,410.00	6,370.79	163.49	29.45	-34.15	501.31	398.91	5,245.48	5,177.30	68.17	76.942		
12,800.00	7,079.73	6,410.00	6,370.79	166.27	29.45	-34.15	501.31	398.91	5,344.01	5,275.78	68.23	78.322		
12,900.00	7,078.85	6,410.00	6,370.79	169.04	29.45	-34.15	501.31	398.91	5,442.60	5,374.31	68.29	79.701		
13,000.00	7,077.97	6,410.00	6,370.79	171.83	29.45	-34.15	501.31	398.91	5,541.23	5,472.89	68.34	81.079		
13,100.00	7,077.10	6,410.00	6,370.79	174.61	29.45	-34.15	501.31	398.91	5,639.92	5,571.52	68.40	82.455		
13,200.00	7,076.22	6,410.00	6,370.79	177.39	29.45	-34.15	501.31	398.91	5,738.64	5,670.19	68.46	83.828		
13,300.00	7,075.34	6,410.00	6,370.79	180.18	29.45	-34.15	501.31	398.91	5,837.42	5,768.90	68.51	85.200		
13,400.00	7,074.46	6,410.00	6,370.79	182.97	29.45	-34.15	501.31	398.91	5,936.23	5,867.66	68.57	86.570		
13,500.00	7,073.59	6,410.00	6,370.79	185.76	29.45	-34.15	501.31	398.91	6,035.08	5,966.45	68.63	87.938		
13,600.00	7,072.71	6,410.00	6,370.79	188.55	29.45	-34.15	501.31	398.91	6,133.97	6,065.29	68.69	89.303		
13,700.00	7,071.83	6,410.00	6,370.79	191.34	29.45	-34.15	501.31	398.91	6,232.90	6,164.15	68.75	90.667		
13,800.00	7,070.95	6,410.00	6,370.79	194.14	29.45	-34.15	501.31	398.91	6,331.86	6,263.05	68.80	92.027		
13,900.00	7,070.08	6,410.00	6,370.79	196.93	29.45	-34.15	501.31	398.91	6,430.85	6,361.99	68.86	93.386		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	6,410.00	6,370.79	199.73	29.45	-34.15	501.31	398.91	6,529.87	6,460.95	68.92	94.741		
14,100.00	7,068.32	6,410.00	6,370.79	202.53	29.45	-34.15	501.31	398.91	6,628.92	6,559.94	68.98	96.094		
14,200.00	7,067.45	6,410.00	6,370.79	205.33	29.45	-34.15	501.31	398.91	6,728.00	6,658.96	69.04	97.445		
14,300.00	7,066.57	6,410.00	6,370.79	208.13	29.45	-34.15	501.31	398.91	6,827.11	6,758.00	69.11	98.792		
14,400.00	7,065.69	6,410.00	6,370.79	210.93	29.45	-34.15	501.31	398.91	6,926.24	6,857.07	69.17	100.137		
14,500.00	7,064.81	6,410.00	6,370.79	213.73	29.45	-34.15	501.31	398.91	7,025.40	6,956.17	69.23	101.479		
14,600.00	7,063.94	6,410.00	6,370.79	216.54	29.45	-34.15	501.31	398.91	7,124.58	7,055.28	69.29	102.818		
14,700.00	7,063.06	6,410.00	6,370.79	219.34	29.45	-34.15	501.31	398.91	7,223.78	7,154.42	69.36	104.154		
14,800.00	7,062.18	6,410.00	6,370.79	222.15	29.45	-34.15	501.31	398.91	7,323.01	7,253.58	69.42	105.486		
14,900.00	7,061.30	6,410.00	6,370.79	224.95	29.45	-34.15	501.31	398.91	7,422.25	7,352.76	69.49	106.816		
15,000.00	7,060.43	6,410.00	6,370.79	227.76	29.45	-34.15	501.31	398.91	7,521.52	7,451.96	69.55	108.142		
15,100.00	7,059.55	6,410.00	6,370.79	230.57	29.45	-34.15	501.31	398.91	7,620.80	7,551.18	69.62	109.466		
15,200.00	7,058.67	6,410.00	6,370.79	233.38	29.45	-34.15	501.31	398.91	7,720.10	7,650.42	69.69	110.786		
15,300.00	7,057.79	6,410.00	6,370.79	236.19	29.45	-34.15	501.31	398.91	7,819.42	7,749.67	69.75	112.102		
15,400.00	7,056.92	6,410.00	6,370.79	239.00	29.45	-34.15	501.31	398.91	7,918.76	7,848.94	69.82	113.416		
15,500.00	7,056.04	6,410.00	6,370.79	241.81	29.45	-34.15	501.31	398.91	8,018.12	7,948.23	69.89	114.725		
15,600.00	7,055.16	6,410.00	6,370.79	244.62	29.45	-34.15	501.31	398.91	8,117.49	8,047.53	69.96	116.032		
15,700.00	7,054.28	6,410.00	6,370.79	247.43	29.45	-34.15	501.31	398.91	8,216.87	8,146.84	70.03	117.335		
15,800.00	7,053.41	6,367.92	6,328.96	250.25	29.29	-32.72	501.07	394.34	8,315.24	8,245.17	70.06	118.679		
15,846.35	7,053.00	6,367.46	6,328.51	251.55	29.29	-32.70	501.07	394.31	8,361.29	8,291.19	70.10	119.281		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	102.40	-110.37	502.19	514.22					
100.00	100.00	100.07	100.06	3.28	3.30	102.47	-110.81	501.22	513.37	506.78	6.59	77.956		
200.00	200.00	204.03	203.99	3.34	3.38	102.64	-111.96	499.06	511.59	504.87	6.72	76.130		
300.00	299.98	302.32	302.24	3.44	3.51	58.59	-113.68	496.51	508.53	501.57	6.96	73.106		
400.00	399.84	393.72	393.58	3.61	3.67	59.45	-116.31	494.82	504.72	497.45	7.27	69.387		
500.00	499.45	486.36	486.15	3.81	3.87	60.72	-119.93	494.53	501.03	493.35	7.68	65.252		
600.00	598.70	581.11	580.78	4.06	4.11	62.47	-124.67	494.89	496.96	488.79	8.16	60.884		
700.00	697.47	687.50	686.89	4.35	4.42	65.15	-132.31	494.45	491.86	483.11	8.75	56.214		
800.00	795.62	792.46	791.28	4.66	4.77	68.70	-142.40	490.49	484.19	474.77	9.41	51.442		
817.50	812.73	810.16	808.82	4.73	4.83	69.41	-144.52	489.47	482.73	473.20	9.53	50.639		
900.00	893.32	880.83	878.77	5.01	5.10	72.28	-153.79	485.59	477.29	467.20	10.09	47.319		
1,000.00	991.01	968.72	965.53	5.38	5.45	76.06	-167.05	481.06	474.13	463.31	10.81	43.848		
1,036.94	1,027.09	1,001.92	998.23	5.52	5.59	77.55	-172.55	479.35	473.91	462.82	11.10	42.713 CC		
1,100.00	1,088.69	1,062.22	1,057.57	5.77	5.86	80.27	-182.72	476.01	474.38	462.78	11.60	40.880 ES		
1,200.00	1,186.38	1,150.34	1,144.24	6.18	6.26	84.26	-197.83	471.03	477.63	465.23	12.40	38.523		
1,300.00	1,284.06	1,236.86	1,229.31	6.60	6.68	88.08	-213.16	467.26	485.01	471.82	13.19	36.759		
1,400.00	1,381.75	1,323.95	1,314.78	7.03	7.11	91.82	-229.53	464.07	496.32	482.33	13.99	35.472		
1,500.00	1,479.44	1,420.58	1,409.78	7.47	7.59	95.65	-247.10	461.88	510.57	495.74	14.83	34.419		
1,600.00	1,577.12	1,530.08	1,518.06	7.91	8.12	99.46	-263.20	459.99	524.55	508.81	15.74	33.329		
1,700.00	1,674.81	1,628.74	1,615.83	8.37	8.59	102.70	-276.17	457.35	538.57	521.99	16.58	32.483		
1,800.00	1,772.49	1,724.53	1,710.77	8.82	9.06	105.71	-288.57	454.49	553.91	536.50	17.41	31.813		
1,900.00	1,870.18	1,815.83	1,800.98	9.28	9.51	108.70	-301.58	449.21	570.77	552.55	18.22	31.333		
2,000.00	1,967.87	1,905.78	1,889.91	9.75	9.97	111.38	-314.53	445.43	589.96	570.95	19.01	31.028		
2,100.00	2,065.55	1,992.99	1,975.89	10.22	10.43	114.00	-328.18	440.17	611.11	591.32	19.79	30.886		
2,200.00	2,163.24	2,077.98	2,059.48	10.69	10.89	116.40	-342.76	435.41	635.11	614.58	20.54	30.925		
2,300.00	2,260.92	2,171.17	2,151.26	11.16	11.40	118.74	-358.46	431.63	660.48	639.13	21.35	30.936		
2,400.00	2,358.61	2,252.27	2,231.01	11.64	11.84	120.62	-372.86	428.69	687.79	665.74	22.06	31.184		
2,500.00	2,456.30	2,325.98	2,303.17	12.12	12.27	122.27	-387.63	425.82	718.07	695.39	22.69	31.654		
2,600.00	2,553.98	2,425.64	2,400.56	12.59	12.85	124.29	-408.52	422.72	750.15	726.59	23.57	31.832		
2,700.00	2,651.67	2,511.42	2,484.52	13.08	13.35	125.84	-426.00	420.64	782.44	758.13	24.31	32.184		
2,800.00	2,749.35	2,607.12	2,577.94	13.56	13.92	127.64	-446.12	415.64	815.70	790.53	25.16	32.417		
2,900.00	2,847.04	2,687.81	2,656.51	14.04	14.41	129.20	-463.30	409.28	849.75	823.88	25.86	32.856		
3,000.00	2,944.72	2,799.85	2,765.63	14.52	15.10	131.18	-487.24	400.69	884.66	857.77	26.89	32.899		
3,100.00	3,042.41	2,913.07	2,876.62	15.01	15.76	132.96	-508.08	392.72	917.29	889.37	27.92	32.860		
3,200.00	3,140.10	3,013.03	2,974.97	15.50	16.32	134.32	-525.12	387.33	949.12	920.32	28.81	32.946		
3,300.00	3,237.78	3,130.95	3,091.37	15.98	16.96	135.70	-543.32	382.60	979.81	949.95	29.86	32.816		
3,400.00	3,335.47	3,234.60	3,194.09	16.47	17.50	136.76	-556.93	379.97	1,008.47	977.69	30.78	32.767		
3,500.00	3,433.15	3,312.62	3,271.30	16.96	17.91	137.57	-567.68	376.77	1,038.17	1,006.69	31.48	32.979		
3,600.00	3,530.84	3,385.86	3,343.54	17.45	18.31	138.35	-579.08	372.89	1,069.90	1,037.77	32.13	33.295		
3,700.00	3,628.53	3,477.80	3,434.10	17.94	18.83	139.26	-594.29	368.36	1,102.80	1,069.84	32.96	33.454		
3,800.00	3,726.21	3,581.20	3,536.05	18.43	19.40	140.16	-611.06	364.22	1,135.54	1,101.63	33.90	33.492		
3,900.00	3,823.90	3,677.52	3,631.08	18.92	19.93	141.01	-626.04	359.47	1,167.96	1,133.19	34.78	33.583		
4,000.00	3,921.58	3,747.34	3,699.83	19.41	20.32	141.61	-637.54	355.66	1,201.49	1,166.09	35.40	33.938		
4,100.00	4,019.27	3,827.02	3,778.12	19.90	20.79	142.25	-651.77	351.34	1,236.54	1,200.42	36.12	34.235		
4,200.00	4,116.96	3,908.83	3,858.35	20.39	21.27	142.88	-667.08	346.81	1,272.58	1,235.73	36.86	34.527		
4,300.00	4,214.64	3,998.72	3,946.41	20.88	21.81	143.53	-684.51	341.96	1,309.38	1,271.70	37.68	34.747		
4,400.00	4,312.33	4,090.06	4,035.92	21.37	22.35	144.14	-702.06	337.21	1,346.14	1,307.61	38.53	34.941		
4,500.00	4,410.01	4,186.88	4,130.75	21.87	22.93	144.76	-720.89	331.99	1,383.28	1,343.86	39.43	35.084		
4,600.00	4,507.70	4,271.86	4,214.11	22.36	23.44	145.27	-736.86	327.85	1,419.88	1,379.68	40.21	35.315		
4,700.00	4,605.39	4,332.00	4,272.86	22.85	23.81	145.63	-749.18	324.22	1,458.32	1,417.60	40.71	35.818		
4,800.00	4,703.07	4,447.01	4,385.22	23.35	24.52	146.29	-772.71	317.30	1,496.79	1,454.96	41.83	35.786		
4,900.00	4,800.76	4,519.31	4,455.84	23.84	24.96	146.70	-787.48	312.60	1,535.51	1,493.04	42.47	36.154		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,649.49	4,583.29	24.33	25.75	147.41	-812.58	304.17	1,573.08	1,529.34	43.74	35.966		
5,100.00	4,996.13	4,742.72	4,674.59	24.83	26.31	147.90	-830.29	297.69	1,610.80	1,566.20	44.61	36.110		
5,200.00	5,093.82	4,848.46	4,778.53	25.32	26.93	148.47	-848.18	290.17	1,646.65	1,601.04	45.60	36.108		
5,300.00	5,191.50	4,907.24	4,836.13	25.82	27.27	148.75	-859.23	286.37	1,684.23	1,638.11	46.12	36.520		
5,400.00	5,289.19	5,031.46	4,957.93	26.31	28.02	149.27	-882.60	279.38	1,721.69	1,674.37	47.31	36.389		
5,500.00	5,386.87	5,130.64	5,055.39	26.81	28.60	149.65	-900.40	274.76	1,758.21	1,709.97	48.25	36.442		
5,600.00	5,484.56	5,222.52	5,145.69	27.30	29.13	149.98	-916.91	270.61	1,794.78	1,745.67	49.11	36.548		
5,700.00	5,582.25	5,313.24	5,234.84	27.80	29.66	150.28	-933.17	266.60	1,831.34	1,781.38	49.96	36.658		
5,800.00	5,679.93	5,406.09	5,326.03	28.29	30.21	150.58	-950.26	262.77	1,868.29	1,817.46	50.83	36.755		
5,900.00	5,777.62	5,636.19	5,553.27	28.79	31.45	151.14	-965.78	259.03	1,902.29	1,849.36	52.92	35.943		
6,000.00	5,875.30	5,898.97	5,815.33	29.28	32.60	151.94	-1,003.40	254.85	1,927.60	1,872.72	54.89	35.121		
6,100.00	5,972.99	6,032.92	5,949.24	29.78	33.08	152.41	-1,004.61	252.01	1,947.98	1,892.06	55.92	34.834		
6,200.00	6,070.67	6,121.63	6,037.91	30.27	33.39	152.74	-1,004.81	249.62	1,968.07	1,911.34	56.74	34.688		
6,300.00	6,168.36	6,252.90	6,169.15	30.77	33.83	153.20	-1,004.50	246.60	1,987.72	1,929.98	57.74	34.427		
6,400.00	6,266.05	6,369.44	6,285.69	31.26	34.20	153.53	-1,003.79	246.76	2,006.35	1,947.70	58.65	34.207		
6,500.00	6,363.73	6,500.00	6,480.54	31.76	34.59	153.99	-998.31	251.46	2,022.51	1,962.95	59.55	33.961		
6,534.50	6,397.43	6,643.41	6,559.07	31.93	34.98	154.06	-994.66	257.90	2,026.86	1,966.69	60.17	33.686		
6,550.00	6,412.60	6,656.79	6,572.32	32.01	35.02	158.99	-994.07	259.59	2,028.52	1,968.22	60.30	33.643		
6,600.00	6,461.82	6,699.71	6,614.75	32.24	35.13	-179.08	-992.59	265.93	2,033.08	1,972.39	60.69	33.498		
6,650.00	6,511.25	6,786.68	6,699.15	32.45	35.36	-150.39	-991.67	266.47	2,036.03	1,974.87	61.16	33.289		
6,700.00	6,560.58	6,833.94	6,743.36	32.64	35.48	-125.80	-992.46	303.10	2,037.13	1,975.57	61.56	33.091		
6,750.00	6,609.51	6,868.30	6,774.81	32.83	35.57	-110.53	-993.74	316.90	2,037.35	1,975.42	61.93	32.897		
6,800.00	6,657.74	7,248.97	7,064.84	33.01	36.21	-109.81	-1,003.08	554.02	2,031.70	1,968.68	63.02	32.239		
6,850.00	6,704.97	7,266.15	7,074.63	33.18	36.23	-104.81	-1,003.41	568.13	2,026.43	1,962.89	63.54	31.892		
6,900.00	6,750.90	7,278.06	7,081.34	33.36	36.24	-101.59	-1,003.65	577.97	2,021.65	1,957.63	64.02	31.577		
6,950.00	6,795.26	7,299.98	7,093.45	33.54	36.26	-99.78	-1,004.05	596.24	2,017.44	1,952.86	64.58	31.238		
7,000.00	6,837.77	7,304.53	7,095.91	33.73	36.26	-98.16	-1,004.12	600.06	2,013.91	1,948.90	65.01	30.977		
7,050.00	6,878.17	7,296.95	7,091.80	33.92	36.26	-96.63	-1,004.00	593.70	2,011.11	1,945.76	65.34	30.777		
7,100.00	6,916.21	7,281.62	7,083.34	34.13	36.24	-95.17	-1,003.72	580.92	2,009.03	1,943.43	65.60	30.625		
7,150.00	6,951.66	7,270.91	7,077.32	34.36	36.23	-94.04	-1,003.51	572.06	2,007.63	1,941.72	65.90	30.464		
7,200.00	6,984.29	7,258.51	7,070.29	34.61	36.22	-93.01	-1,003.26	561.85	2,006.88	1,940.68	66.20	30.315		
7,237.02	7,006.53	7,247.41	7,063.95	34.82	36.20	-92.25	-1,003.05	552.74	2,006.73	1,940.31	66.42	30.214		
7,250.00	7,013.91	7,243.16	7,061.50	34.89	36.20	-91.99	-1,002.98	549.26	2,006.75	1,940.26	66.49	30.182		
7,300.00	7,040.34	7,225.12	7,051.05	35.20	36.18	-90.99	-1,002.65	534.57	2,007.14	1,940.36	66.77	30.059		
7,350.00	7,063.40	7,204.65	7,039.02	35.55	36.16	-90.00	-1,002.31	518.01	2,007.97	1,940.90	67.06	29.941		
7,400.00	7,082.97	7,184.00	7,026.71	35.94	36.14	-89.08	-1,001.98	501.43	2,009.14	1,941.76	67.38	29.817		
7,450.00	7,098.91	7,164.25	7,014.51	36.36	36.12	-88.24	-1,001.71	485.91	2,010.61	1,942.84	67.77	29.667		
7,500.00	7,111.13	7,146.13	7,002.73	36.83	36.09	-87.49	-1,001.53	472.14	2,012.34	1,944.13	68.21	29.502		
7,550.00	7,119.55	7,128.07	6,990.45	37.34	36.07	-86.80	-1,001.41	458.89	2,014.28	1,945.59	68.69	29.326		
7,600.00	7,124.13	7,110.05	6,977.69	37.88	36.05	-86.16	-1,001.35	446.17	2,016.37	1,947.18	69.20	29.140		
7,639.68	7,125.00	7,107.57	6,975.93	38.33	36.06	-85.93	-1,001.25	444.43	2,018.08	1,948.38	69.69	28.956		
7,700.00	7,124.48	7,053.59	6,934.71	39.05	35.96	-84.77	-1,001.21	409.61	2,021.34	1,951.15	70.19	28.798		
7,800.00	7,123.60	6,984.77	6,877.40	40.40	35.84	-83.15	-999.58	371.63	2,028.88	1,957.65	71.23	28.482		
7,900.00	7,122.72	6,909.90	6,812.00	41.90	35.67	-81.31	-996.05	335.38	2,039.47	1,967.15	72.32	28.202		
8,000.00	7,121.84	6,899.00	6,802.34	43.54	35.64	-81.04	-995.39	330.37	2,053.80	1,979.82	73.98	27.761		
8,100.00	7,120.97	6,868.53	6,775.01	45.30	35.57	-80.27	-993.75	317.00	2,072.21	1,996.68	75.54	27.433		
8,200.00	7,120.09	6,853.76	6,761.58	47.17	35.53	-79.89	-993.13	310.90	2,095.06	2,017.83	77.24	27.125		
8,300.00	7,119.21	6,840.11	6,749.05	49.13	35.49	-79.54	-992.65	305.48	2,122.11	2,043.17	78.94	26.883		
8,400.00	7,118.33	6,803.00	6,714.55	51.18	35.40	-78.58	-991.82	291.86	2,153.66	2,073.23	80.43	26.777		
8,500.00	7,117.46	6,803.00	6,714.55	53.30	35.40	-78.58	-991.82	291.86	2,188.37	2,106.21	82.16	26.636		
8,600.00	7,116.58	6,803.00	6,714.55	55.48	35.40	-78.58	-991.82	291.86	2,227.04	2,143.23	83.82	26.570 SF		
8,700.00	7,115.70	6,803.00	6,714.55	57.72	35.40	-78.58	-991.82	291.86	2,269.46	2,184.07	85.39	26.576		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	6,803.00	6,714.55	60.02	35.40	-78.58	-991.82	291.86	2,315.43	2,228.55	86.88	26.650		
8,900.00	7,113.95	6,803.00	6,714.55	62.36	35.40	-78.58	-991.82	291.86	2,364.73	2,276.45	88.28	26.788		
9,000.00	7,113.07	6,803.00	6,714.55	64.74	35.40	-78.58	-991.82	291.86	2,417.17	2,327.59	89.58	26.984		
9,100.00	7,112.19	6,766.55	6,679.93	67.15	35.31	-77.63	-991.62	280.48	2,471.28	2,380.69	90.59	27.280		
9,200.00	7,111.31	6,760.64	6,674.24	69.60	35.29	-77.47	-991.64	278.86	2,528.93	2,437.24	91.69	27.582		
9,300.00	7,110.44	6,755.15	6,668.95	72.08	35.28	-77.33	-991.66	277.42	2,589.09	2,496.38	92.71	27.927		
9,400.00	7,109.56	6,750.05	6,664.02	74.58	35.26	-77.19	-991.70	276.13	2,651.61	2,557.96	93.65	28.314		
9,500.00	7,108.68	6,745.29	6,659.40	77.10	35.25	-77.07	-991.74	274.96	2,716.33	2,621.81	94.52	28.739		
9,600.00	7,107.81	6,708.00	6,622.92	79.65	35.15	-76.08	-992.38	267.31	2,784.17	2,689.02	95.15	29.261		
9,700.00	7,106.93	6,708.00	6,622.92	82.22	35.15	-76.08	-992.38	267.31	2,852.59	2,756.69	95.91	29.743		
9,800.00	7,106.05	6,708.00	6,622.92	84.80	35.15	-76.08	-992.38	267.31	2,922.84	2,826.23	96.61	30.255		
9,900.00	7,105.17	6,708.00	6,622.92	87.40	35.15	-76.08	-992.38	267.31	2,994.77	2,897.53	97.24	30.797		
10,000.00	7,104.30	6,708.00	6,622.92	90.02	35.15	-76.08	-992.38	267.31	3,068.28	2,970.45	97.82	31.366		
10,100.00	7,103.42	6,708.00	6,622.92	92.64	35.15	-76.08	-992.38	267.31	3,143.25	3,044.89	98.35	31.959		
10,200.00	7,102.54	6,708.00	6,622.92	95.28	35.15	-76.08	-992.38	267.31	3,219.58	3,120.74	98.84	32.574		
10,300.00	7,101.66	6,708.00	6,622.92	97.94	35.15	-76.08	-992.38	267.31	3,297.17	3,197.89	99.28	33.211		
10,400.00	7,100.79	6,708.00	6,622.92	100.60	35.15	-76.08	-992.38	267.31	3,375.95	3,276.26	99.68	33.866		
10,500.00	7,099.91	6,708.00	6,622.92	103.27	35.15	-76.08	-992.38	267.31	3,455.82	3,355.77	100.05	34.540		
10,600.00	7,099.03	6,708.00	6,622.92	105.95	35.15	-76.08	-992.38	267.31	3,536.72	3,436.32	100.39	35.229		
10,700.00	7,098.15	6,708.00	6,622.92	108.64	35.15	-76.08	-992.38	267.31	3,618.57	3,517.87	100.70	35.934		
10,800.00	7,097.28	6,708.00	6,622.92	111.33	35.15	-76.08	-992.38	267.31	3,701.31	3,600.33	100.98	36.653		
10,900.00	7,096.40	6,708.00	6,622.92	114.04	35.15	-76.08	-992.38	267.31	3,784.89	3,683.65	101.24	37.385		
11,000.00	7,095.52	6,708.00	6,622.92	116.74	35.15	-76.08	-992.38	267.31	3,869.24	3,767.77	101.48	38.129		
11,100.00	7,094.64	6,708.00	6,622.92	119.46	35.15	-76.08	-992.38	267.31	3,954.33	3,852.64	101.69	38.885		
11,200.00	7,093.77	6,708.00	6,622.92	122.18	35.15	-76.08	-992.38	267.31	4,040.10	3,938.21	101.89	39.651		
11,300.00	7,092.89	6,708.00	6,622.92	124.91	35.15	-76.08	-992.38	267.31	4,126.51	4,024.43	102.08	40.426		
11,400.00	7,092.01	6,708.00	6,622.92	127.64	35.15	-76.08	-992.38	267.31	4,213.52	4,111.28	102.24	41.211		
11,500.00	7,091.13	6,708.00	6,622.92	130.38	35.15	-76.08	-992.38	267.31	4,301.10	4,198.70	102.40	42.004		
11,600.00	7,090.26	6,670.52	6,585.91	133.12	35.06	-75.09	-993.53	261.47	4,388.45	4,285.98	102.47	42.826		
11,700.00	7,089.38	6,667.33	6,582.76	135.86	35.05	-75.01	-993.65	261.02	4,476.93	4,374.33	102.60	43.635		
11,800.00	7,088.50	6,664.24	6,579.70	138.61	35.04	-74.93	-993.77	260.59	4,565.87	4,463.15	102.72	44.450		
11,900.00	7,087.63	6,661.25	6,576.74	141.36	35.03	-74.85	-993.89	260.19	4,655.25	4,552.42	102.83	45.271		
12,000.00	7,086.75	6,658.35	6,573.87	144.12	35.02	-74.77	-994.00	259.80	4,745.05	4,642.12	102.93	46.098		
12,100.00	7,085.87	6,655.53	6,571.07	146.88	35.02	-74.70	-994.12	259.43	4,835.24	4,732.21	103.03	46.931		
12,200.00	7,084.99	6,652.79	6,568.36	149.64	35.01	-74.63	-994.24	259.07	4,925.80	4,822.68	103.12	47.769		
12,300.00	7,084.12	6,650.13	6,565.73	152.40	35.00	-74.56	-994.35	258.74	5,016.71	4,913.51	103.20	48.611		
12,400.00	7,083.24	6,613.00	6,528.88	155.17	34.90	-73.59	-996.23	254.57	5,108.57	5,005.34	103.23	49.486		
12,500.00	7,082.36	6,613.00	6,528.88	157.94	34.90	-73.59	-996.23	254.57	5,200.04	5,096.73	103.31	50.333		
12,600.00	7,081.48	6,613.00	6,528.88	160.71	34.90	-73.59	-996.23	254.57	5,291.82	5,188.43	103.39	51.185		
12,700.00	7,080.61	6,613.00	6,528.88	163.49	34.90	-73.59	-996.23	254.57	5,383.89	5,280.44	103.45	52.041		
12,800.00	7,079.73	6,613.00	6,528.88	166.27	34.90	-73.59	-996.23	254.57	5,476.24	5,372.72	103.52	52.900		
12,900.00	7,078.85	6,613.00	6,528.88	169.04	34.90	-73.59	-996.23	254.57	5,568.85	5,465.27	103.58	53.763		
13,000.00	7,077.97	6,613.00	6,528.88	171.83	34.90	-73.59	-996.23	254.57	5,661.72	5,558.08	103.64	54.629		
13,100.00	7,077.10	6,613.00	6,528.88	174.61	34.90	-73.59	-996.23	254.57	5,754.82	5,651.13	103.69	55.499		
13,200.00	7,076.22	6,613.00	6,528.88	177.39	34.90	-73.59	-996.23	254.57	5,848.16	5,744.41	103.75	56.370		
13,300.00	7,075.34	6,613.00	6,528.88	180.18	34.90	-73.59	-996.23	254.57	5,941.71	5,837.91	103.79	57.245		
13,400.00	7,074.46	6,613.00	6,528.88	182.97	34.90	-73.59	-996.23	254.57	6,035.46	5,931.62	103.84	58.122		
13,500.00	7,073.59	6,613.00	6,528.88	185.76	34.90	-73.59	-996.23	254.57	6,129.42	6,025.53	103.89	59.001		
13,600.00	7,072.71	6,613.00	6,528.88	188.55	34.90	-73.59	-996.23	254.57	6,223.56	6,119.63	103.93	59.882		
13,700.00	7,071.83	6,613.00	6,528.88	191.34	34.90	-73.59	-996.23	254.57	6,317.88	6,213.91	103.97	60.766		
13,800.00	7,070.95	6,613.00	6,528.88	194.14	34.90	-73.59	-996.23	254.57	6,412.37	6,308.36	104.01	61.651		
13,900.00	7,070.08	6,613.00	6,528.88	196.93	34.90	-73.59	-996.23	254.57	6,507.03	6,402.98	104.05	62.538		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,069.20	6,613.00	6,528.88	199.73	34.90	-73.59	-996.23	254.57	6,601.85	6,497.76	104.09	63.426		
14,100.00	7,068.32	6,613.00	6,528.88	202.53	34.90	-73.59	-996.23	254.57	6,696.82	6,592.69	104.12	64.316		
14,200.00	7,067.45	6,613.00	6,528.88	205.33	34.90	-73.59	-996.23	254.57	6,791.93	6,687.77	104.16	65.207		
14,300.00	7,066.57	6,613.00	6,528.88	208.13	34.90	-73.59	-996.23	254.57	6,887.18	6,782.98	104.19	66.100		
14,400.00	7,065.69	6,613.00	6,528.88	210.93	34.90	-73.59	-996.23	254.57	6,982.56	6,878.33	104.23	66.993		
14,500.00	7,064.81	6,613.00	6,528.88	213.73	34.90	-73.59	-996.23	254.57	7,078.07	6,973.81	104.26	67.888		
14,600.00	7,063.94	6,613.00	6,528.88	216.54	34.90	-73.59	-996.23	254.57	7,173.70	7,069.41	104.29	68.784		
14,700.00	7,063.06	6,613.00	6,528.88	219.34	34.90	-73.59	-996.23	254.57	7,269.45	7,165.13	104.33	69.680		
14,800.00	7,062.18	6,613.00	6,528.88	222.15	34.90	-73.59	-996.23	254.57	7,365.31	7,260.96	104.36	70.577		
14,900.00	7,061.30	6,613.00	6,528.88	224.95	34.90	-73.59	-996.23	254.57	7,461.29	7,356.90	104.39	71.475		
15,000.00	7,060.43	6,613.00	6,528.88	227.76	34.90	-73.59	-996.23	254.57	7,557.36	7,452.94	104.42	72.374		
15,100.00	7,059.55	6,613.00	6,528.88	230.57	34.90	-73.59	-996.23	254.57	7,653.54	7,549.09	104.45	73.273		
15,200.00	7,058.67	6,613.00	6,528.88	233.38	34.90	-73.59	-996.23	254.57	7,749.81	7,645.33	104.48	74.172		
15,300.00	7,057.79	6,613.00	6,528.88	236.19	34.90	-73.59	-996.23	254.57	7,846.18	7,741.66	104.52	75.072		
15,400.00	7,056.92	6,613.00	6,528.88	239.00	34.90	-73.59	-996.23	254.57	7,942.64	7,838.09	104.55	75.972		
15,500.00	7,056.04	6,613.00	6,528.88	241.81	34.90	-73.59	-996.23	254.57	8,039.18	7,934.60	104.58	76.873		
15,600.00	7,055.16	6,613.00	6,528.88	244.62	34.90	-73.59	-996.23	254.57	8,135.80	8,031.20	104.61	77.774		
15,700.00	7,054.28	6,613.00	6,528.88	247.43	34.90	-73.59	-996.23	254.57	8,232.51	8,127.87	104.64	78.675		
15,800.00	7,053.41	6,613.00	6,528.88	250.25	34.90	-73.59	-996.23	254.57	8,329.30	8,224.63	104.67	79.576		
15,846.35	7,053.00	6,613.00	6,528.88	251.55	34.90	-73.59	-996.23	254.57	8,374.18	8,269.49	104.69	79.993		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	95.69	-50.63	508.03	510.60					
100.00	100.00	96.83	96.83	3.28	3.30	95.72	-50.80	507.30	509.85	503.27	6.58	77.454		
200.00	200.00	196.90	196.89	3.34	3.37	95.78	-51.25	506.58	509.18	502.47	6.71	75.906		
300.00	299.98	299.86	299.85	3.44	3.50	95.48	-51.42	505.51	507.08	500.13	6.95	72.982		
400.00	399.84	405.30	405.27	3.61	3.69	92.08	-51.44	503.52	501.97	494.67	7.30	68.787		
500.00	499.45	500.70	500.65	3.81	3.90	92.97	-51.24	501.45	494.47	486.76	7.71	64.150		
600.00	598.70	594.68	594.62	4.06	4.14	94.24	-51.57	500.33	486.07	477.88	8.19	59.369		
700.00	697.47	692.79	692.72	4.35	4.41	96.05	-52.71	499.66	476.56	467.82	8.74	54.525		
800.00	795.62	794.60	794.49	4.66	4.72	98.55	-55.04	498.32	465.27	455.91	9.36	49.693		
817.50	812.73	810.81	810.69	4.73	4.77	99.01	-55.46	498.03	463.12	453.64	9.47	48.886		
900.00	893.32	887.34	887.20	5.01	5.02	60.99	-56.92	497.18	453.62	443.61	10.00	45.342		
1,000.00	991.01	981.34	981.20	5.38	5.33	63.37	-57.76	497.17	443.69	433.01	10.68	41.548		
1,100.00	1,088.69	1,077.20	1,077.05	5.77	5.64	65.78	-57.89	498.00	435.20	423.82	11.38	38.240		
1,200.00	1,186.38	1,172.05	1,171.89	6.18	5.96	68.19	-57.82	499.45	428.10	415.99	12.11	35.361		
1,300.00	1,284.06	1,272.98	1,272.81	6.60	6.31	70.80	-57.54	501.16	421.91	409.04	12.88	32.765		
1,400.00	1,381.75	1,373.44	1,373.26	7.03	6.67	73.41	-56.61	502.35	415.86	402.20	13.67	30.430		
1,500.00	1,479.44	1,474.71	1,474.52	7.47	7.04	76.12	-55.29	503.03	410.08	395.60	14.48	28.324		
1,600.00	1,577.12	1,573.13	1,572.92	7.91	7.41	78.79	-53.61	503.32	404.66	389.36	15.30	26.454		
1,700.00	1,674.81	1,672.34	1,672.11	8.37	7.79	81.55	-51.81	503.50	400.04	383.90	16.13	24.797		
1,800.00	1,772.49	1,771.36	1,771.11	8.82	8.18	84.38	-49.92	503.38	396.08	379.10	16.98	23.326		
1,900.00	1,870.18	1,868.60	1,868.34	9.28	8.56	87.21	-48.07	503.22	393.08	375.25	17.83	22.046		
2,000.00	1,967.87	1,971.75	1,971.46	9.75	8.97	90.22	-45.78	502.90	390.81	372.11	18.71	20.889		
2,100.00	2,065.55	2,093.63	2,093.07	10.22	9.46	93.81	-39.07	498.98	385.17	365.54	19.63	19.625		
2,200.00	2,163.24	2,197.67	2,196.54	10.69	9.89	97.37	-31.89	490.94	376.76	356.25	20.51	18.373		
2,300.00	2,260.92	2,291.08	2,289.32	11.16	10.28	101.17	-27.24	481.12	369.71	348.32	21.39	17.286		
2,400.00	2,358.61	2,383.83	2,381.54	11.64	10.68	105.05	-23.54	471.95	365.68	343.41	22.27	16.420		
2,500.00	2,456.30	2,478.40	2,475.67	12.12	11.08	108.93	-19.79	463.69	364.18	341.03	23.15	15.730		
2,513.35	2,469.34	2,491.03	2,488.25	12.18	11.14	109.43	-19.29	462.67	364.16	340.89	23.27	15.650 CC		
2,600.00	2,553.98	2,574.82	2,571.72	12.59	11.50	112.76	-15.98	456.15	364.91	340.87	24.04	15.182 ES		
2,700.00	2,651.67	2,670.85	2,667.35	13.08	11.91	116.61	-12.23	448.25	367.29	342.37	24.92	14.741		
2,800.00	2,749.35	2,773.38	2,769.42	13.56	12.36	120.71	-8.24	439.41	371.39	345.56	25.82	14.383		
2,900.00	2,847.04	2,871.36	2,866.74	14.04	12.80	124.70	-2.81	429.42	375.33	348.62	26.71	14.052		
3,000.00	2,944.72	2,972.51	2,967.24	14.52	13.26	128.68	2.77	419.43	381.22	353.61	27.61	13.807		
3,100.00	3,042.41	3,068.45	3,062.54	15.01	13.69	132.21	9.44	410.65	387.48	358.99	28.49	13.601		
3,200.00	3,140.10	3,161.83	3,155.39	15.50	14.11	135.48	15.04	402.50	396.18	366.83	29.35	13.498		
3,300.00	3,237.78	3,262.74	3,255.78	15.98	14.57	138.81	20.97	394.08	406.40	376.15	30.25	13.434		
3,400.00	3,335.47	3,360.94	3,353.49	16.47	15.02	141.74	27.72	387.02	416.76	385.63	31.14	13.385		
3,500.00	3,433.15	3,456.96	3,449.08	16.96	15.45	144.41	34.11	380.53	428.33	396.33	32.01	13.383 SF		
3,600.00	3,530.84	3,552.99	3,544.71	17.45	15.89	146.91	40.17	374.27	441.11	408.24	32.87	13.418		
3,700.00	3,628.53	3,650.36	3,641.71	17.94	16.33	149.26	46.10	368.19	454.85	421.10	33.75	13.477		
3,800.00	3,726.21	3,738.43	3,729.46	18.43	16.72	151.24	51.25	362.82	469.58	435.04	34.55	13.593		
3,900.00	3,823.90	3,826.82	3,817.73	18.92	17.11	152.89	52.96	358.43	488.11	452.78	35.33	13.817		
4,000.00	3,921.58	3,924.90	3,915.66	19.41	17.54	154.60	54.88	353.41	507.18	470.97	36.20	14.009		
4,100.00	4,019.27	4,029.70	4,020.36	19.90	18.00	156.14	57.07	349.59	526.03	488.89	37.15	14.162		
4,200.00	4,116.96	4,116.93	4,107.58	20.39	18.35	156.95	57.81	349.85	544.88	506.99	37.89	14.381		
4,300.00	4,214.64	4,210.35	4,200.98	20.88	18.72	157.65	56.41	350.50	565.76	527.08	38.69	14.625		
4,400.00	4,312.33	4,304.31	4,294.93	21.37	19.09	158.33	54.90	350.75	587.01	547.53	39.49	14.866		
4,500.00	4,410.01	4,418.26	4,408.86	21.87	19.55	159.04	53.33	351.87	607.92	567.42	40.50	15.010		
4,600.00	4,507.70	4,518.99	4,509.56	22.36	19.95	159.56	53.70	354.31	626.69	585.31	41.38	15.145		
4,700.00	4,605.39	4,623.80	4,614.34	22.85	20.38	160.17	55.06	356.18	644.92	602.62	42.30	15.247		
4,800.00	4,703.07	4,722.95	4,713.46	23.35	20.79	160.79	57.30	357.32	662.64	619.47	43.17	15.348		
4,900.00	4,800.76	4,820.79	4,811.27	23.84	21.20	161.42	59.84	358.05	680.30	636.26	44.04	15.447		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,911.30	4,901.75	24.33	21.58	161.96	61.67	358.65	698.59	653.75	44.84	15.579		
5,100.00	4,996.13	4,992.44	4,982.89	24.83	21.92	162.42	62.03	358.48	718.70	673.17	45.54	15.783		
5,200.00	5,093.82	5,090.99	5,081.43	25.32	22.33	163.01	61.76	357.13	740.03	693.62	46.41	15.944		
5,300.00	5,191.50	5,190.93	5,181.36	25.82	22.76	163.62	62.08	355.33	761.12	713.81	47.31	16.087		
5,400.00	5,289.19	5,287.94	5,278.34	26.31	23.18	164.21	62.64	353.36	782.17	733.99	48.18	16.235		
5,500.00	5,386.87	5,390.40	5,380.78	26.81	23.62	164.81	63.60	351.27	803.00	753.89	49.11	16.353		
5,600.00	5,484.56	5,471.60	5,461.96	27.30	23.96	165.19	63.23	350.14	824.72	774.92	49.80	16.561		
5,700.00	5,582.25	5,575.16	5,565.51	27.80	24.39	165.60	61.91	349.24	846.96	796.23	50.73	16.697		
5,800.00	5,679.93	5,678.28	5,668.63	28.29	24.82	166.00	61.44	348.37	868.52	816.87	51.65	16.815		
5,900.00	5,777.62	5,779.98	5,770.32	28.79	25.25	166.43	61.87	347.19	889.55	836.98	52.57	16.922		
6,000.00	5,875.30	5,881.58	5,871.92	29.28	25.67	166.75	61.96	347.26	910.28	856.80	53.47	17.023		
6,100.00	5,972.99	5,986.80	5,977.13	29.78	26.11	167.08	62.76	347.68	930.29	875.88	54.41	17.097		
6,200.00	6,070.67	6,083.79	6,074.12	30.27	26.52	167.42	64.31	347.58	949.90	894.62	55.28	17.184		
6,300.00	6,168.36	6,179.91	6,170.22	30.77	26.93	167.70	65.03	347.92	970.00	913.86	56.14	17.279		
6,400.00	6,266.05	6,431.34	6,419.04	31.26	27.93	167.18	67.40	373.47	988.33	930.58	57.75	17.114		
6,500.00	6,363.73	6,643.16	6,613.88	31.76	28.69	163.73	68.98	455.39	988.13	929.71	58.42	16.913		
6,534.50	6,397.43	6,667.36	6,634.95	31.93	28.79	163.20	69.05	467.28	986.39	927.59	58.80	16.774		
6,550.00	6,412.60	6,678.07	6,644.23	32.01	28.83	167.70	68.96	472.62	985.66	926.68	58.97	16.713		
6,600.00	6,461.82	6,717.53	6,678.16	32.24	29.00	-171.95	67.96	492.75	982.69	923.19	59.50	16.515		
6,650.00	6,511.25	6,820.22	6,760.63	32.45	29.48	-146.93	63.74	553.60	977.21	917.28	59.93	16.305		
6,700.00	6,560.58	6,876.78	6,802.56	32.64	29.82	-124.92	61.24	591.46	969.81	909.24	60.56	16.013		
6,750.00	6,609.51	7,006.19	6,887.56	32.83	30.74	-116.51	57.80	688.70	960.89	899.57	61.32	15.671		
6,800.00	6,657.74	7,042.27	6,907.71	33.01	31.07	-109.99	57.55	718.62	951.34	889.13	62.21	15.292		
6,850.00	6,704.97	7,063.36	6,918.72	33.18	31.26	-106.04	57.42	736.61	943.20	880.18	63.02	14.966		
6,900.00	6,750.90	7,074.07	6,924.08	33.36	31.36	-103.28	57.35	745.88	936.94	873.24	63.70	14.709		
6,950.00	6,795.26	7,077.41	6,925.72	33.54	31.39	-101.05	57.33	748.78	932.79	868.58	64.22	14.526		
7,000.00	6,837.77	7,075.38	6,924.73	33.73	31.37	-99.03	57.34	747.02	930.87	866.30	64.57	14.416		
7,018.13	6,852.68	7,073.60	6,923.85	33.80	31.35	-98.32	57.35	745.47	930.72	866.06	64.66	14.393		
7,050.00	6,878.17	7,069.36	6,921.74	33.92	31.32	-97.07	57.38	741.79	931.17	866.40	64.77	14.376		
7,100.00	6,916.21	7,060.30	6,917.15	34.13	31.23	-95.09	57.44	733.98	933.63	868.80	64.83	14.401		
7,150.00	6,951.66	7,048.87	6,911.22	34.36	31.13	-93.05	57.51	724.21	938.12	873.35	64.77	14.484		
7,200.00	6,984.29	7,035.58	6,904.10	34.61	31.01	-90.94	57.60	712.99	944.48	879.86	64.62	14.616		
7,250.00	7,013.91	7,020.79	6,895.91	34.89	30.87	-88.76	57.70	700.67	952.52	888.11	64.41	14.788		
7,300.00	7,040.34	7,009.00	6,889.19	35.20	30.73	-86.75	57.82	690.99	962.01	897.78	64.23	14.978		
7,350.00	7,063.40	6,985.55	6,875.30	35.55	30.56	-84.13	57.95	672.09	972.79	908.89	63.90	15.224		
7,400.00	7,082.97	6,961.82	6,860.57	35.94	30.39	-81.54	58.30	653.50	984.44	920.85	63.58	15.482		
7,450.00	7,098.91	6,937.91	6,845.05	36.36	30.22	-79.02	58.87	635.32	996.73	933.43	63.30	15.745		
7,500.00	7,111.13	6,913.87	6,828.79	36.83	30.05	-76.57	59.67	617.63	1,009.44	946.37	63.07	16.004		
7,550.00	7,119.55	6,890.57	6,812.44	37.34	29.89	-74.26	60.63	601.07	1,022.37	959.43	62.94	16.244		
7,600.00	7,124.13	6,867.97	6,796.17	37.88	29.76	-72.11	61.62	585.40	1,035.34	972.43	62.91	16.457		
7,639.68	7,125.00	6,849.42	6,782.57	38.33	29.66	-70.48	62.45	572.82	1,045.54	982.61	62.94	16.613		
7,700.00	7,124.48	6,821.72	6,761.82	39.05	29.50	-69.35	63.69	554.51	1,062.00	998.96	63.03	16.849		
7,800.00	7,123.60	6,804.00	6,748.29	40.40	29.40	-68.62	64.49	543.10	1,094.39	1,030.50	63.89	17.128		
7,900.00	7,122.72	6,756.54	6,710.66	41.90	29.18	-66.62	66.52	514.27	1,132.36	1,068.28	64.09	17.669		
8,000.00	7,121.84	6,709.00	6,670.88	43.54	28.96	-64.57	68.25	488.32	1,177.06	1,112.81	64.25	18.320		
8,100.00	7,120.97	6,709.00	6,670.88	45.30	28.96	-64.57	68.25	488.32	1,226.30	1,160.84	65.47	18.732		
8,200.00	7,120.09	6,683.00	6,648.50	47.17	28.85	-63.45	68.89	475.10	1,280.93	1,214.89	66.04	19.397		
8,300.00	7,119.21	6,658.72	6,627.44	49.13	28.76	-62.42	69.07	463.01	1,339.86	1,273.27	66.59	20.122		
8,400.00	7,118.33	6,635.34	6,607.03	51.18	28.66	-61.45	68.87	451.61	1,402.59	1,335.50	67.10	20.904		
8,500.00	7,117.46	6,614.00	6,588.29	53.30	28.58	-60.59	68.37	441.41	1,468.70	1,401.12	67.58	21.731		
8,600.00	7,116.58	6,614.00	6,588.29	55.48	28.58	-60.59	68.37	441.41	1,538.15	1,469.82	68.33	22.511		
8,700.00	7,115.70	6,575.79	6,554.17	57.72	28.44	-59.05	67.46	424.26	1,609.65	1,541.19	68.45	23.514		

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 32C-6-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 32C-6-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 Wiedeman #A-5-3NBHZ - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 39-MWD														Offset Well Error: 3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,800.00	7,114.82	6,559.87	6,539.68	60.02	28.39	-58.41	67.23	417.66	1,683.93	1,615.08	68.84	24.460				
8,900.00	7,113.95	6,519.00	6,501.84	62.36	28.24	-56.76	67.06	402.24	1,760.96	1,692.11	68.85	25.576				
9,000.00	7,113.07	6,519.00	6,501.84	64.74	28.24	-56.76	67.06	402.24	1,838.98	1,769.62	69.36	26.514				
9,100.00	7,112.19	6,519.00	6,501.84	67.15	28.24	-56.76	67.06	402.24	1,919.03	1,849.24	69.80	27.495				
9,200.00	7,111.31	6,519.00	6,501.84	69.60	28.24	-56.76	67.06	402.24	2,000.88	1,930.71	70.17	28.514				
9,300.00	7,110.44	6,484.91	6,469.80	72.08	28.12	-55.41	67.18	390.59	2,083.76	2,013.59	70.17	29.697				
9,400.00	7,109.56	6,468.23	6,454.05	74.58	28.06	-54.75	67.24	385.10	2,167.93	2,097.61	70.32	30.828				
9,500.00	7,108.68	6,452.34	6,439.00	77.10	28.00	-54.14	67.31	380.01	2,253.16	2,182.70	70.46	31.976				
9,600.00	7,107.81	6,424.00	6,412.05	79.65	27.90	-53.07	67.43	371.24	2,339.43	2,268.95	70.48	33.192				
9,700.00	7,106.93	6,424.00	6,412.05	82.22	27.90	-53.07	67.43	371.24	2,426.40	2,355.68	70.72	34.308				
9,800.00	7,106.05	6,424.00	6,412.05	84.80	27.90	-53.07	67.43	371.24	2,514.34	2,443.40	70.94	35.444				
9,900.00	7,105.17	6,424.00	6,412.05	87.40	27.90	-53.07	67.43	371.24	2,603.15	2,532.03	71.13	36.599				
10,000.00	7,104.30	6,424.00	6,412.05	90.02	27.90	-53.07	67.43	371.24	2,692.75	2,621.45	71.29	37.770				
10,100.00	7,103.42	6,424.00	6,412.05	92.64	27.90	-53.07	67.43	371.24	2,783.05	2,711.61	71.44	38.955				
10,200.00	7,102.54	6,424.00	6,412.05	95.28	27.90	-53.07	67.43	371.24	2,874.00	2,802.42	71.58	40.153				
10,300.00	7,101.66	6,424.00	6,412.05	97.94	27.90	-53.07	67.43	371.24	2,965.53	2,893.84	71.70	41.362				
10,400.00	7,100.79	6,424.00	6,412.05	100.60	27.90	-53.07	67.43	371.24	3,057.59	2,985.79	71.80	42.582				
10,500.00	7,099.91	6,424.00	6,412.05	103.27	27.90	-53.07	67.43	371.24	3,150.14	3,078.23	71.90	43.811				
10,600.00	7,099.03	6,424.00	6,412.05	105.95	27.90	-53.07	67.43	371.24	3,243.12	3,171.13	71.99	45.049				
10,700.00	7,098.15	6,424.00	6,412.05	108.64	27.90	-53.07	67.43	371.24	3,336.52	3,264.44	72.07	46.294				
10,800.00	7,097.28	6,424.00	6,412.05	111.33	27.90	-53.07	67.43	371.24	3,430.28	3,358.14	72.15	47.545				
10,900.00	7,096.40	6,380.85	6,370.36	114.04	27.74	-51.47	67.49	360.17	3,522.09	3,450.05	72.04	48.888				
11,000.00	7,095.52	6,378.39	6,367.96	116.74	27.73	-51.38	67.49	359.66	3,616.25	3,544.15	72.11	50.152				
11,100.00	7,094.64	6,376.06	6,365.67	119.46	27.72	-51.29	67.48	359.19	3,710.71	3,638.54	72.17	51.420				
11,200.00	7,093.77	6,373.83	6,363.49	122.18	27.72	-51.21	67.47	358.75	3,805.43	3,733.21	72.22	52.691				
11,300.00	7,092.89	6,371.70	6,361.40	124.91	27.71	-51.13	67.47	358.34	3,900.41	3,828.13	72.27	53.966				
11,400.00	7,092.01	6,329.00	6,319.16	127.64	27.55	-49.61	67.17	352.20	3,997.64	3,925.46	72.18	55.385				
11,500.00	7,091.13	6,329.00	6,319.16	130.38	27.55	-49.61	67.17	352.20	4,092.88	4,020.64	72.24	56.656				
11,600.00	7,090.26	6,329.00	6,319.16	133.12	27.55	-49.61	67.17	352.20	4,188.34	4,116.04	72.30	57.930				
11,700.00	7,089.38	6,329.00	6,319.16	135.86	27.55	-49.61	67.17	352.20	4,284.00	4,211.65	72.36	59.208				
11,800.00	7,088.50	6,329.00	6,319.16	138.61	27.55	-49.61	67.17	352.20	4,379.86	4,307.46	72.41	60.487				
11,900.00	7,087.63	6,329.00	6,319.16	141.36	27.55	-49.61	67.17	352.20	4,475.91	4,403.44	72.46	61.769				
12,000.00	7,086.75	6,329.00	6,319.16	144.12	27.55	-49.61	67.17	352.20	4,572.12	4,499.61	72.51	63.053				
12,100.00	7,085.87	6,329.00	6,319.16	146.88	27.55	-49.61	67.17	352.20	4,668.49	4,595.93	72.56	64.339				
12,200.00	7,084.99	6,329.00	6,319.16	149.64	27.55	-49.61	67.17	352.20	4,765.01	4,692.40	72.61	65.626				
12,300.00	7,084.12	6,329.00	6,319.16	152.40	27.55	-49.61	67.17	352.20	4,861.67	4,789.01	72.66	66.914				
12,400.00	7,083.24	6,329.00	6,319.16	155.17	27.55	-49.61	67.17	352.20	4,958.46	4,885.76	72.70	68.202				
12,500.00	7,082.36	6,329.00	6,319.16	157.94	27.55	-49.61	67.17	352.20	5,055.38	4,982.63	72.75	69.492				
12,600.00	7,081.48	6,329.00	6,319.16	160.71	27.55	-49.61	67.17	352.20	5,152.42	5,079.62	72.79	70.782				
12,700.00	7,080.61	6,329.00	6,319.16	163.49	27.55	-49.61	67.17	352.20	5,249.56	5,176.73	72.84	72.072				
12,800.00	7,079.73	6,329.00	6,319.16	166.27	27.55	-49.61	67.17	352.20	5,346.82	5,273.93	72.88	73.363				
12,900.00	7,078.85	6,329.00	6,319.16	169.04	27.55	-49.61	67.17	352.20	5,444.17	5,371.24	72.93	74.653				
13,000.00	7,077.97	6,329.00	6,319.16	171.83	27.55	-49.61	67.17	352.20	5,541.61	5,468.64	72.97	75.943				
13,100.00	7,077.10	6,329.00	6,319.16	174.61	27.55	-49.61	67.17	352.20	5,639.15	5,566.14	73.01	77.233				
13,200.00	7,076.22	6,329.00	6,319.16	177.39	27.55	-49.61	67.17	352.20	5,736.77	5,663.71	73.06	78.523				
13,300.00	7,075.34	6,329.00	6,319.16	180.18	27.55	-49.61	67.17	352.20	5,834.47	5,761.37	73.10	79.811				
13,400.00	7,074.46	6,329.00	6,319.16	182.97	27.55	-49.61	67.17	352.20	5,932.25	5,859.10	73.15	81.100				
13,500.00	7,073.59	6,329.00	6,319.16	185.76	27.55	-49.61	67.17	352.20	6,030.10	5,956.91	73.19	82.387				
13,600.00	7,072.71	6,329.00	6,319.16	188.55	27.55	-49.61	67.17	352.20	6,128.02	6,054.78	73.24	83.673				
13,700.00	7,071.83	6,329.00	6,319.16	191.34	27.55	-49.61	67.17	352.20	6,226.01	6,152.72	73.28	84.958				
13,800.00	7,070.95	6,329.00	6,319.16	194.14	27.55	-49.61	67.17	352.20	6,324.06	6,250.73	73.33	86.242				
13,900.00	7,070.08	6,329.00	6,319.16	196.93	27.55	-49.61	67.17	352.20	6,422.16	6,348.79	73.37	87.525				

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	6,329.00	6,319.16	199.73	27.55	-49.61	67.17	352.20	6,520.33	6,446.91	73.42	88.807		
14,100.00	7,068.32	6,329.00	6,319.16	202.53	27.55	-49.61	67.17	352.20	6,618.55	6,545.08	73.47	90.087		
14,200.00	7,067.45	6,329.00	6,319.16	205.33	27.55	-49.61	67.17	352.20	6,716.83	6,643.31	73.52	91.365		
14,300.00	7,066.57	6,329.00	6,319.16	208.13	27.55	-49.61	67.17	352.20	6,815.15	6,741.59	73.56	92.642		
14,400.00	7,065.69	6,329.00	6,319.16	210.93	27.55	-49.61	67.17	352.20	6,913.52	6,839.91	73.61	93.918		
14,500.00	7,064.81	6,329.00	6,319.16	213.73	27.55	-49.61	67.17	352.20	7,011.94	6,938.28	73.66	95.191		
14,600.00	7,063.94	6,329.00	6,319.16	216.54	27.55	-49.61	67.17	352.20	7,110.40	7,036.69	73.71	96.463		
14,700.00	7,063.06	6,329.00	6,319.16	219.34	27.55	-49.61	67.17	352.20	7,208.91	7,135.15	73.76	97.733		
14,800.00	7,062.18	6,329.00	6,319.16	222.15	27.55	-49.61	67.17	352.20	7,307.46	7,233.64	73.81	99.000		
14,900.00	7,061.30	6,329.00	6,319.16	224.95	27.55	-49.61	67.17	352.20	7,406.04	7,332.18	73.86	100.266		
15,000.00	7,060.43	6,329.00	6,319.16	227.76	27.55	-49.61	67.17	352.20	7,504.66	7,430.75	73.92	101.530		
15,100.00	7,059.55	6,329.00	6,319.16	230.57	27.55	-49.61	67.17	352.20	7,603.32	7,529.35	73.97	102.791		
15,200.00	7,058.67	6,329.00	6,319.16	233.38	27.55	-49.61	67.17	352.20	7,702.01	7,627.99	74.02	104.051		
15,300.00	7,057.79	6,329.00	6,319.16	236.19	27.55	-49.61	67.17	352.20	7,800.74	7,726.66	74.08	105.308		
15,400.00	7,056.92	6,329.00	6,319.16	239.00	27.55	-49.61	67.17	352.20	7,899.50	7,825.37	74.13	106.563		
15,500.00	7,056.04	6,329.00	6,319.16	241.81	27.55	-49.61	67.17	352.20	7,998.28	7,924.10	74.19	107.815		
15,600.00	7,055.16	6,329.00	6,319.16	244.62	27.55	-49.61	67.17	352.20	8,097.10	8,022.86	74.24	109.065		
15,700.00	7,054.28	6,329.00	6,319.16	247.43	27.55	-49.61	67.17	352.20	8,195.95	8,121.65	74.30	110.313		
15,800.00	7,053.41	6,329.00	6,319.16	250.25	27.55	-49.61	67.17	352.20	8,294.83	8,220.47	74.35	111.558		
15,846.35	7,053.00	6,329.00	6,319.16	251.55	27.55	-49.61	67.17	352.20	8,340.66	8,266.28	74.38	112.134		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-MWVD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-79.80	167.24	-929.76	4,882.27					
100.00	100.00	0.00	0.00	3.28	0.00	-79.80	167.24	-929.76	4,784.20	4,777.29	6.91	692.376		
200.00	200.00	0.00	0.00	3.34	0.00	-79.80	167.24	-929.76	4,686.21	4,679.42	6.79	690.634		
300.00	299.98	0.00	0.00	3.44	0.00	-131.52	167.24	-929.76	4,588.53	4,581.86	6.66	688.850		
400.00	399.84	0.00	0.00	3.61	0.00	-137.27	167.24	-929.76	4,491.48	4,484.95	6.54	687.095		
500.00	499.45	0.00	0.00	3.81	0.00	-141.87	167.24	-929.76	4,395.25	4,388.83	6.42	685.088		
600.00	598.70	0.00	0.00	4.06	0.00	-145.58	167.24	-929.76	4,299.99	4,293.69	6.30	682.691		
700.00	697.47	0.00	0.00	4.35	0.00	-148.60	167.24	-929.76	4,205.89	4,199.70	6.19	679.705		
800.00	795.62	0.00	0.00	4.66	0.00	-151.09	167.24	-929.76	4,113.16	4,107.07	6.09	675.847		
817.50	812.73	0.00	0.00	4.73	0.00	-151.48	167.24	-929.76	4,097.09	4,091.02	6.06	675.692		
900.00	893.32	0.00	0.00	5.01	0.00	-151.48	167.24	-929.76	4,021.57	4,015.57	6.00	670.256		
1,000.00	991.01	0.00	0.00	5.38	0.00	-151.48	167.24	-929.76	3,930.40	3,924.47	5.94	662.053		
1,100.00	1,088.69	0.00	0.00	5.77	0.00	-151.48	167.24	-929.76	3,839.68	3,833.79	5.89	652.094		
1,200.00	1,186.38	0.00	0.00	6.18	0.00	-151.48	167.24	-929.76	3,749.43	3,743.57	5.86	640.212		
1,300.00	1,284.06	0.00	0.00	6.60	0.00	-151.48	167.24	-929.76	3,659.69	3,653.84	5.84	626.267		
1,400.00	1,381.75	0.00	0.00	7.03	0.00	-151.48	167.24	-929.76	3,570.49	3,564.64	5.85	610.164		
1,500.00	1,479.44	0.00	0.00	7.47	0.00	-151.48	167.24	-929.76	3,481.88	3,475.99	5.88	591.874		
1,600.00	1,577.12	0.00	0.00	7.91	0.00	-151.48	167.24	-929.76	3,393.90	3,387.96	5.94	571.443		
1,700.00	1,674.81	0.00	0.00	8.37	0.00	-151.48	167.24	-929.76	3,306.60	3,300.58	6.02	549.003		
1,800.00	1,772.49	0.00	0.00	8.82	0.00	-151.48	167.24	-929.76	3,220.04	3,213.91	6.14	524.772		
1,900.00	1,870.18	0.00	0.00	9.28	0.00	-151.48	167.24	-929.76	3,134.29	3,128.01	6.28	499.045		
2,000.00	1,967.87	0.00	0.00	9.75	0.00	-151.48	167.24	-929.76	3,049.40	3,042.94	6.46	472.182		
2,100.00	2,065.55	0.00	0.00	10.22	0.00	-151.48	167.24	-929.76	2,965.45	2,958.78	6.67	444.582		
2,200.00	2,163.24	0.00	0.00	10.69	0.00	-151.48	167.24	-929.76	2,882.53	2,875.61	6.92	416.657		
2,300.00	2,260.92	0.00	0.00	11.16	0.00	-151.48	167.24	-929.76	2,800.72	2,793.52	7.20	388.809		
2,400.00	2,358.61	0.00	0.00	11.64	0.00	-151.48	167.24	-929.76	2,720.13	2,712.61	7.53	361.410		
2,500.00	2,456.30	0.00	0.00	12.12	0.00	-151.48	167.24	-929.76	2,640.87	2,632.98	7.89	334.779		
2,600.00	2,553.98	0.00	0.00	12.59	0.00	-151.48	167.24	-929.76	2,563.06	2,554.77	8.29	309.183		
2,700.00	2,651.67	0.00	0.00	13.08	0.00	-151.48	167.24	-929.76	2,486.84	2,478.10	8.73	284.827		
2,800.00	2,749.35	0.00	0.00	13.56	0.00	-151.48	167.24	-929.76	2,412.35	2,403.14	9.21	261.857		
2,900.00	2,847.04	0.00	0.00	14.04	0.00	-151.48	167.24	-929.76	2,339.77	2,330.03	9.73	240.368		
3,000.00	2,944.72	0.00	0.00	14.52	0.00	-151.48	167.24	-929.76	2,269.27	2,258.97	10.30	220.411		
3,100.00	3,042.41	0.00	0.00	15.01	0.00	-151.48	167.24	-929.76	2,201.06	2,190.16	10.90	201.997		
3,200.00	3,140.10	0.00	0.00	15.50	0.00	-151.48	167.24	-929.76	2,135.35	2,123.82	11.54	185.111		
3,300.00	3,237.78	0.00	0.00	15.98	0.00	-151.48	167.24	-929.76	2,072.39	2,060.18	12.21	169.715		
3,400.00	3,335.47	0.00	0.00	16.47	0.00	-151.48	167.24	-929.76	2,012.43	1,999.51	12.92	155.757		
3,500.00	3,433.15	0.00	0.00	16.96	0.00	-151.48	167.24	-929.76	1,955.75	1,942.09	13.66	143.173		
3,600.00	3,530.84	0.00	0.00	17.45	0.00	-151.48	167.24	-929.76	1,902.64	1,888.21	14.43	131.894		
3,700.00	3,628.53	0.00	0.00	17.94	0.00	-151.48	167.24	-929.76	1,853.40	1,838.19	15.21	121.847		
3,800.00	3,726.21	0.00	0.00	18.43	0.00	-151.48	167.24	-929.76	1,808.36	1,792.35	16.01	112.960		
3,900.00	3,823.90	0.00	0.00	18.92	0.00	-151.48	167.24	-929.76	1,767.84	1,751.03	16.81	105.162		
4,000.00	3,921.58	0.00	0.00	19.41	0.00	-151.48	167.24	-929.76	1,732.15	1,714.54	17.61	98.383		
4,100.00	4,019.27	0.00	0.00	19.90	0.00	-151.48	167.24	-929.76	1,701.59	1,683.20	18.38	92.557		
4,200.00	4,116.96	0.00	0.00	20.39	0.00	-151.48	167.24	-929.76	1,676.45	1,657.31	19.13	87.620		
4,300.00	4,214.64	0.00	0.00	20.88	0.00	-151.48	167.24	-929.76	1,656.97	1,637.13	19.84	83.515		
4,400.00	4,312.33	0.00	0.00	21.37	0.00	-151.48	167.24	-929.76	1,643.36	1,622.86	20.49	80.186		
4,500.00	4,410.01	0.00	0.00	21.87	0.00	-151.48	167.24	-929.76	1,635.76	1,614.67	21.08	77.582		
4,574.63	4,482.91	0.00	0.00	22.23	0.00	-151.48	167.24	-929.76	1,634.05	1,612.58	21.48	76.081		
4,600.00	4,507.70	0.00	0.00	22.36	0.00	-151.48	167.24	-929.76	1,634.25	1,612.65	21.60	75.654		
4,700.00	4,605.39	0.00	0.00	22.85	0.00	-151.48	167.24	-929.76	1,638.86	1,616.82	22.04	74.359		
4,800.00	4,703.07	0.00	0.00	23.35	0.00	-151.48	167.24	-929.76	1,649.52	1,627.13	22.40	73.655		
4,900.00	4,800.76	8.74	8.74	23.84	0.02	-151.51	167.23	-929.77	1,666.11	1,643.40	22.71	73.376		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 Wiedeman 22-5-4NBHZ - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 39-MWD															Offset Well Error: 0.00 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.00	4,898.44	93.43	93.42	24.33	0.32	-151.82	166.80	-930.14	1,685.59	1,662.15	23.44	71.910				
5,100.00	4,996.13	180.99	180.98	24.83	0.71	-152.13	166.23	-931.04	1,705.73	1,681.47	24.26	70.314				
5,200.00	5,093.82	271.39	271.37	25.32	1.11	-152.45	165.38	-932.42	1,726.47	1,701.38	25.10	68.795				
5,300.00	5,191.50	366.40	366.36	25.82	1.53	-152.78	164.51	-934.05	1,747.45	1,721.48	25.96	67.300				
5,400.00	5,289.19	456.60	456.53	26.31	1.92	-153.11	162.79	-935.52	1,768.72	1,741.92	26.80	65.998				
5,500.00	5,386.87	546.26	546.13	26.81	2.32	-153.46	160.00	-937.11	1,790.57	1,762.94	27.63	64.806				
5,600.00	5,484.56	641.62	641.39	27.30	2.75	-153.87	155.89	-938.45	1,812.57	1,784.07	28.50	63.596				
5,700.00	5,582.25	725.42	725.04	27.80	3.12	-154.25	151.11	-939.62	1,835.11	1,805.82	29.29	62.655				
5,800.00	5,679.93	806.32	805.73	28.29	3.49	-154.65	145.33	-940.97	1,858.51	1,828.46	30.06	61.835				
5,900.00	5,777.62	889.84	888.95	28.79	3.88	-155.07	138.50	-942.70	1,882.74	1,851.90	30.84	61.041				
6,000.00	5,875.30	963.22	962.02	29.28	4.22	-155.44	132.08	-944.74	1,907.95	1,876.40	31.55	60.470				
6,100.00	5,972.99	1,038.27	1,036.70	29.78	4.58	-155.80	125.19	-947.66	1,934.39	1,902.12	32.27	59.945				
6,200.00	6,070.67	1,120.83	1,118.80	30.27	4.97	-156.19	117.46	-951.62	1,961.82	1,928.77	33.05	59.364				
6,300.00	6,168.36	1,212.54	1,209.99	30.77	5.41	-156.61	108.98	-956.34	1,989.64	1,955.73	33.90	58.690				
6,400.00	6,266.05	1,303.64	1,300.63	31.26	5.85	-156.99	101.37	-961.58	2,017.74	1,982.99	34.75	58.067				
6,500.00	6,363.73	1,407.37	1,403.86	31.76	6.35	-157.39	93.17	-967.49	2,045.70	2,010.00	35.70	57.300				
6,534.50	6,397.43	1,433.22	1,429.57	31.93	6.48	-157.50	90.96	-968.91	2,055.39	2,019.44	35.95	57.178				
6,550.00	6,412.60	1,444.84	1,441.13	32.01	6.53	-152.59	89.92	-969.56	2,059.62	2,023.56	36.06	57.123				
6,600.00	6,461.82	1,482.52	1,478.58	32.24	6.72	-130.74	86.32	-971.69	2,071.10	2,034.69	36.40	56.896				
6,650.00	6,511.25	1,533.81	1,529.51	32.45	6.97	-101.69	80.91	-974.48	2,079.14	2,042.28	36.85	56.415				
6,700.00	6,560.58	1,587.71	1,582.97	32.64	7.24	-76.83	74.62	-976.98	2,083.48	2,046.16	37.31	55.837				
6,750.00	6,609.51	1,636.37	1,631.17	32.83	7.49	-61.42	68.13	-978.78	2,084.19	2,046.47	37.72	55.258				
6,800.00	6,657.74	1,687.68	1,681.85	33.01	7.75	-52.57	60.26	-980.14	2,081.34	2,043.22	38.13	54.589				
6,850.00	6,704.97	1,757.22	1,750.49	33.18	8.11	-47.60	49.20	-981.21	2,074.70	2,036.01	38.69	53.625				
6,900.00	6,750.90	1,837.41	1,829.73	33.36	8.52	-44.97	36.81	-981.39	2,064.07	2,024.74	39.33	52.484				
6,950.00	6,795.26	1,884.49	1,876.29	33.54	8.76	-43.35	29.88	-981.00	2,049.62	2,009.95	39.67	51.665				
7,000.00	6,837.77	1,912.10	1,903.60	33.73	8.90	-42.42	25.80	-980.91	2,032.27	1,992.43	39.84	51.010				
7,050.00	6,878.17	1,938.56	1,929.75	33.92	9.04	-42.19	21.83	-980.99	2,012.20	1,972.21	39.99	50.313				
7,100.00	6,916.21	1,964.25	1,955.15	34.13	9.17	-42.55	17.92	-981.23	1,989.53	1,949.40	40.14	49.567				
7,150.00	6,951.66	1,991.36	1,981.93	34.36	9.31	-43.48	13.76	-981.60	1,964.36	1,924.06	40.30	48.743				
7,200.00	6,984.29	2,016.56	2,006.83	34.61	9.45	-44.89	9.85	-982.03	1,936.82	1,896.37	40.45	47.877				
7,250.00	7,013.91	2,039.73	2,029.70	34.89	9.57	-46.77	6.22	-982.50	1,907.10	1,866.49	40.61	46.966				
7,300.00	7,040.34	2,066.41	2,056.04	35.20	9.71	-49.32	2.02	-983.11	1,875.36	1,834.54	40.82	45.947				
7,350.00	7,063.40	2,103.05	2,092.23	35.55	9.90	-52.83	-3.65	-983.82	1,841.64	1,800.48	41.16	44.746				
7,400.00	7,082.97	2,133.78	2,122.60	35.94	10.06	-56.88	-8.29	-984.24	1,806.18	1,764.69	41.48	43.540				
7,450.00	7,098.91	2,158.54	2,147.10	36.36	10.19	-61.46	-11.95	-984.48	1,769.27	1,727.48	41.80	42.330				
7,500.00	7,111.13	2,162.91	2,151.42	36.83	10.22	-65.78	-12.59	-984.55	1,731.31	1,689.36	41.95	41.268				
7,550.00	7,119.55	2,169.72	2,158.15	37.34	10.25	-70.78	-13.59	-984.65	1,692.51	1,650.33	42.19	40.119				
7,600.00	7,124.13	2,173.88	2,162.27	37.88	10.27	-76.16	-14.19	-984.72	1,653.12	1,610.67	42.45	38.940				
7,639.68	7,125.00	2,175.21	2,163.59	38.33	10.28	-80.61	-14.39	-984.74	1,621.60	1,578.91	42.69	37.988				
7,700.00	7,124.48	2,175.89	2,164.26	39.05	10.28	-80.65	-14.48	-984.76	1,573.99	1,530.90	43.09	36.526				
7,800.00	7,123.60	2,177.06	2,165.42	40.40	10.29	-80.71	-14.65	-984.78	1,497.08	1,453.14	43.94	34.070				
7,900.00	7,122.72	2,178.30	2,166.64	41.90	10.30	-80.79	-14.83	-984.80	1,423.04	1,378.00	45.05	31.592				
8,000.00	7,121.84	2,179.59	2,167.92	43.54	10.30	-80.86	-15.02	-984.82	1,352.35	1,305.91	46.44	29.121				
8,100.00	7,120.97	2,180.96	2,169.27	45.30	10.31	-80.94	-15.22	-984.85	1,285.55	1,237.40	48.15	26.697				
8,200.00	7,120.09	2,182.40	2,170.70	47.17	10.32	-81.03	-15.43	-984.88	1,223.29	1,173.08	50.21	24.364				
8,300.00	7,119.21	2,183.93	2,172.21	49.13	10.33	-81.12	-15.65	-984.91	1,166.28	1,113.68	52.61	22.170				
8,400.00	7,118.33	2,185.55	2,173.81	51.18	10.34	-81.21	-15.88	-984.94	1,115.34	1,060.02	55.33	20.160				
8,500.00	7,117.46	2,187.26	2,175.51	53.30	10.34	-81.31	-16.13	-984.98	1,071.34	1,013.03	58.31	18.373				
8,600.00	7,116.58	2,189.08	2,177.31	55.48	10.35	-81.42	-16.39	-985.02	1,035.15	973.67	61.47	16.839				
8,700.00	7,115.70	2,191.03	2,179.23	57.72	10.36	-81.53	-16.67	-985.06	1,007.62	942.93	64.69	15.576				
8,800.00	7,114.82	2,193.10	2,181.28	60.02	10.37	-81.65	-16.97	-985.11	989.46	921.66	67.81	14.592				

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 Wiedeman 22-5-4NBHZ - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 39-MWD													Offset Well Error: 0.00 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,900.00	7,113.95	2,195.32	2,183.47	62.36	10.39	-81.78	-17.29	-985.16	981.21	910.53	70.68	13.882	CC, ES			
8,931.33	7,113.67	2,196.04	2,184.19	63.10	10.39	-81.82	-17.39	-985.18	980.72	909.20	71.51	13.714				
9,000.00	7,113.07	2,197.69	2,185.83	64.74	10.40	-81.92	-17.63	-985.22	983.12	909.94	73.17	13.436				
9,100.00	7,112.19	2,200.25	2,188.35	67.15	10.41	-82.07	-17.99	-985.28	995.11	919.92	75.18	13.236	SF			
9,200.00	7,111.31	2,203.00	2,191.07	69.60	10.43	-82.23	-18.38	-985.35	1,016.83	940.16	76.68	13.261				
9,300.00	7,110.44	2,205.97	2,194.02	72.08	10.44	-82.40	-18.81	-985.43	1,047.69	970.03	77.66	13.491				
9,400.00	7,109.56	2,209.20	2,197.21	74.58	10.46	-82.59	-19.27	-985.52	1,086.89	1,008.71	78.18	13.902				
9,500.00	7,108.68	2,212.70	2,200.68	77.10	10.48	-82.80	-19.76	-985.62	1,133.58	1,055.26	78.32	14.474				
9,600.00	7,107.81	2,216.53	2,204.47	79.65	10.50	-83.02	-20.31	-985.74	1,186.86	1,108.70	78.16	15.186				
9,700.00	7,106.93	2,220.73	2,208.62	82.22	10.52	-83.27	-20.90	-985.87	1,245.90	1,168.13	77.77	16.020				
9,800.00	7,106.05	2,225.36	2,213.20	84.80	10.54	-83.53	-21.55	-986.02	1,309.91	1,232.68	77.23	16.961				
9,900.00	7,105.17	2,230.47	2,218.26	87.40	10.57	-83.83	-22.27	-986.19	1,378.20	1,301.61	76.59	17.994				
10,000.00	7,104.30	2,236.16	2,223.89	90.02	10.60	-84.17	-23.06	-986.40	1,450.16	1,374.26	75.90	19.106				
10,100.00	7,103.42	2,242.53	2,230.19	92.64	10.63	-84.54	-23.95	-986.64	1,525.27	1,450.09	75.18	20.287				
10,200.00	7,102.54	2,249.71	2,237.30	95.28	10.67	-84.95	-24.95	-986.93	1,603.09	1,528.62	74.47	21.527				
10,300.00	7,101.66	2,257.86	2,245.36	97.94	10.71	-85.43	-26.07	-987.27	1,683.24	1,609.46	73.78	22.816				
10,400.00	7,100.79	2,266.00	2,244.77	100.60	10.74	-85.91	-27.27	-987.61	1,765.39	1,650.51	73.07	24.166				
10,500.00	7,099.91	2,274.15	2,244.87	103.27	10.71	-85.40	-26.03	-987.23	1,849.36	1,777.09	72.27	25.591				
10,600.00	7,099.03	2,282.30	2,248.69	105.95	10.73	-85.62	-26.58	-987.39	1,934.81	1,863.20	71.60	27.021				
10,700.00	7,098.15	2,290.45	2,252.59	108.64	10.75	-85.85	-27.14	-987.55	2,021.58	1,950.60	70.98	28.482				
10,800.00	7,097.28	2,298.60	2,256.59	111.33	10.78	-86.09	-27.71	-987.72	2,109.52	2,039.13	70.39	29.970				
10,900.00	7,096.40	2,306.75	2,260.67	114.04	10.80	-86.33	-28.31	-987.89	2,198.48	2,128.65	69.83	31.482				
11,000.00	7,095.52	2,314.90	2,264.85	116.74	10.82	-86.57	-28.92	-988.07	2,288.35	2,219.04	69.31	33.015				
11,100.00	7,094.64	2,323.05	2,269.14	119.46	10.84	-86.83	-29.54	-988.26	2,379.02	2,310.20	68.83	34.566				
11,200.00	7,093.77	2,331.20	2,273.52	122.18	10.87	-87.08	-30.19	-988.45	2,470.41	2,402.04	68.37	36.133				
11,300.00	7,092.89	2,339.35	2,278.01	124.91	10.89	-87.35	-30.85	-988.65	2,562.42	2,494.48	67.94	37.713				
11,400.00	7,092.01	2,347.50	2,282.62	127.64	10.92	-87.61	-31.54	-988.85	2,655.01	2,587.47	67.55	39.306				
11,500.00	7,091.13	2,355.65	2,287.34	130.38	10.94	-87.89	-32.24	-989.07	2,748.12	2,680.94	67.18	40.908				
11,600.00	7,090.26	2,363.80	2,292.17	133.12	10.97	-88.17	-32.97	-989.29	2,841.68	2,774.85	66.83	42.519				
11,700.00	7,089.38	2,371.95	2,297.13	135.86	10.99	-88.46	-33.72	-989.52	2,935.66	2,869.15	66.51	44.136				
11,800.00	7,088.50	2,380.10	2,302.23	138.61	11.02	-88.76	-34.49	-989.76	3,030.02	2,963.80	66.22	45.760				
11,900.00	7,087.63	2,388.25	2,307.45	141.36	11.05	-89.06	-35.29	-990.01	3,124.72	3,058.78	65.94	47.388				
12,000.00	7,086.75	2,396.40	2,312.81	144.12	11.08	-89.37	-36.12	-990.26	3,219.74	3,154.05	65.68	49.020				
12,100.00	7,085.87	2,404.55	2,318.32	146.88	11.11	-89.69	-36.97	-990.53	3,315.04	3,249.59	65.44	50.654				
12,200.00	7,084.99	2,412.70	2,323.98	149.64	11.14	-90.02	-37.85	-990.81	3,410.60	3,345.37	65.22	52.290				
12,300.00	7,084.12	2,420.85	2,329.80	152.40	11.17	-90.36	-38.76	-991.10	3,506.40	3,441.38	65.02	53.927				
12,400.00	7,083.24	2,429.00	2,335.78	155.17	11.20	-90.70	-39.70	-991.40	3,602.42	3,537.59	64.83	55.564				
12,500.00	7,082.36	2,437.15	2,341.93	157.94	11.24	-91.06	-40.68	-991.71	3,698.65	3,633.99	64.66	57.200				
12,600.00	7,081.48	2,445.30	2,336.40	160.71	11.21	-90.74	-39.78	-991.41	3,795.09	3,730.70	64.39	58.935				
12,700.00	7,080.61	2,453.45	2,339.30	163.49	11.22	-90.90	-40.23	-991.55	3,891.69	3,827.48	64.22	60.603				
12,800.00	7,079.73	2,461.60	2,342.13	166.27	11.24	-91.07	-40.67	-991.68	3,988.46	3,924.41	64.05	62.271				
12,900.00	7,078.85	2,469.75	2,344.91	169.04	11.25	-91.23	-41.10	-991.81	4,085.38	4,021.49	63.89	63.940				
13,000.00	7,077.97	2,477.90	2,347.64	171.83	11.27	-91.38	-41.53	-991.94	4,182.44	4,118.70	63.75	65.610				
13,100.00	7,077.10	2,486.05	2,350.32	174.61	11.28	-91.54	-41.94	-992.06	4,279.64	4,216.03	63.61	67.279				
13,200.00	7,076.22	2,494.20	2,352.94	177.39	11.30	-91.69	-42.34	-992.18	4,376.96	4,313.47	63.48	68.949				
13,300.00	7,075.34	2,502.35	2,355.52	180.18	11.31	-91.84	-42.74	-992.30	4,474.39	4,411.03	63.36	70.618				
13,400.00	7,074.46	2,510.50	2,358.05	182.97	11.33	-91.98	-43.13	-992.41	4,571.93	4,508.68	63.25	72.287				
13,500.00	7,073.59	2,518.65	2,360.53	185.76	11.34	-92.12	-43.51	-992.52	4,669.58	4,606.43	63.14	73.954				
13,600.00	7,072.71	2,526.80	2,362.97	188.55	11.35	-92.26	-43.89	-992.63	4,767.32	4,704.27	63.04	75.620				
13,700.00	7,071.83	2,534.95	2,365.36	191.34	11.37	-92.40	-44.26	-992.73	4,865.15	4,802.19	62.95	77.285				
13,800.00	7,070.95	2,543.10	2,367.71	194.14	11.38	-92.53	-44.62	-992.83	4,963.06	4,900.19	62.86	78.948				
13,900.00	7,070.08	2,551.25	2,370.02	196.93	11.39	-92.66	-44.97	-992.93	5,061.05	4,998.27	62.78	80.610				

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	2,386.37	2,372.29	199.73	11.40	-92.79	-45.32	-993.03	5,159.12	5,096.41	62.71	82.269		
14,100.00	7,068.32	2,388.63	2,374.52	202.53	11.42	-92.92	-45.66	-993.12	5,257.26	5,194.62	62.64	83.927		
14,200.00	7,067.45	2,390.85	2,376.71	205.33	11.43	-93.04	-46.00	-993.21	5,355.47	5,292.89	62.58	85.581		
14,300.00	7,066.57	2,393.03	2,378.86	208.13	11.44	-93.17	-46.33	-993.30	5,453.74	5,391.22	62.52	87.234		
14,400.00	7,065.69	2,395.17	2,380.98	210.93	11.45	-93.29	-46.65	-993.39	5,552.07	5,489.61	62.46	88.884		
14,500.00	7,064.81	2,397.28	2,383.06	213.73	11.46	-93.40	-46.97	-993.47	5,650.46	5,588.05	62.41	90.531		
14,600.00	7,063.94	2,399.35	2,385.11	216.54	11.47	-93.52	-47.28	-993.56	5,748.90	5,686.53	62.37	92.175		
14,700.00	7,063.06	2,401.39	2,387.12	219.34	11.48	-93.63	-47.59	-993.64	5,847.40	5,785.07	62.33	93.816		
14,800.00	7,062.18	2,403.39	2,389.10	222.15	11.49	-93.74	-47.89	-993.71	5,945.94	5,883.65	62.29	95.454		
14,900.00	7,061.30	2,405.37	2,391.05	224.95	11.51	-93.85	-48.19	-993.79	6,044.53	5,982.27	62.26	97.089		
15,000.00	7,060.43	2,407.31	2,392.97	227.76	11.52	-93.96	-48.48	-993.87	6,143.16	6,080.94	62.23	98.720		
15,100.00	7,059.55	2,409.21	2,394.86	230.57	11.53	-94.07	-48.77	-993.94	6,241.84	6,179.64	62.20	100.348		
15,200.00	7,058.67	2,411.09	2,396.71	233.38	11.54	-94.17	-49.05	-994.01	6,340.56	6,278.38	62.18	101.972		
15,300.00	7,057.79	2,412.94	2,398.54	236.19	11.55	-94.28	-49.33	-994.08	6,439.31	6,377.15	62.16	103.593		
15,400.00	7,056.92	2,432.00	2,417.37	239.00	11.65	-95.33	-52.17	-994.77	6,538.15	6,475.87	62.28	104.978		
15,500.00	7,056.04	2,432.00	2,417.37	241.81	11.65	-95.33	-52.17	-994.77	6,636.97	6,574.72	62.25	106.612		
15,600.00	7,055.16	2,432.00	2,417.37	244.62	11.65	-95.33	-52.17	-994.77	6,735.82	6,673.59	62.23	108.243		
15,700.00	7,054.28	2,432.00	2,417.37	247.43	11.65	-95.33	-52.17	-994.77	6,834.71	6,772.50	62.21	109.870		
15,800.00	7,053.41	2,432.00	2,417.37	250.25	11.65	-95.33	-52.17	-994.77	6,933.63	6,871.44	62.19	111.494		
15,846.35	7,053.00	2,432.00	2,417.37	251.55	11.65	-95.33	-52.17	-994.77	6,979.49	6,917.31	62.18	112.245		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 #18-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-78.13	197.47	-939.23	960.47					
100.00	100.00	59.05	59.05	3.28	3.29	-78.13	197.51	-939.31	959.86	953.28	6.57	146.041	CC	
200.00	200.00	150.64	150.64	3.34	3.34	-78.12	197.80	-940.04	960.71	954.03	6.68	143.862		
300.00	299.98	259.54	259.53	3.44	3.46	-122.71	197.84	-941.04	962.56	955.66	6.90	139.428		
400.00	399.84	345.24	345.21	3.61	3.60	-122.96	196.55	-942.35	966.58	959.38	7.20	134.242		
500.00	499.45	430.18	430.06	3.81	3.76	-123.40	193.76	-945.12	973.94	966.36	7.58	128.507		
600.00	598.70	505.99	505.64	4.06	3.94	-123.93	189.77	-949.28	985.20	977.19	8.01	122.926		
700.00	697.47	576.81	576.00	4.35	4.14	-124.57	184.38	-955.18	1,001.12	992.62	8.50	117.742		
800.00	795.62	651.79	650.12	4.66	4.38	-125.39	176.85	-963.61	1,021.92	1,012.87	9.05	112.929		
817.50	812.73	666.31	664.45	4.73	4.43	-125.57	175.28	-965.37	1,025.97	1,016.82	9.16	112.054		
900.00	893.32	744.87	741.89	5.01	4.71	-126.90	166.34	-975.15	1,045.75	1,036.06	9.69	107.955		
1,000.00	991.01	843.33	838.86	5.38	5.10	-128.57	153.86	-986.75	1,069.74	1,059.35	10.39	102.996		
1,100.00	1,088.69	962.08	955.55	5.77	5.62	-130.61	136.20	-999.79	1,093.84	1,082.62	11.22	97.485		
1,200.00	1,186.38	1,111.93	1,102.15	6.18	6.33	-133.40	106.94	-1,009.66	1,114.50	1,102.23	12.27	90.831		
1,300.00	1,284.06	1,214.03	1,201.25	6.60	6.85	-135.43	82.61	-1,013.04	1,133.45	1,120.29	13.16	86.128		
1,400.00	1,381.75	1,343.53	1,326.45	7.03	7.54	-138.02	49.65	-1,015.32	1,152.55	1,138.31	14.24	80.934		
1,500.00	1,479.44	1,421.15	1,401.22	7.47	7.98	-139.58	28.84	-1,015.56	1,171.54	1,156.47	15.07	77.749		
1,600.00	1,577.12	1,510.37	1,487.20	7.91	8.51	-141.32	4.99	-1,016.13	1,192.15	1,176.17	15.97	74.627		
1,700.00	1,674.81	1,588.96	1,563.07	8.37	8.98	-142.79	-15.50	-1,017.10	1,214.40	1,197.58	16.82	72.207		
1,800.00	1,772.49	1,688.40	1,659.34	8.82	9.58	-144.52	-40.30	-1,018.80	1,237.98	1,220.19	17.79	69.571		
1,900.00	1,870.18	1,781.66	1,749.87	9.28	10.14	-146.06	-62.67	-1,020.01	1,261.98	1,243.25	18.73	67.381		
2,000.00	1,967.87	1,874.96	1,840.46	9.75	10.70	-147.54	-84.98	-1,021.07	1,286.71	1,267.04	19.67	65.425		
2,100.00	2,065.55	1,937.30	1,901.26	10.22	11.07	-148.44	-98.62	-1,022.89	1,313.28	1,292.91	20.37	64.469		
2,200.00	2,163.24	2,032.70	1,995.01	10.69	11.61	-149.57	-115.43	-1,028.01	1,341.57	1,320.30	21.27	63.082		
2,300.00	2,260.92	2,200.10	2,160.94	11.16	12.43	-151.18	-136.81	-1,032.39	1,365.76	1,343.20	22.56	60.526		
2,400.00	2,358.61	2,314.52	2,275.01	11.64	12.94	-152.00	-145.48	-1,034.56	1,388.77	1,365.27	23.50	59.108		
2,500.00	2,456.30	2,438.51	2,398.87	12.12	13.43	-152.70	-150.79	-1,035.99	1,410.24	1,385.81	24.44	57.711		
2,600.00	2,553.98	2,548.28	2,508.62	12.59	13.83	-153.20	-152.28	-1,036.37	1,430.11	1,404.81	25.29	56.543		
2,700.00	2,651.67	2,668.23	2,628.57	13.08	14.24	-153.66	-152.16	-1,036.41	1,449.37	1,423.20	26.17	55.390		
2,800.00	2,749.35	2,760.96	2,721.28	13.56	14.52	-153.95	-150.55	-1,036.29	1,467.94	1,441.04	26.90	54.565		
2,900.00	2,847.04	2,859.59	2,819.88	14.04	14.83	-154.21	-147.95	-1,036.55	1,486.61	1,458.94	27.67	53.732		
3,000.00	2,944.72	2,952.34	2,912.60	14.52	15.12	-154.45	-145.42	-1,036.94	1,505.43	1,477.02	28.41	52.981		
3,100.00	3,042.41	3,039.72	2,999.94	15.01	15.40	-154.67	-143.21	-1,037.80	1,524.86	1,495.71	29.15	52.317		
3,200.00	3,140.10	3,143.12	3,103.30	15.50	15.75	-154.92	-140.79	-1,039.28	1,544.81	1,514.86	29.95	51.573		
3,300.00	3,237.78	3,250.14	3,210.24	15.98	16.10	-155.13	-136.58	-1,040.06	1,563.52	1,532.74	30.78	50.800		
3,400.00	3,335.47	3,338.72	3,298.76	16.47	16.40	-155.29	-133.29	-1,041.08	1,582.76	1,551.23	31.53	50.203		
3,500.00	3,433.15	3,470.74	3,430.70	16.96	16.84	-155.58	-129.10	-1,041.51	1,601.52	1,569.04	32.47	49.316		
3,600.00	3,530.84	3,555.73	3,515.65	17.45	17.13	-155.77	-126.55	-1,040.93	1,619.37	1,586.15	33.22	48.745		
3,700.00	3,628.53	3,649.47	3,609.36	17.94	17.46	-155.98	-124.05	-1,040.70	1,637.76	1,603.75	34.01	48.154		
3,800.00	3,726.21	3,744.71	3,704.57	18.43	17.80	-156.20	-121.76	-1,040.70	1,656.50	1,621.69	34.81	47.584		
3,900.00	3,823.90	3,861.34	3,821.16	18.92	18.21	-156.47	-118.90	-1,039.76	1,674.48	1,638.76	35.72	46.882		
4,000.00	3,921.58	3,963.22	3,923.00	19.41	18.58	-156.71	-116.51	-1,038.41	1,692.09	1,655.53	36.56	46.286		
4,100.00	4,019.27	4,054.44	4,014.18	19.90	18.91	-156.92	-114.15	-1,037.21	1,709.65	1,672.30	37.35	45.773		
4,200.00	4,116.96	4,142.49	4,102.19	20.39	19.23	-157.09	-111.56	-1,036.85	1,727.90	1,689.77	38.13	45.316		
4,300.00	4,214.64	4,243.46	4,203.11	20.88	19.60	-157.27	-108.31	-1,036.84	1,746.43	1,707.46	38.97	44.810		
4,400.00	4,312.33	4,366.80	4,326.37	21.37	20.06	-157.49	-104.07	-1,035.69	1,764.06	1,724.13	39.93	44.180		
4,500.00	4,410.01	4,454.22	4,413.74	21.87	20.38	-157.66	-101.41	-1,034.37	1,781.33	1,740.62	40.71	43.751		
4,600.00	4,507.70	4,539.04	4,498.52	22.36	20.70	-157.83	-99.14	-1,033.60	1,799.32	1,757.83	41.49	43.369		
4,700.00	4,605.39	4,632.20	4,591.66	22.85	21.05	-158.01	-96.84	-1,033.15	1,817.78	1,775.48	42.31	42.968		
4,800.00	4,703.07	4,716.28	4,675.72	23.35	21.38	-158.18	-95.15	-1,033.08	1,836.81	1,793.74	43.08	42.641		
4,900.00	4,800.76	4,809.12	4,768.54	23.84	21.74	-158.35	-93.24	-1,033.60	1,856.41	1,812.51	43.89	42.292		
5,000.00	4,898.44	4,929.18	4,888.57	24.33	22.21	-158.58	-91.00	-1,033.52	1,875.56	1,830.69	44.87	41.804		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,056.03	5,015.39	24.83	22.70	-158.86	-89.02	-1,031.37	1,893.40	1,847.53	45.87	41.279		
5,200.00	5,093.82	5,138.73	5,098.06	25.32	23.02	-159.04	-87.90	-1,029.44	1,910.79	1,864.15	46.64	40.965		
5,300.00	5,191.50	5,222.14	5,181.45	25.82	23.35	-159.24	-87.37	-1,028.09	1,929.12	1,881.70	47.42	40.679		
5,400.00	5,289.19	5,298.22	5,257.53	26.31	23.65	-159.41	-87.04	-1,027.48	1,948.31	1,900.15	48.16	40.458		
5,500.00	5,386.87	5,422.50	5,381.81	26.81	24.16	-159.69	-86.91	-1,026.95	1,968.12	1,918.95	49.17	40.028		
5,600.00	5,484.56	5,542.78	5,501.98	27.30	24.65	-160.07	-89.36	-1,022.58	1,985.86	1,935.69	50.16	39.588		
5,700.00	5,582.25	5,629.75	5,588.86	27.80	25.00	-160.35	-91.37	-1,019.17	2,003.57	1,952.59	50.97	39.306		
5,800.00	5,679.93	5,714.74	5,673.82	28.29	25.35	-160.55	-91.23	-1,017.57	2,022.03	1,970.26	51.77	39.061		
5,900.00	5,777.62	5,809.88	5,768.95	28.79	25.72	-160.71	-89.68	-1,016.74	2,040.78	1,988.17	52.61	38.790		
6,000.00	5,875.30	5,892.20	5,851.22	29.28	26.05	-160.80	-86.89	-1,017.08	2,059.91	2,006.53	53.38	38.591		
6,100.00	5,972.99	5,962.00	5,920.91	29.78	26.33	-160.83	-83.54	-1,018.94	2,080.33	2,026.27	54.06	38.480		
6,200.00	6,070.67	6,081.47	6,040.17	30.27	26.80	-160.87	-77.53	-1,022.59	2,101.10	2,046.05	55.05	38.165		
6,300.00	6,168.36	6,196.21	6,154.87	30.77	27.26	-161.03	-75.09	-1,022.53	2,120.33	2,064.31	56.02	37.851		
6,400.00	6,266.05	6,280.89	6,239.56	31.26	27.61	-161.19	-74.78	-1,021.88	2,139.78	2,082.97	56.81	37.669		
6,500.00	6,363.73	6,373.31	6,331.97	31.76	27.99	-161.34	-73.94	-1,022.05	2,159.83	2,102.19	57.64	37.472		
6,534.50	6,397.43	6,408.09	6,366.74	31.93	28.13	-161.39	-73.31	-1,022.27	2,166.75	2,108.80	57.94	37.394		
6,550.00	6,412.60	6,423.64	6,382.29	32.01	28.19	-156.49	-72.98	-1,022.38	2,169.69	2,111.61	58.08	37.357		
6,600.00	6,461.82	6,474.24	6,432.87	32.24	28.40	-134.65	-71.69	-1,022.86	2,176.85	2,118.33	58.51	37.202		
6,650.00	6,511.25	6,528.48	6,487.08	32.45	28.62	-105.58	-70.18	-1,023.37	2,180.43	2,121.47	58.96	36.982		
6,700.00	6,560.58	6,584.38	6,542.97	32.64	28.85	-80.71	-69.31	-1,023.35	2,180.33	2,120.94	59.40	36.707		
6,750.00	6,609.51	6,635.72	6,594.32	32.83	29.06	-65.34	-69.06	-1,022.94	2,176.63	2,116.83	59.79	36.402		
6,800.00	6,657.74	6,681.99	6,640.58	33.01	29.25	-56.48	-69.17	-1,022.33	2,169.42	2,109.27	60.14	36.070		
6,850.00	6,704.97	6,715.82	6,674.41	33.18	29.39	-51.22	-69.22	-1,022.08	2,159.01	2,098.61	60.40	35.745		
6,900.00	6,750.90	6,748.98	6,707.56	33.36	29.53	-48.10	-69.12	-1,022.13	2,145.58	2,084.94	60.64	35.383		
6,950.00	6,795.26	6,794.11	6,752.69	33.54	29.71	-46.46	-68.78	-1,022.53	2,129.12	2,068.18	60.94	34.937		
7,000.00	6,837.77	6,845.67	6,804.25	33.73	29.93	-45.91	-68.22	-1,022.88	2,109.43	2,048.15	61.28	34.424		
7,050.00	6,878.17	6,879.61	6,838.19	33.92	30.07	-45.96	-67.85	-1,023.06	2,086.78	2,025.29	61.50	33.933		
7,100.00	6,916.21	6,909.11	6,867.69	34.13	30.19	-46.62	-67.71	-1,023.26	2,061.56	1,999.87	61.68	33.421		
7,150.00	6,951.66	6,936.67	6,895.25	34.36	30.31	-47.85	-67.74	-1,023.49	2,033.93	1,972.07	61.86	32.879		
7,200.00	6,984.29	6,965.64	6,924.21	34.61	30.43	-49.71	-67.88	-1,023.77	2,004.07	1,942.01	62.06	32.294		
7,250.00	7,013.91	6,993.18	6,951.76	34.89	30.54	-52.16	-67.99	-1,024.09	1,972.11	1,909.86	62.26	31.676		
7,300.00	7,040.34	7,017.98	6,976.55	35.20	30.65	-55.19	-68.07	-1,024.43	1,938.30	1,875.84	62.46	31.032		
7,350.00	7,063.40	7,042.55	7,001.12	35.55	30.75	-58.90	-68.13	-1,024.81	1,902.85	1,840.16	62.69	30.352		
7,400.00	7,082.97	7,066.41	7,024.97	35.94	30.85	-63.31	-68.11	-1,025.18	1,865.98	1,803.03	62.95	29.641		
7,450.00	7,098.91	7,086.04	7,044.60	36.36	30.93	-68.28	-68.03	-1,025.49	1,827.96	1,764.74	63.22	28.913		
7,500.00	7,111.13	7,101.33	7,059.89	36.83	30.99	-73.73	-67.92	-1,025.73	1,789.08	1,725.57	63.51	28.172		
7,550.00	7,119.55	7,112.16	7,070.72	37.34	31.04	-79.51	-67.83	-1,025.90	1,749.63	1,685.82	63.81	27.421		
7,600.00	7,124.13	7,118.47	7,077.02	37.88	31.07	-85.45	-67.77	-1,026.00	1,709.88	1,645.76	64.13	26.664		
7,639.68	7,125.00	7,120.22	7,078.78	38.33	31.07	-90.14	-67.75	-1,026.03	1,678.32	1,613.92	64.39	26.063		
7,700.00	7,124.48	7,120.70	7,079.26	39.05	31.08	-90.17	-67.74	-1,026.04	1,630.81	1,565.96	64.85	25.148		
7,800.00	7,123.60	7,121.49	7,080.05	40.40	31.08	-90.21	-67.74	-1,026.05	1,554.02	1,488.24	65.78	23.625		
7,900.00	7,122.72	7,122.28	7,080.84	41.90	31.08	-90.25	-67.73	-1,026.06	1,480.00	1,413.04	66.95	22.105		
8,000.00	7,121.84	7,123.08	7,081.63	43.54	31.09	-90.30	-67.72	-1,026.08	1,409.19	1,340.78	68.41	20.600		
8,100.00	7,120.97	7,123.87	7,082.42	45.30	31.09	-90.34	-67.71	-1,026.09	1,342.09	1,271.93	70.17	19.128		
8,200.00	7,120.09	7,124.66	7,083.21	47.17	31.09	-90.39	-67.70	-1,026.10	1,279.31	1,207.07	72.24	17.708		
8,300.00	7,119.21	7,125.45	7,084.00	49.13	31.10	-90.43	-67.69	-1,026.11	1,221.49	1,146.85	74.64	16.364		
8,400.00	7,118.33	7,126.24	7,084.79	51.18	31.10	-90.48	-67.68	-1,026.13	1,169.38	1,092.04	77.35	15.119		
8,500.00	7,117.46	7,127.03	7,085.58	53.30	31.10	-90.52	-67.67	-1,026.14	1,123.77	1,043.47	80.30	13.994		
8,600.00	7,116.58	7,127.82	7,086.37	55.48	31.11	-90.57	-67.66	-1,026.15	1,085.48	1,002.05	83.43	13.010		
8,700.00	7,115.70	7,128.61	7,087.16	57.72	31.11	-90.61	-67.66	-1,026.16	1,055.31	968.68	86.63	12.181		
8,800.00	7,114.82	7,129.40	7,087.95	60.02	31.11	-90.65	-67.65	-1,026.18	1,033.97	944.20	89.77	11.518		
8,900.00	7,113.95	7,130.19	7,088.74	62.36	31.12	-90.70	-67.64	-1,026.19	1,022.01	929.31	92.70	11.025		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,972.98	7,113.31	7,130.77	7,089.32	64.09	31.12	-90.73	-67.63	-1,026.20	1,019.40	924.77	94.63	10.772		
9,000.00	7,113.07	7,130.98	7,089.53	64.74	31.12	-90.74	-67.63	-1,026.20	1,019.76	924.47	95.29	10.702 ES		
9,100.00	7,112.19	7,131.77	7,090.32	67.15	31.12	-90.79	-67.62	-1,026.21	1,027.28	929.84	97.44	10.543		
9,200.00	7,111.31	7,132.56	7,091.11	69.60	31.13	-90.83	-67.61	-1,026.23	1,044.37	945.28	99.09	10.540 SF		
9,300.00	7,110.44	7,133.35	7,091.90	72.08	31.13	-90.88	-67.60	-1,026.24	1,070.57	970.33	100.23	10.681		
9,400.00	7,109.56	7,134.14	7,092.69	74.58	31.13	-90.92	-67.59	-1,026.25	1,105.22	1,004.32	100.90	10.953		
9,500.00	7,108.68	7,134.93	7,093.48	77.10	31.14	-90.97	-67.58	-1,026.27	1,147.57	1,046.41	101.16	11.344		
9,600.00	7,107.81	7,135.71	7,094.27	79.65	31.14	-91.01	-67.57	-1,026.28	1,196.79	1,095.71	101.08	11.840		
9,700.00	7,106.93	7,136.50	7,095.06	82.22	31.14	-91.05	-67.56	-1,026.29	1,252.08	1,151.35	100.74	12.429		
9,800.00	7,106.05	7,137.29	7,095.84	84.80	31.15	-91.10	-67.55	-1,026.30	1,312.67	1,212.47	100.20	13.100		
9,900.00	7,105.17	7,138.08	7,096.63	87.40	31.15	-91.14	-67.54	-1,026.32	1,377.86	1,278.32	99.54	13.842		
10,000.00	7,104.30	7,138.87	7,097.42	90.02	31.15	-91.19	-67.53	-1,026.33	1,447.03	1,348.24	98.79	14.647		
10,100.00	7,103.42	7,139.66	7,098.21	92.64	31.14	-91.00	-67.59	-1,026.27	1,519.66	1,421.67	97.99	15.509		
10,200.00	7,102.54	7,136.10	7,094.65	95.28	31.14	-91.03	-67.58	-1,026.28	1,595.23	1,498.05	97.18	16.416		
10,300.00	7,101.66	7,136.65	7,095.21	97.94	31.14	-91.06	-67.58	-1,026.29	1,673.37	1,577.00	96.37	17.364		
10,400.00	7,100.79	7,137.20	7,095.76	100.60	31.14	-91.09	-67.57	-1,026.30	1,753.72	1,658.15	95.57	18.350		
10,500.00	7,099.91	7,137.75	7,096.30	103.27	31.15	-91.12	-67.57	-1,026.30	1,836.01	1,741.21	94.80	19.367		
10,600.00	7,099.03	7,138.29	7,096.84	105.95	31.15	-91.15	-67.56	-1,026.31	1,919.99	1,825.92	94.06	20.412		
10,700.00	7,098.15	7,138.82	7,097.37	108.64	31.15	-91.18	-67.56	-1,026.32	2,005.43	1,912.07	93.36	21.481		
10,800.00	7,097.28	7,139.35	7,097.91	111.33	31.15	-91.21	-67.55	-1,026.33	2,092.16	1,999.48	92.69	22.573		
10,900.00	7,096.40	7,139.88	7,098.43	114.04	31.16	-91.24	-67.55	-1,026.34	2,180.03	2,087.98	92.05	23.683		
11,000.00	7,095.52	7,140.41	7,098.96	116.74	31.16	-91.27	-67.54	-1,026.34	2,268.90	2,177.46	91.45	24.811		
11,100.00	7,094.64	7,140.93	7,099.48	119.46	31.16	-91.30	-67.54	-1,026.35	2,358.67	2,267.79	90.88	25.953		
11,200.00	7,093.77	7,141.44	7,099.99	122.18	31.16	-91.33	-67.53	-1,026.36	2,449.23	2,358.88	90.35	27.109		
11,300.00	7,092.89	7,141.95	7,100.51	124.91	31.16	-91.36	-67.53	-1,026.37	2,540.49	2,450.65	89.84	28.277		
11,400.00	7,092.01	7,142.46	7,101.01	127.64	31.17	-91.39	-67.52	-1,026.37	2,632.39	2,543.02	89.37	29.455		
11,500.00	7,091.13	7,142.97	7,101.52	130.38	31.17	-91.42	-67.52	-1,026.38	2,724.86	2,635.94	88.92	30.643		
11,600.00	7,090.26	7,143.47	7,102.02	133.12	31.17	-91.45	-67.51	-1,026.39	2,817.85	2,729.35	88.50	31.839		
11,700.00	7,089.38	7,143.96	7,102.52	135.86	31.17	-91.47	-67.51	-1,026.40	2,911.30	2,823.19	88.11	33.042		
11,800.00	7,088.50	7,144.46	7,103.01	138.61	31.17	-91.50	-67.50	-1,026.40	3,005.17	2,917.43	87.74	34.252		
11,900.00	7,087.63	7,144.95	7,103.50	141.36	31.18	-91.53	-67.50	-1,026.41	3,099.43	3,012.04	87.39	35.468		
12,000.00	7,086.75	7,145.43	7,103.99	144.12	31.18	-91.56	-67.49	-1,026.42	3,194.03	3,106.97	87.06	36.689		
12,100.00	7,085.87	7,145.92	7,104.47	146.88	31.18	-91.58	-67.49	-1,026.43	3,288.95	3,202.21	86.75	37.914		
12,200.00	7,084.99	7,146.40	7,104.95	149.64	31.18	-91.61	-67.48	-1,026.43	3,384.17	3,297.72	86.45	39.144		
12,300.00	7,084.12	7,146.87	7,105.42	152.40	31.18	-91.64	-67.48	-1,026.44	3,479.65	3,393.48	86.18	40.377		
12,400.00	7,083.24	7,147.34	7,105.90	155.17	31.19	-91.66	-67.47	-1,026.45	3,575.38	3,489.47	85.92	41.614		
12,500.00	7,082.36	7,147.81	7,106.37	157.94	31.19	-91.69	-67.47	-1,026.45	3,671.34	3,585.67	85.67	42.853		
12,600.00	7,081.48	7,148.28	7,106.83	160.71	31.19	-91.72	-67.46	-1,026.46	3,767.51	3,682.07	85.44	44.094		
12,700.00	7,080.61	7,148.74	7,107.29	163.49	31.19	-91.74	-67.46	-1,026.47	3,863.88	3,778.65	85.22	45.338		
12,800.00	7,079.73	7,149.20	7,107.75	166.27	31.19	-91.77	-67.46	-1,026.47	3,960.42	3,875.40	85.02	46.583		
12,900.00	7,078.85	7,149.66	7,108.21	169.04	31.20	-91.79	-67.45	-1,026.48	4,057.13	3,972.31	84.82	47.830		
13,000.00	7,077.97	7,150.11	7,108.66	171.83	31.20	-91.82	-67.45	-1,026.49	4,154.00	4,069.35	84.64	49.078		
13,100.00	7,077.10	7,150.56	7,109.11	174.61	31.20	-91.84	-67.44	-1,026.49	4,251.01	4,166.54	84.47	50.327		
13,200.00	7,076.22	7,151.01	7,109.56	177.39	31.20	-91.87	-67.44	-1,026.50	4,348.15	4,263.85	84.31	51.576		
13,300.00	7,075.34	7,151.45	7,110.00	180.18	31.20	-91.89	-67.43	-1,026.51	4,445.43	4,361.28	84.15	52.826		
13,400.00	7,074.46	7,151.89	7,110.44	182.97	31.21	-91.92	-67.43	-1,026.51	4,542.82	4,458.81	84.01	54.077		
13,500.00	7,073.59	7,152.33	7,110.88	185.76	31.21	-91.94	-67.43	-1,026.52	4,640.32	4,556.45	83.87	55.327		
13,600.00	7,072.71	7,152.76	7,111.31	188.55	31.21	-91.97	-67.42	-1,026.53	4,737.93	4,654.19	83.74	56.578		
13,700.00	7,071.83	7,153.19	7,111.74	191.34	31.21	-91.99	-67.42	-1,026.53	4,835.63	4,752.01	83.62	57.828		
13,800.00	7,070.95	7,153.62	7,112.17	194.14	31.21	-92.02	-67.41	-1,026.54	4,933.43	4,849.92	83.51	59.079		
13,900.00	7,070.08	7,154.05	7,112.60	196.93	31.21	-92.04	-67.41	-1,026.55	5,031.31	4,947.91	83.40	60.328		
14,000.00	7,069.20	7,154.47	7,113.02	199.73	31.22	-92.06	-67.41	-1,026.55	5,129.28	5,045.98	83.30	61.577		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,068.32	7,154.89	7,113.44	202.53	31.22	-92.09	-67.40	-1,026.56	5,227.32	5,144.12	83.20	62.826		
14,200.00	7,067.45	7,155.31	7,113.86	205.33	31.22	-92.11	-67.40	-1,026.56	5,325.43	5,242.32	83.11	64.073		
14,300.00	7,066.57	7,155.72	7,114.27	208.13	31.22	-92.13	-67.39	-1,026.57	5,423.62	5,340.58	83.03	65.320		
14,400.00	7,065.69	7,156.13	7,114.68	210.93	31.22	-92.16	-67.39	-1,026.58	5,521.86	5,438.91	82.95	66.566		
14,500.00	7,064.81	7,156.54	7,115.09	213.73	31.23	-92.18	-67.39	-1,026.58	5,620.18	5,537.29	82.88	67.810		
14,600.00	7,063.94	7,156.95	7,115.50	216.54	31.23	-92.20	-67.38	-1,026.59	5,718.54	5,635.73	82.81	69.053		
14,700.00	7,063.06	7,157.35	7,115.90	219.34	31.23	-92.23	-67.38	-1,026.59	5,816.97	5,734.22	82.75	70.295		
14,800.00	7,062.18	7,157.75	7,116.30	222.15	31.23	-92.25	-67.38	-1,026.60	5,915.45	5,832.75	82.69	71.536		
14,900.00	7,061.30	7,158.15	7,116.70	224.95	31.23	-92.27	-67.37	-1,026.60	6,013.97	5,931.33	82.64	72.775		
15,000.00	7,060.43	7,158.54	7,117.09	227.76	31.23	-92.29	-67.37	-1,026.61	6,112.55	6,029.96	82.59	74.013		
15,100.00	7,059.55	7,158.94	7,117.49	230.57	31.24	-92.31	-67.36	-1,026.62	6,211.17	6,128.63	82.54	75.249		
15,200.00	7,058.67	7,159.33	7,117.88	233.38	31.24	-92.34	-67.36	-1,026.62	6,309.83	6,227.33	82.50	76.483		
15,300.00	7,057.79	7,159.72	7,118.27	236.19	31.24	-92.36	-67.36	-1,026.63	6,408.54	6,326.08	82.46	77.715		
15,400.00	7,056.92	7,160.10	7,118.65	239.00	31.24	-92.38	-67.35	-1,026.63	6,507.28	6,424.86	82.43	78.946		
15,500.00	7,056.04	7,160.48	7,119.03	241.81	31.24	-92.40	-67.35	-1,026.64	6,606.07	6,523.67	82.40	80.175		
15,600.00	7,055.16	7,160.86	7,119.41	244.62	31.24	-92.42	-67.35	-1,026.64	6,704.88	6,622.52	82.37	81.402		
15,700.00	7,054.28	7,161.24	7,119.79	247.43	31.24	-92.44	-67.34	-1,026.65	6,803.74	6,721.39	82.34	82.627		
15,800.00	7,053.41	7,161.62	7,120.17	250.25	31.25	-92.46	-67.34	-1,026.65	6,902.62	6,820.30	82.32	83.850		
15,846.35	7,053.00	7,161.79	7,120.34	251.55	31.25	-92.47	-67.34	-1,026.66	6,948.47	6,866.15	82.31	84.416		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-78.94	182.54	-934.22	952.60					
100.00	100.00	57.71	57.71	3.28	3.29	-78.94	182.55	-934.33	952.01	945.44	6.57	144.852		
200.00	200.00	146.44	146.44	3.34	3.34	-78.95	182.71	-935.34	953.16	946.48	6.68	142.773		
300.00	299.98	270.60	270.59	3.44	3.47	-123.58	182.42	-936.34	954.94	948.02	6.92	138.063		
400.00	399.84	441.25	441.03	3.61	3.78	-124.22	178.40	-930.10	954.15	946.73	7.42	128.599		
500.00	499.45	593.29	592.01	3.81	4.16	-125.33	169.77	-914.65	948.04	939.98	8.05	117.698		
600.00	598.70	749.27	745.45	4.06	4.70	-127.02	155.97	-890.46	938.29	929.45	8.84	106.151		
700.00	697.47	853.65	847.32	4.35	5.14	-128.52	144.69	-870.69	927.37	917.91	9.46	98.041		
800.00	795.62	963.57	954.57	4.66	5.66	-130.26	132.88	-849.66	919.03	908.86	10.18	90.305		
817.50	812.73	985.92	976.29	4.73	5.78	-130.64	130.40	-845.07	917.61	907.29	10.32	88.886		
900.00	893.32	1,086.76	1,073.95	5.01	6.32	-132.27	119.07	-822.64	909.89	898.87	11.02	82.542		
1,000.00	991.01	1,182.17	1,166.33	5.38	6.87	-133.78	109.37	-800.84	900.74	888.96	11.78	76.462		
1,100.00	1,088.69	1,288.15	1,268.56	5.77	7.51	-135.53	97.82	-775.42	891.09	878.46	12.64	70.522		
1,200.00	1,186.38	1,384.58	1,361.42	6.18	8.12	-137.26	85.74	-752.42	882.35	868.85	13.50	65.379		
1,300.00	1,284.06	1,470.16	1,443.66	6.60	8.68	-138.89	73.89	-731.88	874.41	860.06	14.35	60.933		
1,400.00	1,381.75	1,549.79	1,520.36	7.03	9.21	-140.50	61.66	-714.35	869.37	854.15	15.22	57.126		
1,500.00	1,479.44	1,632.28	1,599.60	7.47	9.76	-142.32	46.65	-697.10	866.75	850.60	16.15	53.666		
1,538.54	1,517.09	1,662.09	1,628.16	7.64	9.96	-143.03	40.45	-691.13	866.51	850.00	16.51	52.475 CC, ES		
1,600.00	1,577.12	1,711.08	1,674.91	7.91	10.30	-144.24	29.33	-681.68	867.12	850.00	17.11	50.665		
1,700.00	1,674.81	1,793.79	1,753.51	8.37	10.88	-146.40	8.72	-666.20	870.31	852.15	18.15	47.938		
1,800.00	1,772.49	1,873.97	1,829.32	8.82	11.46	-148.58	-13.09	-651.89	876.48	857.26	19.22	45.608		
1,900.00	1,870.18	1,967.70	1,917.11	9.28	12.16	-151.25	-41.15	-634.91	884.98	864.54	20.44	43.287		
2,000.00	1,967.87	2,052.15	1,995.06	9.75	12.85	-153.80	-69.40	-618.83	895.76	874.09	21.66	41.349		
2,100.00	2,065.55	2,133.58	2,069.27	10.22	13.55	-156.35	-98.92	-602.98	909.44	886.55	22.89	39.734		
2,200.00	2,163.24	2,239.00	2,164.90	10.69	14.49	-159.62	-137.69	-581.45	925.09	900.68	24.41	37.900		
2,300.00	2,260.92	2,322.07	2,240.55	11.16	15.24	-162.08	-167.47	-564.38	942.76	917.09	25.67	36.731		
2,400.00	2,358.61	2,422.33	2,332.11	11.64	16.16	-164.92	-202.15	-542.80	961.36	934.25	27.11	35.455		
2,500.00	2,456.30	2,488.53	2,392.74	12.12	16.76	-166.71	-225.04	-529.29	982.93	954.81	28.13	34.947		
2,600.00	2,553.98	2,581.79	2,478.44	12.59	17.60	-169.11	-257.09	-511.25	1,007.07	977.63	29.44	34.208		
2,700.00	2,651.67	2,658.46	2,548.30	13.08	18.32	-171.09	-284.62	-495.76	1,033.15	1,002.61	30.54	33.825		
2,800.00	2,749.35	2,721.36	2,604.55	13.56	18.95	-172.77	-309.39	-482.43	1,062.32	1,030.86	31.46	33.765		
2,900.00	2,847.04	2,788.39	2,663.38	14.04	19.65	-174.61	-338.09	-468.01	1,095.09	1,062.68	32.41	33.784		
3,000.00	2,944.72	2,879.40	2,743.01	14.52	20.61	-177.02	-377.66	-448.59	1,130.32	1,096.61	33.72	33.523		
3,100.00	3,042.41	2,974.97	2,828.41	15.01	21.58	-179.24	-415.89	-429.15	1,165.53	1,130.48	35.05	33.258		
3,200.00	3,140.10	3,045.29	2,891.33	15.50	22.29	-179.21	-444.06	-415.31	1,202.57	1,166.63	35.95	33.455		
3,300.00	3,237.78	3,113.35	2,951.99	15.98	22.98	-177.78	-472.15	-402.50	1,242.09	1,205.31	36.78	33.768		
3,400.00	3,335.47	3,252.74	3,077.62	16.47	24.36	-175.13	-526.60	-376.51	1,281.31	1,242.62	38.70	33.111		
3,500.00	3,433.15	3,368.00	3,183.21	16.96	25.47	-173.21	-567.21	-354.45	1,318.40	1,278.21	40.19	32.808		
3,600.00	3,530.84	3,442.17	3,251.18	17.45	26.17	-172.04	-593.12	-339.99	1,355.92	1,314.86	41.06	33.021		
3,700.00	3,628.53	3,567.62	3,367.12	17.94	27.33	-170.27	-635.20	-317.09	1,393.82	1,351.18	42.64	32.692		
3,800.00	3,726.21	3,631.04	3,425.66	18.43	27.92	-169.41	-656.45	-305.15	1,431.76	1,388.42	43.34	33.033		
3,900.00	3,823.90	3,690.90	3,480.64	18.92	28.49	-168.60	-677.33	-293.94	1,471.52	1,427.53	43.99	33.455		
4,000.00	3,921.58	3,772.91	3,555.56	19.41	29.27	-167.54	-707.22	-279.20	1,513.31	1,468.38	44.93	33.680		
4,100.00	4,019.27	3,880.94	3,655.38	19.90	30.27	-166.30	-744.27	-260.89	1,554.30	1,508.06	46.24	33.613		
4,200.00	4,116.96	3,944.25	3,713.79	20.39	30.86	-165.60	-766.10	-249.96	1,595.86	1,548.96	46.90	34.024		
4,300.00	4,214.64	3,999.00	3,763.64	20.88	31.39	-164.97	-786.53	-240.26	1,639.75	1,592.32	47.43	34.574		
4,400.00	4,312.33	4,062.04	3,820.49	21.37	32.03	-164.24	-811.29	-228.82	1,685.48	1,637.40	48.08	35.056		
4,500.00	4,410.01	4,134.74	3,885.70	21.87	32.77	-163.41	-840.47	-215.42	1,732.29	1,683.41	48.88	35.439		
4,600.00	4,507.70	4,266.39	4,003.55	22.36	34.15	-161.96	-893.25	-189.84	1,779.41	1,728.79	50.62	35.155		
4,700.00	4,605.39	4,343.94	4,073.18	22.85	34.96	-161.14	-923.41	-173.81	1,825.24	1,773.74	51.50	35.440		
4,800.00	4,703.07	4,426.52	4,147.34	23.35	35.82	-160.30	-955.60	-157.01	1,871.63	1,819.16	52.47	35.672		
4,900.00	4,800.76	4,493.72	4,207.28	23.84	36.54	-159.62	-982.34	-142.61	1,918.72	1,865.53	53.19	36.072		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,569.35	4,274.57	24.33	37.35	158.89	-1,013.06	-126.82	1,966.99	1,912.94	54.05	36.394		
5,100.00	4,996.13	4,649.20	4,345.82	24.83	38.21	158.16	-1,045.20	-110.51	2,015.40	1,960.43	54.97	36.664		
5,200.00	5,093.82	4,711.00	4,400.47	25.32	38.89	157.59	-1,070.94	-97.45	2,065.03	2,009.43	55.60	37.140		
5,300.00	5,191.50	4,813.85	4,581.26	25.82	41.08	155.85	-1,151.17	-52.68	2,113.21	2,054.79	58.42	36.175		
5,400.00	5,289.19	4,997.90	4,657.40	26.31	41.94	155.22	-1,181.77	-34.47	2,158.83	2,099.44	59.38	36.355		
5,500.00	5,386.87	5,067.00	4,720.22	26.81	42.64	154.75	-1,206.99	-20.59	2,205.13	2,145.01	60.13	36.675		
5,600.00	5,484.56	5,117.57	4,766.06	27.30	43.16	154.42	-1,225.93	-10.77	2,252.64	2,192.04	60.60	37.175		
5,700.00	5,582.25	5,234.96	4,871.97	27.80	44.36	153.66	-1,271.06	12.17	2,301.40	2,239.36	62.04	37.096		
5,800.00	5,679.93	5,707.60	5,321.73	28.29	48.02	152.05	-1,393.63	81.71	2,335.23	2,267.95	67.28	34.710		
5,900.00	5,777.62	5,836.34	5,448.23	28.79	48.73	151.95	-1,414.78	92.75	2,367.02	2,298.57	68.44	34.583		
6,000.00	5,875.30	6,079.78	5,689.80	29.28	49.79	152.06	-1,441.39	105.41	2,394.11	2,323.89	70.22	34.095		
6,100.00	5,972.99	6,287.76	5,897.44	29.78	50.46	152.38	-1,451.12	110.74	2,416.53	2,345.02	71.51	33.792		
6,200.00	6,070.67	6,426.97	6,036.65	30.27	50.80	152.68	-1,452.31	111.37	2,436.25	2,363.82	72.43	33.636		
6,300.00	6,168.36	6,558.57	6,168.22	30.77	51.04	153.04	-1,450.60	109.72	2,454.52	2,381.24	73.27	33.497		
6,400.00	6,266.05	6,676.85	6,286.41	31.26	51.24	153.40	-1,447.22	106.79	2,471.78	2,397.71	74.07	33.369		
6,500.00	6,363.73	6,753.78	6,363.27	31.76	51.36	153.65	-1,444.84	104.18	2,489.17	2,414.38	74.79	33.284		
6,534.50	6,397.43	6,762.00	6,371.47	31.93	51.37	153.67	-1,444.62	103.87	2,495.45	2,420.46	74.99	33.278		
6,550.00	6,412.60	6,783.74	6,393.19	32.01	51.42	158.79	-1,444.12	103.11	2,498.18	2,423.06	75.12	33.254		
6,600.00	6,461.82	6,811.51	6,420.95	32.24	51.47	-178.80	-1,443.78	102.34	2,506.60	2,431.18	75.42	33.235		
6,650.00	6,511.25	6,853.00	6,462.43	32.45	51.55	-149.12	-1,443.89	101.64	2,514.14	2,438.42	75.71	33.207		
6,700.00	6,560.58	6,892.39	6,501.82	32.64	51.64	-123.62	-1,444.20	101.15	2,520.42	2,444.46	75.97	33.178		
6,750.00	6,609.51	6,750.00	6,552.86	32.83	51.33	-107.63	-1,444.19	100.31	2,525.01	2,449.23	75.77	33.324		
6,800.00	6,657.74	6,983.47	6,592.89	33.01	51.84	-98.14	-1,444.20	99.59	2,528.26	2,451.82	76.44	33.077		
6,850.00	6,704.97	7,012.84	6,622.25	33.18	51.90	-92.23	-1,444.49	99.08	2,530.49	2,453.91	76.58	33.044		
6,900.00	6,750.90	7,042.38	6,651.78	33.36	51.97	-88.41	-1,445.01	98.61	2,531.71	2,455.00	76.71	33.006		
6,950.00	6,795.26	7,072.17	6,681.57	33.54	52.06	-85.89	-1,445.78	98.35	2,531.90	2,455.09	76.82	32.960		
7,000.00	6,837.77	7,100.41	6,709.78	33.73	52.14	-84.23	-1,446.75	98.34	2,531.15	2,454.24	76.91	32.911		
7,050.00	6,878.17	7,137.36	6,746.70	33.92	52.24	-83.32	-1,448.29	98.58	2,529.49	2,452.47	77.03	32.839		
7,100.00	6,916.21	7,208.12	6,817.42	34.13	52.44	-83.39	-1,450.42	98.04	2,526.57	2,449.28	77.28	32.693		
7,150.00	6,951.66	7,265.84	6,875.13	34.36	52.57	-83.69	-1,451.25	96.63	2,522.38	2,444.91	77.47	32.561		
7,200.00	6,984.29	7,356.12	6,965.32	34.61	52.75	-84.90	-1,450.93	93.06	2,517.09	2,439.35	77.73	32.381		
7,250.00	7,013.91	7,409.20	7,018.30	34.89	52.85	-85.79	-1,449.48	90.07	2,510.48	2,432.58	77.91	32.224		
7,300.00	7,040.34	7,434.08	7,043.15	35.20	52.90	-86.39	-1,448.86	89.09	2,503.52	2,425.49	78.03	32.083		
7,350.00	7,063.40	7,454.93	7,063.99	35.55	52.94	-87.05	-1,448.43	88.58	2,496.39	2,418.22	78.17	31.934		
7,400.00	7,082.97	7,471.86	7,080.92	35.94	52.97	-87.74	-1,448.14	88.38	2,489.24	2,410.91	78.33	31.778		
7,450.00	7,098.91	7,490.03	7,099.09	36.36	53.00	-88.53	-1,447.86	88.25	2,482.18	2,403.65	78.53	31.609		
7,500.00	7,111.13	7,505.14	7,114.19	36.83	53.04	-89.31	-1,447.60	88.09	2,475.31	2,396.56	78.75	31.434		
7,550.00	7,119.55	7,516.07	7,125.12	37.34	53.06	-90.03	-1,447.40	87.94	2,468.73	2,389.75	78.99	31.255		
7,600.00	7,124.13	7,522.59	7,131.64	37.88	53.07	-90.68	-1,447.27	87.84	2,462.54	2,383.30	79.24	31.077		
7,639.68	7,125.00	7,524.47	7,133.51	38.33	53.07	-91.12	-1,447.23	87.81	2,457.95	2,378.50	79.45	30.937		
7,700.00	7,124.48	7,525.05	7,134.09	39.05	53.08	-91.14	-1,447.22	87.80	2,451.95	2,372.14	79.80	30.724		
7,800.00	7,123.60	7,526.05	7,135.09	40.40	53.08	-91.16	-1,447.20	87.78	2,445.24	2,364.72	80.52	30.368		
7,900.00	7,122.72	7,527.12	7,136.16	41.90	53.08	-91.19	-1,447.18	87.76	2,442.60	2,361.23	81.38	30.016		
7,914.34	7,122.60	7,527.28	7,136.32	42.13	53.08	-91.19	-1,447.18	87.76	2,442.56	2,361.05	81.52	29.964		
8,000.00	7,121.84	7,528.26	7,137.30	43.54	53.08	-91.21	-1,447.16	87.74	2,444.06	2,361.71	82.35	29.679		
8,100.00	7,120.97	7,529.48	7,138.52	45.30	53.08	-91.24	-1,447.13	87.72	2,449.61	2,366.18	83.43	29.362		
8,200.00	7,120.09	7,530.78	7,139.82	47.17	53.09	-91.27	-1,447.11	87.69	2,459.21	2,374.62	84.59	29.073		
8,300.00	7,119.21	7,532.18	7,141.22	49.13	53.09	-91.30	-1,447.08	87.67	2,472.82	2,387.00	85.81	28.816		
8,400.00	7,118.33	7,533.68	7,142.72	51.18	53.09	-91.34	-1,447.05	87.64	2,490.37	2,403.28	87.09	28.595		
8,500.00	7,117.46	7,535.31	7,144.35	53.30	53.10	-91.38	-1,447.01	87.61	2,511.78	2,423.38	88.41	28.411		
8,600.00	7,116.58	7,537.06	7,146.10	55.48	53.10	-91.42	-1,446.98	87.57	2,536.96	2,447.21	89.75	28.267		
8,700.00	7,115.70	7,538.97	7,148.01	57.72	53.10	-91.46	-1,446.94	87.53	2,565.79	2,474.69	91.11	28.163		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	7,541.05	7,150.08	60.02	53.11	-91.51	-1,446.89	87.49	2,598.15	2,505.69	92.47	28.098		
8,900.00	7,113.95	7,543.32	7,152.36	62.36	53.11	-91.57	-1,446.84	87.44	2,633.91	2,540.09	93.82	28.073		
9,000.00	7,113.07	7,545.81	7,154.85	64.74	53.12	-91.62	-1,446.79	87.38	2,672.94	2,577.77	95.17	28.086		
9,100.00	7,112.19	7,548.57	7,157.60	67.15	53.12	-91.69	-1,446.73	87.32	2,715.08	2,618.59	96.50	28.136		
9,200.00	7,111.31	7,551.62	7,160.65	69.60	53.13	-91.76	-1,446.66	87.25	2,760.21	2,662.41	97.80	28.222		
9,300.00	7,110.44	7,555.02	7,164.05	72.08	53.14	-91.84	-1,446.58	87.17	2,808.17	2,709.10	99.08	28.343		
9,400.00	7,109.56	7,558.84	7,167.87	74.58	53.14	-91.93	-1,446.49	87.07	2,858.83	2,758.51	100.32	28.498		
9,500.00	7,108.68	7,563.16	7,172.19	77.10	53.15	-92.03	-1,446.39	86.96	2,912.03	2,810.51	101.52	28.684		
9,600.00	7,107.81	7,568.08	7,177.10	79.65	53.16	-92.15	-1,446.28	86.83	2,967.66	2,864.97	102.69	28.900		
9,700.00	7,106.93	7,573.73	7,182.75	82.22	53.17	-92.28	-1,446.14	86.67	3,025.56	2,921.75	103.81	29.145		
9,800.00	7,106.05	9,800.00	7,144.92	84.80	57.78	-91.39	-1,446.92	87.41	3,085.53	2,973.41	112.11	27.521 SF		
9,900.00	7,105.17	9,900.00	7,145.51	87.40	57.99	-91.41	-1,446.91	87.40	3,147.63	3,034.21	113.41	27.753		
10,000.00	7,104.30	10,000.00	7,146.10	90.02	58.20	-91.42	-1,446.90	87.39	3,211.64	3,096.98	114.66	28.009		
10,100.00	7,103.42	10,100.00	7,146.69	92.64	58.41	-91.43	-1,446.89	87.38	3,277.45	3,161.59	115.86	28.288		
10,200.00	7,102.54	10,200.00	7,147.29	95.28	58.62	-91.45	-1,446.88	87.37	3,344.96	3,227.95	117.01	28.587		
10,300.00	7,101.66	10,300.00	7,147.88	97.94	58.83	-91.46	-1,446.87	87.36	3,414.07	3,295.96	118.11	28.906		
10,400.00	7,100.79	10,400.00	7,148.47	100.60	59.04	-91.48	-1,446.86	87.35	3,484.67	3,365.51	119.16	29.243		
10,500.00	7,099.91	7,587.32	7,196.33	103.27	53.20	-92.60	-1,445.80	86.32	3,556.68	3,445.45	111.23	31.976		
10,600.00	7,099.03	7,590.08	7,199.09	105.95	53.20	-92.66	-1,445.73	86.24	3,630.01	3,518.04	111.97	32.419		
10,700.00	7,098.15	7,592.90	7,201.91	108.64	53.21	-92.73	-1,445.66	86.16	3,704.58	3,591.90	112.67	32.879		
10,800.00	7,097.28	7,595.77	7,204.77	111.33	53.22	-92.80	-1,445.58	86.08	3,780.32	3,666.98	113.34	33.354		
10,900.00	7,096.40	7,598.68	7,207.69	114.04	53.22	-92.86	-1,445.51	86.00	3,857.17	3,743.20	113.97	33.843		
11,000.00	7,095.52	7,601.66	7,210.66	116.74	53.23	-92.93	-1,445.43	85.91	3,935.06	3,820.49	114.57	34.346		
11,100.00	7,094.64	7,604.68	7,213.68	119.46	53.23	-93.01	-1,445.35	85.83	4,013.92	3,898.78	115.14	34.862		
11,200.00	7,093.77	7,607.77	7,216.76	122.18	53.24	-93.08	-1,445.26	85.74	4,093.71	3,978.03	115.68	35.389		
11,300.00	7,092.89	7,610.91	7,219.90	124.91	53.24	-93.15	-1,445.18	85.65	4,174.37	4,058.18	116.19	35.928		
11,400.00	7,092.01	7,614.11	7,223.10	127.64	53.25	-93.23	-1,445.09	85.56	4,255.84	4,139.17	116.67	36.477		
11,500.00	7,091.13	7,617.38	7,226.37	130.38	53.26	-93.30	-1,445.00	85.46	4,338.09	4,220.96	117.13	37.036		
11,600.00	7,090.26	7,620.71	7,229.69	133.12	53.26	-93.38	-1,444.90	85.36	4,421.07	4,303.51	117.57	37.604		
11,700.00	7,089.38	7,624.10	7,233.08	135.86	53.27	-93.46	-1,444.81	85.26	4,504.74	4,386.76	117.98	38.181		
11,800.00	7,088.50	7,627.56	7,236.54	138.61	53.28	-93.54	-1,444.71	85.16	4,589.07	4,470.69	118.38	38.767		
11,900.00	7,087.63	7,631.09	7,240.07	141.36	53.28	-93.62	-1,444.61	85.05	4,674.01	4,555.26	118.75	39.360		
12,000.00	7,086.75	7,634.69	7,243.67	144.12	53.29	-93.71	-1,444.50	84.94	4,759.53	4,640.42	119.11	39.960		
12,100.00	7,085.87	7,638.37	7,247.34	146.88	53.30	-93.79	-1,444.39	84.83	4,845.61	4,726.16	119.44	40.568		
12,200.00	7,084.99	7,642.12	7,251.09	149.64	53.30	-93.88	-1,444.28	84.72	4,932.21	4,812.44	119.77	41.182		
12,300.00	7,084.12	12,300.00	7,277.82	152.40	62.22	-94.51	-1,443.41	83.81	5,019.26	4,887.05	132.21	37.964		
12,400.00	7,083.24	12,400.00	7,280.29	155.17	62.42	-94.57	-1,443.33	83.72	5,106.82	4,974.12	132.69	38.486		
12,500.00	7,082.36	12,500.00	7,282.76	157.94	62.62	-94.62	-1,443.25	83.64	5,194.82	5,061.66	133.16	39.011		
12,600.00	7,081.48	12,600.00	7,285.23	160.71	62.82	-94.68	-1,443.17	83.55	5,283.25	5,149.63	133.62	39.539		
12,700.00	7,080.61	7,702.19	7,311.08	163.49	53.41	-95.29	-1,442.28	82.60	5,372.09	5,250.92	121.17	44.334		
12,800.00	7,079.73	7,705.01	7,313.91	166.27	53.42	-95.35	-1,442.18	82.50	5,461.30	5,339.88	121.42	44.980		
12,900.00	7,078.85	7,707.84	7,316.73	169.04	53.42	-95.42	-1,442.08	82.39	5,550.87	5,429.22	121.65	45.630		
13,000.00	7,077.97	7,710.67	7,319.55	171.83	53.43	-95.49	-1,441.98	82.28	5,640.80	5,518.92	121.87	46.284		
13,100.00	7,077.10	7,713.49	7,322.37	174.61	53.44	-95.55	-1,441.88	82.17	5,731.05	5,608.97	122.09	46.942		
13,200.00	7,076.22	7,716.32	7,325.19	177.39	53.44	-95.62	-1,441.78	82.06	5,821.63	5,699.34	122.29	47.604		
13,300.00	7,075.34	7,719.14	7,328.02	180.18	53.45	-95.68	-1,441.68	81.95	5,912.51	5,790.02	122.49	48.269		
13,400.00	7,074.46	7,721.97	7,330.84	182.97	53.45	-95.75	-1,441.58	81.84	6,003.67	5,880.99	122.68	48.938		
13,500.00	7,073.59	7,724.79	7,333.66	185.76	53.46	-95.82	-1,441.48	81.73	6,095.11	5,972.25	122.86	49.609		
13,600.00	7,072.71	7,727.62	7,336.48	188.55	53.46	-95.88	-1,441.38	81.63	6,186.82	6,063.78	123.04	50.284		
13,700.00	7,071.83	7,730.45	7,339.30	191.34	53.47	-95.95	-1,441.28	81.52	6,278.77	6,155.57	123.21	50.961		
13,800.00	7,070.95	7,733.27	7,342.12	194.14	53.47	-96.01	-1,441.18	81.41	6,370.97	6,247.60	123.37	51.641		
13,900.00	7,070.08	7,736.10	7,344.95	196.93	53.48	-96.08	-1,441.08	81.30	6,463.40	6,339.87	123.53	52.324		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-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		
14,000.00	7,069.20	7,738.92	7,347.77	199.73	53.48	-96.14	-1,440.98	81.19	6,556.05	6,432.37	123.68	53.008		
14,100.00	7,068.32	7,741.75	7,350.59	202.53	53.49	-96.21	-1,440.88	81.08	6,648.91	6,525.09	123.83	53.695		
14,200.00	7,067.45	7,744.57	7,353.41	205.33	53.49	-96.28	-1,440.78	80.97	6,741.98	6,618.01	123.97	54.385		
14,300.00	7,066.57	7,740.00	7,348.84	208.13	53.48	-96.17	-1,440.94	81.15	6,835.24	6,711.14	124.10	55.077		
14,400.00	7,065.69	7,740.00	7,348.84	210.93	53.48	-96.17	-1,440.94	81.15	6,928.69	6,804.45	124.24	55.770		
14,500.00	7,064.81	7,740.00	7,348.84	213.73	53.48	-96.17	-1,440.94	81.15	7,022.32	6,897.95	124.36	56.465		
14,600.00	7,063.94	7,740.00	7,348.84	216.54	53.48	-96.17	-1,440.94	81.15	7,116.12	6,991.63	124.49	57.162		
14,700.00	7,063.06	7,740.00	7,348.84	219.34	53.48	-96.17	-1,440.94	81.15	7,210.09	7,085.48	124.61	57.861		
14,800.00	7,062.18	7,740.00	7,348.84	222.15	53.48	-96.17	-1,440.94	81.15	7,304.22	7,179.49	124.73	58.561		
14,900.00	7,061.30	7,740.00	7,348.84	224.95	53.48	-96.17	-1,440.94	81.15	7,398.51	7,273.66	124.84	59.263		
15,000.00	7,060.43	7,740.00	7,348.84	227.76	53.48	-96.17	-1,440.94	81.15	7,492.94	7,367.99	124.95	59.966		
15,100.00	7,059.55	7,740.00	7,348.84	230.57	53.48	-96.17	-1,440.94	81.15	7,587.51	7,462.45	125.06	60.670		
15,200.00	7,058.67	7,740.00	7,348.84	233.38	53.48	-96.17	-1,440.94	81.15	7,682.23	7,557.06	125.17	61.375		
15,300.00	7,057.79	7,740.00	7,348.84	236.19	53.48	-96.17	-1,440.94	81.15	7,777.07	7,651.80	125.27	62.082		
15,400.00	7,056.92	7,740.00	7,348.84	239.00	53.48	-96.17	-1,440.94	81.15	7,872.04	7,746.67	125.37	62.789		
15,500.00	7,056.04	7,740.00	7,348.84	241.81	53.48	-96.17	-1,440.94	81.15	7,967.14	7,841.67	125.47	63.498		
15,600.00	7,055.16	7,740.00	7,348.84	244.62	53.48	-96.17	-1,440.94	81.15	8,062.35	7,936.79	125.57	64.207		
15,700.00	7,054.28	7,740.00	7,348.84	247.43	53.48	-96.17	-1,440.94	81.15	8,157.68	8,032.02	125.66	64.918		
15,800.00	7,053.41	7,740.00	7,348.84	250.25	53.48	-96.17	-1,440.94	81.15	8,253.12	8,127.37	125.75	65.629		
15,846.35	7,053.00	7,740.00	7,348.84	251.55	53.48	-96.17	-1,440.94	81.15	8,297.39	8,171.59	125.80	65.959		



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-77.28	213.13	-943.96	968.43					
100.00	100.00	60.76	60.76	3.28	3.29	-77.27	213.18	-944.00	967.77	961.20	6.57	147.237	CC, ES	
200.00	200.00	155.99	155.99	3.34	3.34	-77.26	213.55	-944.38	968.25	961.57	6.68	144.922		
300.00	299.98	253.15	253.15	3.44	3.45	-121.80	214.27	-945.09	970.04	963.15	6.90	140.645		
400.00	399.84	349.45	349.43	3.61	3.61	-121.95	215.18	-946.09	974.03	966.82	7.21	135.094		
500.00	499.45	453.25	453.22	3.81	3.82	-122.25	216.18	-947.07	979.80	972.18	7.62	128.508		
600.00	598.70	552.04	552.01	4.06	4.06	-122.68	216.94	-947.86	987.32	979.22	8.11	121.776		
700.00	697.47	650.20	650.16	4.35	4.32	-123.23	217.80	-948.74	996.96	988.30	8.65	115.193		
800.00	795.62	747.39	747.34	4.66	4.61	-123.94	217.64	-949.77	1,008.67	999.42	9.25	109.029		
817.50	812.73	763.82	763.78	4.73	4.66	-124.08	217.47	-949.99	1,010.97	1,001.61	9.36	108.005		
900.00	893.32	845.67	845.61	5.01	4.91	-124.97	216.31	-951.12	1,022.08	1,012.19	9.89	103.322		
1,000.00	991.01	950.23	950.10	5.38	5.25	-126.18	213.17	-952.20	1,035.31	1,024.72	10.59	97.800		
1,100.00	1,088.69	1,046.71	1,046.37	5.77	5.57	-127.45	206.77	-953.37	1,048.72	1,037.43	11.29	92.920		
1,200.00	1,186.38	1,132.66	1,132.08	6.18	5.87	-128.58	200.54	-954.83	1,063.06	1,051.08	11.98	88.762		
1,300.00	1,284.06	1,213.02	1,212.07	6.60	6.17	-129.70	193.34	-957.31	1,079.16	1,066.49	12.67	85.197		
1,400.00	1,381.75	1,291.88	1,290.29	7.03	6.48	-130.88	184.09	-961.04	1,097.28	1,083.92	13.37	82.085		
1,500.00	1,479.44	1,391.22	1,388.39	7.47	6.89	-132.47	169.53	-966.74	1,117.03	1,102.85	14.18	78.762		
1,600.00	1,577.12	1,519.57	1,514.79	7.91	7.45	-134.61	147.70	-971.27	1,135.54	1,120.37	15.17	74.861		
1,700.00	1,674.81	1,596.15	1,589.94	8.37	7.80	-135.91	133.18	-973.37	1,154.22	1,138.30	15.92	72.493		
1,800.00	1,772.49	1,681.39	1,673.12	8.82	8.22	-137.43	114.80	-976.27	1,174.64	1,157.91	16.74	70.175		
1,900.00	1,870.18	1,813.01	1,800.63	9.28	8.91	-139.90	82.29	-978.31	1,194.68	1,176.81	17.87	66.866		
2,000.00	1,967.87	1,911.81	1,895.55	9.75	9.46	-141.83	54.91	-977.38	1,214.06	1,195.23	18.83	64.465		
2,100.00	2,065.55	1,995.38	1,975.22	10.22	9.96	-143.51	29.69	-976.16	1,234.68	1,214.95	19.73	62.586		
2,200.00	2,163.24	2,070.53	2,046.15	10.69	10.44	-145.08	4.88	-975.25	1,257.43	1,236.85	20.58	61.101		
2,300.00	2,260.92	2,133.00	2,104.49	11.16	10.86	-146.43	-17.43	-974.77	1,282.69	1,261.35	21.33	60.125		
2,400.00	2,358.61	2,189.25	2,156.51	11.64	11.27	-147.66	-38.84	-975.13	1,311.26	1,289.22	22.04	59.508		
2,500.00	2,456.30	2,244.81	2,207.37	12.12	11.69	-148.88	-61.13	-976.76	1,343.56	1,320.86	22.71	59.165		
2,600.00	2,553.98	2,315.44	2,271.50	12.59	12.25	-150.43	-90.61	-979.32	1,378.50	1,354.98	23.52	58.603		
2,700.00	2,651.67	2,405.10	2,352.55	13.08	12.99	-152.35	-128.82	-982.31	1,414.99	1,390.46	24.54	57.662		
2,800.00	2,749.35	2,463.33	2,405.16	13.56	13.48	-153.55	-153.69	-984.62	1,453.39	1,428.17	25.22	57.638		
2,900.00	2,847.04	2,532.69	2,467.81	14.04	14.07	-154.92	-183.20	-988.34	1,494.06	1,468.06	26.00	57.464		
3,000.00	2,944.72	2,607.30	2,535.21	14.52	14.72	-156.33	-214.91	-992.72	1,536.28	1,509.44	26.83	57.250		
3,100.00	3,042.41	2,678.15	2,599.16	15.01	15.35	-157.60	-245.07	-997.22	1,579.92	1,552.31	27.62	57.204		
3,200.00	3,140.10	2,740.55	2,655.30	15.50	15.91	-158.69	-271.94	-1,001.65	1,625.30	1,597.01	28.29	57.442		
3,300.00	3,237.78	2,827.90	2,733.78	15.98	16.71	-160.15	-309.72	-1,008.20	1,671.94	1,642.68	29.27	57.125		
3,400.00	3,335.47	2,921.68	2,818.37	16.47	17.57	-161.62	-349.67	-1,014.87	1,718.82	1,688.51	30.32	56.697		
3,500.00	3,433.15	3,004.60	2,893.23	16.96	18.33	-162.87	-384.90	-1,020.37	1,766.06	1,734.83	31.23	56.551		
3,600.00	3,530.84	3,114.01	2,992.28	17.45	19.34	-164.42	-430.90	-1,027.04	1,813.43	1,780.97	32.46	55.865		
3,700.00	3,628.53	3,226.84	3,095.49	17.94	20.36	-165.88	-476.12	-1,032.74	1,859.57	1,825.85	33.72	55.149		
3,800.00	3,726.21	3,308.27	3,169.80	18.43	21.10	-166.90	-509.22	-1,036.24	1,906.16	1,871.56	34.60	55.092		
3,900.00	3,823.90	3,410.93	3,264.02	18.92	22.02	-168.10	-549.73	-1,040.68	1,952.64	1,916.91	35.73	54.651		
4,000.00	3,921.58	3,491.78	3,338.33	19.41	22.75	-169.01	-581.46	-1,043.81	1,999.19	1,962.59	36.60	54.628		
4,100.00	4,019.27	3,568.03	3,408.22	19.90	23.44	-169.83	-611.77	-1,046.96	2,046.63	2,009.22	37.41	54.712		
4,200.00	4,116.96	3,669.32	3,501.37	20.39	24.35	-170.87	-651.33	-1,050.95	2,093.95	2,055.44	38.51	54.371		
4,300.00	4,214.64	3,729.00	3,556.35	20.88	24.89	-171.45	-674.43	-1,053.35	2,141.64	2,102.52	39.12	54.745		
4,400.00	4,312.33	3,784.68	3,607.44	21.37	25.40	-171.98	-696.40	-1,056.06	2,190.68	2,151.01	39.68	55.214		
4,500.00	4,410.01	3,837.44	3,655.48	21.87	25.89	-172.47	-717.97	-1,059.29	2,241.50	2,201.31	40.19	55.772		
4,600.00	4,507.70	3,918.36	3,728.82	22.36	26.66	-173.23	-751.84	-1,063.92	2,293.05	2,252.00	41.06	55.851		
4,700.00	4,605.39	3,995.22	3,798.28	22.85	27.40	-173.93	-784.52	-1,067.92	2,345.01	2,303.14	41.88	55.998		
4,800.00	4,703.07	4,092.39	3,885.98	23.35	28.34	-174.81	-826.11	-1,072.38	2,397.09	2,354.13	42.95	55.806		
4,900.00	4,800.76	4,199.88	3,983.34	23.84	29.38	-175.72	-871.42	-1,077.02	2,448.94	2,404.79	44.15	55.463		
5,000.00	4,898.44	4,305.39	4,079.64	24.33	30.37	-176.55	-914.38	-1,080.76	2,499.55	2,454.23	45.32	55.152		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,379.59	4,147.11	24.83	31.08	-177.13	-945.17	-1,083.15	2,550.80	2,504.70	46.10	55.327		
5,200.00	5,093.82	4,479.23	4,237.98	25.32	32.02	-177.87	-985.93	-1,086.22	2,601.83	2,554.64	47.20	55.128		
5,300.00	5,191.50	4,565.74	4,317.24	25.82	32.82	-178.45	-1,020.41	-1,089.75	2,653.00	2,604.88	48.12	55.133		
5,400.00	5,289.19	4,673.97	4,417.12	26.31	33.80	-179.10	-1,061.72	-1,095.30	2,703.85	2,654.56	49.29	54.859		
5,500.00	5,386.87	4,784.07	4,515.13	26.81	35.42	-179.96	-1,127.42	-1,106.50	2,752.97	2,701.64	51.33	53.635		
5,600.00	5,484.56	5,018.33	4,741.36	27.30	36.64	-179.30	-1,175.99	-1,113.63	2,799.22	2,746.32	52.90	52.911		
5,700.00	5,582.25	5,168.86	4,885.16	27.80	37.79	-178.72	-1,220.12	-1,119.41	2,843.68	2,789.28	54.40	52.277		
5,800.00	5,679.93	5,361.68	5,071.31	28.29	39.13	-178.11	-1,269.84	-1,126.59	2,885.80	2,829.60	56.20	51.345		
5,900.00	5,777.62	5,588.24	5,292.80	28.79	40.52	-177.59	-1,316.69	-1,134.17	2,924.16	2,866.02	58.14	50.298		
6,000.00	5,875.30	5,827.41	5,529.18	29.28	41.75	-177.26	-1,352.19	-1,141.26	2,958.32	2,898.38	59.94	49.352		
6,100.00	5,972.99	6,009.50	5,710.31	29.78	42.55	-177.09	-1,370.58	-1,143.99	2,987.56	2,926.30	61.26	48.768		
6,200.00	6,070.67	6,114.64	5,815.02	30.27	42.99	-177.01	-1,379.98	-1,145.29	3,016.21	2,954.08	62.14	48.541		
6,300.00	6,168.36	6,203.35	5,903.42	30.77	43.35	-176.95	-1,387.27	-1,146.78	3,044.62	2,981.70	62.92	48.386		
6,400.00	6,266.05	6,291.66	5,991.43	31.26	43.71	-176.92	-1,394.23	-1,149.10	3,073.38	3,009.68	63.70	48.245		
6,500.00	6,363.73	6,456.07	6,155.43	31.76	44.33	-176.90	-1,404.45	-1,154.35	3,101.41	3,036.56	64.85	47.826		
6,534.50	6,397.43	6,518.43	6,217.71	31.93	44.54	-176.90	-1,407.11	-1,156.11	3,110.47	3,045.22	65.25	47.667		
6,550.00	6,412.60	6,547.00	6,246.25	32.01	44.64	-178.03	-1,408.08	-1,156.90	3,114.32	3,048.88	65.43	47.595		
6,600.00	6,461.82	6,628.29	6,327.48	32.24	44.89	-155.73	-1,409.94	-1,159.20	3,124.61	3,058.66	65.94	47.385		
6,650.00	6,511.25	6,701.84	6,400.99	32.45	45.10	-126.28	-1,410.52	-1,161.57	3,131.80	3,065.42	66.38	47.178		
6,700.00	6,560.58	6,773.34	6,472.44	32.64	45.29	-101.09	-1,410.14	-1,164.14	3,135.93	3,069.14	66.78	46.956		
6,750.00	6,609.51	6,841.61	6,540.66	32.83	45.46	-85.44	-1,409.09	-1,166.71	3,137.01	3,069.87	67.14	46.723		
6,800.00	6,657.74	6,958.21	6,657.13	33.01	45.72	-76.62	-1,405.57	-1,170.70	3,134.76	3,067.15	67.61	46.366		
6,850.00	6,704.97	6,988.96	6,687.87	33.18	45.79	-71.20	-1,404.72	-1,171.40	3,129.50	3,061.69	67.81	46.151		
6,900.00	6,750.90	7,029.55	6,728.44	33.36	45.89	-68.00	-1,403.88	-1,172.03	3,121.74	3,053.72	68.02	45.896		
6,950.00	6,795.26	7,060.07	6,758.96	33.54	45.97	-66.12	-1,403.60	-1,172.25	3,111.64	3,043.45	68.19	45.630		
7,000.00	6,837.77	7,089.13	6,788.01	33.73	46.05	-65.19	-1,403.67	-1,172.26	3,099.35	3,031.00	68.35	45.347		
7,050.00	6,878.17	7,119.00	6,817.88	33.92	46.13	-64.98	-1,404.09	-1,172.05	3,085.00	3,016.50	68.50	45.039		
7,100.00	6,916.21	7,157.91	6,856.79	34.13	46.25	-65.47	-1,404.80	-1,171.66	3,068.60	2,999.92	68.68	44.678		
7,150.00	6,951.66	7,198.41	6,897.28	34.36	46.38	-66.48	-1,405.40	-1,171.33	3,050.21	2,981.33	68.88	44.283		
7,200.00	6,984.29	7,226.55	6,925.41	34.61	46.46	-67.77	-1,405.73	-1,171.19	3,030.03	2,960.99	69.04	43.888		
7,250.00	7,013.91	7,249.56	6,948.42	34.89	46.53	-69.36	-1,405.94	-1,171.23	3,008.32	2,939.13	69.20	43.475		
7,300.00	7,040.34	7,270.51	6,969.37	35.20	46.59	-71.26	-1,406.08	-1,171.40	2,985.28	2,915.91	69.37	43.034		
7,350.00	7,063.40	7,289.23	6,988.09	35.55	46.65	-73.43	-1,406.18	-1,171.66	2,961.05	2,891.49	69.57	42.565		
7,400.00	7,082.97	7,307.60	7,006.46	35.94	46.70	-75.87	-1,406.24	-1,172.00	2,935.84	2,866.04	69.79	42.064		
7,450.00	7,098.91	7,324.36	7,023.22	36.36	46.75	-78.53	-1,406.29	-1,172.33	2,909.80	2,839.75	70.06	41.536		
7,500.00	7,111.13	7,337.48	7,036.33	36.83	46.79	-81.33	-1,406.32	-1,172.58	2,883.15	2,812.81	70.35	40.985		
7,550.00	7,119.55	7,346.86	7,045.71	37.34	46.81	-84.22	-1,406.35	-1,172.77	2,856.08	2,785.42	70.67	40.417		
7,600.00	7,124.13	7,352.42	7,051.27	37.88	46.83	-87.15	-1,406.36	-1,172.88	2,828.79	2,757.77	71.01	39.835		
7,639.68	7,125.00	7,354.10	7,052.95	38.33	46.83	-89.47	-1,406.37	-1,172.92	2,807.09	2,735.79	71.31	39.367		
7,700.00	7,124.48	7,354.79	7,053.64	39.05	46.84	-89.49	-1,406.37	-1,172.93	2,774.60	2,702.80	71.80	38.642		
7,800.00	7,123.60	7,355.94	7,054.79	40.40	46.84	-89.52	-1,406.37	-1,172.95	2,722.83	2,650.04	72.79	37.407		
7,900.00	7,122.72	7,357.09	7,055.94	41.90	46.84	-89.55	-1,406.38	-1,172.98	2,673.79	2,599.81	73.98	36.141		
8,000.00	7,121.84	7,358.26	7,057.10	43.54	46.85	-89.57	-1,406.38	-1,173.00	2,627.65	2,552.27	75.38	34.860		
8,100.00	7,120.97	7,359.42	7,058.27	45.30	46.85	-89.60	-1,406.38	-1,173.02	2,584.56	2,507.59	76.97	33.580		
8,200.00	7,120.09	7,360.59	7,059.44	47.17	46.85	-89.63	-1,406.38	-1,173.05	2,544.66	2,465.92	78.74	32.316		
8,300.00	7,119.21	7,361.77	7,060.61	49.13	46.86	-89.66	-1,406.39	-1,173.07	2,508.12	2,427.43	80.69	31.082		
8,400.00	7,118.33	7,362.95	7,061.79	51.18	46.86	-89.69	-1,406.39	-1,173.09	2,475.08	2,392.27	82.81	29.890		
8,500.00	7,117.46	7,364.13	7,062.98	53.30	46.86	-89.72	-1,406.39	-1,173.12	2,445.69	2,360.62	85.07	28.750		
8,600.00	7,116.58	7,365.32	7,064.17	55.48	46.87	-89.75	-1,406.40	-1,173.14	2,420.07	2,332.62	87.46	27.672		
8,700.00	7,115.70	7,366.52	7,065.36	57.72	46.87	-89.78	-1,406.40	-1,173.17	2,398.36	2,308.40	89.96	26.661		
8,800.00	7,114.82	7,367.72	7,066.56	60.02	46.87	-89.81	-1,406.40	-1,173.19	2,380.64	2,288.10	92.55	25.724		
8,900.00	7,113.95	7,368.92	7,067.77	62.36	46.88	-89.83	-1,406.40	-1,173.22	2,367.03	2,271.82	95.21	24.862		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.07	7,370.13	7,068.98	64.74	46.88	-89.86	-1,406.41	-1,173.24	2,357.58	2,259.66	97.91	24.079		
9,100.00	7,112.19	7,371.35	7,070.20	67.15	46.88	-89.89	-1,406.41	-1,173.27	2,352.34	2,251.70	100.64	23.374		
9,173.29	7,111.55	7,372.25	7,071.09	68.95	46.89	-89.92	-1,406.41	-1,173.28	2,351.20	2,248.56	102.64	22.907		
9,200.00	7,111.31	7,372.57	7,071.42	69.60	46.89	-89.92	-1,406.41	-1,173.29	2,351.35	2,247.98	103.37	22.748		
9,300.00	7,110.44	7,373.80	7,072.64	72.08	46.89	-89.95	-1,406.42	-1,173.32	2,354.61	2,248.54	106.07	22.198		
9,400.00	7,109.56	7,375.03	7,073.88	74.58	46.89	-89.98	-1,406.42	-1,173.34	2,362.10	2,253.37	108.73	21.725		
9,500.00	7,108.68	7,376.27	7,075.11	77.10	46.90	-90.01	-1,406.42	-1,173.37	2,373.79	2,262.46	111.32	21.324		
9,600.00	7,107.81	7,377.51	7,076.36	79.65	46.90	-90.04	-1,406.42	-1,173.39	2,389.60	2,275.77	113.83	20.993		
9,700.00	7,106.93	7,378.76	7,077.60	82.22	46.91	-90.07	-1,406.43	-1,173.42	2,409.46	2,293.23	116.24	20.729		
9,800.00	7,106.05	7,380.01	7,078.86	84.80	46.91	-90.11	-1,406.43	-1,173.44	2,433.28	2,314.75	118.53	20.529		
9,900.00	7,105.17	7,381.27	7,080.12	87.40	46.91	-90.14	-1,406.43	-1,173.47	2,460.93	2,340.23	120.70	20.389		
10,000.00	7,104.30	7,382.54	7,081.38	90.02	46.92	-90.17	-1,406.43	-1,173.50	2,492.28	2,369.55	122.74	20.306		
10,100.00	7,103.42	7,383.81	7,082.65	92.64	46.92	-90.20	-1,406.44	-1,173.52	2,527.21	2,402.57	124.64	20.276 SF		
10,200.00	7,102.54	7,385.08	7,083.93	95.28	46.92	-90.23	-1,406.44	-1,173.55	2,565.56	2,439.16	126.40	20.297		
10,300.00	7,101.66	7,386.50	7,085.34	97.94	46.93	-90.26	-1,406.44	-1,173.58	2,607.19	2,479.16	128.02	20.365		
10,400.00	7,100.79	7,388.27	7,087.11	100.60	46.93	-90.31	-1,406.45	-1,173.62	2,651.93	2,522.42	129.51	20.476		
10,500.00	7,099.91	7,390.06	7,088.90	103.27	46.94	-90.35	-1,406.45	-1,173.65	2,699.63	2,568.76	130.87	20.628		
10,600.00	7,099.03	7,391.87	7,090.72	105.95	46.94	-90.39	-1,406.45	-1,173.69	2,750.15	2,618.05	132.10	20.819		
10,700.00	7,098.15	7,393.71	7,092.55	108.64	46.95	-90.44	-1,406.45	-1,173.73	2,803.32	2,670.12	133.21	21.045		
10,800.00	7,097.28	7,395.58	7,094.42	111.33	46.95	-90.48	-1,406.46	-1,173.77	2,859.00	2,724.80	134.20	21.304		
10,900.00	7,096.40	7,397.47	7,096.31	114.04	46.96	-90.53	-1,406.46	-1,173.81	2,917.05	2,781.96	135.09	21.594		
11,000.00	7,095.52	7,399.38	7,098.22	116.74	46.96	-90.58	-1,406.46	-1,173.85	2,977.32	2,841.45	135.87	21.913		
11,100.00	7,094.64	7,401.33	7,100.17	119.46	46.97	-90.62	-1,406.46	-1,173.89	3,039.69	2,903.13	136.57	22.258		
11,200.00	7,093.77	7,403.30	7,102.13	122.18	46.97	-90.67	-1,406.46	-1,173.94	3,104.03	2,966.85	137.18	22.628		
11,300.00	7,092.89	7,405.29	7,104.13	124.91	46.98	-90.72	-1,406.46	-1,173.98	3,170.22	3,032.51	137.71	23.021		
11,400.00	7,092.01	7,407.32	7,106.16	127.64	46.99	-90.77	-1,406.46	-1,174.02	3,238.14	3,099.97	138.17	23.436		
11,500.00	7,091.13	7,409.37	7,108.21	130.38	46.99	-90.82	-1,406.46	-1,174.07	3,307.68	3,169.12	138.56	23.871		
11,600.00	7,090.26	7,411.46	7,110.29	133.12	47.00	-90.87	-1,406.46	-1,174.12	3,378.76	3,239.86	138.90	24.325		
11,700.00	7,089.38	7,413.57	7,112.41	135.86	47.00	-90.92	-1,406.46	-1,174.16	3,451.27	3,312.09	139.18	24.797		
11,800.00	7,088.50	7,415.72	7,114.55	138.61	47.01	-90.97	-1,406.46	-1,174.21	3,525.12	3,385.71	139.42	25.284		
11,900.00	7,087.63	7,417.89	7,116.73	141.36	47.02	-91.03	-1,406.45	-1,174.26	3,600.24	3,460.63	139.61	25.788		
12,000.00	7,086.75	7,420.10	7,118.94	144.12	47.02	-91.08	-1,406.45	-1,174.31	3,676.54	3,536.77	139.77	26.305		
12,100.00	7,085.87	7,422.34	7,121.18	146.88	47.03	-91.14	-1,406.45	-1,174.36	3,753.95	3,614.07	139.89	26.836		
12,200.00	7,084.99	7,424.62	7,123.45	149.64	47.03	-91.19	-1,406.44	-1,174.41	3,832.41	3,692.44	139.98	27.379		
12,300.00	7,084.12	7,426.93	7,125.76	152.40	47.04	-91.25	-1,406.44	-1,174.46	3,911.85	3,771.81	140.04	27.934		
12,400.00	7,083.24	7,429.27	7,128.10	155.17	47.05	-91.31	-1,406.43	-1,174.52	3,992.22	3,852.14	140.08	28.500		
12,500.00	7,082.36	7,431.65	7,130.48	157.94	47.05	-91.36	-1,406.43	-1,174.57	4,073.45	3,933.36	140.09	29.077		
12,600.00	7,081.48	7,434.07	7,132.90	160.71	47.06	-91.42	-1,406.42	-1,174.63	4,155.50	4,015.41	140.09	29.663		
12,700.00	7,080.61	7,436.53	7,135.36	163.49	47.07	-91.48	-1,406.41	-1,174.69	4,238.32	4,098.25	140.07	30.259		
12,800.00	7,079.73	7,439.02	7,137.85	166.27	47.07	-91.54	-1,406.40	-1,174.74	4,321.86	4,181.83	140.03	30.863		
12,900.00	7,078.85	7,441.55	7,140.38	169.04	47.08	-91.60	-1,406.39	-1,174.80	4,406.10	4,266.11	139.99	31.475		
13,000.00	7,077.97	7,444.13	7,142.95	171.83	47.09	-91.67	-1,406.38	-1,174.86	4,490.97	4,351.04	139.93	32.095		
13,100.00	7,077.10	7,446.74	7,145.57	174.61	47.10	-91.73	-1,406.37	-1,174.93	4,576.46	4,436.60	139.86	32.722		
13,200.00	7,076.22	7,449.40	7,148.23	177.39	47.10	-91.80	-1,406.36	-1,174.99	4,662.52	4,522.74	139.78	33.355		
13,300.00	7,075.34	7,452.10	7,150.93	180.18	47.11	-91.86	-1,406.35	-1,175.05	4,749.13	4,609.43	139.70	33.995		
13,400.00	7,074.46	7,454.84	7,153.67	182.97	47.12	-91.93	-1,406.33	-1,175.12	4,836.26	4,696.65	139.61	34.642		
13,500.00	7,073.59	7,457.64	7,156.46	185.76	47.13	-92.00	-1,406.32	-1,175.19	4,923.87	4,784.36	139.51	35.293		
13,600.00	7,072.71	7,460.47	7,159.30	188.55	47.14	-92.06	-1,406.30	-1,175.26	5,011.95	4,872.53	139.41	35.950		
13,700.00	7,071.83	13,700.00	7,213.31	191.34	63.58	-93.38	-1,405.48	-1,176.83	5,100.30	4,943.67	156.63	32.563		
13,800.00	7,070.95	13,800.00	7,215.40	194.14	63.85	-93.43	-1,405.45	-1,176.89	5,189.21	5,032.46	156.75	33.105		
13,900.00	7,070.08	13,900.00	7,217.48	196.93	64.13	-93.48	-1,405.41	-1,176.96	5,278.52	5,121.65	156.87	33.650		
14,000.00	7,069.20	14,000.00	7,219.56	199.73	64.40	-93.53	-1,405.37	-1,177.02	5,368.21	5,211.22	156.99	34.196		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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 #25-5 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	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	7,068.32	14,100.00	7,221.64	202.53	64.67	-93.58	-1,405.34	-1,177.08	5,458.25	5,301.15	157.10	34.743				
14,200.00	7,067.45	14,200.00	7,223.73	205.33	64.94	-93.63	-1,405.30	-1,177.15	5,548.64	5,391.42	157.22	35.293				
14,300.00	7,066.57	14,300.00	7,225.81	208.13	65.22	-93.68	-1,405.26	-1,177.21	5,639.35	5,482.01	157.33	35.843				
14,400.00	7,065.69	14,400.00	7,227.89	210.93	65.49	-93.73	-1,405.23	-1,177.27	5,730.36	5,572.91	157.45	36.395				
14,500.00	7,064.81	14,500.00	7,229.97	213.73	65.77	-93.78	-1,405.19	-1,177.33	5,821.67	5,664.10	157.57	36.947				
14,600.00	7,063.94	14,600.00	7,232.06	216.54	66.04	-93.84	-1,405.15	-1,177.40	5,913.26	5,755.58	157.69	37.500				
14,700.00	7,063.06	7,586.81	7,285.55	219.34	47.46	-95.13	-1,403.92	-1,179.16	6,005.11	5,866.80	138.31	43.417				
14,800.00	7,062.18	7,589.37	7,288.10	222.15	47.47	-95.20	-1,403.85	-1,179.25	6,097.21	5,959.01	138.20	44.119				
14,900.00	7,061.30	7,591.93	7,290.66	224.95	47.47	-95.26	-1,403.78	-1,179.34	6,189.55	6,051.46	138.08	44.825				
15,000.00	7,060.43	7,594.49	7,293.21	227.76	47.48	-95.32	-1,403.70	-1,179.43	6,282.12	6,144.15	137.97	45.532				
15,100.00	7,059.55	7,597.04	7,295.77	230.57	47.49	-95.38	-1,403.63	-1,179.52	6,374.91	6,237.06	137.86	46.242				
15,200.00	7,058.67	7,599.60	7,298.33	233.38	47.49	-95.45	-1,403.56	-1,179.61	6,467.92	6,330.18	137.75	46.955				
15,300.00	7,057.79	7,602.16	7,300.88	236.19	47.50	-95.51	-1,403.49	-1,179.71	6,561.14	6,423.50	137.64	47.669				
15,400.00	7,056.92	7,604.72	7,303.44	239.00	47.51	-95.57	-1,403.41	-1,179.80	6,654.55	6,517.02	137.53	48.385				
15,500.00	7,056.04	7,607.28	7,305.99	241.81	47.51	-95.63	-1,403.34	-1,179.89	6,748.15	6,610.72	137.43	49.104				
15,600.00	7,055.16	7,609.84	7,308.55	244.62	47.52	-95.69	-1,403.27	-1,179.98	6,841.92	6,704.60	137.32	49.824				
15,700.00	7,054.28	7,612.39	7,311.10	247.43	47.53	-95.75	-1,403.20	-1,180.07	6,935.88	6,798.65	137.22	50.545				
15,800.00	7,053.41	7,614.95	7,313.66	250.25	47.53	-95.82	-1,403.13	-1,180.16	7,029.99	6,892.87	137.12	51.269				
15,846.35	7,053.00	7,610.00	7,308.71	251.55	47.52	-95.70	-1,403.27	-1,179.98	7,073.67	6,936.60	137.07	51.607				

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-74.13	273.98	-963.44	1,002.36					
100.00	100.00	59.89	59.89	3.28	3.29	-74.13	273.98	-963.49	1,001.69	995.11	6.57	152.403		
200.00	200.00	155.30	155.30	3.34	3.34	-74.13	274.04	-963.91	1,002.13	995.45	6.68	150.006		
300.00	299.98	258.28	258.27	3.44	3.46	-118.66	275.11	-964.18	1,003.50	996.60	6.90	145.422		
400.00	399.84	351.38	351.32	3.61	3.60	-118.67	278.30	-964.02	1,006.78	999.57	7.21	139.713		
500.00	499.45	449.11	448.81	3.81	3.80	-118.63	284.88	-963.30	1,012.10	1,004.49	7.61	133.012		
600.00	598.70	543.01	542.17	4.06	4.04	-118.51	294.83	-961.99	1,019.49	1,011.40	8.09	126.024		
700.00	697.47	634.86	633.05	4.35	4.31	-118.31	307.98	-960.33	1,029.17	1,020.52	8.65	119.037		
800.00	795.62	724.04	720.88	4.66	4.62	-118.08	323.36	-958.90	1,041.45	1,032.18	9.27	112.351		
817.50	812.73	740.72	737.27	4.73	4.68	-118.04	326.41	-958.65	1,043.85	1,034.46	9.39	111.143		
900.00	893.32	819.28	814.42	5.01	4.99	-118.06	341.22	-957.54	1,055.41	1,045.43	9.98	105.751		
1,000.00	991.01	923.84	916.82	5.38	5.44	-118.00	362.28	-955.59	1,069.36	1,058.57	10.79	99.115		
1,100.00	1,088.69	1,022.99	1,013.43	5.77	5.92	-117.82	384.40	-952.74	1,082.94	1,071.30	11.64	93.033		
1,200.00	1,186.38	1,117.95	1,105.27	6.18	6.42	-117.50	408.24	-949.45	1,096.76	1,084.23	12.53	87.525		
1,300.00	1,284.06	1,203.19	1,187.03	6.60	6.91	-117.09	432.14	-946.31	1,111.27	1,097.85	13.42	82.802		
1,400.00	1,381.75	1,292.17	1,271.43	7.03	7.47	-116.52	460.18	-943.38	1,127.23	1,112.85	14.38	78.369		
1,500.00	1,479.44	1,383.70	1,357.58	7.47	8.08	-115.84	490.91	-940.06	1,143.68	1,128.28	15.41	74.229		
1,600.00	1,577.12	1,474.24	1,442.68	7.91	8.71	-115.18	521.70	-937.36	1,161.04	1,144.59	16.45	70.587		
1,700.00	1,674.81	1,570.99	1,533.94	8.37	9.40	-114.55	553.77	-935.11	1,178.88	1,161.33	17.55	67.184		
1,800.00	1,772.49	1,667.40	1,625.19	8.82	10.08	-113.99	584.80	-933.20	1,196.84	1,178.20	18.65	64.183		
1,900.00	1,870.18	1,763.36	1,716.38	9.28	10.75	-113.50	614.63	-931.86	1,215.07	1,195.33	19.74	61.552		
2,000.00	1,967.87	1,846.57	1,795.72	9.75	11.33	-113.14	639.71	-931.53	1,233.96	1,213.23	20.73	59.532		
2,100.00	2,065.55	1,951.99	1,896.10	10.22	12.08	-112.69	671.92	-931.58	1,253.47	1,231.57	21.90	57.229		
2,200.00	2,163.24	2,075.79	2,014.55	10.69	12.94	-112.23	707.90	-930.28	1,271.47	1,248.25	23.22	54.760		
2,300.00	2,260.92	2,186.23	2,120.62	11.16	13.69	-111.88	738.54	-927.83	1,287.95	1,263.53	24.42	52.733		
2,400.00	2,358.61	2,296.51	2,226.57	11.64	14.44	-111.54	768.97	-924.63	1,303.81	1,278.18	25.63	50.879		
2,500.00	2,456.30	2,412.87	2,339.04	12.12	15.21	-111.28	798.56	-920.78	1,318.49	1,291.63	26.86	49.096		
2,600.00	2,553.98	2,487.00	2,410.53	12.59	15.70	-111.10	818.02	-918.61	1,333.75	1,305.97	27.78	48.017		
2,700.00	2,651.67	2,587.63	2,507.15	13.08	16.40	-110.79	845.99	-915.45	1,349.54	1,320.62	28.92	46.660		
2,800.00	2,749.35	2,688.07	2,583.63	13.56	16.99	-110.45	870.72	-912.39	1,365.97	1,336.04	29.93	45.638		
2,900.00	2,847.04	2,747.01	2,657.97	14.04	17.60	-110.03	897.08	-909.60	1,383.79	1,352.85	30.94	44.720		
3,000.00	2,944.72	2,846.67	2,752.05	14.52	18.37	-109.55	929.87	-907.00	1,402.35	1,370.20	32.14	43.629		
3,100.00	3,042.41	2,939.75	2,840.55	15.01	19.06	-109.21	958.65	-905.57	1,421.09	1,387.84	33.25	42.739		
3,200.00	3,140.10	3,040.43	2,936.47	15.50	19.80	-108.87	989.21	-904.35	1,439.94	1,405.51	34.42	41.832		
3,300.00	3,237.78	3,142.77	3,034.46	15.98	20.53	-108.61	1,018.71	-903.46	1,458.46	1,422.86	35.59	40.975		
3,400.00	3,335.47	3,250.09	3,137.41	16.47	21.29	-108.36	1,049.05	-902.57	1,476.82	1,440.02	36.80	40.128		
3,500.00	3,433.15	3,355.84	3,238.88	16.96	22.03	-108.11	1,078.76	-900.77	1,494.35	1,456.35	38.00	39.327		
3,600.00	3,530.84	3,446.38	3,325.97	17.45	22.66	-107.94	1,103.48	-899.66	1,511.96	1,472.91	39.05	38.718		
3,700.00	3,628.53	3,565.46	3,441.24	17.94	23.45	-107.82	1,133.33	-899.18	1,529.36	1,489.04	40.32	37.932		
3,800.00	3,726.21	3,676.21	3,548.93	18.43	24.15	-107.78	1,159.13	-898.08	1,545.41	1,503.92	41.50	37.243		
3,900.00	3,823.90	3,770.45	3,640.28	18.92	24.76	-107.69	1,182.21	-896.41	1,561.32	1,518.77	42.56	36.689		
4,000.00	3,921.58	3,855.29	3,722.37	19.41	25.32	-107.59	1,203.63	-895.10	1,577.79	1,534.25	43.54	36.239		
4,100.00	4,019.27	3,944.07	3,808.71	19.90	25.88	-107.58	1,224.30	-895.66	1,595.27	1,550.74	44.53	35.822		
4,200.00	4,116.96	4,141.60	4,002.64	20.39	26.99	-107.84	1,261.35	-896.14	1,611.07	1,564.82	46.25	34.836		
4,300.00	4,214.64	4,311.66	4,171.99	20.88	27.70	-108.55	1,276.26	-892.95	1,619.76	1,572.26	47.50	34.101		
4,400.00	4,312.33	4,403.10	4,263.32	21.37	28.02	-109.06	1,280.24	-891.21	1,626.98	1,578.63	48.35	33.651		
4,500.00	4,410.01	4,499.35	4,359.53	21.87	28.33	-109.67	1,282.50	-891.28	1,635.27	1,586.08	49.19	33.247		
4,600.00	4,507.70	4,596.44	4,456.63	22.36	28.62	-110.35	1,282.84	-891.76	1,643.35	1,593.35	50.00	32.867		
4,700.00	4,605.39	4,690.16	4,550.33	22.85	28.87	-111.05	1,282.01	-893.09	1,652.04	1,601.26	50.78	32.533		
4,800.00	4,703.07	4,789.25	4,649.37	23.35	29.13	-111.83	1,279.92	-895.10	1,661.10	1,609.53	51.57	32.210		
4,900.00	4,800.76	4,896.97	4,757.06	23.84	29.42	-112.65	1,277.88	-896.66	1,670.01	1,617.63	52.38	31.881		
5,000.00	4,898.44	4,987.97	4,848.06	24.33	29.67	-113.32	1,276.59	-897.73	1,679.12	1,625.97	53.15	31.591		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,082.42	4,942.49	24.83	29.94	-114.00	1,275.59	-898.96	1,688.74	1,634.80	53.93	31.311		
5,200.00	5,093.82	5,176.58	5,036.64	25.32	30.22	-114.65	1,274.95	-900.18	1,698.73	1,644.01	54.72	31.045		
5,300.00	5,191.50	5,266.07	5,126.12	25.82	30.49	-115.26	1,274.81	-901.52	1,709.32	1,653.83	55.49	30.805		
5,400.00	5,289.19	5,358.16	5,218.19	26.31	30.77	-115.86	1,275.11	-903.15	1,720.53	1,664.26	56.27	30.576		
5,500.00	5,386.87	5,454.08	5,314.09	26.81	31.08	-116.48	1,275.63	-905.02	1,732.18	1,675.11	57.07	30.351		
5,600.00	5,484.56	5,556.18	5,416.18	27.30	31.41	-117.13	1,276.17	-906.85	1,743.91	1,686.01	57.90	30.119		
5,700.00	5,582.25	5,644.41	5,504.39	27.80	31.69	-117.69	1,276.49	-908.61	1,755.97	1,697.31	58.67	29.932		
5,800.00	5,679.93	5,737.85	5,597.80	28.29	31.99	-118.28	1,276.70	-910.94	1,768.68	1,709.23	59.45	29.749		
5,900.00	5,777.62	5,837.41	5,697.33	28.79	32.32	-118.88	1,277.53	-913.23	1,781.56	1,721.29	60.27	29.559		
6,000.00	5,875.30	5,925.34	5,785.22	29.28	32.62	-119.40	1,278.58	-915.39	1,794.87	1,733.83	61.04	29.405		
6,100.00	5,972.99	6,042.35	5,902.19	29.78	33.02	-120.07	1,280.03	-918.18	1,808.34	1,746.38	61.96	29.186		
6,200.00	6,070.67	6,149.78	6,009.62	30.27	33.39	-120.68	1,281.04	-919.35	1,820.62	1,757.79	62.83	28.978		
6,300.00	6,168.36	6,240.05	6,099.87	30.77	33.70	-121.18	1,281.97	-920.48	1,833.27	1,769.66	63.61	28.819		
6,400.00	6,266.05	6,327.56	6,187.36	31.26	34.01	-121.66	1,283.23	-921.94	1,846.57	1,782.18	64.38	28.680		
6,500.00	6,363.73	6,420.61	6,280.37	31.76	34.35	-122.14	1,285.00	-923.83	1,860.45	1,795.27	65.19	28.540		
6,534.50	6,397.43	6,453.73	6,313.47	31.93	34.47	-122.31	1,285.66	-924.52	1,865.31	1,799.84	65.47	28.491		
6,550.00	6,412.60	6,468.64	6,328.38	32.01	34.52	-117.63	1,285.97	-924.84	1,867.32	1,801.72	65.60	28.466		
6,600.00	6,461.82	6,527.41	6,387.12	32.24	34.73	-96.33	1,287.08	-926.00	1,871.26	1,805.21	66.05	28.329		
6,650.00	6,511.25	6,593.32	6,453.03	32.45	34.97	-67.53	1,287.82	-926.88	1,871.02	1,804.49	66.53	28.123		
6,700.00	6,560.58	6,658.27	6,517.98	32.64	35.19	-42.61	1,288.07	-927.27	1,866.55	1,799.58	66.97	27.870		
6,750.00	6,609.51	6,721.93	6,581.63	32.83	35.41	-26.87	1,288.21	-927.15	1,857.91	1,790.53	67.38	27.572		
6,800.00	6,657.74	6,784.43	6,644.13	33.01	35.62	-17.36	1,288.28	-926.54	1,845.17	1,777.40	67.77	27.227		
6,850.00	6,704.97	6,822.02	6,681.72	33.18	35.75	-11.17	1,288.35	-926.25	1,828.84	1,760.81	68.03	26.883		
6,900.00	6,750.90	6,865.32	6,725.02	33.36	35.90	-6.83	1,288.44	-925.91	1,808.98	1,740.68	68.30	26.485		
6,950.00	6,795.26	6,907.95	6,767.65	33.54	36.05	-3.52	1,288.56	-925.62	1,785.74	1,717.18	68.56	26.046		
7,000.00	6,837.77	6,950.30	6,810.00	33.73	36.19	-0.78	1,288.67	-925.35	1,759.21	1,690.40	68.81	25.567		
7,050.00	6,878.17	6,990.51	6,850.21	33.92	36.33	1.66	1,288.79	-925.09	1,729.54	1,660.50	69.03	25.054		
7,100.00	6,916.21	7,028.35	6,888.04	34.13	36.46	4.00	1,288.89	-924.85	1,696.91	1,627.67	69.24	24.507		
7,150.00	6,951.66	7,059.92	6,919.62	34.36	36.57	6.41	1,288.99	-924.68	1,661.57	1,592.16	69.41	23.937		
7,200.00	6,984.29	7,089.04	6,948.74	34.61	36.68	9.03	1,289.11	-924.58	1,623.77	1,554.20	69.57	23.340		
7,250.00	7,013.91	7,115.59	6,975.28	34.89	36.77	12.06	1,289.24	-924.55	1,583.73	1,514.02	69.71	22.719		
7,300.00	7,040.34	7,139.38	6,999.08	35.20	36.85	15.73	1,289.38	-924.55	1,541.68	1,471.85	69.83	22.076		
7,350.00	7,063.40	7,160.27	7,019.97	35.55	36.93	20.37	1,289.51	-924.59	1,497.89	1,427.95	69.94	21.415		
7,400.00	7,082.97	7,180.77	7,040.46	35.94	37.00	26.59	1,289.64	-924.63	1,452.61	1,382.55	70.06	20.734		
7,450.00	7,098.91	7,197.53	7,057.23	36.36	37.06	35.01	1,289.74	-924.66	1,406.10	1,335.95	70.16	20.042		
7,500.00	7,111.13	7,210.36	7,070.06	36.83	37.11	46.45	1,289.82	-924.68	1,358.69	1,288.45	70.25	19.342		
7,550.00	7,119.55	7,219.19	7,078.89	37.34	37.14	61.27	1,289.87	-924.68	1,310.70	1,240.37	70.33	18.637		
7,600.00	7,124.13	7,223.99	7,083.68	37.88	37.16	78.26	1,289.90	-924.69	1,262.44	1,192.04	70.41	17.931		
7,639.68	7,125.00	7,224.92	7,084.61	38.33	37.16	91.37	1,289.90	-924.69	1,224.18	1,153.72	70.47	17.373		
7,700.00	7,124.48	7,224.39	7,084.09	39.05	37.16	91.28	1,289.90	-924.69	1,166.26	1,095.69	70.57	16.526		
7,800.00	7,123.60	7,223.53	7,083.22	40.40	37.16	91.13	1,289.90	-924.69	1,070.81	1,000.00	70.80	15.124		
7,900.00	7,122.72	7,222.67	7,082.36	41.90	37.15	90.98	1,289.89	-924.69	976.27	905.13	71.14	13.724		
8,000.00	7,121.84	7,221.81	7,081.50	43.54	37.15	90.83	1,289.89	-924.69	882.93	811.31	71.62	12.328		
8,100.00	7,120.97	7,220.96	7,080.65	45.30	37.15	90.68	1,289.88	-924.69	791.22	718.90	72.32	10.940		
8,200.00	7,120.09	7,220.11	7,079.80	47.17	37.14	90.54	1,289.88	-924.69	701.78	628.43	73.35	9.568		
8,300.00	7,119.21	7,219.27	7,078.96	49.13	37.14	90.39	1,289.87	-924.68	615.59	540.74	74.85	8.224		
8,400.00	7,118.33	7,218.43	7,078.13	51.18	37.14	90.25	1,289.87	-924.68	534.24	457.20	77.04	6.935		
8,500.00	7,117.46	7,217.60	7,077.30	53.30	37.13	90.11	1,289.86	-924.68	460.30	380.18	80.12	5.745		
8,600.00	7,116.58	7,216.78	7,076.47	55.48	37.13	89.97	1,289.86	-924.68	397.91	313.78	84.13	4.730		
8,700.00	7,115.70	7,215.95	7,075.65	57.72	37.13	89.82	1,289.85	-924.68	353.25	264.73	88.52	3.991		
8,800.00	7,114.82	7,215.14	7,074.83	60.02	37.13	89.68	1,289.85	-924.68	333.53	241.67	91.86	3.631		
8,817.73	7,114.67	7,214.99	7,074.69	60.43	37.13	89.66	1,289.85	-924.68	333.06	240.84	92.22	3.611	CC, ES, 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 32C-6-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 32C-6-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	7,113.95	7,214.32	7,074.02	62.36	37.12	89.54	1,289.84	-924.68	343.07	250.33	92.74	3.699		
9,000.00	7,113.07	7,213.52	7,073.21	64.74	37.12	89.41	1,289.84	-924.68	379.67	288.42	91.25	4.161		
9,100.00	7,112.19	7,212.71	7,072.41	67.15	37.12	89.27	1,289.83	-924.68	436.58	347.94	88.64	4.925		
9,200.00	7,111.31	7,211.92	7,071.61	69.60	37.11	89.13	1,289.83	-924.68	507.00	421.05	85.96	5.898		
9,300.00	7,110.44	7,211.12	7,070.82	72.08	37.11	88.99	1,289.82	-924.68	586.09	502.45	83.64	7.008		
9,400.00	7,109.56	7,210.33	7,070.03	74.58	37.11	88.86	1,289.82	-924.68	670.78	589.03	81.75	8.205		
9,500.00	7,108.68	7,209.55	7,069.24	77.10	37.11	88.72	1,289.81	-924.68	759.21	678.95	80.26	9.460		
9,600.00	7,107.81	7,208.77	7,068.46	79.65	37.10	88.59	1,289.81	-924.67	850.20	771.13	79.07	10.753		
9,700.00	7,106.93	7,207.99	7,067.69	82.22	37.10	88.45	1,289.80	-924.67	943.02	864.90	78.12	12.072		
9,800.00	7,106.05	7,207.22	7,066.91	84.80	37.10	88.32	1,289.80	-924.67	1,037.17	959.82	77.36	13.408		
9,900.00	7,105.17	7,206.45	7,066.15	87.40	37.09	88.19	1,289.80	-924.67	1,132.33	1,055.60	76.73	14.757		
10,000.00	7,104.30	7,205.69	7,065.38	90.02	37.09	88.06	1,289.79	-924.67	1,228.26	1,152.03	76.22	16.114		
10,100.00	7,103.42	7,204.93	7,064.63	92.64	37.09	87.93	1,289.79	-924.67	1,324.78	1,248.99	75.80	17.478		
10,200.00	7,102.54	7,204.18	7,063.87	95.28	37.09	87.80	1,289.78	-924.67	1,421.79	1,346.35	75.44	18.846		
10,300.00	7,101.66	7,203.43	7,063.12	97.94	37.08	87.67	1,289.78	-924.67	1,519.19	1,444.04	75.14	20.218		
10,400.00	7,100.79	7,202.68	7,062.38	100.60	37.08	87.54	1,289.77	-924.67	1,616.90	1,542.01	74.89	21.591		
10,500.00	7,099.91	7,201.94	7,061.63	103.27	37.08	87.41	1,289.77	-924.67	1,714.87	1,640.20	74.67	22.966		
10,600.00	7,099.03	7,201.20	7,060.90	105.95	37.08	87.29	1,289.76	-924.67	1,813.07	1,738.59	74.49	24.341		
10,700.00	7,098.15	7,200.47	7,060.16	108.64	37.07	87.16	1,289.76	-924.66	1,911.46	1,837.13	74.33	25.717		
10,800.00	7,097.28	7,199.74	7,059.43	111.33	37.07	87.04	1,289.75	-924.66	2,010.00	1,935.81	74.19	27.093		
10,900.00	7,096.40	7,199.01	7,058.71	114.04	37.07	86.91	1,289.75	-924.66	2,108.68	2,034.61	74.07	28.469		
11,000.00	7,095.52	7,198.29	7,057.98	116.74	37.07	86.79	1,289.75	-924.66	2,207.48	2,133.51	73.97	29.844		
11,100.00	7,094.64	7,197.57	7,057.27	119.46	37.06	86.67	1,289.74	-924.66	2,306.38	2,232.50	73.88	31.218		
11,200.00	7,093.77	7,196.86	7,056.55	122.18	37.06	86.54	1,289.74	-924.66	2,405.37	2,331.57	73.80	32.591		
11,300.00	7,092.89	7,196.15	7,055.84	124.91	37.06	86.42	1,289.73	-924.66	2,504.44	2,430.70	73.74	33.963		
11,400.00	7,092.01	7,195.44	7,055.14	127.64	37.06	86.30	1,289.73	-924.66	2,603.59	2,529.90	73.69	35.334		
11,500.00	7,091.13	7,194.74	7,054.43	130.38	37.05	86.18	1,289.72	-924.66	2,702.79	2,629.15	73.64	36.703		
11,600.00	7,090.26	7,194.04	7,053.74	133.12	37.05	86.06	1,289.72	-924.66	2,802.05	2,728.45	73.60	38.071		
11,700.00	7,089.38	7,193.35	7,053.04	135.86	37.05	85.94	1,289.72	-924.65	2,901.37	2,827.80	73.57	39.437		
11,800.00	7,088.50	7,192.66	7,052.35	138.61	37.05	85.82	1,289.71	-924.65	3,000.72	2,927.18	73.54	40.802		
11,900.00	7,087.63	7,191.97	7,051.66	141.36	37.04	85.70	1,289.71	-924.65	3,100.12	3,026.60	73.53	42.164		
12,000.00	7,086.75	7,191.28	7,050.98	144.12	37.04	85.59	1,289.70	-924.65	3,199.56	3,126.05	73.51	43.525		
12,100.00	7,085.87	7,190.60	7,050.30	146.88	37.04	85.47	1,289.70	-924.65	3,299.03	3,225.53	73.50	44.884		
12,200.00	7,084.99	7,189.93	7,049.62	149.64	37.04	85.36	1,289.69	-924.65	3,398.53	3,325.03	73.50	46.240		
12,300.00	7,084.12	7,189.25	7,048.95	152.40	37.03	85.24	1,289.69	-924.65	3,498.06	3,424.56	73.50	47.595		
12,400.00	7,083.24	7,188.58	7,048.28	155.17	37.03	85.13	1,289.69	-924.65	3,597.62	3,524.12	73.50	48.947		
12,500.00	7,082.36	7,187.92	7,047.61	157.94	37.03	85.01	1,289.68	-924.65	3,697.20	3,623.69	73.51	50.297		
12,600.00	7,081.48	7,187.26	7,046.95	160.71	37.03	84.90	1,289.68	-924.64	3,796.80	3,723.28	73.52	51.645		
12,700.00	7,080.61	7,186.60	7,046.29	163.49	37.02	84.79	1,289.67	-924.64	3,896.42	3,822.89	73.53	52.991		
12,800.00	7,079.73	7,185.94	7,045.64	166.27	37.02	84.67	1,289.67	-924.64	3,996.06	3,922.51	73.55	54.334		
12,900.00	7,078.85	7,185.29	7,044.98	169.04	37.02	84.56	1,289.67	-924.64	4,095.72	4,022.15	73.57	55.674		
13,000.00	7,077.97	7,184.64	7,044.33	171.83	37.02	84.45	1,289.66	-924.64	4,195.39	4,121.80	73.59	57.012		
13,100.00	7,077.10	7,183.99	7,043.69	174.61	37.01	84.34	1,289.66	-924.64	4,295.08	4,221.47	73.61	58.348		
13,200.00	7,076.22	7,183.35	7,043.05	177.39	37.01	84.23	1,289.65	-924.64	4,394.78	4,321.15	73.64	59.681		
13,300.00	7,075.34	7,182.71	7,042.41	180.18	37.01	84.12	1,289.65	-924.64	4,494.50	4,420.83	73.67	61.011		
13,400.00	7,074.46	7,182.08	7,041.77	182.97	37.01	84.02	1,289.65	-924.64	4,594.23	4,520.53	73.70	62.339		
13,500.00	7,073.59	7,181.45	7,041.14	185.76	37.00	83.91	1,289.64	-924.63	4,693.97	4,620.24	73.73	63.663		
13,600.00	7,072.71	7,180.82	7,040.51	188.55	37.00	83.80	1,289.64	-924.63	4,793.72	4,719.95	73.77	64.985		
13,700.00	7,071.83	7,180.19	7,039.88	191.34	37.00	83.69	1,289.63	-924.63	4,893.48	4,819.68	73.80	66.304		
13,800.00	7,070.95	7,179.57	7,039.26	194.14	37.00	83.59	1,289.63	-924.63	4,993.25	4,919.41	73.84	67.621		
13,900.00	7,070.08	7,178.95	7,038.64	196.93	37.00	83.48	1,289.63	-924.63	5,093.03	5,019.15	73.88	68.934		
14,000.00	7,069.20	7,178.33	7,038.03	199.73	36.99	83.38	1,289.62	-924.63	5,192.82	5,118.89	73.93	70.244		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,068.32	7,177.72	7,037.41	202.53	36.99	83.27	1,289.62	-924.63	5,292.61	5,218.64	73.97	71.552		
14,200.00	7,067.45	7,177.11	7,036.80	205.33	36.99	83.17	1,289.61	-924.63	5,392.42	5,318.40	74.01	72.856		
14,300.00	7,066.57	7,176.50	7,036.19	208.13	36.99	83.07	1,289.61	-924.62	5,492.23	5,418.16	74.06	74.157		
14,400.00	7,065.69	7,187.88	7,047.57	210.93	37.03	85.01	1,289.70	-924.68	5,592.02	5,517.91	74.12	75.450		
14,500.00	7,064.81	7,187.13	7,046.82	213.73	37.02	84.88	1,289.69	-924.68	5,691.85	5,617.68	74.17	76.745		
14,600.00	7,063.94	7,186.36	7,046.05	216.54	37.02	84.75	1,289.68	-924.67	5,791.68	5,717.46	74.22	78.036		
14,700.00	7,063.06	7,185.58	7,045.27	219.34	37.02	84.61	1,289.68	-924.67	5,891.52	5,817.24	74.27	79.325		
14,800.00	7,062.18	7,184.78	7,044.47	222.15	37.02	84.48	1,289.67	-924.67	5,991.36	5,917.03	74.33	80.610		
14,900.00	7,061.30	7,183.96	7,043.65	224.95	37.01	84.34	1,289.67	-924.66	6,091.20	6,016.82	74.38	81.892		
15,000.00	7,060.43	7,183.12	7,042.82	227.76	37.01	84.19	1,289.66	-924.66	6,191.05	6,116.62	74.44	83.170		
15,100.00	7,059.55	7,182.27	7,041.96	230.57	37.01	84.05	1,289.66	-924.66	6,290.91	6,216.41	74.50	84.445		
15,200.00	7,058.67	7,181.40	7,041.09	233.38	37.00	83.90	1,289.65	-924.65	6,390.77	6,316.22	74.56	85.717		
15,300.00	7,057.79	7,180.50	7,040.20	236.19	37.00	83.75	1,289.64	-924.65	6,490.64	6,416.02	74.62	86.986		
15,400.00	7,056.92	7,179.59	7,039.28	239.00	37.00	83.59	1,289.64	-924.65	6,590.51	6,515.83	74.68	88.251		
15,500.00	7,056.04	7,178.65	7,038.35	241.81	36.99	83.43	1,289.63	-924.64	6,690.38	6,615.64	74.74	89.513		
15,600.00	7,055.16	7,177.70	7,037.39	244.62	36.99	83.27	1,289.62	-924.64	6,790.25	6,715.45	74.81	90.771		
15,700.00	7,054.28	7,176.72	7,036.41	247.43	36.99	83.10	1,289.62	-924.64	6,890.13	6,815.26	74.87	92.026		
15,800.00	7,053.41	7,175.71	7,035.41	250.25	36.98	82.93	1,289.61	-924.63	6,990.02	6,915.08	74.94	93.278		
15,846.35	7,053.00	7,175.24	7,034.94	251.55	36.98	82.85	1,289.61	-924.63	7,036.31	6,961.34	74.97	93.857		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-75.70	243.38	-954.53	985.80					
100.00	100.00	57.73	57.73	3.28	3.29	-75.69	243.43	-954.61	985.17	978.60	6.57	149.901		
200.00	200.00	148.44	148.44	3.34	3.34	-75.68	243.88	-955.34	986.08	979.40	6.68	147.696		
300.00	299.98	268.99	268.96	3.44	3.47	-120.18	245.79	-955.63	987.63	980.72	6.92	142.793		
400.00	399.84	436.53	436.06	3.61	3.78	-120.09	253.37	-946.89	986.46	979.05	7.42	133.021		
500.00	499.45	551.55	550.36	3.81	4.07	-120.16	259.44	-935.62	982.67	974.76	7.91	124.262		
600.00	598.70	662.77	660.60	4.06	4.41	-120.34	266.01	-922.45	978.73	970.26	8.48	115.467		
700.00	697.47	765.56	762.18	4.35	4.77	-120.52	274.75	-909.41	976.43	967.34	9.09	107.385		
800.00	795.62	870.66	865.45	4.66	5.20	-120.62	287.37	-894.53	975.29	965.49	9.80	99.540		
817.50	812.73	888.88	883.31	4.73	5.28	-120.64	289.73	-891.86	975.22	965.30	9.93	98.235		
900.00	893.32	1,012.04	1,003.35	5.01	5.86	-120.67	307.38	-870.82	973.38	962.62	10.76	90.438		
1,000.00	991.01	1,138.42	1,125.03	5.38	6.56	-120.46	328.04	-843.62	967.13	955.38	11.74	82.361		
1,100.00	1,088.69	1,267.88	1,249.16	5.77	7.34	-120.27	347.88	-812.66	958.35	945.56	12.79	74.926		
1,200.00	1,186.38	1,366.23	1,343.14	6.18	7.97	-120.12	362.57	-787.69	948.05	934.33	13.71	69.141		
1,300.00	1,284.06	1,457.63	1,430.42	6.60	8.58	-119.93	377.17	-764.84	938.39	923.76	14.63	64.132		
1,400.00	1,381.75	1,555.20	1,523.51	7.03	9.25	-119.66	393.86	-740.87	929.44	913.82	15.62	59.486		
1,500.00	1,479.44	1,662.73	1,625.59	7.47	10.01	-119.24	413.79	-713.56	920.06	903.35	16.71	55.055		
1,600.00	1,577.12	1,765.00	1,722.72	7.91	10.76	-118.89	431.78	-687.08	909.98	892.20	17.79	51.160		
1,700.00	1,674.81	1,864.77	1,836.21	8.37	11.65	-118.47	452.41	-654.87	898.89	879.92	18.97	47.378		
1,800.00	1,772.49	1,961.49	1,909.11	8.82	12.23	-118.22	465.30	-634.69	888.18	868.23	19.94	44.535		
1,900.00	1,870.18	2,051.84	1,995.15	9.28	12.89	-117.92	480.97	-612.04	878.93	857.94	20.99	41.865		
2,000.00	1,967.87	2,155.96	2,094.19	9.75	13.67	-117.53	499.57	-585.85	869.78	847.64	22.14	39.286		
2,100.00	2,065.55	2,252.12	2,185.84	10.22	14.39	-117.20	516.26	-562.00	860.87	837.63	23.25	37.033		
2,200.00	2,163.24	2,357.11	2,285.88	10.69	15.17	-116.84	534.22	-535.68	851.67	827.27	24.40	34.903		
2,300.00	2,260.92	2,447.63	2,372.53	11.16	15.83	-116.65	547.98	-513.41	842.41	816.94	25.47	33.076		
2,400.00	2,358.61	2,544.38	2,465.23	11.64	16.54	-116.38	563.91	-490.79	834.69	808.11	26.58	31.406		
2,500.00	2,456.30	2,671.76	2,586.71	12.12	17.49	-115.98	584.74	-458.65	825.22	797.37	27.85	29.630		
2,600.00	2,553.98	2,763.77	2,674.03	12.59	18.21	-115.63	600.03	-434.03	814.33	785.35	28.99	28.094		
2,700.00	2,651.67	2,847.44	2,753.82	13.08	18.85	-115.34	613.89	-412.97	804.98	774.91	30.07	26.767		
2,800.00	2,749.35	2,951.92	2,853.97	13.56	19.61	-115.13	629.35	-387.55	795.90	764.68	31.22	25.490		
2,900.00	2,847.04	3,037.78	2,936.63	14.04	20.21	-115.02	641.31	-367.62	787.64	755.37	32.27	24.408		
3,000.00	2,944.72	3,120.00	3,016.32	14.52	20.76	-115.03	652.00	-350.50	781.36	748.10	33.26	23.493		
3,100.00	3,042.41	3,197.24	3,091.79	15.01	21.24	-115.16	661.16	-336.86	777.71	743.54	34.17	22.762		
3,200.00	3,140.10	3,281.49	3,174.59	15.50	21.71	-115.42	670.43	-324.40	776.53	741.48	35.06	22.151		
3,206.95	3,146.89	3,287.21	3,180.23	15.53	21.74	-115.44	671.04	-323.62	776.53	741.41	35.12	22.114		
3,300.00	3,237.78	3,360.95	3,253.05	15.98	22.12	-115.75	678.56	-314.78	777.69	741.82	35.86	21.685		
3,400.00	3,335.47	3,448.95	3,340.28	16.47	22.54	-116.25	686.60	-306.47	781.06	744.39	36.68	21.297		
3,500.00	3,433.15	3,536.36	3,427.20	16.96	22.92	-116.88	693.13	-299.95	785.92	748.49	37.43	20.997		
3,600.00	3,530.84	3,625.73	3,516.32	17.45	23.27	-117.70	697.75	-295.28	792.36	754.22	38.14	20.777		
3,700.00	3,628.53	3,716.71	3,607.21	17.94	23.59	-118.71	700.18	-292.20	800.10	761.31	38.79	20.624		
3,800.00	3,726.21	3,818.32	3,708.79	18.43	23.92	-119.96	701.12	-289.64	808.54	769.05	39.49	20.472		
3,900.00	3,823.90	3,895.68	3,786.13	18.92	24.17	-120.91	701.66	-288.42	818.20	778.20	40.00	20.455		
4,000.00	3,921.58	3,991.53	3,881.99	19.41	24.45	-122.10	702.18	-288.64	829.91	789.27	40.64	20.422		
4,100.00	4,019.27	4,087.74	3,978.19	19.90	24.75	-123.25	702.90	-288.75	841.90	800.61	41.29	20.391		
4,200.00	4,116.96	4,185.12	4,075.56	20.39	25.05	-124.33	704.37	-288.87	854.38	812.41	41.97	20.356		
4,300.00	4,214.64	4,281.93	4,172.35	20.88	25.36	-125.36	706.13	-289.00	867.21	824.55	42.67	20.326		
4,400.00	4,312.33	4,376.30	4,266.70	21.37	25.67	-126.31	708.18	-289.40	880.65	837.31	43.34	20.317		
4,500.00	4,410.01	4,472.97	4,363.34	21.87	25.98	-127.26	710.32	-290.00	894.55	850.50	44.05	20.307		
4,600.00	4,507.70	4,568.40	4,458.75	22.36	26.29	-128.19	712.16	-290.87	908.94	864.19	44.75	20.312		
4,700.00	4,605.39	4,664.09	4,554.42	22.85	26.59	-129.10	713.86	-291.95	923.78	878.33	45.45	20.326		
4,800.00	4,703.07	4,760.44	4,650.75	23.35	26.90	-130.00	715.46	-293.29	939.09	892.93	46.16	20.345		
4,900.00	4,800.76	4,866.40	4,756.70	23.84	27.23	-131.01	716.19	-294.57	954.43	907.48	46.95	20.327		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	4,992.29	4,882.56	24.33	27.62	-132.32	714.55	-293.52	967.93	920.03	47.90	20.207		
5,100.00	4,996.13	5,087.20	4,977.44	24.83	27.93	-133.30	712.83	-291.52	980.50	931.91	48.59	20.180		
5,200.00	5,093.82	5,179.65	5,069.87	25.32	28.24	-134.20	711.68	-289.94	993.75	944.48	49.27	20.171		
5,300.00	5,191.50	5,271.60	5,161.81	25.82	28.54	-135.05	710.96	-288.97	1,007.91	957.96	49.95	20.179		
5,400.00	5,289.19	5,373.13	5,263.33	26.31	28.87	-135.97	710.01	-288.04	1,022.45	971.73	50.72	20.157		
5,500.00	5,386.87	5,473.55	5,363.74	26.81	29.22	-136.83	709.63	-286.51	1,036.61	985.10	51.51	20.125		
5,600.00	5,484.56	5,564.42	5,454.60	27.30	29.54	-137.57	709.59	-285.48	1,051.34	999.13	52.21	20.136		
5,700.00	5,582.25	5,658.68	5,548.86	27.80	29.87	-138.27	710.34	-285.07	1,066.88	1,013.92	52.96	20.144		
5,800.00	5,679.93	5,753.12	5,643.28	28.29	30.21	-138.92	711.69	-284.85	1,082.75	1,029.03	53.72	20.154		
5,900.00	5,777.62	5,848.06	5,738.20	28.79	30.56	-139.53	713.47	-285.06	1,099.15	1,044.65	54.50	20.169		
6,000.00	5,875.30	5,940.77	5,830.90	29.28	30.89	-140.11	715.17	-285.52	1,115.96	1,060.71	55.25	20.199		
6,100.00	5,972.99	6,031.27	5,921.39	29.78	31.20	-140.70	716.13	-286.43	1,133.47	1,077.51	55.96	20.254		
6,200.00	6,070.67	6,129.85	6,019.96	30.27	31.53	-141.40	715.44	-287.58	1,151.49	1,094.74	56.74	20.293		
6,300.00	6,168.36	6,241.71	6,131.81	30.77	31.90	-142.23	713.69	-287.81	1,168.86	1,111.20	57.66	20.271		
6,400.00	6,266.05	6,333.76	6,223.84	31.26	32.21	-142.87	712.70	-287.71	1,186.05	1,127.66	58.39	20.314		
6,500.00	6,363.73	6,420.55	6,310.63	31.76	32.50	-143.41	712.61	-288.45	1,204.14	1,145.08	59.06	20.388		
6,534.50	6,397.43	6,452.24	6,342.33	31.93	32.61	-143.60	712.69	-288.89	1,210.58	1,151.26	59.32	20.409		
6,550.00	6,412.60	6,466.51	6,356.60	32.01	32.66	-138.84	712.73	-289.11	1,213.31	1,153.88	59.43	20.416		
6,600.00	6,461.82	6,514.54	6,404.61	32.24	32.83	-117.41	712.92	-289.91	1,219.68	1,159.87	59.81	20.393		
6,650.00	6,511.25	6,565.16	6,455.23	32.45	33.01	-88.61	713.33	-290.77	1,222.19	1,161.98	60.20	20.302		
6,700.00	6,560.58	6,613.28	6,503.34	32.64	33.18	-63.86	713.95	-291.61	1,220.83	1,160.28	60.55	20.162		
6,750.00	6,609.51	6,659.78	6,549.82	32.83	33.34	-48.47	714.70	-292.56	1,215.75	1,154.88	60.87	19.974		
6,800.00	6,657.74	6,706.44	6,596.46	33.01	33.51	-39.52	715.64	-293.63	1,206.97	1,145.80	61.17	19.731		
6,850.00	6,704.97	6,752.61	6,642.60	33.18	33.68	-34.16	716.76	-294.80	1,194.52	1,133.06	61.46	19.437		
6,900.00	6,750.90	6,799.09	6,689.04	33.36	33.84	-30.88	718.08	-296.06	1,178.46	1,116.72	61.74	19.088		
6,950.00	6,795.26	6,844.48	6,734.40	33.54	34.01	-28.90	719.51	-297.31	1,158.85	1,096.85	62.00	18.690		
7,000.00	6,837.77	6,889.98	6,782.85	33.73	34.19	-27.91	721.11	-298.56	1,135.75	1,073.45	62.30	18.229		
7,050.00	6,878.17	6,939.98	6,829.82	33.92	34.36	-27.67	722.59	-299.50	1,109.18	1,046.60	62.59	17.722		
7,100.00	6,916.21	6,977.40	6,867.21	34.13	34.50	-27.94	723.78	-300.16	1,079.48	1,016.72	62.76	17.201		
7,150.00	6,951.66	7,012.05	6,901.83	34.36	34.63	-28.79	724.98	-300.86	1,046.98	984.08	62.90	16.644		
7,200.00	6,984.29	7,045.23	6,934.98	34.61	34.75	-30.28	726.22	-301.60	1,011.90	948.85	63.04	16.051		
7,250.00	7,013.91	7,076.69	6,966.41	34.89	34.87	-32.52	727.48	-302.30	974.39	911.21	63.18	15.422		
7,300.00	7,040.34	7,104.89	6,994.58	35.20	34.98	-35.61	728.69	-302.93	934.73	871.43	63.30	14.766		
7,350.00	7,063.40	7,129.67	7,019.32	35.55	35.07	-39.77	729.81	-303.48	893.18	829.77	63.41	14.086		
7,400.00	7,082.97	7,148.45	7,038.09	35.94	35.14	-45.06	730.65	-303.92	850.09	786.62	63.47	13.393		
7,450.00	7,098.91	7,164.65	7,054.26	36.36	35.20	-51.93	731.38	-304.32	805.75	742.20	63.55	12.679		
7,500.00	7,111.13	7,177.42	7,067.01	36.83	35.25	-60.52	731.95	-304.64	760.47	696.84	63.63	11.951		
7,550.00	7,119.55	7,186.64	7,076.22	37.34	35.29	-70.66	732.36	-304.89	714.58	650.85	63.73	11.212		
7,600.00	7,124.13	7,192.22	7,081.80	37.88	35.31	-81.71	732.61	-305.04	668.43	604.56	63.86	10.467		
7,639.68	7,125.00	7,194.03	7,083.60	38.33	35.31	-90.39	732.69	-305.08	631.85	567.85	64.00	9.873		
7,700.00	7,124.48	7,194.98	7,084.55	39.05	35.32	-90.61	732.73	-305.11	576.87	512.58	64.28	8.974		
7,800.00	7,123.60	7,196.59	7,086.16	40.40	35.32	-90.98	732.80	-305.15	488.50	423.37	65.13	7.500		
7,900.00	7,122.72	7,198.22	7,087.78	41.90	35.33	-91.36	732.88	-305.20	405.56	338.75	66.81	6.070		
8,000.00	7,121.84	7,199.87	7,089.43	43.54	35.34	-91.74	732.95	-305.24	332.14	262.14	70.00	4.745		
8,100.00	7,120.97	7,201.54	7,091.10	45.30	35.34	-92.12	733.02	-305.29	275.97	200.69	75.28	3.666		
8,200.00	7,120.09	7,203.23	7,092.79	47.17	35.35	-92.51	733.10	-305.34	248.98	167.83	81.14	3.068		
8,220.86	7,119.91	7,203.59	7,093.15	47.58	35.35	-92.60	733.11	-305.35	248.10	166.06	82.04	3.024 CC, ES, SF		
8,300.00	7,119.21	7,204.95	7,094.50	49.13	35.36	-92.91	733.17	-305.38	260.41	176.99	83.42	3.122		
8,400.00	7,118.33	7,206.69	7,096.24	51.18	35.36	-93.31	733.25	-305.43	306.00	224.44	81.56	3.752		
8,500.00	7,117.46	7,208.45	7,098.00	53.30	35.37	-93.72	733.33	-305.48	373.43	294.90	78.53	4.756		
8,600.00	7,116.58	7,210.24	7,099.79	55.48	35.38	-94.13	733.41	-305.53	453.05	377.15	75.91	5.969		
8,700.00	7,115.70	7,212.05	7,101.60	57.72	35.38	-94.55	733.49	-305.58	539.50	465.56	73.94	7.297		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	7,213.89	7,103.43	60.02	35.39	-94.97	733.57	-305.63	629.96	557.47	72.49	8.690		
8,900.00	7,113.95	7,215.75	7,105.29	62.36	35.40	-95.40	733.65	-305.69	722.94	651.52	71.42	10.123		
9,000.00	7,113.07	7,217.64	7,107.18	64.74	35.40	-95.84	733.74	-305.74	817.57	746.97	70.61	11.579		
9,100.00	7,112.19	7,219.56	7,109.10	67.15	35.41	-96.28	733.82	-305.80	913.34	843.36	69.98	13.051		
9,200.00	7,111.31	7,221.51	7,111.04	69.60	35.42	-96.73	733.90	-305.85	1,009.93	940.44	69.49	14.534		
9,300.00	7,110.44	7,221.59	7,111.12	72.08	35.42	-96.75	733.90	-305.85	1,107.14	1,038.03	69.10	16.021		
9,400.00	7,109.56	7,223.15	7,112.68	74.58	35.42	-97.10	733.97	-305.89	1,204.79	1,136.00	68.79	17.515		
9,500.00	7,108.68	7,224.70	7,114.23	77.10	35.43	-97.46	734.03	-305.93	1,302.79	1,234.27	68.53	19.011		
9,600.00	7,107.81	7,226.24	7,115.77	79.65	35.44	-97.81	734.10	-305.97	1,401.08	1,332.77	68.31	20.510		
9,700.00	7,106.93	7,227.77	7,117.29	82.22	35.44	-98.16	734.16	-306.02	1,499.59	1,431.46	68.13	22.010		
9,800.00	7,106.05	7,229.28	7,118.80	84.80	35.45	-98.51	734.23	-306.06	1,598.28	1,530.30	67.98	23.511		
9,900.00	7,105.17	7,230.78	7,120.30	87.40	35.45	-98.85	734.29	-306.10	1,697.13	1,629.27	67.85	25.011		
10,000.00	7,104.30	7,232.26	7,121.78	90.02	35.46	-99.19	734.35	-306.14	1,796.10	1,728.35	67.75	26.511		
10,100.00	7,103.42	7,233.74	7,123.25	92.64	35.46	-99.52	734.41	-306.18	1,895.18	1,827.52	67.66	28.011		
10,200.00	7,102.54	7,235.20	7,124.71	95.28	35.47	-99.85	734.47	-306.22	1,994.35	1,926.77	67.58	29.510		
10,300.00	7,101.66	7,236.64	7,126.16	97.94	35.47	-100.18	734.53	-306.25	2,093.60	2,026.08	67.52	31.008		
10,400.00	7,100.79	7,238.08	7,127.59	100.60	35.48	-100.51	734.59	-306.29	2,192.91	2,125.45	67.46	32.505		
10,500.00	7,099.91	7,239.50	7,129.01	103.27	35.49	-100.83	734.65	-306.33	2,292.28	2,224.86	67.42	34.000		
10,600.00	7,099.03	7,240.91	7,130.42	105.95	35.49	-101.15	734.71	-306.37	2,391.71	2,324.32	67.38	35.493		
10,700.00	7,098.15	7,242.31	7,131.82	108.64	35.50	-101.46	734.76	-306.41	2,491.18	2,423.82	67.36	36.985		
10,800.00	7,097.28	7,243.70	7,133.21	111.33	35.50	-101.78	734.82	-306.44	2,590.69	2,523.35	67.33	38.475		
10,900.00	7,096.40	7,245.08	7,134.58	114.04	35.51	-102.09	734.87	-306.48	2,690.23	2,622.92	67.32	39.964		
11,000.00	7,095.52	7,246.44	7,135.94	116.74	35.51	-102.39	734.93	-306.51	2,789.81	2,722.50	67.31	41.450		
11,100.00	7,094.64	7,247.79	7,137.30	119.46	35.52	-102.69	734.98	-306.55	2,889.42	2,822.12	67.30	42.934		
11,200.00	7,093.77	7,249.14	7,138.64	122.18	35.52	-102.99	735.03	-306.58	2,989.05	2,921.75	67.30	44.416		
11,300.00	7,092.89	7,250.47	7,139.97	124.91	35.53	-103.29	735.09	-306.62	3,088.70	3,021.40	67.30	45.895		
11,400.00	7,092.01	7,251.79	7,141.29	127.64	35.53	-103.58	735.14	-306.65	3,188.38	3,121.07	67.30	47.372		
11,500.00	7,091.13	7,253.10	7,142.59	130.38	35.54	-103.88	735.19	-306.69	3,288.07	3,220.76	67.31	48.847		
11,600.00	7,090.26	7,254.40	7,143.89	133.12	35.54	-104.16	735.24	-306.72	3,387.78	3,320.46	67.33	50.319		
11,700.00	7,089.38	7,255.69	7,145.18	135.86	35.55	-104.45	735.29	-306.75	3,487.51	3,420.17	67.34	51.788		
11,800.00	7,088.50	7,256.97	7,146.46	138.61	35.55	-104.73	735.34	-306.79	3,587.25	3,519.89	67.36	53.255		
11,900.00	7,087.63	7,258.23	7,147.72	141.36	35.56	-105.01	735.39	-306.82	3,687.01	3,619.63	67.38	54.719		
12,000.00	7,086.75	7,259.49	7,148.98	144.12	35.56	-105.29	735.44	-306.85	3,786.78	3,719.37	67.40	56.180		
12,100.00	7,085.87	7,260.74	7,150.23	146.88	35.56	-105.56	735.48	-306.88	3,886.56	3,819.13	67.43	57.639		
12,200.00	7,084.99	7,261.98	7,151.47	149.64	35.57	-105.83	735.53	-306.91	3,986.35	3,918.89	67.46	59.094		
12,300.00	7,084.12	7,263.21	7,152.69	152.40	35.57	-106.10	735.58	-306.95	4,086.15	4,018.66	67.49	60.546		
12,400.00	7,083.24	7,264.43	7,153.91	155.17	35.58	-106.36	735.62	-306.98	4,185.95	4,118.43	67.52	61.996		
12,500.00	7,082.36	7,265.64	7,155.12	157.94	35.58	-106.63	735.67	-307.01	4,285.77	4,218.22	67.55	63.442		
12,600.00	7,081.48	7,266.84	7,156.32	160.71	35.59	-106.89	735.71	-307.04	4,385.60	4,318.01	67.59	64.885		
12,700.00	7,080.61	7,268.03	7,157.51	163.49	35.59	-107.14	735.76	-307.07	4,485.43	4,417.80	67.63	66.325		
12,800.00	7,079.73	7,269.21	7,158.69	166.27	35.60	-107.40	735.80	-307.10	4,585.27	4,517.60	67.67	67.761		
12,900.00	7,078.85	7,270.38	7,159.86	169.04	35.60	-107.65	735.84	-307.13	4,685.12	4,617.41	67.71	69.194		
13,000.00	7,077.97	7,271.55	7,161.02	171.83	35.61	-107.90	735.89	-307.15	4,784.97	4,717.22	67.75	70.624		
13,100.00	7,077.10	7,272.70	7,162.18	174.61	35.61	-108.15	735.93	-307.18	4,884.83	4,817.03	67.80	72.050		
13,200.00	7,076.22	7,273.85	7,163.32	177.39	35.61	-108.39	735.97	-307.21	4,984.69	4,916.85	67.84	73.473		
13,300.00	7,075.34	7,274.98	7,164.46	180.18	35.62	-108.63	736.01	-307.24	5,084.56	5,016.67	67.89	74.893		
13,400.00	7,074.46	7,276.11	7,165.59	182.97	35.62	-108.87	736.05	-307.27	5,184.43	5,116.49	67.94	76.308		
13,500.00	7,073.59	7,277.23	7,166.71	185.76	35.63	-109.11	736.09	-307.30	5,284.31	5,216.32	67.99	77.720		
13,600.00	7,072.71	7,278.35	7,167.82	188.55	35.63	-109.34	736.13	-307.32	5,384.19	5,316.15	68.04	79.129		
13,700.00	7,071.83	7,279.45	7,168.92	191.34	35.64	-109.58	736.17	-307.35	5,484.08	5,415.98	68.10	80.534		
13,800.00	7,070.95	7,280.55	7,170.01	194.14	35.64	-109.81	736.21	-307.38	5,583.97	5,515.81	68.15	81.935		
13,900.00	7,070.08	7,281.63	7,171.10	196.93	35.64	-110.04	736.25	-307.40	5,683.86	5,615.65	68.21	83.332		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	7,282.71	7,172.18	199.73	35.65	-110.26	736.29	-307.43	5,783.76	5,715.49	68.26	84.725		
14,100.00	7,068.32	7,283.78	7,173.25	202.53	35.65	-110.48	736.33	-307.45	5,883.66	5,815.33	68.32	86.115		
14,200.00	7,067.45	7,284.85	7,174.31	205.33	35.66	-110.71	736.37	-307.48	5,983.56	5,915.18	68.38	87.500		
14,300.00	7,066.57	7,285.90	7,175.37	208.13	35.66	-110.92	736.40	-307.51	6,083.46	6,015.02	68.44	88.882		
14,400.00	7,065.69	7,286.95	7,176.41	210.93	35.66	-111.14	736.44	-307.53	6,183.37	6,114.87	68.51	90.260		
14,500.00	7,064.81	7,287.99	7,177.45	213.73	35.67	-111.36	736.48	-307.56	6,283.29	6,214.72	68.57	91.634		
14,600.00	7,063.94	7,289.03	7,178.49	216.54	35.67	-111.57	736.51	-307.58	6,383.20	6,314.56	68.63	93.003		
14,700.00	7,063.06	7,290.05	7,179.51	219.34	35.67	-111.78	736.55	-307.61	6,483.12	6,414.42	68.70	94.369		
14,800.00	7,062.18	7,291.07	7,180.53	222.15	35.68	-111.99	736.58	-307.63	6,583.03	6,514.27	68.77	95.730		
14,900.00	7,061.30	7,292.08	7,181.54	224.95	35.68	-112.19	736.62	-307.65	6,682.96	6,614.12	68.83	97.088		
15,000.00	7,060.43	7,293.09	7,182.54	227.76	35.69	-112.40	736.65	-307.68	6,782.88	6,713.98	68.90	98.441		
15,100.00	7,059.55	7,294.08	7,183.54	230.57	35.69	-112.60	736.69	-307.70	6,882.80	6,813.83	68.97	99.790		
15,200.00	7,058.67	7,295.07	7,184.53	233.38	35.69	-112.80	736.72	-307.72	6,982.73	6,913.69	69.04	101.135		
15,300.00	7,057.79	7,296.06	7,185.51	236.19	35.70	-113.00	736.75	-307.75	7,082.66	7,013.54	69.12	102.475		
15,400.00	7,056.92	7,297.03	7,186.48	239.00	35.70	-113.20	736.79	-307.77	7,182.59	7,113.40	69.19	103.812		
15,500.00	7,056.04	7,298.00	7,187.45	241.81	35.70	-113.39	736.82	-307.79	7,282.52	7,213.26	69.26	105.144		
15,600.00	7,055.16	7,298.96	7,188.41	244.62	35.71	-113.58	736.85	-307.82	7,382.46	7,313.12	69.34	106.471		
15,700.00	7,054.28	7,299.92	7,189.37	247.43	35.71	-113.77	736.88	-307.84	7,482.39	7,412.98	69.41	107.795		
15,800.00	7,053.41	7,300.87	7,190.32	250.25	35.72	-113.96	736.91	-307.86	7,582.33	7,512.84	69.49	109.114		
15,846.35	7,053.00	7,301.31	7,190.76	251.55	35.72	-114.05	736.93	-307.87	7,628.65	7,559.12	69.53	109.724		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-74.90	258.68	-958.71	993.80					
100.00	100.00	56.55	56.55	3.28	3.29	-74.90	258.77	-958.76	993.07	986.50	6.57	151.112		
200.00	200.00	148.71	148.70	3.34	3.34	-74.85	259.72	-959.21	993.81	987.14	6.68	148.864		
300.00	299.98	246.70	246.68	3.44	3.44	-119.32	261.65	-959.98	995.95	989.06	6.89	144.564		
400.00	399.84	331.16	331.09	3.61	3.57	-119.35	263.93	-961.18	1,000.59	993.40	7.18	139.286		
500.00	499.45	404.24	404.07	3.81	3.72	-119.40	266.75	-963.51	1,008.99	1,001.44	7.54	133.742		
600.00	598.70	478.42	478.02	4.06	3.89	-119.45	270.97	-967.62	1,021.80	1,013.82	7.97	128.165		
700.00	697.47	552.88	552.08	4.35	4.08	-119.51	276.35	-973.14	1,038.57	1,030.11	8.46	122.818		
800.00	795.62	624.58	623.20	4.66	4.30	-119.60	282.01	-980.17	1,059.53	1,050.55	8.98	117.989		
817.50	812.73	638.21	636.71	4.73	4.34	-119.62	283.12	-981.69	1,063.60	1,054.52	9.08	117.132		
900.00	893.32	703.00	700.81	5.01	4.56	-120.10	288.41	-989.44	1,083.70	1,074.15	9.55	113.460		
1,000.00	991.01	782.13	778.92	5.38	4.85	-120.65	295.40	-999.99	1,109.63	1,099.47	10.15	109.273		
1,100.00	1,088.69	869.91	865.43	5.77	5.20	-121.22	303.57	-1,012.42	1,136.59	1,125.78	10.81	105.142		
1,200.00	1,186.38	936.76	931.19	6.18	5.49	-121.67	309.40	-1,022.90	1,165.07	1,153.65	11.42	102.049		
1,300.00	1,284.06	995.54	988.77	6.60	5.76	-122.12	313.51	-1,034.02	1,196.40	1,184.41	12.00	99.719		
1,400.00	1,381.75	1,050.16	1,041.89	7.03	6.03	-122.52	317.65	-1,045.99	1,230.80	1,218.24	12.56	97.998		
1,500.00	1,479.44	1,109.24	1,098.90	7.47	6.35	-122.91	322.93	-1,060.55	1,268.08	1,254.94	13.14	96.517		
1,600.00	1,577.12	1,178.04	1,164.84	7.91	6.74	-123.34	329.65	-1,079.03	1,307.62	1,293.85	13.77	94.984		
1,700.00	1,674.81	1,268.86	1,251.80	8.37	7.30	-123.87	338.36	-1,103.71	1,347.63	1,333.10	14.53	92.770		
1,800.00	1,772.49	1,344.54	1,324.01	8.82	7.79	-124.27	346.34	-1,124.91	1,388.59	1,373.37	15.22	91.258		
1,900.00	1,870.18	1,448.10	1,422.78	9.28	8.49	-124.66	359.84	-1,152.95	1,429.04	1,412.93	16.10	88.749		
2,000.00	1,967.87	1,513.00	1,484.41	9.75	8.95	-124.86	369.19	-1,171.02	1,470.46	1,453.71	16.75	87.782		
2,100.00	2,065.55	1,588.81	1,556.04	10.22	9.51	-125.07	380.55	-1,193.06	1,513.17	1,495.68	17.48	86.547		
2,200.00	2,163.24	1,701.56	1,662.49	10.69	10.36	-125.31	398.55	-1,225.56	1,555.81	1,537.31	18.50	84.085		
2,300.00	2,260.92	1,818.65	1,773.41	11.16	11.25	-125.48	418.66	-1,257.21	1,596.91	1,577.33	19.58	81.560		
2,400.00	2,358.61	1,923.27	1,872.79	11.64	12.03	-125.59	437.53	-1,283.93	1,636.68	1,616.10	20.58	79.538		
2,500.00	2,456.30	2,032.10	1,976.40	12.12	12.84	-125.71	456.68	-1,311.15	1,675.95	1,654.33	21.62	77.529		
2,600.00	2,553.98	2,103.70	2,044.65	12.59	13.38	-125.79	469.09	-1,328.91	1,715.01	1,692.64	22.37	76.653		
2,700.00	2,651.67	2,203.77	2,139.74	13.08	14.14	-125.90	486.55	-1,354.73	1,755.03	1,731.67	23.36	75.125		
2,800.00	2,749.35	2,290.14	2,222.13	13.56	14.80	-126.02	500.63	-1,376.48	1,794.30	1,770.06	24.24	74.025		
2,900.00	2,847.04	2,366.62	2,294.99	14.04	15.39	-126.14	512.64	-1,396.39	1,834.31	1,809.27	25.04	73.257		
3,000.00	2,944.72	2,453.13	2,377.07	14.52	16.06	-126.24	527.45	-1,419.33	1,874.94	1,849.01	25.93	72.309		
3,100.00	3,042.41	2,533.17	2,452.92	15.01	16.71	-126.30	541.64	-1,440.59	1,915.70	1,888.93	26.78	71.547		
3,200.00	3,140.10	2,606.28	2,521.71	15.50	17.31	-126.30	556.42	-1,460.47	1,957.35	1,929.78	27.57	70.997		
3,300.00	3,237.78	2,689.88	2,599.83	15.98	18.02	-126.24	575.26	-1,483.48	1,999.61	1,971.14	28.47	70.228		
3,400.00	3,335.47	2,773.99	2,678.42	16.47	18.74	-126.17	596.73	-1,509.36	2,041.50	1,999.18	29.33	69.444		
3,500.00	3,433.15	2,858.50	2,757.03	16.96	19.46	-126.07	618.50	-1,535.35	2,083.89	2,021.24	30.15	68.655		
3,600.00	3,530.84	2,943.41	2,836.54	17.45	20.18	-125.97	640.55	-1,561.34	2,126.29	2,063.34	30.93	67.911		
3,700.00	3,628.53	3,028.54	2,916.67	17.94	20.90	-125.87	662.62	-1,587.32	2,168.73	2,104.33	31.67	67.202		
3,800.00	3,726.21	3,113.83	3,000.00	18.43	21.62	-125.76	684.73	-1,613.29	2,210.16	2,144.33	32.37	66.528		
3,900.00	3,823.90	3,199.12	3,083.28	18.92	22.34	-125.66	706.84	-1,639.26	2,250.59	2,183.33	33.03	65.889		
4,000.00	3,921.58	3,284.41	3,166.57	19.41	23.06	-125.55	728.95	-1,665.23	2,290.02	2,221.33	33.67	65.285		
4,100.00	4,019.27	3,369.70	3,249.86	19.90	23.78	-125.45	751.06	-1,691.20	2,328.45	2,259.33	34.29	64.716		
4,200.00	4,116.96	3,455.00	3,333.15	20.39	24.50	-125.34	773.17	-1,717.17	2,365.88	2,295.33	34.80	64.181		
4,300.00	4,214.64	3,540.29	3,416.44	20.88	25.22	-125.24	795.28	-1,743.14	2,402.31	2,330.33	35.29	63.680		
4,400.00	4,312.33	3,625.58	3,499.73	21.37	25.94	-125.14	817.39	-1,769.11	2,437.74	2,364.33	35.77	63.212		
4,500.00	4,410.01	3,710.87	3,583.02	21.87	26.66	-125.03	839.50	-1,795.08	2,472.17	2,397.33	36.24	62.777		
4,600.00	4,507.70	3,796.16	3,666.31	22.36	27.38	-124.93	861.61	-1,821.05	2,505.60	2,429.33	36.69	62.375		
4,700.00	4,605.39	3,881.45	3,749.60	22.85	28.10	-124.82	883.72	-1,847.02	2,538.03	2,460.33	37.13	61.996		
4,800.00	4,703.07	3,966.74	3,832.89	23.35	28.82	-124.72	905.83	-1,873.00	2,569.46	2,490.33	37.55	61.640		
4,900.00	4,800.76	4,052.03	3,916.18	23.84	29.54	-124.61	927.94	-1,899.00	2,600.89	2,520.33	37.96	61.317		
5,000.00	4,898.44	4,137.32	4,000.00	24.33	30.26	-124.50	950.05	-1,925.00	2,631.32	2,550.33	38.36	61.028		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	5,074.45	4,963.01	24.83	27.61	-134.03	694.20	-1,603.13	2,291.86	2,243.79	48.06	47.684		
5,200.00	5,093.82	5,162.09	5,050.65	25.32	27.90	-134.37	694.24	-1,603.05	2,306.86	2,257.97	48.89	47.189		
5,300.00	5,191.50	5,244.29	5,132.85	25.82	28.19	-134.67	694.55	-1,603.44	2,322.50	2,272.81	49.69	46.736		
5,400.00	5,289.19	5,340.26	5,228.82	26.31	28.53	-135.03	694.87	-1,604.26	2,338.61	2,288.05	50.56	46.256		
5,500.00	5,386.87	5,416.73	5,305.27	26.81	28.80	-135.31	695.07	-1,605.30	2,355.29	2,303.96	51.34	45.879		
5,600.00	5,484.56	5,505.01	5,393.53	27.30	29.13	-135.61	695.93	-1,607.07	2,372.69	2,320.52	52.17	45.479		
5,700.00	5,582.25	5,637.63	5,526.10	27.80	29.62	-136.02	698.95	-1,609.32	2,389.87	2,336.66	53.21	44.911		
5,800.00	5,679.93	5,777.78	5,666.24	28.29	30.10	-136.52	698.91	-1,608.71	2,404.97	2,350.73	54.24	44.337		
5,900.00	5,777.62	5,854.82	5,743.28	28.79	30.35	-136.80	698.61	-1,608.15	2,420.00	2,364.99	55.01	43.988		
6,000.00	5,875.30	5,941.06	5,829.52	29.28	30.64	-137.11	698.36	-1,608.19	2,435.86	2,380.03	55.83	43.634		
6,100.00	5,972.99	6,029.83	5,918.29	29.78	30.95	-137.42	698.27	-1,608.55	2,452.15	2,395.50	56.65	43.285		
6,200.00	6,070.67	6,114.35	6,002.81	30.27	31.26	-137.70	698.47	-1,609.28	2,468.94	2,411.48	57.46	42.965		
6,300.00	6,168.36	6,193.58	6,082.02	30.77	31.56	-137.95	699.17	-1,610.49	2,486.43	2,428.17	58.25	42.684		
6,400.00	6,266.05	6,283.70	6,172.11	31.26	31.91	-138.21	700.66	-1,612.54	2,504.62	2,445.52	59.10	42.380		
6,500.00	6,363.73	6,433.29	6,321.66	31.76	32.48	-138.64	703.12	-1,614.37	2,521.85	2,461.62	60.23	41.869		
6,534.50	6,397.43	6,464.10	6,352.47	31.93	32.59	-138.74	703.01	-1,614.40	2,527.50	2,466.98	60.52	41.765		
6,550.00	6,412.60	6,477.94	6,366.31	32.01	32.64	-133.98	702.87	-1,614.42	2,529.86	2,469.22	60.64	41.717		
6,600.00	6,461.82	6,520.44	6,408.80	32.24	32.79	-112.45	702.26	-1,614.52	2,535.03	2,474.00	61.03	41.534		
6,650.00	6,511.25	6,562.06	6,450.42	32.45	32.94	-83.52	701.72	-1,614.75	2,536.46	2,475.06	61.41	41.306		
6,700.00	6,560.58	6,633.62	6,521.97	32.64	33.18	-58.71	700.78	-1,615.08	2,533.99	2,472.10	61.90	40.940		
6,750.00	6,609.51	6,707.91	6,596.24	32.83	33.43	-43.26	699.35	-1,614.43	2,526.96	2,464.59	62.37	40.515		
6,800.00	6,657.74	6,765.95	6,654.26	33.01	33.63	-34.15	698.17	-1,613.58	2,515.86	2,453.10	62.75	40.091		
6,850.00	6,704.97	6,813.13	6,701.43	33.18	33.79	-28.53	697.46	-1,612.82	2,500.91	2,437.84	63.08	39.648		
6,900.00	6,750.90	6,859.70	6,747.99	33.36	33.95	-24.90	697.17	-1,612.10	2,482.29	2,418.91	63.38	39.164		
6,950.00	6,795.26	6,895.89	6,784.19	33.54	34.07	-22.46	697.11	-1,611.62	2,460.21	2,396.58	63.63	38.663		
7,000.00	6,837.77	6,932.05	6,820.34	33.73	34.20	-20.82	697.13	-1,611.24	2,434.82	2,370.95	63.86	38.125		
7,050.00	6,878.17	6,970.07	6,858.36	33.92	34.34	-19.79	697.25	-1,610.93	2,406.25	2,342.15	64.09	37.542		
7,100.00	6,916.21	7,007.27	6,895.56	34.13	34.48	-19.22	697.47	-1,610.64	2,374.60	2,310.29	64.31	36.925		
7,150.00	6,951.66	7,041.95	6,930.23	34.36	34.60	-19.05	697.75	-1,610.40	2,340.07	2,275.57	64.50	36.280		
7,200.00	6,984.29	7,073.88	6,962.16	34.61	34.72	-19.25	698.09	-1,610.19	2,302.87	2,238.20	64.67	35.610		
7,250.00	7,013.91	7,102.87	6,991.15	34.89	34.83	-19.86	698.45	-1,610.01	2,263.22	2,198.40	64.82	34.917		
7,300.00	7,040.34	7,128.74	7,017.01	35.20	34.92	-20.94	698.83	-1,609.87	2,221.36	2,156.41	64.94	34.204		
7,350.00	7,063.40	7,150.52	7,038.79	35.55	35.00	-22.65	699.14	-1,609.75	2,177.55	2,112.50	65.05	33.474		
7,400.00	7,082.97	7,169.18	7,057.45	35.94	35.08	-25.27	699.41	-1,609.66	2,132.07	2,066.93	65.14	32.729		
7,450.00	7,098.91	7,184.35	7,072.62	36.36	35.13	-29.35	699.63	-1,609.59	2,085.18	2,019.96	65.22	31.973		
7,500.00	7,111.13	7,195.94	7,084.21	36.83	35.18	-36.04	699.79	-1,609.54	2,037.17	1,971.89	65.28	31.208		
7,550.00	7,119.55	7,203.87	7,092.14	37.34	35.21	-47.88	699.91	-1,609.50	1,988.33	1,923.00	65.32	30.438		
7,600.00	7,124.13	7,208.08	7,096.35	37.88	35.22	-70.08	699.96	-1,609.49	1,938.96	1,873.59	65.36	29.665		
7,639.68	7,125.00	7,208.75	7,097.02	38.33	35.23	-97.10	699.97	-1,609.48	1,899.59	1,834.21	65.38	29.053		
7,700.00	7,124.48	7,207.96	7,096.23	39.05	35.22	-96.91	699.96	-1,609.49	1,839.73	1,774.32	65.42	28.124		
7,800.00	7,123.60	7,206.66	7,094.93	40.40	35.22	-96.59	699.94	-1,609.49	1,740.57	1,675.09	65.48	26.582		
7,900.00	7,122.72	7,205.35	7,093.62	41.90	35.21	-96.26	699.93	-1,609.50	1,641.50	1,575.94	65.56	25.037		
8,000.00	7,121.84	7,204.03	7,092.30	43.54	35.21	-95.94	699.91	-1,609.50	1,542.56	1,476.89	65.67	23.490		
8,100.00	7,120.97	7,202.71	7,090.98	45.30	35.20	-95.61	699.89	-1,609.51	1,443.76	1,377.95	65.80	21.940		
8,200.00	7,120.09	7,201.39	7,089.66	47.17	35.20	-95.28	699.87	-1,609.51	1,345.13	1,279.15	65.98	20.386		
8,300.00	7,119.21	7,200.06	7,088.33	49.13	35.19	-94.95	699.85	-1,609.52	1,246.72	1,180.51	66.21	18.829		
8,400.00	7,118.33	7,198.73	7,087.00	51.18	35.19	-94.62	699.83	-1,609.53	1,148.59	1,082.07	66.52	17.267		
8,500.00	7,117.46	7,197.39	7,085.66	53.30	35.18	-94.29	699.81	-1,609.53	1,050.81	983.88	66.93	15.701		
8,600.00	7,116.58	7,196.05	7,084.32	55.48	35.18	-93.96	699.79	-1,609.54	953.48	886.00	67.48	14.129		
8,700.00	7,115.70	7,194.71	7,082.98	57.72	35.17	-93.62	699.77	-1,609.54	856.77	788.51	68.25	12.553		
8,800.00	7,114.82	7,193.36	7,081.63	60.02	35.17	-93.29	699.76	-1,609.55	760.90	691.56	69.35	10.972		
8,900.00	7,113.95	7,192.00	7,080.27	62.36	35.16	-92.95	699.74	-1,609.55	666.25	595.32	70.94	9.392		

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 32C-6-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 32C-6-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	7,113.07	7,190.64	7,078.91	64.74	35.16	-92.61	699.72	-1,609.56	573.42	500.11	73.31	7.822		
9,100.00	7,112.19	7,189.28	7,077.55	67.15	35.15	-92.27	699.70	-1,609.57	483.45	406.51	76.94	6.284		
9,200.00	7,111.31	7,187.91	7,076.18	69.60	35.15	-91.93	699.68	-1,609.57	398.28	315.73	82.56	4.824		
9,300.00	7,110.44	7,186.54	7,074.81	72.08	35.14	-91.59	699.66	-1,609.58	321.77	230.71	91.06	3.534		
9,400.00	7,109.56	7,185.16	7,073.43	74.58	35.14	-91.24	699.64	-1,609.59	261.60	159.36	102.24	2.559		
9,500.00	7,108.68	7,183.78	7,072.05	77.10	35.13	-90.90	699.62	-1,609.59	230.94	119.93	111.01	2.080		
9,525.53	7,108.46	7,183.43	7,071.70	77.75	35.13	-90.81	699.61	-1,609.59	229.52	117.82	111.70	2.055 CC, ES, SF		
9,600.00	7,107.81	7,182.39	7,070.66	79.65	35.13	-90.55	699.60	-1,609.60	241.30	132.06	109.23	2.209		
9,700.00	7,106.93	7,181.00	7,069.27	82.22	35.12	-90.20	699.58	-1,609.60	288.29	188.18	100.11	2.880		
9,800.00	7,106.05	7,179.61	7,067.88	84.80	35.11	-89.86	699.56	-1,609.61	357.77	266.49	91.28	3.920		
9,900.00	7,105.17	7,178.21	7,066.48	87.40	35.11	-89.51	699.54	-1,609.62	439.18	354.32	84.86	5.175		
10,000.00	7,104.30	7,176.80	7,065.07	90.02	35.10	-89.16	699.52	-1,609.62	527.03	446.57	80.45	6.551		
10,100.00	7,103.42	7,175.39	7,063.66	92.64	35.10	-88.80	699.50	-1,609.63	618.57	541.16	77.41	7.991		
10,200.00	7,102.54	7,173.98	7,062.25	95.28	35.09	-88.45	699.48	-1,609.64	712.39	637.14	75.25	9.467		
10,300.00	7,101.66	7,172.56	7,060.83	97.94	35.09	-88.10	699.46	-1,609.64	807.69	734.02	73.67	10.963		
10,400.00	7,100.79	7,171.13	7,059.40	100.60	35.08	-87.74	699.44	-1,609.65	904.01	831.51	72.50	12.469		
10,500.00	7,099.91	7,169.70	7,057.97	103.27	35.08	-87.39	699.42	-1,609.66	1,001.04	929.44	71.60	13.981		
10,600.00	7,099.03	7,168.27	7,056.54	105.95	35.07	-87.03	699.40	-1,609.66	1,098.61	1,027.71	70.90	15.496		
10,700.00	7,098.15	7,166.83	7,055.10	108.64	35.07	-86.67	699.38	-1,609.67	1,196.57	1,126.23	70.34	17.011		
10,800.00	7,097.28	7,165.38	7,053.66	111.33	35.06	-86.31	699.35	-1,609.68	1,294.85	1,224.95	69.90	18.525		
10,900.00	7,096.40	7,163.94	7,052.21	114.04	35.06	-85.95	699.33	-1,609.68	1,393.37	1,323.83	69.53	20.039		
11,000.00	7,095.52	7,162.48	7,050.75	116.74	35.05	-85.59	699.31	-1,609.69	1,492.08	1,422.85	69.24	21.550		
11,100.00	7,094.64	7,161.02	7,049.29	119.46	35.04	-85.23	699.29	-1,609.70	1,590.96	1,521.97	68.99	23.060		
11,200.00	7,093.77	7,159.56	7,047.83	122.18	35.04	-84.87	699.27	-1,609.71	1,689.96	1,621.18	68.79	24.568		
11,300.00	7,092.89	7,158.09	7,046.36	124.91	35.03	-84.51	699.25	-1,609.71	1,789.08	1,720.46	68.62	26.074		
11,400.00	7,092.01	7,156.61	7,044.89	127.64	35.03	-84.15	699.23	-1,609.72	1,888.28	1,819.81	68.47	27.577		
11,500.00	7,091.13	7,155.13	7,043.41	130.38	35.02	-83.78	699.21	-1,609.73	1,987.57	1,919.22	68.35	29.078		
11,600.00	7,090.26	7,153.65	7,041.92	133.12	35.02	-83.42	699.19	-1,609.74	2,086.92	2,018.67	68.25	30.576		
11,700.00	7,089.38	7,152.16	7,040.43	135.86	35.01	-83.05	699.16	-1,609.74	2,186.33	2,118.16	68.17	32.072		
11,800.00	7,088.50	7,150.66	7,038.94	138.61	35.01	-82.69	699.14	-1,609.75	2,285.79	2,217.70	68.10	33.566		
11,900.00	7,087.63	7,149.16	7,037.44	141.36	35.00	-82.32	699.12	-1,609.76	2,385.30	2,317.26	68.04	35.056		
12,000.00	7,086.75	7,147.66	7,035.93	144.12	34.99	-81.95	699.10	-1,609.77	2,484.84	2,416.85	68.00	36.544		
12,100.00	7,085.87	7,146.15	7,034.42	146.88	34.99	-81.58	699.08	-1,609.77	2,584.42	2,516.46	67.96	38.030		
12,200.00	7,084.99	7,144.63	7,032.90	149.64	34.98	-81.22	699.05	-1,609.78	2,684.03	2,616.10	67.93	39.512		
12,300.00	7,084.12	7,143.11	7,031.38	152.40	34.98	-80.85	699.03	-1,609.79	2,783.67	2,715.76	67.91	40.992		
12,400.00	7,083.24	7,141.71	7,029.98	155.17	34.97	-80.51	699.03	-1,609.80	2,883.33	2,815.44	67.89	42.470		
12,500.00	7,082.36	7,140.16	7,028.43	157.94	34.96	-80.13	699.01	-1,609.80	2,983.01	2,915.13	67.88	43.944		
12,600.00	7,081.48	7,138.60	7,026.88	160.71	34.96	-79.76	698.98	-1,609.81	3,082.71	3,014.84	67.88	45.415		
12,700.00	7,080.61	7,137.05	7,025.32	163.49	34.95	-79.38	698.96	-1,609.82	3,182.43	3,114.55	67.88	46.883		
12,800.00	7,079.73	7,135.48	7,023.76	166.27	34.95	-79.01	698.93	-1,609.83	3,282.17	3,214.29	67.89	48.349		
12,900.00	7,078.85	7,133.92	7,022.19	169.04	34.94	-78.64	698.91	-1,609.84	3,381.92	3,314.03	67.90	49.811		
13,000.00	7,077.97	7,132.35	7,020.62	171.83	34.93	-78.26	698.88	-1,609.85	3,481.69	3,413.78	67.91	51.270		
13,100.00	7,077.10	7,130.77	7,019.05	174.61	34.93	-77.89	698.86	-1,609.85	3,581.47	3,513.54	67.93	52.725		
13,200.00	7,076.22	7,129.19	7,017.47	177.39	34.92	-77.51	698.83	-1,609.86	3,681.25	3,613.31	67.95	54.178		
13,300.00	7,075.34	7,127.61	7,015.88	180.18	34.92	-77.14	698.81	-1,609.87	3,781.05	3,713.08	67.97	55.628		
13,400.00	7,074.46	7,126.02	7,014.29	182.97	34.91	-76.77	698.79	-1,609.88	3,880.86	3,812.87	68.00	57.074		
13,500.00	7,073.59	7,124.43	7,012.70	185.76	34.91	-76.39	698.76	-1,609.89	3,980.68	3,912.66	68.03	58.517		
13,600.00	7,072.71	7,122.83	7,011.11	188.55	34.90	-76.02	698.74	-1,609.90	4,080.51	4,012.45	68.06	59.957		
13,700.00	7,071.83	7,121.23	7,009.50	191.34	34.89	-75.65	698.71	-1,609.91	4,180.34	4,112.25	68.09	61.393		
13,800.00	7,070.95	7,119.62	7,007.90	194.14	34.89	-75.28	698.69	-1,609.92	4,280.19	4,212.06	68.13	62.826		
13,900.00	7,070.08	7,118.01	7,006.29	196.93	34.88	-74.90	698.67	-1,609.93	4,380.03	4,311.87	68.17	64.256		
14,000.00	7,069.20	7,116.40	7,004.67	199.73	34.88	-74.53	698.64	-1,609.93	4,479.89	4,411.68	68.21	65.682		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,068.32	7,114.78	7,003.06	202.53	34.87	-74.16	698.62	-1,609.94	4,579.75	4,511.50	68.25	67.104		
14,200.00	7,067.45	7,113.15	7,001.43	205.33	34.86	-73.79	698.60	-1,609.95	4,679.61	4,611.32	68.29	68.523		
14,300.00	7,066.57	7,111.53	6,999.80	208.13	34.86	-73.42	698.57	-1,609.96	4,779.48	4,711.15	68.34	69.939		
14,400.00	7,065.69	7,109.89	6,998.17	210.93	34.85	-73.05	698.55	-1,609.97	4,879.36	4,810.97	68.39	71.351		
14,500.00	7,064.81	7,108.26	6,996.54	213.73	34.85	-72.68	698.53	-1,609.98	4,979.24	4,910.81	68.43	72.759		
14,600.00	7,063.94	7,106.61	6,994.89	216.54	34.84	-72.31	698.50	-1,609.99	5,079.12	5,010.64	68.49	74.163		
14,700.00	7,063.06	7,104.97	6,993.25	219.34	34.83	-71.94	698.48	-1,610.00	5,179.01	5,110.48	68.54	75.564		
14,800.00	7,062.18	7,103.32	6,991.60	222.15	34.83	-71.57	698.46	-1,610.01	5,278.91	5,210.31	68.59	76.961		
14,900.00	7,061.30	7,101.66	6,989.94	224.95	34.82	-71.20	698.44	-1,610.02	5,378.80	5,310.15	68.65	78.354		
15,000.00	7,060.43	7,100.00	6,988.28	227.76	34.82	-70.84	698.41	-1,610.03	5,478.70	5,410.00	68.70	79.744		
15,100.00	7,059.55	7,098.34	6,986.62	230.57	34.81	-70.47	698.39	-1,610.04	5,578.60	5,509.84	68.76	81.129		
15,200.00	7,058.67	7,096.67	6,984.95	233.38	34.80	-70.10	698.37	-1,610.05	5,678.51	5,609.69	68.82	82.511		
15,300.00	7,057.79	7,094.99	6,983.28	236.19	34.80	-69.74	698.35	-1,610.06	5,778.42	5,709.53	68.88	83.889		
15,400.00	7,056.92	7,093.32	6,981.60	239.00	34.79	-69.38	698.33	-1,610.07	5,878.33	5,809.38	68.94	85.263		
15,500.00	7,056.04	7,091.63	6,979.91	241.81	34.79	-69.01	698.30	-1,610.08	5,978.24	5,909.23	69.01	86.633		
15,600.00	7,055.16	7,089.94	6,978.23	244.62	34.78	-68.65	698.28	-1,610.09	6,078.15	6,009.08	69.07	87.999		
15,700.00	7,054.28	7,088.25	6,976.53	247.43	34.77	-68.29	698.26	-1,610.10	6,178.07	6,108.94	69.14	89.361		
15,800.00	7,053.41	7,086.55	6,974.84	250.25	34.77	-67.93	698.24	-1,610.11	6,277.99	6,208.79	69.20	90.719		
15,846.35	7,053.00	7,085.77	6,974.05	251.55	34.76	-67.76	698.23	-1,610.11	6,324.30	6,255.07	69.23	91.347		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-76.52	227.71	-950.08	977.73					
100.00	100.00	57.13	57.13	3.28	3.29	-76.52	227.73	-950.18	977.10	970.53	6.57	148.675 CC, ES		
200.00	200.00	146.55	146.54	3.34	3.34	-76.52	227.90	-951.10	978.14	971.47	6.68	146.526		
300.00	299.98	250.04	250.02	3.44	3.45	-121.09	228.29	-952.60	980.55	973.66	6.89	142.242		
400.00	399.84	339.62	339.59	3.61	3.59	-121.27	228.41	-954.16	984.99	977.79	7.20	136.889		
500.00	499.45	438.73	438.65	3.81	3.79	-121.68	227.18	-956.78	991.85	984.26	7.60	130.586		
600.00	598.70	537.00	536.79	4.06	4.02	-122.38	223.19	-959.87	1,000.58	992.51	8.07	123.966		
700.00	697.47	619.20	618.69	4.35	4.25	-123.16	217.39	-963.68	1,012.34	1,003.76	8.58	117.997		
800.00	795.62	700.88	699.89	4.66	4.50	-124.08	210.27	-968.91	1,027.88	1,018.74	9.14	112.420		
817.50	812.73	716.56	715.47	4.73	4.55	-124.27	208.81	-970.04	1,030.99	1,021.73	9.25	111.416		
900.00	893.32	791.27	789.59	5.01	4.80	-125.46	201.34	-975.65	1,046.21	1,036.43	9.78	106.978		
1,000.00	991.01	880.88	878.41	5.38	5.13	-126.87	191.86	-982.78	1,065.68	1,055.23	10.45	101.960		
1,100.00	1,088.69	966.12	962.76	5.77	5.47	-128.21	182.07	-990.12	1,086.42	1,075.28	11.14	97.498		
1,200.00	1,186.38	1,034.10	1,029.78	6.18	5.77	-129.32	172.99	-996.99	1,109.26	1,097.47	11.79	94.081		
1,300.00	1,284.06	1,101.10	1,095.44	6.60	6.08	-130.46	162.77	-1,005.52	1,135.18	1,122.73	12.45	91.212		
1,400.00	1,381.75	1,174.20	1,166.76	7.03	6.44	-131.70	150.77	-1,016.15	1,163.62	1,150.48	13.14	88.560		
1,500.00	1,479.44	1,254.18	1,244.48	7.47	6.86	-133.05	136.62	-1,028.60	1,193.89	1,180.00	13.88	86.007		
1,600.00	1,577.12	1,327.26	1,315.19	7.91	7.26	-134.29	122.66	-1,040.74	1,226.00	1,211.40	14.59	84.003		
1,700.00	1,674.81	1,400.81	1,388.03	8.37	7.70	-135.52	107.87	-1,053.82	1,260.07	1,244.75	15.32	82.270		
1,800.00	1,772.49	1,483.85	1,465.76	8.82	8.21	-136.88	90.55	-1,069.26	1,295.74	1,279.64	16.11	80.452		
1,900.00	1,870.18	1,568.60	1,546.88	9.28	8.76	-138.25	71.67	-1,084.98	1,332.33	1,315.42	16.92	78.755		
2,000.00	1,967.87	1,672.08	1,645.70	9.75	9.44	-139.90	47.41	-1,103.76	1,369.55	1,351.68	17.88	76.616		
2,100.00	2,065.55	1,755.98	1,725.99	10.22	10.01	-141.17	27.81	-1,118.21	1,406.66	1,387.97	18.70	75.237		
2,200.00	2,163.24	1,816.29	1,783.37	10.69	10.44	-142.09	12.70	-1,128.99	1,445.41	1,426.08	19.33	74.756		
2,300.00	2,260.92	1,868.44	1,832.60	11.16	10.82	-142.87	-1.04	-1,139.34	1,486.78	1,466.88	19.89	74.734		
2,400.00	2,358.61	1,954.53	1,913.75	11.64	11.47	-144.10	-23.35	-1,157.46	1,529.73	1,509.00	20.74	73.767		
2,500.00	2,456.30	2,059.54	2,013.18	12.12	12.25	-145.46	-49.14	-1,179.27	1,572.70	1,550.96	21.74	72.343		
2,600.00	2,553.98	2,139.96	2,089.47	12.59	12.85	-146.44	-68.47	-1,195.82	1,615.88	1,593.35	22.53	71.732		
2,700.00	2,651.67	2,235.27	2,179.91	13.08	13.57	-147.54	-91.46	-1,215.21	1,659.34	1,635.89	23.44	70.779		
2,800.00	2,749.35	2,330.58	2,270.57	13.56	14.29	-148.58	-114.17	-1,233.86	1,702.46	1,678.10	24.36	69.888		
2,900.00	2,847.04	2,390.99	2,328.02	14.04	14.74	-149.20	-128.09	-1,246.31	1,746.63	1,721.67	24.96	69.976		
3,000.00	2,944.72	2,495.70	2,427.54	14.52	15.54	-150.20	-151.94	-1,268.44	1,791.53	1,765.57	25.96	69.018		
3,100.00	3,042.41	2,582.75	2,510.36	15.01	16.20	-151.01	-172.19	-1,286.06	1,836.10	1,809.30	26.80	68.519		
3,200.00	3,140.10	2,633.69	2,558.70	15.50	16.59	-151.46	-184.04	-1,296.88	1,881.78	1,854.48	27.30	68.923		
3,300.00	3,237.78	2,694.72	2,616.38	15.98	17.08	-151.97	-198.20	-1,310.92	1,929.16	1,901.26	27.90	69.153		
3,400.00	3,335.47	2,871.69	2,783.77	16.47	18.48	-153.47	-241.64	-1,348.34	1,976.34	1,946.76	29.59	66.801		
3,500.00	3,433.15	2,964.75	2,872.53	16.96	19.18	-154.23	-264.10	-1,365.00	2,020.38	1,989.90	30.49	66.275		
3,600.00	3,530.84	3,064.21	2,967.19	17.45	19.94	-155.04	-289.30	-1,382.25	2,064.71	2,033.27	31.45	65.660		
3,700.00	3,628.53	3,182.57	3,080.46	17.94	20.81	-155.93	-317.53	-1,401.70	2,107.92	2,075.36	32.57	64.728		
3,800.00	3,726.21	3,239.83	3,135.52	18.43	21.23	-156.29	-329.51	-1,411.82	2,151.34	2,118.21	33.13	64.929		
3,900.00	3,823.90	3,314.73	3,207.24	18.92	21.78	-156.74	-345.39	-1,426.49	2,196.44	2,162.58	33.85	64.880		
4,000.00	3,921.58	3,513.15	3,398.21	19.41	23.20	-158.01	-389.79	-1,456.67	2,237.95	2,202.29	35.67	62.744		
4,100.00	4,019.27	3,587.16	3,469.39	19.90	23.72	-158.52	-407.82	-1,465.83	2,278.96	2,242.56	36.40	62.612		
4,200.00	4,116.96	3,642.00	3,522.08	20.39	24.11	-158.88	-421.08	-1,473.29	2,321.11	2,284.15	36.96	62.804		
4,300.00	4,214.64	3,688.06	3,566.19	20.88	24.45	-159.17	-432.36	-1,480.28	2,364.88	2,327.45	37.43	63.179		
4,400.00	4,312.33	3,733.00	3,608.96	21.37	24.79	-159.44	-443.82	-1,487.93	2,410.54	2,372.66	37.88	63.636		
4,500.00	4,410.01	3,782.42	3,655.76	21.87	25.19	-159.75	-456.95	-1,496.92	2,457.78	2,419.42	38.37	64.057		
4,600.00	4,507.70	3,842.42	3,712.27	22.36	25.68	-160.12	-473.64	-1,508.18	2,506.23	2,467.28	38.96	64.336		
4,700.00	4,605.39	3,916.85	3,782.21	22.85	26.30	-160.58	-494.71	-1,522.44	2,555.41	2,515.72	39.69	64.384		
4,800.00	4,703.07	4,021.61	3,880.62	23.35	27.17	-161.21	-524.71	-1,542.22	2,604.70	2,563.97	40.73	63.943		
4,900.00	4,800.76	4,218.74	4,068.66	23.84	28.68	-162.13	-571.13	-1,578.37	2,650.72	2,608.09	42.63	62.176		
5,000.00	4,898.44	4,266.00	4,114.14	24.33	29.02	-162.27	-579.57	-1,588.10	2,696.69	2,653.60	43.09	62.583		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,996.13	4,329.24	4,174.78	24.83	29.48	-162.45	-591.13	-1,601.81	2,743.73	2,700.04	43.69	62.800		
5,200.00	5,093.82	5,200.00	4,271.47	25.32	36.03	-162.78	-611.57	-1,623.00	2,791.08	2,742.45	48.63	57.390		
5,300.00	5,191.50	4,867.00	4,695.82	25.82	33.11	-164.15	-688.80	-1,688.29	2,831.69	2,783.32	48.37	58.544		
5,400.00	5,289.19	4,991.01	4,818.09	26.31	33.79	-164.45	-704.50	-1,701.78	2,867.64	2,818.22	49.43	58.020		
5,500.00	5,386.87	5,299.16	5,123.97	26.81	35.25	-165.09	-733.23	-1,724.29	2,898.27	2,846.72	51.55	56.225		
5,600.00	5,484.56	5,582.44	5,406.67	27.30	36.31	-165.60	-748.64	-1,730.74	2,924.06	2,870.83	53.23	54.931		
5,700.00	5,582.25	5,671.16	5,495.37	27.80	36.59	-165.74	-750.98	-1,730.62	2,946.07	2,892.05	54.02	54.539		
5,800.00	5,679.93	5,771.10	5,595.26	28.29	36.91	-165.88	-753.72	-1,730.98	2,968.55	2,913.70	54.85	54.122		
5,900.00	5,777.62	5,933.99	5,758.13	28.79	37.37	-166.03	-752.87	-1,731.39	2,988.91	2,933.04	55.87	53.500		
6,000.00	5,875.30	6,021.52	5,845.64	29.28	37.60	-166.08	-751.02	-1,732.13	3,009.31	2,952.69	56.62	53.153		
6,100.00	5,972.99	6,118.24	5,942.33	29.78	37.86	-166.13	-748.91	-1,733.18	3,029.87	2,972.47	57.40	52.786		
6,200.00	6,070.67	6,203.58	6,027.64	30.27	38.09	-166.17	-746.97	-1,734.29	3,050.58	2,992.43	58.15	52.464		
6,300.00	6,168.36	6,292.16	6,116.18	30.77	38.34	-166.21	-744.85	-1,735.98	3,071.71	3,012.81	58.91	52.144		
6,400.00	6,266.05	6,402.24	6,226.21	31.26	38.65	-166.25	-742.16	-1,738.09	3,092.85	3,033.10	59.75	51.763		
6,500.00	6,363.73	6,482.45	6,306.38	31.76	38.88	-166.28	-740.13	-1,739.68	3,113.98	3,053.49	60.49	51.483		
6,534.50	6,397.43	6,510.73	6,334.65	31.93	38.97	-166.29	-739.51	-1,740.31	3,121.40	3,060.65	60.74	51.387		
6,550.00	6,412.60	6,523.67	6,347.58	32.01	39.01	-161.34	-739.24	-1,740.60	3,124.59	3,063.73	60.86	51.342		
6,600.00	6,461.82	6,565.66	6,389.55	32.24	39.13	-139.36	-738.44	-1,741.59	3,132.77	3,071.55	61.22	51.169		
6,650.00	6,511.25	6,611.22	6,435.09	32.45	39.27	-110.14	-737.67	-1,742.71	3,137.67	3,076.08	61.59	50.945		
6,700.00	6,560.58	6,659.10	6,482.95	32.64	39.42	-85.10	-736.90	-1,743.90	3,139.22	3,077.27	61.95	50.675		
6,750.00	6,609.51	6,711.65	6,535.47	32.83	39.58	-69.57	-736.02	-1,745.22	3,137.37	3,075.07	62.31	50.354		
6,800.00	6,657.74	6,766.04	6,589.83	33.01	39.75	-60.59	-734.94	-1,746.60	3,132.08	3,069.43	62.65	49.991		
6,850.00	6,704.97	6,822.40	6,646.15	33.18	39.92	-55.31	-733.52	-1,748.06	3,123.36	3,060.37	62.99	49.587		
6,900.00	6,750.90	6,872.71	6,696.42	33.36	40.07	-52.18	-731.96	-1,749.41	3,111.29	3,048.01	63.28	49.166		
6,950.00	6,795.26	6,915.73	6,739.40	33.54	40.20	-50.41	-730.54	-1,750.63	3,096.09	3,032.56	63.53	48.732		
7,000.00	6,837.77	6,963.18	6,786.80	33.73	40.34	-49.67	-728.92	-1,752.02	3,077.88	3,014.10	63.79	48.252		
7,050.00	6,878.17	7,019.35	6,842.92	33.92	40.51	-49.79	-726.87	-1,753.51	3,056.64	2,992.57	64.07	47.711		
7,100.00	6,916.21	7,061.77	6,885.29	34.13	40.63	-50.48	-725.23	-1,754.53	3,032.55	2,968.26	64.28	47.174		
7,150.00	6,951.66	7,098.94	6,922.43	34.36	40.74	-51.73	-723.79	-1,755.41	3,005.91	2,941.43	64.48	46.616		
7,200.00	6,984.29	7,131.68	6,955.13	34.61	40.84	-53.52	-722.52	-1,756.17	2,976.95	2,912.28	64.67	46.035		
7,250.00	7,013.91	7,158.99	6,982.41	34.89	40.92	-55.80	-721.45	-1,756.85	2,945.88	2,881.05	64.84	45.434		
7,300.00	7,040.34	7,183.60	7,006.99	35.20	40.99	-58.63	-720.48	-1,757.50	2,912.95	2,847.94	65.01	44.805		
7,350.00	7,063.40	7,205.34	7,028.71	35.55	41.06	-62.02	-719.62	-1,758.10	2,878.37	2,813.18	65.20	44.150		
7,400.00	7,082.97	7,227.39	7,050.73	35.94	41.12	-66.03	-718.74	-1,758.72	2,842.37	2,776.97	65.40	43.461		
7,450.00	7,098.91	7,246.54	7,069.86	36.36	41.18	-70.59	-717.95	-1,759.27	2,805.18	2,739.56	65.62	42.747		
7,500.00	7,111.13	7,261.58	7,084.88	36.83	41.23	-75.63	-717.32	-1,759.69	2,767.05	2,701.19	65.86	42.016		
7,550.00	7,119.55	7,272.41	7,095.69	37.34	41.26	-81.04	-716.86	-1,760.00	2,728.25	2,662.14	66.11	41.269		
7,600.00	7,124.13	7,278.97	7,102.24	37.88	41.28	-86.69	-716.58	-1,760.19	2,689.05	2,622.67	66.38	40.510		
7,639.68	7,125.00	7,281.10	7,104.38	38.33	41.29	-91.25	-716.49	-1,760.25	2,657.81	2,591.21	66.61	39.904		
7,700.00	7,124.48	7,282.28	7,105.55	39.05	41.29	-91.29	-716.44	-1,760.28	2,610.59	2,543.60	66.99	38.972		
7,800.00	7,123.60	7,284.24	7,107.51	40.40	41.30	-91.36	-716.35	-1,760.33	2,533.53	2,465.78	67.75	37.394		
7,900.00	7,122.72	7,286.19	7,109.45	41.90	41.30	-91.43	-716.27	-1,760.39	2,458.12	2,389.42	68.70	35.781		
8,000.00	7,121.84	7,288.14	7,111.40	43.54	41.31	-91.50	-716.18	-1,760.44	2,384.52	2,314.67	69.84	34.142		
8,100.00	7,120.97	7,290.08	7,113.34	45.30	41.31	-91.56	-716.10	-1,760.50	2,312.89	2,241.70	71.19	32.488		
8,200.00	7,120.09	7,292.03	7,115.28	47.17	41.32	-91.63	-716.01	-1,760.55	2,243.44	2,170.68	72.76	30.832		
8,300.00	7,119.21	7,293.97	7,117.22	49.13	41.32	-91.70	-715.93	-1,760.61	2,176.37	2,101.80	74.56	29.188		
8,400.00	7,118.33	7,295.90	7,119.16	51.18	41.33	-91.77	-715.84	-1,760.66	2,111.90	2,035.29	76.60	27.569		
8,500.00	7,117.46	7,297.84	7,121.09	53.30	41.34	-91.83	-715.76	-1,760.72	2,050.28	1,971.40	78.88	25.991		
8,600.00	7,116.58	7,299.77	7,123.02	55.48	41.34	-91.90	-715.67	-1,760.77	1,991.78	1,910.37	81.41	24.467		
8,700.00	7,115.70	7,301.70	7,124.95	57.72	41.35	-91.97	-715.59	-1,760.83	1,936.67	1,852.51	84.16	23.011		
8,800.00	7,114.82	7,303.63	7,126.87	60.02	41.35	-92.04	-715.50	-1,760.88	1,885.26	1,798.12	87.14	21.634		
8,900.00	7,113.95	7,305.55	7,128.79	62.36	41.36	-92.10	-715.42	-1,760.93	1,837.86	1,747.53	90.33	20.346		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	7,113.07	7,307.47	7,130.71	64.74	41.36	-92.17	-715.33	-1,760.99	1,794.77	1,701.07	93.70	19.154		
9,100.00	7,112.19	7,309.39	7,132.63	67.15	41.37	-92.24	-715.24	-1,761.04	1,756.33	1,659.12	97.22	18.066		
9,200.00	7,111.31	7,311.31	7,134.54	69.60	41.38	-92.31	-715.16	-1,761.10	1,722.85	1,622.00	100.84	17.084		
9,300.00	7,110.44	7,311.98	7,135.21	72.08	41.38	-92.33	-715.13	-1,761.12	1,694.61	1,590.08	104.52	16.213		
9,400.00	7,109.56	7,313.78	7,137.01	74.58	41.38	-92.39	-715.05	-1,761.17	1,671.88	1,563.67	108.21	15.450		
9,500.00	7,108.68	7,315.59	7,138.82	77.10	41.39	-92.45	-714.97	-1,761.22	1,654.88	1,543.04	111.84	14.797		
9,600.00	7,107.81	7,317.41	7,140.63	79.65	41.39	-92.52	-714.89	-1,761.27	1,643.81	1,528.46	115.35	14.251		
9,700.00	7,106.93	7,319.24	7,142.46	82.22	41.40	-92.58	-714.81	-1,761.32	1,638.77	1,520.09	118.68	13.808		
9,732.74	7,106.64	7,319.84	7,143.06	83.06	41.40	-92.60	-714.78	-1,761.34	1,638.44	1,518.71	119.73	13.685		
9,800.00	7,106.05	7,321.08	7,144.30	84.80	41.41	-92.65	-714.73	-1,761.38	1,639.82	1,518.04	121.78	13.465		
9,900.00	7,105.17	7,322.93	7,146.14	87.40	41.41	-92.71	-714.65	-1,761.43	1,646.95	1,522.35	124.61	13.217		
10,000.00	7,104.30	7,324.78	7,147.99	90.02	41.42	-92.78	-714.57	-1,761.48	1,660.09	1,532.96	127.12	13.059		
10,100.00	7,103.42	7,326.65	7,149.86	92.64	41.42	-92.84	-714.48	-1,761.54	1,679.08	1,549.77	129.31	12.985 SF		
10,200.00	7,102.54	7,328.52	7,151.73	95.28	41.43	-92.91	-714.40	-1,761.59	1,703.74	1,572.59	131.16	12.990		
10,300.00	7,101.66	7,330.40	7,153.61	97.94	41.43	-92.97	-714.32	-1,761.65	1,733.83	1,601.16	132.67	13.069		
10,400.00	7,100.79	7,332.30	7,155.50	100.60	41.44	-93.04	-714.23	-1,761.70	1,769.06	1,635.20	133.86	13.215		
10,500.00	7,099.91	7,334.20	7,157.40	103.27	41.44	-93.11	-714.15	-1,761.75	1,809.14	1,674.38	134.76	13.425		
10,600.00	7,099.03	7,336.11	7,159.31	105.95	41.45	-93.17	-714.06	-1,761.81	1,853.75	1,718.37	135.38	13.693		
10,700.00	7,098.15	7,338.03	7,161.22	108.64	41.46	-93.24	-713.98	-1,761.87	1,902.57	1,766.81	135.75	14.015		
10,800.00	7,097.28	7,339.96	7,163.15	111.33	41.46	-93.31	-713.89	-1,761.92	1,955.29	1,819.37	135.92	14.386		
10,900.00	7,096.40	7,341.90	7,165.09	114.04	41.47	-93.37	-713.81	-1,761.98	2,011.60	1,875.70	135.90	14.803		
11,000.00	7,095.52	7,343.85	7,167.04	116.74	41.47	-93.44	-713.72	-1,762.04	2,071.20	1,935.48	135.72	15.261		
11,100.00	7,094.64	7,345.81	7,168.99	119.46	41.48	-93.51	-713.63	-1,762.09	2,133.83	1,998.41	135.42	15.757		
11,200.00	7,093.77	7,347.78	7,170.96	122.18	41.49	-93.58	-713.54	-1,762.15	2,199.23	2,064.21	135.01	16.289		
11,300.00	7,092.89	7,349.76	7,172.93	124.91	41.49	-93.65	-713.46	-1,762.21	2,267.14	2,132.62	134.52	16.853		
11,400.00	7,092.01	7,351.74	7,174.92	127.64	41.50	-93.72	-713.37	-1,762.27	2,337.37	2,203.40	133.97	17.447		
11,500.00	7,091.13	7,353.74	7,176.92	130.38	41.50	-93.79	-713.28	-1,762.33	2,409.69	2,276.32	133.37	18.068		
11,600.00	7,090.26	7,355.75	7,178.92	133.12	41.51	-93.86	-713.19	-1,762.39	2,483.93	2,351.21	132.73	18.715		
11,700.00	7,089.38	7,357.77	7,180.94	135.86	41.52	-93.93	-713.10	-1,762.45	2,559.93	2,427.87	132.06	19.385		
11,800.00	7,088.50	7,359.80	7,182.96	138.61	41.52	-94.00	-713.01	-1,762.51	2,637.53	2,506.15	131.38	20.076		
11,900.00	7,087.63	7,361.84	7,185.00	141.36	41.53	-94.07	-712.92	-1,762.57	2,716.59	2,585.90	130.69	20.787		
12,000.00	7,086.75	7,363.89	7,187.05	144.12	41.53	-94.14	-712.83	-1,762.63	2,796.99	2,666.99	130.00	21.516		
12,100.00	7,085.87	7,365.95	7,189.10	146.88	41.54	-94.22	-712.73	-1,762.69	2,878.62	2,749.31	129.30	22.262		
12,200.00	7,084.99	7,368.02	7,191.17	149.64	41.55	-94.29	-712.64	-1,762.75	2,961.37	2,832.75	128.62	23.024		
12,300.00	7,084.12	7,370.10	7,193.25	152.40	41.55	-94.36	-712.55	-1,762.81	3,045.16	2,917.21	127.95	23.800		
12,400.00	7,083.24	7,372.20	7,195.34	155.17	41.56	-94.43	-712.45	-1,762.87	3,129.89	3,002.61	127.28	24.590		
12,500.00	7,082.36	7,374.30	7,197.44	157.94	41.57	-94.51	-712.36	-1,762.94	3,215.51	3,088.87	126.63	25.392		
12,600.00	7,081.48	7,376.41	7,199.55	160.71	41.57	-94.58	-712.27	-1,763.00	3,301.93	3,175.93	126.00	26.206		
12,700.00	7,080.61	7,378.54	7,201.67	163.49	41.58	-94.65	-712.17	-1,763.06	3,389.09	3,263.71	125.38	27.030		
12,800.00	7,079.73	7,380.67	7,203.81	166.27	41.58	-94.73	-712.07	-1,763.13	3,476.95	3,352.17	124.78	27.864		
12,900.00	7,078.85	7,382.82	7,205.95	169.04	41.59	-94.80	-711.98	-1,763.19	3,565.45	3,441.25	124.20	28.708		
13,000.00	7,077.97	7,384.98	7,208.11	171.83	41.60	-94.88	-711.88	-1,763.26	3,654.53	3,530.90	123.63	29.560		
13,100.00	7,077.10	7,387.15	7,210.27	174.61	41.60	-94.96	-711.78	-1,763.32	3,744.17	3,621.09	123.08	30.420		
13,200.00	7,076.22	7,389.33	7,212.45	177.39	41.61	-95.03	-711.69	-1,763.39	3,834.32	3,711.77	122.55	31.288		
13,300.00	7,075.34	7,391.52	7,214.64	180.18	41.62	-95.11	-711.59	-1,763.46	3,924.95	3,802.91	122.03	32.163		
13,400.00	7,074.46	7,393.73	7,216.84	182.97	41.62	-95.19	-711.49	-1,763.52	4,016.01	3,894.48	121.54	33.044		
13,500.00	7,073.59	7,395.94	7,219.06	185.76	41.63	-95.26	-711.39	-1,763.59	4,107.50	3,986.44	121.05	33.931		
13,600.00	7,072.71	7,398.17	7,221.28	188.55	41.64	-95.34	-711.29	-1,763.66	4,199.37	4,078.78	120.59	34.824		
13,700.00	7,071.83	7,400.41	7,223.52	191.34	41.64	-95.42	-711.19	-1,763.73	4,291.60	4,171.46	120.14	35.721		
13,800.00	7,070.95	7,402.65	7,225.77	194.14	41.65	-95.49	-711.09	-1,763.80	4,384.18	4,264.47	119.71	36.625		
13,900.00	7,070.08	7,404.90	7,228.02	196.93	41.65	-95.57	-710.99	-1,763.87	4,477.07	4,357.78	119.29	37.532		
14,000.00	7,069.20	7,407.15	7,230.27	199.73	41.66	-95.65	-710.89	-1,763.94	4,570.26	4,451.38	118.88	38.444		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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-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		
14,100.00	7,068.32	7,406.71	7,229.81	202.53	41.66	-95.64	-710.91	-1,763.92	4,663.73	4,545.24	118.49	39.360		
14,200.00	7,067.45	7,408.68	7,231.77	205.33	41.67	-95.71	-710.82	-1,763.97	4,757.47	4,639.36	118.11	40.279		
14,300.00	7,066.57	7,410.65	7,233.74	208.13	41.67	-95.78	-710.73	-1,764.03	4,851.46	4,733.71	117.75	41.201		
14,400.00	7,065.69	7,412.61	7,235.70	210.93	41.68	-95.84	-710.64	-1,764.09	4,945.68	4,828.28	117.40	42.127		
14,500.00	7,064.81	7,414.58	7,237.66	213.73	41.69	-95.91	-710.55	-1,764.15	5,040.12	4,923.06	117.06	43.056		
14,600.00	7,063.94	7,416.55	7,239.63	216.54	41.69	-95.98	-710.47	-1,764.21	5,134.78	5,018.04	116.73	43.988		
14,700.00	7,063.06	7,418.51	7,241.59	219.34	41.70	-96.05	-710.38	-1,764.27	5,229.63	5,113.21	116.42	44.922		
14,800.00	7,062.18	7,420.48	7,243.56	222.15	41.70	-96.12	-710.29	-1,764.33	5,324.67	5,208.55	116.11	45.858		
14,900.00	7,061.30	7,422.45	7,245.52	224.95	41.71	-96.19	-710.20	-1,764.39	5,419.88	5,304.06	115.82	46.797		
15,000.00	7,060.43	7,424.42	7,247.49	227.76	41.72	-96.25	-710.11	-1,764.45	5,515.27	5,399.73	115.53	47.737		
15,100.00	7,059.55	7,426.38	7,249.45	230.57	41.72	-96.32	-710.03	-1,764.51	5,610.81	5,495.55	115.26	48.680		
15,200.00	7,058.67	7,428.35	7,251.41	233.38	41.73	-96.39	-709.94	-1,764.57	5,706.51	5,591.52	115.00	49.624		
15,300.00	7,057.79	7,430.32	7,253.38	236.19	41.73	-96.46	-709.85	-1,764.63	5,802.35	5,687.61	114.74	50.569		
15,400.00	7,056.92	7,432.28	7,255.34	239.00	41.74	-96.53	-709.76	-1,764.69	5,898.33	5,783.84	114.49	51.516		
15,500.00	7,056.04	7,434.25	7,257.31	241.81	41.75	-96.60	-709.67	-1,764.75	5,994.44	5,880.19	114.26	52.465		
15,600.00	7,055.16	7,436.22	7,259.27	244.62	41.75	-96.67	-709.58	-1,764.81	6,090.68	5,976.65	114.03	53.414		
15,700.00	7,054.28	7,438.19	7,261.24	247.43	41.76	-96.73	-709.50	-1,764.87	6,187.03	6,073.22	113.81	54.364		
15,800.00	7,053.41	7,440.15	7,263.20	250.25	41.76	-96.80	-709.41	-1,764.93	6,283.50	6,169.90	113.59	55.316		
15,846.35	7,053.00	7,436.00	7,259.05	251.55	41.75	-96.66	-709.59	-1,764.80	6,328.25	6,214.76	113.49	55.760		

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	-79.80	167.24	-929.76	945.41					
100.00	100.00	60.77	60.77	3.28	3.29	-79.80	167.28	-929.81	944.74	938.16	6.57	143.732		
200.00	200.00	156.03	156.03	3.34	3.34	-79.78	167.62	-930.22	945.22	938.54	6.68	141.474		
300.00	299.98	265.95	265.94	3.44	3.46	-124.42	167.01	-930.63	946.49	939.58	6.91	136.997		
400.00	399.84	444.11	443.61	3.61	3.79	-125.51	156.20	-926.65	947.19	939.75	7.43	127.400		
500.00	499.45	571.24	568.91	3.81	4.13	-127.14	137.72	-915.99	941.63	933.62	8.00	117.688		
600.00	598.70	666.03	662.21	4.06	4.45	-128.55	123.32	-907.38	938.09	929.55	8.53	109.949		
665.51	663.46	727.70	722.96	4.25	4.68	-129.52	114.25	-901.85	937.39	928.47	8.92	105.061 CC		
700.00	697.47	759.57	754.36	4.35	4.81	-130.03	109.62	-899.05	937.59	928.46	9.14	102.636 ES		
800.00	795.62	856.04	849.41	4.66	5.21	-131.66	95.41	-890.64	940.31	930.49	9.82	95.731		
817.50	812.73	872.92	866.03	4.73	5.28	-131.95	92.84	-889.17	941.10	931.15	9.95	94.584		
900.00	893.32	963.71	955.10	5.01	5.70	-133.72	77.44	-880.79	944.99	934.35	10.64	88.829		
1,000.00	991.01	1,086.16	1,073.96	5.38	6.35	-136.38	51.48	-866.90	948.66	937.03	11.63	81.581		
1,100.00	1,088.69	1,195.83	1,179.22	5.77	7.01	-138.94	24.82	-851.56	951.28	938.64	12.64	75.252		
1,200.00	1,186.38	1,294.50	1,273.18	6.18	7.66	-141.36	-1.28	-836.61	954.57	940.91	13.66	69.872		
1,300.00	1,284.06	1,391.51	1,365.21	6.60	8.33	-143.77	-27.78	-821.14	958.97	944.24	14.73	65.118		
1,400.00	1,381.75	1,486.87	1,455.71	7.03	9.01	-146.11	-53.44	-805.49	964.66	948.85	15.81	61.002		
1,500.00	1,479.44	1,583.27	1,547.31	7.47	9.70	-148.41	-78.77	-789.30	971.62	954.69	16.93	57.381		
1,600.00	1,577.12	1,671.25	1,630.83	7.91	10.35	-150.49	-102.00	-774.36	980.09	962.07	18.01	54.413		
1,700.00	1,674.81	1,768.99	1,723.78	8.37	11.07	-152.74	-127.36	-757.89	990.17	971.00	19.17	51.640		
1,800.00	1,772.49	1,862.49	1,812.85	8.82	11.76	-154.81	-150.87	-741.86	1,001.28	980.97	20.31	49.306		
1,900.00	1,870.18	1,957.14	1,903.39	9.28	12.45	-156.80	-173.38	-725.90	1,013.61	992.17	21.44	47.279		
2,000.00	1,967.87	2,027.08	1,970.23	9.75	12.97	-158.25	-190.57	-714.64	1,028.16	1,005.78	22.38	45.932		
2,100.00	2,065.55	2,101.20	2,040.98	10.22	13.51	-159.79	-209.84	-703.82	1,045.77	1,022.42	23.35	44.782		
2,200.00	2,163.24	2,189.18	2,125.12	10.69	14.16	-161.54	-232.74	-692.13	1,065.71	1,041.28	24.43	43.629		
2,300.00	2,260.92	2,300.12	2,231.28	11.16	14.98	-163.66	-260.99	-676.70	1,086.07	1,060.37	25.70	42.263		
2,400.00	2,358.61	2,393.95	2,321.04	11.64	15.67	-165.39	-284.42	-662.57	1,106.33	1,079.52	26.82	41.252		
2,500.00	2,456.30	2,480.41	2,403.72	12.12	16.32	-166.94	-306.15	-649.69	1,127.82	1,099.95	27.87	40.467		
2,600.00	2,553.98	2,578.36	2,497.44	12.59	17.05	-168.62	-330.67	-635.20	1,150.29	1,121.28	29.02	39.640		
2,700.00	2,651.67	2,645.08	2,561.16	13.08	17.55	-169.75	-347.97	-625.59	1,174.42	1,144.55	29.87	39.317		
2,800.00	2,749.35	2,729.04	2,640.90	13.56	18.21	-171.19	-371.45	-613.74	1,200.79	1,169.90	30.89	38.870		
2,900.00	2,847.04	2,837.95	2,744.07	14.04	19.07	-173.02	-402.27	-597.43	1,227.67	1,195.49	32.17	38.157		
3,000.00	2,944.72	2,936.65	2,838.33	14.52	19.83	-174.50	-427.65	-582.93	1,254.03	1,220.71	33.32	37.639		
3,100.00	3,042.41	2,999.78	2,898.67	15.01	20.30	-175.41	-444.11	-574.33	1,282.05	1,247.97	34.08	37.617		
3,200.00	3,140.10	3,092.07	2,986.52	15.50	21.01	-176.72	-469.59	-562.11	1,311.97	1,276.82	35.15	37.328		
3,300.00	3,237.78	3,217.80	3,106.88	15.98	21.96	-178.36	-501.77	-545.18	1,341.08	1,304.54	36.54	36.703		
3,400.00	3,335.47	3,329.84	3,214.81	16.47	22.76	-179.66	-527.48	-529.62	1,368.67	1,330.91	37.75	36.254		
3,500.00	3,433.15	3,371.00	3,254.65	16.96	23.04	-179.90	-536.25	-524.18	1,397.10	1,358.85	38.25	36.524		
3,600.00	3,530.84	3,371.00	3,254.65	17.45	23.04	-179.90	-536.25	-524.18	1,431.43	1,393.22	38.21	37.462		
3,700.00	3,628.53	3,371.00	3,254.65	17.94	23.04	-179.90	-536.25	-524.18	1,471.77	1,433.74	38.02	38.708		
3,800.00	3,726.21	3,371.00	3,254.65	18.43	23.04	-179.90	-536.25	-524.18	1,517.63	1,479.91	37.71	40.240		
3,900.00	3,823.90	3,952.43	3,680.64	18.92	27.24	-171.28	-728.68	-400.84	1,546.36	1,502.68	43.68	35.399		
4,000.00	3,921.58	4,050.57	3,776.54	19.41	27.85	-170.65	-745.46	-388.61	1,574.01	1,529.34	44.67	35.238		
4,100.00	4,019.27	4,151.96	3,876.51	19.90	28.40	-170.21	-760.00	-379.99	1,601.79	1,556.16	45.63	35.102		
4,200.00	4,116.96	4,253.42	3,977.05	20.39	28.91	-169.91	-772.11	-373.95	1,629.10	1,582.55	46.55	34.993		
4,300.00	4,214.64	4,401.35	4,124.15	20.88	29.56	-169.60	-785.65	-366.20	1,654.53	1,606.78	47.75	34.649		
4,400.00	4,312.33	4,514.74	4,237.30	21.37	30.00	-169.52	-791.92	-362.50	1,678.23	1,629.56	48.67	34.480		
4,500.00	4,410.01	4,632.21	4,354.68	21.87	30.41	-169.54	-795.85	-360.34	1,700.98	1,651.41	49.57	34.311		
4,600.00	4,507.70	4,751.40	4,473.87	22.36	30.73	-169.69	-796.17	-360.12	1,722.08	1,671.66	50.42	34.154		
4,700.00	4,605.39	4,843.13	4,565.59	22.85	30.96	-169.83	-795.75	-360.78	1,743.17	1,692.04	51.13	34.093		
4,800.00	4,703.07	4,941.99	4,664.44	23.35	31.21	-170.00	-795.10	-362.04	1,764.42	1,712.56	51.87	34.019		
4,900.00	4,800.76	5,044.16	4,766.59	23.84	31.46	-170.19	-793.94	-363.64	1,785.47	1,732.85	52.62	33.933		

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



<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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	4,898.44	5,143.21	4,865.61	24.33	31.70	170.39	-792.35	-365.54	1,806.36	1,753.00	53.35	33.856		
5,100.00	4,996.13	5,241.18	4,963.53	24.83	31.94	170.60	-790.30	-368.04	1,827.23	1,773.15	54.09	33.784		
5,200.00	5,093.82	5,320.23	5,042.54	25.32	32.14	170.76	-789.23	-369.90	1,848.60	1,793.86	54.74	33.769		
5,300.00	5,191.50	5,408.85	5,129.15	25.82	32.37	170.90	-789.11	-371.70	1,870.80	1,815.36	55.44	33.746		
5,400.00	5,289.19	5,535.09	5,257.36	26.31	32.72	171.12	-788.26	-374.27	1,892.58	1,836.25	56.33	33.600		
5,500.00	5,386.87	5,659.60	5,381.83	26.81	33.05	171.33	-785.66	-375.81	1,912.79	1,855.60	57.19	33.445		
5,600.00	5,484.56	5,756.00	5,478.19	27.30	33.30	171.48	-783.05	-376.42	1,932.17	1,874.23	57.94	33.347		
5,700.00	5,582.25	5,834.16	5,556.32	27.80	33.52	171.61	-781.19	-377.42	1,952.22	1,893.61	58.61	33.307		
5,800.00	5,679.93	5,913.94	5,636.09	28.29	33.75	171.73	-780.40	-378.46	1,973.35	1,914.06	59.30	33.279		
5,900.00	5,777.62	6,001.62	5,723.77	28.79	34.04	171.79	-781.21	-378.30	1,995.15	1,935.11	60.04	33.229		
6,000.00	5,875.30	6,101.13	5,823.24	29.28	34.40	171.80	-783.57	-376.64	2,017.22	1,956.34	60.88	33.137		
6,100.00	5,972.99	6,214.64	5,936.73	29.78	34.80	171.85	-784.81	-375.69	2,038.78	1,977.00	61.78	33.002		
6,200.00	6,070.67	6,315.21	6,037.30	30.27	35.13	171.93	-784.83	-375.43	2,059.82	1,997.23	62.60	32.906		
6,300.00	6,168.36	6,411.03	6,133.12	30.77	35.43	172.03	-784.44	-375.82	2,080.93	2,017.56	63.38	32.835		
6,400.00	6,266.05	6,523.98	6,246.03	31.26	35.75	172.20	-782.24	-377.76	2,101.60	2,037.38	64.22	32.727		
6,500.00	6,363.73	6,624.94	6,346.89	31.76	36.03	172.40	-778.92	-380.70	2,121.94	2,056.95	64.99	32.649		
6,534.50	6,397.43	6,659.72	6,381.62	31.93	36.13	172.48	-777.57	-381.93	2,128.93	2,063.67	65.26	32.623		
6,550.00	6,412.60	6,677.36	6,399.23	32.01	36.18	172.54	-776.84	-382.58	2,131.95	2,066.56	65.39	32.605		
6,600.00	6,461.82	6,758.23	6,480.00	32.24	36.40	-160.22	-773.48	-384.55	2,139.69	2,073.79	65.90	32.470		
6,650.00	6,511.25	6,796.23	6,517.98	32.45	36.51	-130.84	-772.05	-384.95	2,144.71	2,078.50	66.21	32.394		
6,700.00	6,560.58	6,832.56	6,554.29	32.64	36.62	-105.67	-771.07	-385.21	2,147.55	2,081.06	66.49	32.298		
6,750.00	6,609.51	6,865.72	6,587.45	32.83	36.72	-90.01	-770.49	-385.37	2,148.22	2,081.48	66.74	32.187		
6,800.00	6,657.74	6,895.50	6,617.23	33.01	36.82	-80.87	-770.21	-385.61	2,146.86	2,079.90	66.96	32.061		
6,850.00	6,704.97	6,924.70	6,646.42	33.18	36.91	-75.41	-770.17	-385.96	2,143.52	2,076.36	67.16	31.916		
6,900.00	6,750.90	6,959.19	6,680.91	33.36	37.02	-72.16	-770.34	-386.53	2,138.22	2,070.84	67.38	31.735		
6,950.00	6,795.26	7,000.68	6,722.38	33.54	37.15	-70.36	-770.47	-387.51	2,130.82	2,063.19	67.63	31.508		
7,000.00	6,837.77	7,044.34	6,766.03	33.73	37.29	-69.56	-770.42	-388.90	2,121.37	2,053.48	67.89	31.247		
7,050.00	6,878.17	7,094.31	6,815.96	33.92	37.44	-69.59	-769.98	-390.83	2,109.84	2,041.65	68.19	30.942		
7,100.00	6,916.21	7,145.57	6,867.15	34.13	37.59	-70.26	-768.97	-393.22	2,096.32	2,027.83	68.49	30.606		
7,150.00	6,951.66	7,198.55	6,919.98	34.36	37.74	-71.48	-766.95	-396.55	2,080.91	2,012.09	68.82	30.237		
7,200.00	6,984.29	7,246.09	6,967.34	34.61	37.87	-73.07	-764.52	-399.92	2,063.80	1,994.67	69.14	29.852		
7,250.00	7,013.91	7,288.31	7,009.43	34.89	37.98	-74.98	-762.35	-402.50	2,045.31	1,975.86	69.45	29.450		
7,300.00	7,040.34	7,322.41	7,043.42	35.20	38.08	-77.05	-760.56	-404.39	2,025.73	1,955.97	69.76	29.037		
7,350.00	7,063.40	7,351.83	7,072.76	35.55	38.16	-79.28	-758.92	-406.05	2,005.38	1,935.28	70.10	28.609		
7,400.00	7,082.97	7,377.46	7,098.30	35.94	38.23	-81.63	-757.42	-407.54	1,984.50	1,914.04	70.45	28.167		
7,450.00	7,098.91	7,399.11	7,119.87	36.36	38.29	-84.04	-756.11	-408.82	1,963.33	1,892.49	70.84	27.713		
7,500.00	7,111.13	7,416.61	7,137.30	36.83	38.33	-86.45	-755.01	-409.88	1,942.13	1,870.87	71.26	27.252		
7,550.00	7,119.55	7,429.81	7,150.46	37.34	38.37	-88.80	-754.15	-410.68	1,921.12	1,849.41	71.71	26.789		
7,600.00	7,124.13	7,408.00	7,128.73	37.88	38.31	-90.03	-755.55	-409.36	1,900.74	1,828.68	72.06	26.375		
7,639.68	7,125.00	7,408.00	7,128.73	38.33	38.31	-91.56	-755.55	-409.36	1,884.88	1,812.43	72.44	26.019		
7,700.00	7,124.48	7,408.00	7,128.73	39.05	38.31	-91.56	-755.55	-409.36	1,861.89	1,788.82	73.07	25.481		
7,800.00	7,123.60	7,408.00	7,128.73	40.40	38.31	-91.56	-755.55	-409.36	1,827.54	1,753.28	74.26	24.609		
7,900.00	7,122.72	7,408.00	7,128.73	41.90	38.31	-91.56	-755.55	-409.36	1,798.11	1,722.48	75.63	23.776		
8,000.00	7,121.84	7,408.00	7,128.73	43.54	38.31	-91.56	-755.55	-409.36	1,773.83	1,696.69	77.14	22.995		
8,100.00	7,120.97	7,408.00	7,128.73	45.30	38.31	-91.56	-755.55	-409.36	1,754.92	1,676.15	78.77	22.280		
8,200.00	7,120.09	7,408.00	7,128.73	47.17	38.31	-91.56	-755.55	-409.36	1,741.56	1,661.08	80.48	21.640		
8,300.00	7,119.21	7,408.00	7,128.73	49.13	38.31	-91.56	-755.55	-409.36	1,733.87	1,651.62	82.24	21.083		
8,383.63	7,118.48	7,408.00	7,128.73	50.84	38.31	-91.56	-755.55	-409.36	1,731.85	1,648.11	83.73	20.683		
8,400.00	7,118.33	7,408.00	7,128.73	51.18	38.31	-91.56	-755.55	-409.36	1,731.92	1,647.90	84.02	20.613		
8,500.00	7,117.46	7,408.00	7,128.73	53.30	38.31	-91.56	-755.55	-409.36	1,735.75	1,649.97	85.79	20.234		
8,600.00	7,116.58	7,408.00	7,128.73	55.48	38.31	-91.56	-755.55	-409.36	1,745.31	1,657.80	87.51	19.944		
8,700.00	7,115.70	7,408.00	7,128.73	57.72	38.31	-91.56	-755.55	-409.36	1,760.51	1,671.34	89.17	19.744		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
8,800.00	7,114.82	7,408.00	7,128.73	60.02	38.31	-91.56	-755.55	-409.36	1,781.20	1,690.46	90.74	19.630		
8,900.00	7,113.95	7,408.00	7,128.73	62.36	38.31	-91.56	-755.55	-409.36	1,807.19	1,714.97	92.22	19.597 SF		
9,000.00	7,113.07	7,408.00	7,128.73	64.74	38.31	-91.56	-755.55	-409.36	1,838.26	1,744.68	93.58	19.643		
9,100.00	7,112.19	7,408.00	7,128.73	67.15	38.31	-91.56	-755.55	-409.36	1,874.16	1,779.32	94.84	19.761		
9,200.00	7,111.31	7,408.00	7,128.73	69.60	38.31	-91.56	-755.55	-409.36	1,914.62	1,818.63	95.98	19.948		
9,300.00	7,110.44	7,408.00	7,128.73	72.08	38.31	-91.56	-755.55	-409.36	1,959.34	1,862.33	97.01	20.197		
9,400.00	7,109.56	7,408.00	7,128.73	74.58	38.31	-91.56	-755.55	-409.36	2,008.06	1,910.13	97.93	20.505		
9,500.00	7,108.68	7,408.00	7,128.73	77.10	38.31	-91.56	-755.55	-409.36	2,060.48	1,961.73	98.75	20.866		
9,600.00	7,107.81	7,408.00	7,128.73	79.65	38.31	-91.56	-755.55	-409.36	2,116.33	2,016.86	99.47	21.276		
9,700.00	7,106.93	7,408.00	7,128.73	82.22	38.31	-91.56	-755.55	-409.36	2,175.34	2,075.25	100.10	21.732		
9,800.00	7,106.05	7,408.00	7,128.73	84.80	38.31	-91.56	-755.55	-409.36	2,237.27	2,136.63	100.65	22.229		
9,900.00	7,105.17	7,408.00	7,128.73	87.40	38.31	-91.56	-755.55	-409.36	2,301.88	2,200.76	101.12	22.764		
10,000.00	7,104.30	7,408.00	7,128.73	90.02	38.31	-91.56	-755.55	-409.36	2,368.95	2,267.43	101.53	23.333		
10,100.00	7,103.42	7,408.00	7,128.73	92.64	38.31	-91.56	-755.55	-409.36	2,438.28	2,336.41	101.88	23.934		
10,200.00	7,102.54	7,408.00	7,128.73	95.28	38.31	-91.56	-755.55	-409.36	2,509.68	2,407.51	102.17	24.563		
10,300.00	7,101.66	7,408.00	7,128.73	97.94	38.31	-91.56	-755.55	-409.36	2,582.98	2,480.56	102.42	25.220		
10,400.00	7,100.79	7,408.00	7,128.73	100.60	38.31	-91.56	-755.55	-409.36	2,658.01	2,555.39	102.63	25.900		
10,500.00	7,099.91	7,408.00	7,128.73	103.27	38.31	-91.56	-755.55	-409.36	2,734.65	2,631.85	102.80	26.603		
10,600.00	7,099.03	7,408.00	7,128.73	105.95	38.31	-91.56	-755.55	-409.36	2,812.75	2,709.82	102.94	27.325		
10,700.00	7,098.15	7,408.00	7,128.73	108.64	38.31	-91.56	-755.55	-409.36	2,892.21	2,789.16	103.05	28.067		
10,800.00	7,097.28	7,408.00	7,128.73	111.33	38.31	-91.56	-755.55	-409.36	2,972.90	2,869.77	103.13	28.826		
10,900.00	7,096.40	7,408.00	7,128.73	114.04	38.31	-91.56	-755.55	-409.36	3,054.74	2,951.54	103.20	29.600		
11,000.00	7,095.52	7,408.00	7,128.73	116.74	38.31	-91.56	-755.55	-409.36	3,137.62	3,034.38	103.25	30.389		
11,100.00	7,094.64	7,408.00	7,128.73	119.46	38.31	-91.56	-755.55	-409.36	3,221.48	3,118.20	103.28	31.191		
11,200.00	7,093.77	7,408.00	7,128.73	122.18	38.31	-91.56	-755.55	-409.36	3,306.24	3,202.94	103.30	32.006		
11,300.00	7,092.89	7,408.00	7,128.73	124.91	38.31	-91.56	-755.55	-409.36	3,391.83	3,288.52	103.31	32.832		
11,400.00	7,092.01	7,408.00	7,128.73	127.64	38.31	-91.56	-755.55	-409.36	3,478.19	3,374.88	103.31	33.668		
11,500.00	7,091.13	7,408.00	7,128.73	130.38	38.31	-91.56	-755.55	-409.36	3,565.26	3,461.96	103.30	34.514		
11,600.00	7,090.26	7,408.00	7,128.73	133.12	38.31	-91.56	-755.55	-409.36	3,652.99	3,549.71	103.28	35.369		
11,700.00	7,089.38	7,408.00	7,128.73	135.86	38.31	-91.56	-755.55	-409.36	3,741.34	3,638.08	103.26	36.232		
11,800.00	7,088.50	7,408.00	7,128.73	138.61	38.31	-91.56	-755.55	-409.36	3,830.26	3,727.02	103.23	37.102		
11,900.00	7,087.63	7,408.00	7,128.73	141.36	38.31	-91.56	-755.55	-409.36	3,919.71	3,816.51	103.20	37.980		
12,000.00	7,086.75	7,408.00	7,128.73	144.12	38.31	-91.56	-755.55	-409.36	4,009.67	3,906.50	103.17	38.865		
12,100.00	7,085.87	7,408.00	7,128.73	146.88	38.31	-91.56	-755.55	-409.36	4,100.09	3,996.95	103.13	39.755		
12,200.00	7,084.99	7,408.00	7,128.73	149.64	38.31	-91.56	-755.55	-409.36	4,190.94	4,087.84	103.10	40.651		
12,300.00	7,084.12	7,408.00	7,128.73	152.40	38.31	-91.56	-755.55	-409.36	4,282.20	4,179.15	103.06	41.552		
12,400.00	7,083.24	7,408.00	7,128.73	155.17	38.31	-91.56	-755.55	-409.36	4,373.85	4,270.83	103.01	42.458		
12,500.00	7,082.36	7,408.00	7,128.73	157.94	38.31	-91.56	-755.55	-409.36	4,465.85	4,362.87	102.97	43.369		
12,600.00	7,081.48	7,408.00	7,128.73	160.71	38.31	-91.56	-755.55	-409.36	4,558.19	4,455.26	102.93	44.284		
12,700.00	7,080.61	7,408.00	7,128.73	163.49	38.31	-91.56	-755.55	-409.36	4,650.84	4,547.95	102.89	45.203		
12,800.00	7,079.73	7,408.00	7,128.73	166.27	38.31	-91.56	-755.55	-409.36	4,743.80	4,640.95	102.85	46.125		
12,900.00	7,078.85	7,408.00	7,128.73	169.04	38.31	-91.56	-755.55	-409.36	4,837.03	4,734.23	102.81	47.050		
13,000.00	7,077.97	7,408.00	7,128.73	171.83	38.31	-91.56	-755.55	-409.36	4,930.53	4,827.77	102.76	47.979		
13,100.00	7,077.10	7,408.00	7,128.73	174.61	38.31	-91.56	-755.55	-409.36	5,024.29	4,921.56	102.72	48.910		
13,200.00	7,076.22	7,408.00	7,128.73	177.39	38.31	-91.56	-755.55	-409.36	5,118.27	5,015.59	102.69	49.844		
13,300.00	7,075.34	7,408.00	7,128.73	180.18	38.31	-91.56	-755.55	-409.36	5,212.48	5,109.84	102.65	50.781		
13,400.00	7,074.46	7,408.00	7,128.73	182.97	38.31	-91.56	-755.55	-409.36	5,306.91	5,204.30	102.61	51.720		
13,500.00	7,073.59	7,408.00	7,128.73	185.76	38.31	-91.56	-755.55	-409.36	5,401.53	5,298.96	102.57	52.660		
13,600.00	7,072.71	7,408.00	7,128.73	188.55	38.31	-91.56	-755.55	-409.36	5,496.35	5,393.81	102.54	53.603		
13,700.00	7,071.83	7,408.00	7,128.73	191.34	38.31	-91.56	-755.55	-409.36	5,591.34	5,488.84	102.50	54.547		
13,800.00	7,070.95	7,408.00	7,128.73	194.14	38.31	-91.56	-755.55	-409.36	5,686.51	5,584.03	102.47	55.493		
13,900.00	7,070.08	7,408.00	7,128.73	196.93	38.31	-91.56	-755.55	-409.36	5,781.84	5,679.40	102.44	56.441		

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

<b>Company:</b>	Synergy Resources Corporation	<b>Local Co-ordinate Reference:</b>	Well Boomerang 32C-6-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 32C-6-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		
14,000.00	7,069.20	7,408.00	7,128.73	199.73	38.31	-91.56	-755.55	-409.36	5,877.32	5,774.91	102.41	57.389		
14,100.00	7,068.32	7,408.00	7,128.73	202.53	38.31	-91.56	-755.55	-409.36	5,972.95	5,870.57	102.38	58.339		
14,200.00	7,067.45	7,408.00	7,128.73	205.33	38.31	-91.56	-755.55	-409.36	6,068.73	5,966.37	102.36	59.290		
14,300.00	7,066.57	7,408.00	7,128.73	208.13	38.31	-91.56	-755.55	-409.36	6,164.64	6,062.30	102.33	60.242		
14,400.00	7,065.69	7,408.00	7,128.73	210.93	38.31	-91.56	-755.55	-409.36	6,260.67	6,158.36	102.31	61.195		
14,500.00	7,064.81	7,408.00	7,128.73	213.73	38.31	-91.56	-755.55	-409.36	6,356.83	6,254.54	102.28	62.148		
14,600.00	7,063.94	7,408.00	7,128.73	216.54	38.31	-91.56	-755.55	-409.36	6,453.10	6,350.84	102.26	63.102		
14,700.00	7,063.06	7,408.00	7,128.73	219.34	38.31	-91.56	-755.55	-409.36	6,549.49	6,447.25	102.24	64.057		
14,800.00	7,062.18	7,408.00	7,128.73	222.15	38.31	-91.56	-755.55	-409.36	6,645.98	6,543.76	102.23	65.012		
14,900.00	7,061.30	7,408.00	7,128.73	224.95	38.31	-91.56	-755.55	-409.36	6,742.58	6,640.37	102.21	65.968		
15,000.00	7,060.43	7,408.00	7,128.73	227.76	38.31	-91.56	-755.55	-409.36	6,839.27	6,737.08	102.20	66.924		
15,100.00	7,059.55	7,408.00	7,128.73	230.57	38.31	-91.56	-755.55	-409.36	6,936.06	6,833.88	102.18	67.880		
15,200.00	7,058.67	7,408.00	7,128.73	233.38	38.31	-91.56	-755.55	-409.36	7,032.94	6,930.77	102.17	68.836		
15,300.00	7,057.79	7,408.00	7,128.73	236.19	38.31	-91.56	-755.55	-409.36	7,129.90	7,027.74	102.16	69.792		
15,400.00	7,056.92	7,408.00	7,128.73	239.00	38.31	-91.56	-755.55	-409.36	7,226.95	7,124.80	102.15	70.749		
15,500.00	7,056.04	7,408.00	7,128.73	241.81	38.31	-91.56	-755.55	-409.36	7,324.07	7,221.93	102.14	71.705		
15,600.00	7,055.16	7,408.00	7,128.73	244.62	38.31	-91.56	-755.55	-409.36	7,421.27	7,319.14	102.14	72.661		
15,700.00	7,054.28	7,408.00	7,128.73	247.43	38.31	-91.56	-755.55	-409.36	7,518.55	7,416.42	102.13	73.617		
15,800.00	7,053.41	7,408.00	7,128.73	250.25	38.31	-91.56	-755.55	-409.36	7,615.89	7,513.77	102.13	74.573		
15,846.35	7,053.00	7,408.00	7,128.73	251.55	38.31	-91.56	-755.55	-409.36	7,661.04	7,558.91	102.13	75.016		

**Company:** Synergy Resources Corporation  
**Project:** SEC 5-T5N-R66W  
**Reference Site:** Boomerang 21-5  
**Site Error:** 3.28 ft  
**Reference Well:** Boomerang 32C-6-M  
**Well Error:** 3.28 ft  
**Reference Wellbore:** OH  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Boomerang 32C-6-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

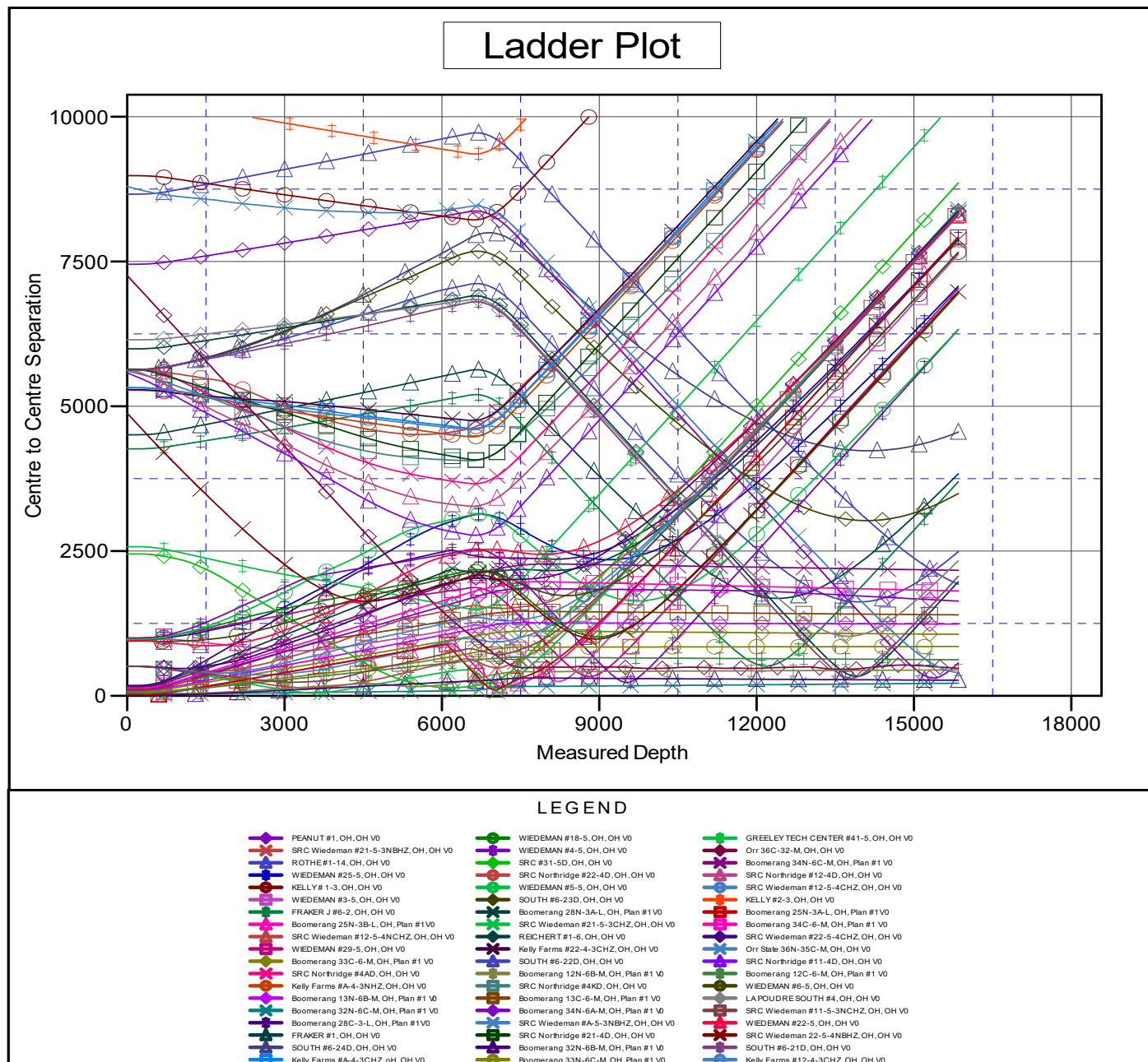
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 32C-6-M

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°



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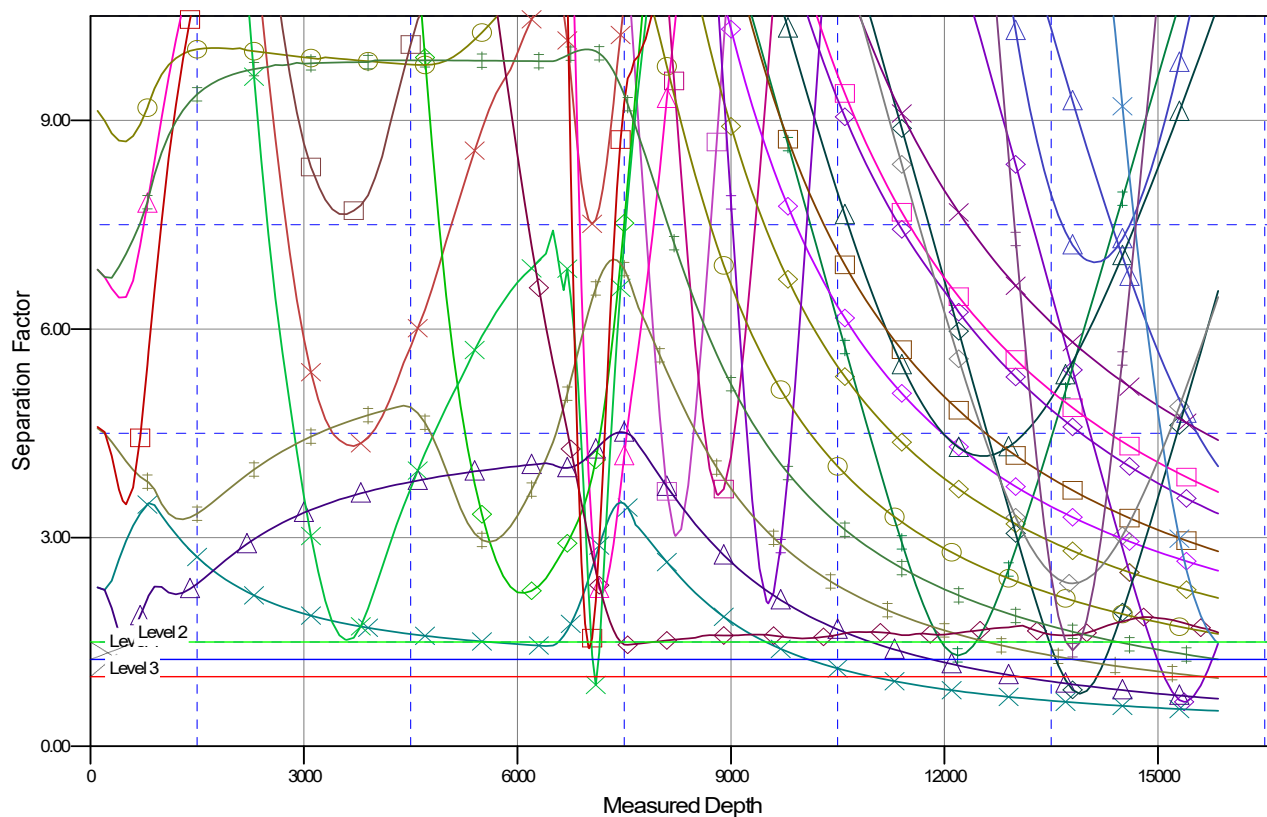
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 32C-6-M

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

## Separation Factor Plot



### LEGEND

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