



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 32N-6C-M

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	4/5/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	15,706.13	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	300.00	300.00	30.04	23.15	4.360	CC
Boomerang 12C-6-M - OH - Plan #1	15,706.13	15,693.26	453.06	-34.52	0.929	Level 1, ES, SF
Boomerang 12N-6B-M - OH - Plan #1	496.43	497.01	11.45	3.85	1.507	CC
Boomerang 12N-6B-M - OH - Plan #1	15,706.13	15,610.01	232.02	-244.05	0.487	Level 1, ES, SF
Boomerang 13C-6-M - OH - Plan #1	300.00	300.00	90.06	83.17	13.071	CC, ES
Boomerang 13C-6-M - OH - Plan #1	15,706.13	15,661.51	1,219.15	722.35	2.454	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	75.06	68.38	11.246	CC
Boomerang 13N-6B-M - OH - Plan #1	300.00	299.81	75.18	68.29	10.916	ES
Boomerang 13N-6B-M - OH - Plan #1	15,706.13	15,430.89	1,043.89	548.43	2.107	SF
Boomerang 25N-3A-L - OH - Plan #1	300.00	300.00	45.15	38.26	6.553	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	7,050.00	7,379.08	202.88	132.90	2.899	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	7,266.47	7,304.54	263.15	193.52	3.779	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	165.09	158.42	24.737	CC, ES
Boomerang 28C-3-L - OH - Plan #1	400.00	388.82	172.94	165.73	23.989	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	150.09	143.42	22.489	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	400.00	389.83	157.92	150.71	21.900	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	15.00	8.33	2.248	CC
Boomerang 32C-6-M - OH - Plan #1	15,706.13	15,846.35	219.26	-210.73	0.510	Level 1, ES, SF
Boomerang 32N-6B-M - OH - Plan #1	300.00	300.00	30.00	23.11	4.355	CC
Boomerang 32N-6B-M - OH - Plan #1	15,706.13	15,738.53	389.96	-107.79	0.783	Level 1, ES, SF
Boomerang 33C-6-M - OH - Plan #1	300.00	300.00	60.03	53.14	8.713	CC, ES
Boomerang 33C-6-M - OH - Plan #1	15,706.13	15,629.33	884.80	390.17	1.789	SF
Boomerang 33N-6C-M - OH - Plan #1	374.82	375.70	43.92	36.80	6.169	CC
Boomerang 33N-6C-M - OH - Plan #1	400.00	400.97	43.98	36.77	6.101	ES
Boomerang 33N-6C-M - OH - Plan #1	15,706.13	15,569.15	659.12	125.52	1.235	Level 2, SF
Boomerang 34C-6-M - OH - Plan #1	300.00	300.00	120.06	113.17	17.426	CC, ES
Boomerang 34C-6-M - OH - Plan #1	15,706.13	15,632.36	1,631.68	1,137.70	3.303	SF
Boomerang 34N-6A-M - OH - Plan #1	300.00	300.00	105.06	98.17	15.249	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	15,706.13	15,335.52	1,436.52	943.99	2.917	SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	135.09	128.42	20.242	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	15,706.13	15,490.71	1,979.47	1,486.86	4.018	SF
FRAKER #1 - OH - OH	12,267.09	6,979.18	1,525.86	1,129.32	3.848	CC
FRAKER #1 - OH - OH	12,300.00	6,978.86	1,526.22	1,128.81	3.840	ES
FRAKER #1 - OH - OH	12,400.00	6,977.90	1,531.64	1,132.04	3.833	SF
FRAKER J #6-2 - OH - OH	12,041.13	6,937.36	358.65	-30.16	0.922	Level 1, CC, ES, SF
GREELEY TECH CENTER #41-5 - OH - OH	6,519.93	6,414.13	1,512.57	1,454.80	26.181	CC, ES

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
GREELEY TECH CENTER #41-5 - OH - OH	6,650.00	6,547.18	1,525.41	1,466.59	25.937	SF
KELLY # 1-3 - OH - OH	6,489.70	6,334.95	8,215.47	7,965.37	32.849	CC
KELLY # 1-3 - OH - OH	6,500.00	6,345.15	8,215.55	7,965.05	32.796	ES
KELLY # 1-3 - OH - OH	7,000.00	6,805.70	8,403.67	8,135.75	31.367	SF
KELLY #2-3 - OH - OH	6,505.69	6,334.78	9,373.43	9,123.57	37.515	CC
KELLY #2-3 - OH - OH	6,550.00	6,378.65	9,374.97	9,123.40	37.266	ES
KELLY #2-3 - OH - OH	7,100.00	6,843.90	9,630.88	9,361.91	35.807	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,471.35	6,283.91	4,578.98	4,521.39	79.519	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,650.00	6,342.00	4,604.34	4,545.81	78.660	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,475.80	6,351.81	4,731.85	4,673.45	81.030	CC
Kelly Farms #22-4-3CHZ - OH - OH	6,500.00	6,500.00	4,732.35	4,673.21	80.020	ES
Kelly Farms #22-4-3CHZ - OH - OH	6,650.00	6,438.00	4,755.46	4,696.00	79.969	SF
Kelly Farms #A-4-3CHZ - oH - OH	6,482.41	6,351.00	4,604.62	4,546.13	78.720	CC, ES
Kelly Farms #A-4-3CHZ - oH - OH	6,650.00	6,441.00	4,627.05	4,567.51	77.722	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,470.83	6,239.99	4,463.16	4,403.98	75.421	CC
Kelly Farms #A-4-3NHZ - OH - OH	6,500.00	6,500.00	4,463.79	4,403.47	74.005	ES, SF
LA POUDRE SOUTH #4 - OH - OH	13,595.15	6,989.37	1,198.09	764.25	2.762	CC
LA POUDRE SOUTH #4 - OH - OH	13,600.00	6,989.32	1,198.10	764.13	2.761	ES
LA POUDRE SOUTH #4 - OH - OH	13,700.00	6,988.35	1,202.67	766.65	2.758	SF
Orr 36C-32-M - OH - OH	7,400.00	16,150.22	615.34	285.53	1.866	SF
Orr 36C-32-M - OH - OH	7,450.00	16,098.65	614.31	285.19	1.867	ES
Orr 36C-32-M - OH - OH	7,476.10	16,071.57	614.17	285.53	1.869	CC
Orr State 36N-35C-M - OH - OH	15,677.82	7,401.87	565.35	279.42	1.977	CC
Orr State 36N-35C-M - OH - OH	15,706.13	7,421.02	565.62	278.42	1.969	ES, SF
PEANUT #1 - OH - OH	15,223.64	6,927.66	126.42	-350.89	0.265	Level 1, CC, ES, SF
REICHERT #1-6 - OH - OH	13,758.14	6,989.79	165.44	-272.97	0.377	Level 1, CC, ES, SF
ROTHER #1-14 - OH - OH	15,706.13	6,969.00	1,755.99	1,286.05	3.737	CC, ES, SF
SOUTH #6-21D - OH - OH	13,658.01	7,301.04	129.86	-97.58	0.571	Level 1, CC, ES, SF
SOUTH #6-22D - OH - OH	13,819.31	7,047.16	1,454.54	1,224.53	6.324	CC, ES
SOUTH #6-22D - OH - OH	13,900.00	7,047.60	1,456.77	1,224.99	6.285	SF
SOUTH #6-23D - OH - OH	13,977.21	7,037.73	2,854.02	2,617.60	12.072	CC
SOUTH #6-23D - OH - OH	14,100.00	7,038.87	2,856.66	2,616.61	11.900	ES
SOUTH #6-23D - OH - OH	14,500.00	7,042.47	2,901.50	2,652.31	11.644	SF
SOUTH #6-24D - OH - OH	14,007.29	6,033.91	4,032.33	3,806.06	17.821	CC
SOUTH #6-24D - OH - OH	14,700.00	14,700.00	4,089.96	3,761.62	12.457	ES, SF
SRC #31-5D - OH - OH	6,409.71	6,535.80	75.26	8.28	1.124	Level 2, ES, SF
SRC #31-5D - OH - OH	6,428.66	6,554.26	74.96	8.40	1.126	Level 2, CC
SRC Northridge #11-4D - OH - OH	6,513.27	6,894.84	2,786.55	2,685.78	27.653	CC, ES
SRC Northridge #11-4D - OH - OH	6,550.00	6,934.15	2,787.59	2,686.74	27.643	SF
SRC Northridge #12-4D - OH - OH	6,477.19	6,672.88	3,242.90	3,165.30	41.786	CC, ES
SRC Northridge #12-4D - OH - OH	6,650.00	6,801.20	3,264.40	3,185.63	41.443	SF
SRC Northridge #21-4D - OH - OH	6,515.38	6,634.08	4,090.78	4,017.81	56.064	CC, ES
SRC Northridge #21-4D - OH - OH	6,700.00	6,809.92	4,117.34	4,043.27	55.587	SF
SRC Northridge #22-4D - OH - OH	5,597.84	5,065.90	4,489.34	4,442.81	96.486	CC
SRC Northridge #22-4D - OH - OH	5,600.00	5,065.90	4,489.34	4,442.80	96.469	ES
SRC Northridge #22-4D - OH - OH	6,409.71	5,065.90	4,562.16	4,513.25	93.275	SF
SRC Northridge #4AD - OH - OH	6,499.82	6,601.05	3,653.31	3,591.41	59.019	CC
SRC Northridge #4AD - OH - OH	6,500.00	6,601.26	3,653.31	3,591.41	59.018	ES
SRC Northridge #4AD - OH - OH	6,750.00	6,857.17	3,699.62	3,635.98	58.137	SF
SRC Northridge #4KD - OH - OH	6,445.41	6,499.86	4,014.32	3,923.94	44.419	CC
SRC Northridge #4KD - OH - OH	6,450.00	6,504.35	4,014.33	3,923.92	44.402	ES
SRC Northridge #4KD - OH - OH	6,650.00	6,687.66	4,041.13	3,949.50	44.104	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	3,308.88	3,287.12	181.10	150.89	5.994	CC, ES

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

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Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
SRC Wiedeman #11-5-3NCHZ - OH - OH	3,500.00	3,472.92	186.15	154.18	5.823	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	1,850.19	1,815.16	368.57	351.00	20.979	CC, ES
SRC Wiedeman #12-5-4CHZ - OH - OH	7,517.56	6,919.87	1,203.60	1,136.55	17.952	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	1,811.85	1,780.97	403.07	385.84	23.400	CC, ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	7,500.00	7,500.00	1,417.62	1,348.92	20.636	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	7,058.55	7,002.30	56.03	-8.34	0.870	Level 1, CC, ES, SF
SRC Wiedeman #21-5-3CHZ - OH - OH	3,494.14	3,463.00	82.21	50.28	2.575	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	3,500.00	3,468.82	82.21	50.23	2.571	ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	3,600.00	3,569.20	83.20	50.27	2.526	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	1,155.89	1,121.17	466.89	454.85	38.796	CC, ES
SRC Wiedeman #22-5-4CHZ - OH - OH	8,400.00	6,803.00	2,073.48	1,990.96	25.126	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,684.04	2,658.97	323.51	298.84	13.111	CC
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,700.00	2,674.08	323.55	298.73	13.037	ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	3,400.00	3,362.68	358.34	327.29	11.539	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,789.60	2,096.04	835.62	765.44	11.907	CC
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,800.00	2,096.21	835.69	765.24	11.863	ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,900.00	2,097.84	842.88	770.24	11.603	SF
WIEDEMAN #18-5 - OH - OH	8,832.01	7,004.31	889.30	796.06	9.538	CC, ES
WIEDEMAN #18-5 - OH - OH	9,000.00	7,005.03	905.02	808.42	9.368	SF
WIEDEMAN #22-5 - OH - OH	1,581.51	1,704.31	848.79	831.96	50.437	CC
WIEDEMAN #22-5 - OH - OH	1,600.00	1,720.13	848.83	831.81	49.875	ES
WIEDEMAN #22-5 - OH - OH	8,700.00	7,437.35	2,496.34	2,404.86	27.288	SF
WIEDEMAN #25-5 - OH - OH	100.00	60.73	969.82	963.25	147.548	CC, ES
WIEDEMAN #25-5 - OH - OH	9,900.00	7,238.03	2,378.54	2,256.37	19.469	SF
WIEDEMAN #29-5 - OH - OH	8,667.69	7,103.97	461.63	370.89	5.087	CC, ES
WIEDEMAN #29-5 - OH - OH	8,700.00	7,103.61	462.76	371.47	5.070	SF
WIEDEMAN #3-5 - OH - OH	8,073.05	7,087.54	128.78	48.14	1.597	CC, ES, SF
WIEDEMAN #4-5 - OH - OH	9,380.77	7,069.80	96.15	-14.18	0.871	Level 1, CC, ES, SF
WIEDEMAN #5-5 - OH - OH	100.00	57.13	979.34	972.77	149.016	CC, ES
WIEDEMAN #5-5 - OH - OH	10,000.00	7,201.87	1,560.21	1,431.46	12.118	SF
WIEDEMAN #6-5 - OH - OH	745.25	807.59	928.43	919.00	98.415	CC, ES
WIEDEMAN #6-5 - OH - OH	8,700.00	7,370.53	1,674.61	1,584.71	18.628	SF

Offset Design												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	-174.15	-29.88	-3.06	30.04				
100.00	100.00	100.00	100.00	3.28	3.28	-174.15	-29.88	-3.06	30.04	23.47	6.57	4.572	
200.00	200.00	200.00	200.00	3.34	3.34	-174.15	-29.88	-3.06	30.04	23.36	6.67	4.501	
300.00	300.00	300.00	300.00	3.44	3.44	-174.15	-29.88	-3.06	30.04	23.15	6.89	4.360	CC
400.00	399.98	400.51	400.49	3.60	3.60	138.12	-29.18	-1.44	30.50	23.29	7.21	4.232	
500.00	499.84	501.00	500.83	3.81	3.81	136.06	-27.09	3.41	31.91	24.29	7.61	4.191	
600.00	599.45	601.44	600.89	4.05	4.05	133.01	-23.60	11.49	34.33	26.23	8.10	4.239	
700.00	698.70	701.82	700.51	4.33	4.33	129.42	-18.73	22.77	37.86	29.21	8.66	4.374	
800.00	797.47	801.85	799.39	4.64	4.64	126.55	-12.76	36.59	42.76	33.48	9.27	4.611	
902.00	897.58	903.59	899.94	4.98	4.97	127.32	-6.60	50.88	49.86	39.90	9.96	5.007	
1,000.00	993.42	1,001.26	996.45	5.33	5.32	129.33	-0.67	64.59	57.78	47.12	10.66	5.419	
1,100.00	1,091.22	1,100.91	1,094.93	5.71	5.69	130.89	5.37	78.59	65.92	54.51	11.41	5.775	

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

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Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
1,200.00	1,189.02	1,200.56	1,193.41	6.11	6.08	132.09	11.41	92.59	74.10	61.90	12.19	6.077		
1,300.00	1,286.82	1,300.22	1,291.90	6.53	6.47	133.06	17.45	106.59	82.30	69.30	13.00	6.332		
1,400.00	1,384.62	1,400.13	1,390.38	6.95	6.88	133.86	23.50	120.58	90.52	76.70	13.82	6.550		
1,500.00	1,482.42	1,500.47	1,488.86	7.38	7.30	134.52	29.54	134.58	98.76	84.10	14.66	6.736		
1,600.00	1,580.22	1,600.82	1,587.34	7.83	7.72	135.08	35.58	148.58	107.01	91.49	15.51	6.897		
1,700.00	1,678.03	1,701.16	1,685.82	8.27	8.15	135.56	41.62	162.57	115.26	98.88	16.38	7.037		
1,800.00	1,775.83	1,801.51	1,784.30	8.72	8.58	135.97	47.67	176.57	123.53	106.27	17.26	7.159		
1,900.00	1,873.63	1,901.86	1,882.78	9.18	9.02	136.33	53.71	190.57	131.79	113.66	18.14	7.266		
2,000.00	1,971.43	2,002.20	1,981.26	9.64	9.46	136.65	59.75	204.57	140.07	121.04	19.03	7.361		
2,100.00	2,069.23	2,102.55	2,079.75	10.11	9.90	136.94	65.80	218.56	148.34	128.42	19.93	7.445		
2,200.00	2,167.03	2,197.11	2,178.23	10.57	10.32	137.19	71.84	232.56	156.62	135.82	20.80	7.529		
2,300.00	2,264.83	2,303.24	2,276.71	11.04	10.80	137.42	77.88	246.56	164.91	143.17	21.73	7.587		
2,400.00	2,362.63	2,396.42	2,375.19	11.52	11.21	137.63	83.92	260.55	173.19	150.58	22.61	7.659		
2,500.00	2,460.43	2,503.93	2,473.67	11.99	11.70	137.82	89.97	274.55	181.48	157.92	23.56	7.703		
2,600.00	2,558.23	2,604.28	2,572.15	12.47	12.15	137.99	96.01	288.55	189.77	165.29	24.48	7.753		
2,700.00	2,656.03	2,704.62	2,670.63	12.94	12.61	138.15	102.05	302.54	198.06	172.66	25.40	7.798		
2,800.00	2,753.83	2,804.97	2,769.11	13.42	13.06	138.29	108.09	316.54	206.35	180.03	26.32	7.839		
2,900.00	2,851.63	2,905.31	2,867.60	13.90	13.52	138.42	114.14	330.54	214.65	187.40	27.25	7.877		
3,000.00	2,949.43	2,994.34	2,966.08	14.38	13.93	138.55	120.18	344.54	222.94	194.82	28.12	7.927		
3,100.00	3,047.23	3,106.00	3,064.56	14.87	14.44	138.66	126.22	358.53	231.24	202.13	29.11	7.945		
3,200.00	3,145.03	3,206.35	3,163.04	15.35	14.90	138.77	132.26	372.53	239.53	209.50	30.04	7.975		
3,300.00	3,242.83	3,306.70	3,261.52	15.83	15.36	138.87	138.31	386.53	247.83	216.86	30.97	8.002		
3,400.00	3,340.63	3,407.04	3,360.00	16.32	15.83	138.96	144.35	400.52	256.13	224.22	31.90	8.028		
3,500.00	3,438.43	3,507.39	3,458.48	16.80	16.29	139.05	150.39	414.52	264.42	231.58	32.84	8.052		
3,600.00	3,536.23	3,607.73	3,556.96	17.29	16.75	139.13	156.43	428.52	272.72	238.95	33.78	8.074		
3,700.00	3,634.03	3,708.08	3,655.45	17.78	17.22	139.21	162.48	442.52	281.02	246.31	34.71	8.095		
3,800.00	3,731.83	3,808.42	3,753.93	18.26	17.68	139.28	168.52	456.51	289.32	253.67	35.65	8.115		
3,900.00	3,829.63	3,908.77	3,852.41	18.75	18.15	139.35	174.56	470.51	297.62	261.03	36.59	8.133		
4,000.00	3,927.43	4,009.12	3,950.89	19.24	18.61	139.41	180.60	484.51	305.92	268.39	37.53	8.150		
4,100.00	4,025.23	4,109.46	4,049.37	19.73	19.08	139.47	186.65	498.50	314.23	275.75	38.48	8.167		
4,200.00	4,123.03	4,190.19	4,147.85	20.22	19.45	139.53	192.69	512.50	322.53	283.20	39.33	8.201		
4,300.00	4,220.83	4,289.85	4,246.33	20.71	19.91	139.59	198.73	526.50	330.83	290.56	40.27	8.216		
4,400.00	4,318.63	4,389.50	4,344.81	21.20	20.38	139.64	204.77	540.50	339.13	297.92	41.21	8.230		
4,500.00	4,416.43	4,489.16	4,443.29	21.69	20.84	139.69	210.82	554.49	347.43	305.28	42.15	8.243		
4,600.00	4,514.23	4,588.81	4,541.78	22.18	21.31	139.74	216.86	568.49	355.74	312.64	43.09	8.255		
4,700.00	4,612.03	4,688.47	4,640.26	22.67	21.77	139.78	222.90	582.49	364.04	320.00	44.03	8.267		
4,800.00	4,709.83	4,788.12	4,738.74	23.16	22.24	139.83	228.94	596.48	372.34	327.36	44.98	8.279		
4,900.00	4,807.63	4,887.77	4,837.22	23.65	22.70	139.87	234.99	610.48	380.64	334.72	45.92	8.289		
5,000.00	4,905.43	4,987.43	4,935.70	24.14	23.16	139.91	241.03	624.48	388.95	342.08	46.86	8.300		
5,100.00	5,003.23	5,087.08	5,034.18	24.63	23.63	139.95	247.07	638.47	397.25	349.44	47.81	8.309		
5,200.00	5,101.03	5,186.74	5,132.66	25.12	24.10	139.98	253.12	652.47	405.55	356.80	48.75	8.319		
5,300.00	5,198.83	5,286.39	5,231.14	25.62	24.56	140.02	259.16	666.47	413.86	364.16	49.70	8.328		
5,400.00	5,296.63	5,386.05	5,329.63	26.11	25.03	140.05	265.20	680.47	422.16	371.52	50.64	8.336		
5,500.00	5,394.43	5,485.70	5,428.11	26.60	25.49	140.09	271.24	694.46	430.47	378.88	51.59	8.344		
5,600.00	5,492.23	5,585.35	5,526.59	27.09	25.96	140.12	277.29	708.46	438.77	386.24	52.53	8.352		
5,700.00	5,590.03	5,685.01	5,625.07	27.58	26.43	140.15	283.33	722.46	447.08	393.60	53.48	8.360		
5,800.00	5,687.83	5,784.66	5,723.55	28.08	26.89	140.18	289.37	736.45	455.38	400.96	54.43	8.367		
5,900.00	5,785.63	5,884.32	5,822.03	28.57	27.36	140.20	295.41	750.45	463.69	408.31	55.37	8.374		
6,000.00	5,883.43	5,983.97	5,920.51	29.06	27.82	140.23	301.46	764.45	471.99	415.67	56.32	8.381		
6,100.00	5,981.23	6,083.63	6,018.99	29.56	28.29	140.26	307.50	778.45	480.29	423.03	57.27	8.387		
6,200.00	6,079.04	6,183.28	6,117.48	30.05	28.76	140.28	313.54	792.44	488.60	430.39	58.21	8.393		
6,300.00	6,176.84	6,282.93	6,215.96	30.54	29.23	140.31	319.58	806.44	496.90	437.74	59.16	8.399		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
6,409.71	6,284.13	6,392.26	6,324.00	31.08	29.74	140.33	326.21	821.80	506.02	445.82	60.20	8.406		
6,450.00	6,323.71	6,432.41	6,363.67	31.28	29.93	154.63	328.65	827.43	509.16	448.57	60.58	8.405		
6,500.00	6,373.15	6,482.04	6,412.72	31.50	30.16	-178.11	331.66	834.41	512.49	451.44	61.05	8.395		
6,550.00	6,422.65	6,525.79	6,456.17	31.70	30.35	-147.41	334.26	838.71	515.58	454.13	61.45	8.390		
6,600.00	6,471.92	6,570.42	6,500.70	31.89	30.54	-126.41	336.82	840.02	518.62	456.79	61.84	8.387		
6,650.00	6,520.65	6,615.45	6,545.61	32.07	30.72	-114.61	339.29	838.19	521.63	459.41	62.22	8.384		
6,700.00	6,568.54	6,660.90	6,590.71	32.25	30.89	-107.85	341.67	833.11	524.59	461.99	62.60	8.380		
6,750.00	6,615.30	6,706.83	6,635.80	32.43	31.07	-103.75	343.93	824.73	527.50	464.51	62.99	8.374		
6,800.00	6,660.63	6,753.25	6,680.65	32.61	31.25	-101.17	346.06	812.98	530.35	466.95	63.41	8.364		
6,850.00	6,704.26	6,800.22	6,725.04	32.80	31.43	-99.52	348.05	797.79	533.14	469.30	63.84	8.351		
6,900.00	6,745.92	6,847.77	6,768.71	33.00	31.62	-98.47	349.88	779.12	535.86	471.56	64.30	8.334		
6,950.00	6,785.34	6,895.93	6,811.42	33.21	31.82	-97.85	351.53	756.94	538.49	473.71	64.78	8.312		
7,000.00	6,822.30	6,944.74	6,852.88	33.44	32.04	-97.54	353.00	731.23	541.02	475.73	65.30	8.286		
7,050.00	6,856.55	6,994.25	6,892.79	33.69	32.27	-97.46	354.25	702.00	543.45	477.60	65.85	8.253		
7,100.00	6,887.90	7,044.47	6,930.85	33.97	32.52	-97.55	355.28	669.26	545.75	479.31	66.44	8.214		
7,150.00	6,916.14	7,095.44	6,966.72	34.28	32.79	-97.78	356.07	633.08	547.91	480.84	67.07	8.169		
7,200.00	6,941.10	7,147.18	7,000.07	34.62	33.10	-98.13	356.61	593.54	549.91	482.15	67.76	8.116		
7,250.00	6,962.63	7,199.72	7,030.53	35.00	33.44	-98.57	356.86	550.76	551.74	483.24	68.50	8.055		
7,300.00	6,980.59	7,253.06	7,057.76	35.43	33.83	-99.08	356.84	504.91	553.36	484.06	69.30	7.985		
7,350.00	6,994.88	7,307.22	7,081.39	35.89	34.27	-99.65	356.51	456.20	554.75	484.58	70.17	7.906		
7,400.00	7,005.41	7,362.18	7,101.06	36.39	34.76	-100.27	355.86	404.89	555.90	484.80	71.11	7.818		
7,450.00	7,012.10	7,417.95	7,116.43	36.93	35.31	-100.93	354.90	351.31	556.78	484.67	72.11	7.721		
7,500.00	7,014.93	7,474.50	7,127.17	37.50	35.91	-101.63	353.61	295.83	557.36	484.18	73.19	7.616		
7,517.56	7,015.00	7,494.53	7,129.79	37.70	36.13	-101.88	353.08	275.98	557.49	483.91	73.57	7.577		
7,600.00	7,014.21	7,587.82	7,133.86	38.74	37.22	-102.41	350.13	182.90	557.11	481.49	75.62	7.367		
7,700.00	7,013.24	7,687.81	7,132.79	40.15	38.55	-102.43	346.65	82.97	555.83	477.49	78.34	7.095		
7,800.00	7,012.28	7,787.80	7,131.72	41.71	40.02	-102.45	343.17	-16.95	554.54	473.20	81.34	6.818		
7,900.00	7,011.31	7,887.79	7,130.65	43.40	41.64	-102.47	339.70	-116.88	553.25	468.66	84.60	6.540		
8,000.00	7,010.35	7,987.79	7,129.58	45.21	43.38	-102.48	336.22	-216.80	551.97	463.88	88.09	6.266		
8,100.00	7,009.38	8,087.78	7,128.51	47.12	45.24	-102.50	332.74	-316.73	550.68	458.90	91.78	6.000		
8,200.00	7,008.42	8,187.77	7,127.44	49.12	47.20	-102.52	329.27	-416.65	549.40	453.74	95.66	5.743		
8,300.00	7,007.45	8,287.76	7,126.37	51.21	49.24	-102.54	325.79	-516.58	548.11	448.41	99.70	5.498		
8,400.00	7,006.49	8,387.75	7,125.30	53.36	51.35	-102.56	322.31	-616.50	546.82	442.95	103.87	5.264		
8,500.00	7,005.52	8,487.74	7,124.23	55.57	53.54	-102.58	318.84	-716.43	545.54	437.37	108.17	5.043		
8,600.00	7,004.56	8,587.74	7,123.16	57.84	55.78	-102.60	315.36	-816.35	544.25	431.67	112.58	4.834		
8,700.00	7,003.59	8,687.73	7,122.09	60.16	58.08	-102.61	311.88	-916.28	542.97	425.88	117.09	4.637		
8,800.00	7,002.63	8,787.72	7,121.02	62.52	60.42	-102.63	308.41	-1,016.21	541.68	420.00	121.68	4.452		
8,900.00	7,001.66	8,887.71	7,119.95	64.92	62.81	-102.65	304.93	-1,116.13	540.39	414.04	126.35	4.277		
9,000.00	7,000.70	8,987.70	7,118.88	67.35	65.23	-102.67	301.45	-1,216.06	539.11	408.02	131.09	4.112		
9,100.00	6,999.73	9,087.69	7,117.81	69.81	67.68	-102.69	297.98	-1,315.98	537.82	401.93	135.89	3.958		
9,200.00	6,998.77	9,187.68	7,116.74	72.31	70.16	-102.71	294.50	-1,415.91	536.54	395.79	140.75	3.812		
9,300.00	6,997.80	9,287.68	7,115.67	74.82	72.67	-102.73	291.02	-1,515.83	535.25	389.60	145.65	3.675		
9,400.00	6,996.84	9,387.67	7,114.60	77.36	75.21	-102.75	287.54	-1,615.76	533.97	383.37	150.60	3.546		
9,500.00	6,995.88	9,487.66	7,113.53	79.92	77.76	-102.77	284.07	-1,715.68	532.68	377.09	155.59	3.424		
9,600.00	6,994.91	9,587.65	7,112.46	82.49	80.34	-102.79	280.59	-1,815.61	531.40	370.78	160.61	3.309		
9,700.00	6,993.95	9,687.64	7,111.39	85.09	82.93	-102.81	277.11	-1,915.53	530.11	364.44	165.67	3.200		
9,800.00	6,992.98	9,787.63	7,110.32	87.70	85.53	-102.83	273.64	-2,015.46	528.83	358.07	170.76	3.097		
9,900.00	6,992.02	9,887.63	7,109.25	90.32	88.16	-102.85	270.16	-2,115.38	527.54	351.67	175.87	3.000		
10,000.00	6,991.05	9,987.62	7,108.18	92.95	90.79	-102.87	266.68	-2,215.31	526.26	345.24	181.01	2.907		
10,100.00	6,990.09	10,087.61	7,107.11	95.60	93.44	-102.89	263.21	-2,315.24	524.97	338.80	186.18	2.820		
10,200.00	6,989.12	10,187.60	7,106.04	98.26	96.10	-102.91	259.73	-2,415.16	523.69	332.33	191.36	2.737		
10,300.00	6,988.16	10,287.59	7,104.97	100.92	98.77	-102.93	256.25	-2,515.09	522.40	325.84	196.56	2.658		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,400.00	6,987.19	10,387.58	7,103.90	103.60	101.44	-102.95	252.78	-2,615.01	521.12	319.34	201.78	2.583		
10,500.00	6,986.23	10,487.57	7,102.83	106.28	104.13	-102.97	249.30	-2,714.94	519.83	312.82	207.02	2.511		
10,600.00	6,985.26	10,587.57	7,101.76	108.98	106.83	-102.99	245.82	-2,814.86	518.55	306.28	212.27	2.443		
10,700.00	6,984.30	10,687.56	7,100.69	111.68	109.53	-103.01	242.35	-2,914.79	517.26	299.74	217.53	2.378		
10,800.00	6,983.33	10,787.55	7,099.62	114.38	112.24	-103.03	238.87	-3,014.71	515.98	293.17	222.81	2.316		
10,900.00	6,982.37	10,887.54	7,098.55	117.09	114.95	-103.05	235.39	-3,114.64	514.70	286.60	228.09	2.257		
11,000.00	6,981.40	10,987.53	7,097.47	119.81	117.68	-103.08	231.92	-3,214.56	513.41	280.02	233.39	2.200		
11,100.00	6,980.44	11,087.52	7,096.40	122.54	120.40	-103.10	228.44	-3,314.49	512.13	273.43	238.70	2.145		
11,200.00	6,979.47	11,187.52	7,095.33	125.26	123.14	-103.12	224.96	-3,414.41	510.84	266.82	244.02	2.093		
11,300.00	6,978.51	11,287.51	7,094.26	128.00	125.87	-103.14	221.49	-3,514.34	509.56	260.21	249.35	2.044		
11,400.00	6,977.54	11,387.50	7,093.19	130.73	128.62	-103.16	218.01	-3,614.27	508.28	253.59	254.68	1.996		
11,500.00	6,976.58	11,487.49	7,092.12	133.48	131.36	-103.18	214.53	-3,714.19	506.99	246.97	260.02	1.950		
11,600.00	6,975.62	11,587.48	7,091.05	136.22	134.11	-103.20	211.06	-3,814.12	505.71	240.34	265.37	1.906		
11,700.00	6,974.65	11,687.47	7,089.98	138.97	136.87	-103.23	207.58	-3,914.04	504.42	233.70	270.73	1.863		
11,800.00	6,973.69	11,787.47	7,088.91	141.73	139.62	-103.25	204.10	-4,013.97	503.14	227.05	276.09	1.822		
11,900.00	6,972.72	11,887.46	7,087.84	144.48	142.38	-103.27	200.63	-4,113.89	501.86	220.40	281.46	1.783		
12,000.00	6,971.76	11,987.45	7,086.77	147.24	145.15	-103.29	197.15	-4,213.82	500.57	213.74	286.83	1.745		
12,100.00	6,970.79	12,087.44	7,085.70	150.00	147.92	-103.31	193.67	-4,313.74	499.29	207.08	292.21	1.709		
12,200.00	6,969.83	12,187.43	7,084.63	152.77	150.68	-103.34	190.20	-4,413.67	498.01	200.42	297.59	1.673		
12,300.00	6,968.86	12,287.42	7,083.56	155.54	153.46	-103.36	186.72	-4,513.59	496.72	193.75	302.97	1.639		
12,400.00	6,967.90	12,387.41	7,082.49	158.31	156.23	-103.38	183.24	-4,613.52	495.44	187.08	308.36	1.607		
12,500.00	6,966.93	12,487.41	7,081.42	161.08	159.01	-103.41	179.77	-4,713.44	494.16	180.40	313.76	1.575		
12,600.00	6,965.97	12,587.40	7,080.35	163.85	161.79	-103.43	176.29	-4,813.37	492.87	173.72	319.15	1.544		
12,700.00	6,965.00	12,687.39	7,079.28	166.63	164.57	-103.45	172.81	-4,913.30	491.59	167.04	324.55	1.515		
12,800.00	6,964.04	12,787.38	7,078.21	169.41	167.35	-103.47	169.34	-5,013.22	490.31	160.35	329.95	1.486 Level 3		
12,900.00	6,963.07	12,887.37	7,077.14	172.19	170.14	-103.50	165.86	-5,113.15	489.02	153.66	335.36	1.458 Level 3		
13,000.00	6,962.11	12,987.36	7,076.07	174.97	172.93	-103.52	162.38	-5,213.07	487.74	146.97	340.77	1.431 Level 3		
13,100.00	6,961.14	13,087.36	7,075.00	177.76	175.72	-103.54	158.91	-5,313.00	486.46	140.28	346.18	1.405 Level 3		
13,200.00	6,960.18	13,187.35	7,073.93	180.54	178.51	-103.57	155.43	-5,412.92	485.18	133.59	351.59	1.380 Level 3		
13,300.00	6,959.21	13,287.34	7,072.86	183.33	181.30	-103.59	151.95	-5,512.85	483.89	126.89	357.01	1.355 Level 3		
13,400.00	6,958.25	13,387.33	7,071.79	186.12	184.10	-103.62	148.48	-5,612.77	482.61	120.19	362.42	1.332 Level 3		
13,500.00	6,957.28	13,487.32	7,070.72	188.91	186.89	-103.64	145.00	-5,712.70	481.33	113.49	367.84	1.309 Level 3		
13,600.00	6,956.32	13,587.31	7,069.65	191.70	189.69	-103.66	141.52	-5,812.62	480.05	106.79	373.26	1.286 Level 3		
13,700.00	6,955.35	13,687.31	7,068.58	194.49	192.49	-103.69	138.05	-5,912.55	478.77	100.08	378.68	1.264 Level 3		
13,800.00	6,954.39	13,787.30	7,067.51	197.29	195.29	-103.71	134.57	-6,012.47	477.48	93.38	384.10	1.243 Level 2		
13,900.00	6,953.43	13,887.29	7,066.44	200.08	198.09	-103.74	131.09	-6,112.40	476.20	86.67	389.53	1.223 Level 2		
14,000.00	6,952.46	13,987.28	7,065.37	202.88	200.89	-103.76	127.62	-6,212.33	474.92	79.97	394.95	1.202 Level 2		
14,100.00	6,951.50	14,087.27	7,064.30	205.68	203.69	-103.79	124.14	-6,312.25	473.64	73.26	400.38	1.183 Level 2		
14,200.00	6,950.53	14,187.26	7,063.23	208.48	206.50	-103.81	120.66	-6,412.18	472.36	66.55	405.81	1.164 Level 2		
14,300.00	6,949.57	14,287.25	7,062.16	211.28	209.30	-103.84	117.18	-6,512.10	471.07	59.84	411.23	1.146 Level 2		
14,400.00	6,948.60	14,387.25	7,061.09	214.08	212.11	-103.86	113.71	-6,612.03	469.79	53.13	416.66	1.128 Level 2		
14,500.00	6,947.64	14,487.24	7,060.02	216.88	214.91	-103.89	110.23	-6,711.95	468.51	46.42	422.09	1.110 Level 2		
14,600.00	6,946.67	14,587.23	7,058.95	219.68	217.72	-103.91	106.75	-6,811.88	467.23	39.71	427.52	1.093 Level 2		
14,700.00	6,945.71	14,687.22	7,057.88	222.49	220.53	-103.94	103.28	-6,911.80	465.95	33.00	432.95	1.076 Level 2		
14,800.00	6,944.74	14,787.21	7,056.81	225.29	223.34	-103.96	99.80	-7,011.73	464.67	26.29	438.38	1.060 Level 2		
14,900.00	6,943.78	14,887.20	7,055.74	228.10	226.15	-103.99	96.32	-7,111.65	463.39	19.58	443.81	1.044 Level 2		
15,000.00	6,942.81	14,987.20	7,054.67	230.90	228.96	-104.02	92.85	-7,211.58	462.11	12.87	449.24	1.029 Level 2		
15,100.00	6,941.85	15,087.19	7,053.59	233.71	231.78	-104.04	89.37	-7,311.50	460.82	6.16	454.67	1.014 Level 2		
15,200.00	6,940.88	15,187.18	7,052.52	236.52	234.59	-104.07	85.89	-7,411.43	459.54	-0.56	460.10	0.999 Level 1		
15,300.00	6,939.92	15,287.17	7,051.45	239.32	237.40	-104.10	82.42	-7,511.36	458.26	-7.27	465.53	0.984 Level 1		
15,400.00	6,938.95	15,387.16	7,050.38	242.13	240.22	-104.12	78.94	-7,611.28	456.98	-13.98	470.96	0.970 Level 1		
15,500.00	6,937.99	15,487.15	7,049.31	244.94	243.03	-104.15	75.46	-7,711.21	455.70	-20.69	476.39	0.957 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 12C-6-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
15,600.00	6,937.02	15,587.15	7,048.24	247.75	245.85	-104.18	71.99	-7,811.13	454.42	-27.40	481.82	0.943	Level 1
15,706.13	6,936.00	15,693.26	7,047.11	250.74	248.83	-104.20	68.30	-7,917.18	453.06	-34.52	487.58	0.929	Level 1, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-173.62	-14.94	-1.67	15.03					
100.00	100.00	100.00	100.00	3.28	3.28	-173.62	-14.94	-1.67	15.03	8.46	6.57	2.288		
200.00	200.00	200.00	200.00	3.34	3.34	-173.62	-14.94	-1.67	15.03	8.36	6.67	2.252		
300.00	300.00	300.33	300.31	3.44	3.44	-178.81	-13.85	-0.29	13.86	6.96	6.89	2.010		
400.00	399.98	400.51	400.35	3.60	3.61	120.74	-10.61	3.85	12.08	4.87	7.21	1.675		
496.43	496.28	497.01	496.47	3.80	3.81	104.26	-5.44	10.43	11.45	3.85	7.59	1.507 CC		
500.00	499.84	500.57	500.02	3.81	3.81	103.62	-5.21	10.73	11.45	3.84	7.61	1.505		
600.00	599.45	600.50	599.20	4.05	4.06	86.38	2.31	20.32	12.19	4.10	8.09	1.507		
700.00	698.70	700.31	697.77	4.33	4.35	72.65	11.96	32.62	14.15	5.49	8.66	1.633		
800.00	797.47	799.99	795.62	4.64	4.66	63.17	23.70	47.59	16.96	7.65	9.30	1.822		
902.00	897.58	901.53	894.54	4.98	5.02	56.91	37.81	65.58	20.39	10.38	10.01	2.037		
1,000.00	993.42	999.11	988.85	5.33	5.40	50.49	53.25	85.27	24.93	14.20	10.73	2.322		
1,100.00	1,091.22	1,101.07	1,085.17	5.71	5.82	45.19	69.44	105.90	30.27	18.77	11.50	2.632		
1,200.00	1,189.02	1,201.24	1,181.49	6.11	6.25	41.51	85.62	126.54	35.79	23.51	12.28	2.914		
1,300.00	1,286.82	1,298.58	1,277.81	6.53	6.68	38.81	101.80	147.17	41.41	28.34	13.07	3.168		
1,400.00	1,384.62	1,401.59	1,374.13	6.95	7.16	36.77	117.98	167.80	47.11	33.20	13.91	3.387		
1,500.00	1,482.42	1,501.77	1,470.45	7.38	7.63	35.16	134.16	188.43	52.85	38.10	14.75	3.583		
1,600.00	1,580.22	1,598.06	1,566.77	7.83	8.09	33.88	150.35	209.07	58.63	43.04	15.59	3.762		
1,700.00	1,678.03	1,702.12	1,663.09	8.27	8.60	32.82	166.53	229.70	64.43	47.96	16.47	3.912		
1,800.00	1,775.83	1,797.71	1,759.41	8.72	9.07	31.94	182.71	250.33	70.25	52.92	17.33	4.054		
1,900.00	1,873.63	1,897.53	1,855.73	9.18	9.57	31.19	198.89	270.96	76.08	57.87	18.21	4.178		
2,000.00	1,971.43	1,997.36	1,952.05	9.64	10.07	30.55	215.08	291.60	81.93	62.82	19.10	4.288		
2,100.00	2,069.23	2,102.82	2,048.37	10.11	10.60	29.99	231.26	312.23	87.78	67.75	20.03	4.382		
2,200.00	2,167.03	2,202.99	2,144.69	10.57	11.11	29.51	247.44	332.86	93.64	72.70	20.94	4.472		
2,300.00	2,264.83	2,296.83	2,241.01	11.04	11.59	29.08	263.62	353.49	99.51	77.69	21.82	4.560		
2,400.00	2,362.63	2,403.34	2,337.33	11.52	12.14	28.70	279.81	374.13	105.38	82.61	22.77	4.628		
2,500.00	2,460.43	2,503.52	2,433.65	11.99	12.65	28.36	295.99	394.76	111.25	87.56	23.69	4.696		
2,600.00	2,558.23	2,603.69	2,529.97	12.47	13.17	28.05	312.17	415.39	117.13	92.51	24.62	4.758		
2,700.00	2,656.03	2,703.87	2,626.29	12.94	13.69	27.78	328.35	436.02	123.01	97.47	25.55	4.815		
2,800.00	2,753.83	2,804.04	2,722.61	13.42	14.21	27.52	344.53	456.66	128.90	102.42	26.48	4.868		
2,900.00	2,851.63	2,904.22	2,818.93	13.90	14.74	27.29	360.72	477.29	134.78	107.37	27.41	4.917		
3,000.00	2,949.43	2,995.61	2,915.25	14.38	15.22	27.08	376.90	497.92	140.67	112.36	28.31	4.969		
3,100.00	3,047.23	3,104.57	3,011.57	14.87	15.79	26.89	393.08	518.55	146.56	117.27	29.29	5.004		
3,200.00	3,145.03	3,195.26	3,107.88	15.35	16.26	26.71	409.26	539.19	152.45	122.27	30.18	5.051		
3,300.00	3,242.83	3,304.91	3,204.20	15.83	16.84	26.55	425.45	559.82	158.35	127.17	31.17	5.080		
3,400.00	3,340.63	3,405.09	3,300.52	16.32	17.37	26.39	441.63	580.45	164.24	132.12	32.12	5.114		
3,500.00	3,438.43	3,505.26	3,396.84	16.80	17.90	26.25	457.81	601.08	170.14	137.07	33.06	5.146		
3,600.00	3,536.23	3,605.44	3,493.16	17.29	18.43	26.12	473.99	621.72	176.03	142.02	34.01	5.175		
3,700.00	3,634.03	3,705.61	3,589.48	17.78	18.96	25.99	490.18	642.35	181.93	146.97	34.96	5.204		
3,800.00	3,731.83	3,805.79	3,685.80	18.26	19.49	25.87	506.36	662.98	187.83	151.92	35.91	5.230		
3,900.00	3,829.63	3,905.96	3,782.12	18.75	20.02	25.76	522.54	683.61	193.73	156.86	36.86	5.255		
4,000.00	3,927.43	4,006.14	3,878.44	19.24	20.55	25.66	538.72	704.25	199.63	161.81	37.82	5.279		
4,100.00	4,025.23	4,093.69	3,974.76	19.73	21.01	25.56	554.91	724.88	205.53	166.82	38.71	5.310		
4,200.00	4,123.03	4,206.49	4,071.08	20.22	21.61	25.47	571.09	745.51	211.43	171.70	39.72	5.322		
4,300.00	4,220.83	4,306.66	4,167.40	20.71	22.15	25.39	587.27	766.14	217.33	176.65	40.68	5.343		
4,400.00	4,318.63	4,393.39	4,263.94	21.20	22.61	25.30	603.49	786.82	223.23	181.66	41.57	5.370		
4,500.00	4,416.43	4,501.25	4,368.56	21.69	23.17	25.41	619.69	807.48	227.27	184.65	42.62	5.333		
4,600.00	4,514.23	4,609.26	4,474.22	22.18	23.69	25.87	633.47	825.04	227.79	184.19	43.60	5.224		
4,700.00	4,612.03	4,717.10	4,580.50	22.67	24.19	26.71	644.76	839.44	224.82	180.30	44.53	5.049		
4,800.00	4,709.83	4,824.48	4,686.92	23.16	24.67	27.98	653.54	850.64	218.44	173.05	45.40	4.812		
4,900.00	4,807.63	4,931.09	4,793.04	23.65	25.11	29.78	659.82	858.65	208.78	162.56	46.22	4.517		
5,000.00	4,905.43	5,036.66	4,898.42	24.14	25.52	32.26	663.64	863.51	196.03	149.03	47.00	4.171		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,140.92	5,002.65	24.63	25.91	35.66	665.05	865.31	180.51	132.72	47.79	3.777		
5,200.00	5,101.03	5,239.30	5,101.03	25.12	26.27	39.90	665.06	865.33	163.90	115.08	48.82	3.357		
5,300.00	5,198.83	5,337.10	5,198.83	25.62	26.63	45.02	665.06	865.33	148.34	98.40	49.94	2.970		
5,400.00	5,296.63	5,434.91	5,296.63	26.11	26.99	51.25	665.06	865.33	134.23	83.07	51.16	2.624		
5,500.00	5,394.43	5,532.71	5,394.43	26.60	27.35	58.78	665.06	865.33	122.06	69.60	52.46	2.327		
5,600.00	5,492.23	5,630.51	5,492.23	27.09	27.71	67.73	665.06	865.33	112.48	58.64	53.84	2.089		
5,700.00	5,590.03	5,728.31	5,590.03	27.58	28.08	77.99	665.06	865.33	106.19	50.99	55.20	1.924		
5,800.00	5,687.83	5,826.11	5,687.83	28.08	28.44	89.07	665.06	865.33	103.77	47.36	56.41	1.840		
5,808.24	5,695.90	5,834.17	5,695.90	28.12	28.47	90.00	665.06	865.33	103.76	47.26	56.50	1.836		
5,900.00	5,785.63	5,923.91	5,785.63	28.57	28.81	100.23	665.06	865.33	105.51	48.13	57.38	1.839		
6,000.00	5,883.43	6,021.71	5,883.43	29.06	29.18	110.66	665.06	865.33	111.20	53.11	58.09	1.914		
6,100.00	5,981.23	6,119.51	5,981.23	29.56	29.55	119.84	665.06	865.33	120.29	61.64	58.65	2.051		
6,200.00	6,079.04	6,217.31	6,079.04	30.05	29.93	127.61	665.06	865.33	132.07	72.93	59.14	2.233		
6,300.00	6,176.84	6,315.11	6,176.84	30.54	30.30	134.04	665.06	865.33	145.90	86.26	59.64	2.446		
6,409.71	6,284.13	6,422.40	6,284.13	31.08	30.72	139.78	665.06	865.33	162.81	102.57	60.24	2.703		
6,450.00	6,323.71	6,461.47	6,323.20	31.28	30.87	155.92	665.06	865.25	169.15	108.69	60.47	2.797		
6,500.00	6,373.15	6,508.09	6,369.74	31.50	31.04	-174.65	664.96	862.84	176.96	116.32	60.64	2.918		
6,550.00	6,422.65	6,554.37	6,415.65	31.70	31.21	-141.85	664.71	857.08	184.76	124.00	60.76	3.041		
6,600.00	6,471.92	6,600.36	6,460.74	31.89	31.39	-118.90	664.32	848.07	192.50	131.65	60.85	3.164		
6,650.00	6,520.65	6,646.08	6,504.80	32.07	31.56	-105.27	663.80	835.91	200.11	139.19	60.91	3.285		
6,700.00	6,568.54	6,691.57	6,547.66	32.25	31.74	-96.81	663.15	820.71	207.51	146.56	60.95	3.404		
6,750.00	6,615.30	6,736.85	6,589.14	32.43	31.93	-91.11	662.37	802.58	214.67	153.68	60.99	3.520		
6,800.00	6,660.63	6,781.96	6,629.08	32.61	32.12	-87.04	661.47	781.64	221.53	160.50	61.03	3.630		
6,850.00	6,704.26	6,826.93	6,667.31	32.80	32.33	-83.99	660.45	758.01	228.03	166.95	61.09	3.733		
6,900.00	6,745.92	6,871.78	6,703.68	33.00	32.54	-81.63	659.33	731.81	234.15	172.98	61.18	3.828		
6,950.00	6,785.34	6,916.54	6,738.05	33.21	32.77	-79.79	658.10	703.18	239.85	178.53	61.32	3.912		
7,000.00	6,822.30	6,961.22	6,770.27	33.44	33.02	-78.34	656.77	672.26	245.08	183.56	61.52	3.984		
7,050.00	6,856.55	7,005.87	6,800.21	33.69	33.29	-77.19	655.35	639.18	249.83	188.02	61.81	4.042		
7,100.00	6,887.90	7,050.49	6,827.75	33.97	33.58	-76.31	653.84	604.12	254.07	191.87	62.20	4.085		
7,150.00	6,916.14	7,095.12	6,852.76	34.28	33.90	-75.64	652.26	567.21	257.76	195.06	62.70	4.111		
7,200.00	6,941.10	7,139.76	6,875.14	34.62	34.25	-75.17	650.60	528.62	260.91	197.58	63.33	4.120		
7,250.00	6,962.63	7,184.44	6,894.76	35.00	34.63	-74.87	648.88	488.52	263.48	199.40	64.09	4.111		
7,300.00	6,980.59	7,229.19	6,911.55	35.43	35.04	-74.73	647.10	447.10	265.48	200.50	64.98	4.085		
7,350.00	6,994.88	7,274.01	6,925.40	35.89	35.48	-74.74	645.27	404.52	266.89	200.88	66.01	4.043		
7,400.00	7,005.41	7,318.92	6,936.24	36.39	35.95	-74.90	643.40	360.99	267.70	200.54	67.16	3.986		
7,450.00	7,012.10	7,363.94	6,944.00	36.93	36.45	-75.20	641.49	316.69	267.92	199.50	68.43	3.915		
7,500.00	7,014.93	7,409.09	6,948.62	37.50	36.98	-75.63	639.57	271.83	267.56	197.76	69.80	3.833		
7,517.56	7,015.00	7,424.98	6,949.48	37.70	37.17	-75.82	638.89	255.98	267.29	196.99	70.30	3.802		
7,600.00	7,014.21	7,503.98	6,949.51	38.74	38.16	-75.96	635.50	177.06	266.69	194.24	72.45	3.681		
7,700.00	7,013.24	7,603.98	6,948.43	40.15	39.57	-75.91	631.20	77.16	266.25	191.04	75.21	3.540		
7,800.00	7,012.28	7,703.98	6,947.36	41.71	41.12	-75.87	626.91	-22.74	265.82	187.55	78.27	3.396		
7,900.00	7,011.31	7,803.98	6,946.28	43.40	42.81	-75.82	622.62	-122.64	265.38	183.80	81.58	3.253		
8,000.00	7,010.35	7,903.97	6,945.20	45.21	44.63	-75.77	618.33	-222.54	264.94	179.83	85.11	3.113		
8,100.00	7,009.38	8,003.97	6,944.12	47.12	46.54	-75.72	614.04	-322.44	264.51	175.66	88.85	2.977		
8,200.00	7,008.42	8,103.97	6,943.04	49.12	48.55	-75.67	609.75	-422.34	264.07	171.31	92.76	2.847		
8,300.00	7,007.45	8,203.97	6,941.96	51.21	50.64	-75.62	605.45	-522.25	263.64	166.81	96.82	2.723		
8,400.00	7,006.49	8,303.97	6,940.88	53.36	52.80	-75.57	601.16	-622.15	263.20	162.18	101.02	2.605		
8,500.00	7,005.52	8,403.97	6,939.81	55.57	55.02	-75.52	596.87	-722.05	262.77	157.43	105.33	2.495		
8,600.00	7,004.56	8,503.97	6,938.73	57.84	57.29	-75.47	592.58	-821.95	262.33	152.58	109.75	2.390		
8,700.00	7,003.59	8,603.97	6,937.65	60.16	59.62	-75.42	588.29	-921.85	261.90	147.64	114.26	2.292		
8,800.00	7,002.63	8,703.96	6,936.57	62.52	61.99	-75.37	584.00	-1,021.75	261.46	142.61	118.85	2.200		
8,900.00	7,001.66	8,803.96	6,935.49	64.92	64.40	-75.32	579.70	-1,121.65	261.03	137.52	123.51	2.113		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	8,903.96	6,934.41	67.35	66.84	-75.27	575.41	-1,221.55	260.59	132.36	128.24	2.032		
9,100.00	6,999.73	9,003.96	6,933.34	69.81	69.31	-75.21	571.12	-1,321.45	260.16	127.15	133.02	1.956		
9,200.00	6,998.77	9,103.96	6,932.26	72.31	71.81	-75.16	566.83	-1,421.35	259.73	121.88	137.85	1.884		
9,300.00	6,997.80	9,203.96	6,931.18	74.82	74.33	-75.11	562.54	-1,521.25	259.29	116.57	142.72	1.817		
9,400.00	6,996.84	9,303.96	6,930.10	77.36	76.88	-75.06	558.25	-1,621.15	258.86	111.23	147.63	1.753		
9,500.00	6,995.88	9,403.96	6,929.02	79.92	79.45	-75.01	553.95	-1,721.06	258.43	105.84	152.58	1.694		
9,600.00	6,994.91	9,503.95	6,927.94	82.49	82.03	-74.96	549.66	-1,820.96	258.00	100.43	157.57	1.637		
9,700.00	6,993.95	9,603.95	6,926.86	85.09	84.63	-74.90	545.37	-1,920.86	257.56	94.99	162.58	1.584		
9,800.00	6,992.98	9,703.95	6,925.79	87.70	87.25	-74.85	541.08	-2,020.76	257.13	89.52	167.61	1.534		
9,900.00	6,992.02	9,803.95	6,924.71	90.32	89.88	-74.80	536.79	-2,120.66	256.70	84.03	172.67	1.487 Level 3		
10,000.00	6,991.05	9,903.95	6,923.63	92.95	92.52	-74.75	532.50	-2,220.56	256.27	78.51	177.75	1.442 Level 3		
10,100.00	6,990.09	10,003.95	6,922.55	95.60	95.17	-74.69	528.20	-2,320.46	255.83	72.98	182.85	1.399 Level 3		
10,200.00	6,989.12	10,103.95	6,921.47	98.26	97.84	-74.64	523.91	-2,420.36	255.40	67.44	187.97	1.359 Level 3		
10,300.00	6,988.16	10,203.95	6,920.39	100.92	100.51	-74.59	519.62	-2,520.26	254.97	61.87	193.10	1.320 Level 3		
10,400.00	6,987.19	10,303.95	6,919.31	103.60	103.19	-74.54	515.33	-2,620.16	254.54	56.29	198.25	1.284 Level 3		
10,500.00	6,986.23	10,403.94	6,918.24	106.28	105.88	-74.48	511.04	-2,720.06	254.11	50.70	203.41	1.249 Level 2		
10,600.00	6,985.26	10,503.94	6,917.16	108.98	108.58	-74.43	506.75	-2,819.96	253.68	45.10	208.58	1.216 Level 2		
10,700.00	6,984.30	10,603.94	6,916.08	111.68	111.28	-74.37	502.45	-2,919.87	253.25	39.49	213.76	1.185 Level 2		
10,800.00	6,983.33	10,703.94	6,915.00	114.38	114.00	-74.32	498.16	-3,019.77	252.82	33.87	218.95	1.155 Level 2		
10,900.00	6,982.37	10,803.94	6,913.92	117.09	116.71	-74.27	493.87	-3,119.67	252.39	28.24	224.15	1.126 Level 2		
11,000.00	6,981.40	10,903.94	6,912.84	119.81	119.44	-74.21	489.58	-3,219.57	251.96	22.60	229.36	1.099 Level 2		
11,100.00	6,980.44	11,003.94	6,911.77	122.54	122.17	-74.16	485.29	-3,319.47	251.53	16.96	234.57	1.072 Level 2		
11,200.00	6,979.47	11,103.94	6,910.69	125.26	124.90	-74.10	481.00	-3,419.37	251.10	11.31	239.79	1.047 Level 2		
11,300.00	6,978.51	11,203.93	6,909.61	128.00	127.64	-74.05	476.70	-3,519.27	250.67	5.65	245.02	1.023 Level 2		
11,400.00	6,977.54	11,303.93	6,908.53	130.73	130.38	-73.99	472.41	-3,619.17	250.24	-0.01	250.25	1.000 Level 1		
11,500.00	6,976.58	11,403.93	6,907.45	133.48	133.13	-73.94	468.12	-3,719.07	249.81	-5.68	255.49	0.978 Level 1		
11,600.00	6,975.62	11,503.93	6,906.37	136.22	135.88	-73.88	463.83	-3,818.97	249.39	-11.35	260.73	0.956 Level 1		
11,700.00	6,974.65	11,603.93	6,905.29	138.97	138.63	-73.83	459.54	-3,918.87	248.96	-17.02	265.98	0.936 Level 1		
11,800.00	6,973.69	11,703.93	6,904.22	141.73	141.39	-73.77	455.25	-4,018.77	248.53	-22.69	271.22	0.916 Level 1		
11,900.00	6,972.72	11,803.93	6,903.14	144.48	144.15	-73.71	450.95	-4,118.68	248.10	-28.37	276.47	0.897 Level 1		
12,000.00	6,971.76	11,903.93	6,902.06	147.24	146.91	-73.66	446.66	-4,218.58	247.68	-34.05	281.73	0.879 Level 1		
12,100.00	6,970.79	12,003.92	6,900.98	150.00	149.68	-73.60	442.37	-4,318.48	247.25	-39.73	286.98	0.862 Level 1		
12,200.00	6,969.83	12,103.92	6,899.90	152.77	152.45	-73.54	438.08	-4,418.38	246.82	-45.42	292.24	0.845 Level 1		
12,300.00	6,968.86	12,203.92	6,898.82	155.54	155.22	-73.49	433.79	-4,518.28	246.39	-51.10	297.50	0.828 Level 1		
12,400.00	6,967.90	12,303.92	6,897.74	158.31	157.99	-73.43	429.50	-4,618.18	245.97	-56.79	302.76	0.812 Level 1		
12,500.00	6,966.93	12,403.92	6,896.67	161.08	160.77	-73.37	425.20	-4,718.08	245.54	-62.48	308.02	0.797 Level 1		
12,600.00	6,965.97	12,503.92	6,895.59	163.85	163.55	-73.32	420.91	-4,817.98	245.12	-68.16	313.28	0.782 Level 1		
12,700.00	6,965.00	12,603.92	6,894.51	166.63	166.33	-73.26	416.62	-4,917.88	244.69	-73.85	318.54	0.768 Level 1		
12,800.00	6,964.04	12,703.92	6,893.43	169.41	169.11	-73.20	412.33	-5,017.78	244.27	-79.54	323.80	0.754 Level 1		
12,900.00	6,963.07	12,803.92	6,892.35	172.19	171.90	-73.14	408.04	-5,117.68	243.84	-85.22	329.06	0.741 Level 1		
13,000.00	6,962.11	12,903.91	6,891.27	174.97	174.68	-73.08	403.75	-5,217.58	243.42	-90.91	334.33	0.728 Level 1		
13,100.00	6,961.14	13,003.91	6,890.19	177.76	177.47	-73.02	399.45	-5,317.49	242.99	-96.60	339.59	0.716 Level 1		
13,200.00	6,960.18	13,103.91	6,889.12	180.54	180.26	-72.97	395.16	-5,417.39	242.57	-102.28	344.85	0.703 Level 1		
13,300.00	6,959.21	13,203.91	6,888.04	183.33	183.05	-72.91	390.87	-5,517.29	242.14	-107.96	350.11	0.692 Level 1		
13,400.00	6,958.25	13,303.91	6,886.96	186.12	185.84	-72.85	386.58	-5,617.19	241.72	-113.65	355.36	0.680 Level 1		
13,500.00	6,957.28	13,403.91	6,885.88	188.91	188.64	-72.79	382.29	-5,717.09	241.29	-119.33	360.62	0.669 Level 1		
13,600.00	6,956.32	13,503.91	6,884.80	191.70	191.43	-72.73	378.00	-5,816.99	240.87	-125.01	365.88	0.658 Level 1		
13,700.00	6,955.35	13,603.91	6,883.72	194.49	194.23	-72.67	373.70	-5,916.89	240.45	-130.69	371.13	0.648 Level 1		
13,800.00	6,954.39	13,703.90	6,882.65	197.29	197.03	-72.61	369.41	-6,016.79	240.03	-136.36	376.39	0.638 Level 1		
13,900.00	6,953.43	13,803.90	6,881.57	200.08	199.83	-72.55	365.12	-6,116.69	239.60	-142.04	381.64	0.628 Level 1		
14,000.00	6,952.46	13,903.90	6,880.49	202.88	202.63	-72.49	360.83	-6,216.59	239.18	-147.71	386.89	0.618 Level 1		
14,100.00	6,951.50	14,003.90	6,879.41	205.68	205.43	-72.43	356.54	-6,316.49	238.76	-153.38	392.14	0.609 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,950.53	14,103.90	6,878.33	208.48	208.23	-72.37	352.25	-6,416.39	238.34	-159.05	397.38	0.600	Level 1	
14,300.00	6,949.57	14,203.90	6,877.25	211.28	211.03	-72.31	347.95	-6,516.30	237.91	-164.71	402.63	0.591	Level 1	
14,400.00	6,948.60	14,303.90	6,876.17	214.08	213.84	-72.25	343.66	-6,616.20	237.49	-170.37	407.87	0.582	Level 1	
14,500.00	6,947.64	14,403.90	6,875.10	216.88	216.64	-72.18	339.37	-6,716.10	237.07	-176.03	413.11	0.574	Level 1	
14,600.00	6,946.67	14,503.89	6,874.02	219.68	219.45	-72.12	335.08	-6,816.00	236.65	-181.69	418.34	0.566	Level 1	
14,700.00	6,945.71	14,603.89	6,872.94	222.49	222.26	-72.06	330.79	-6,915.90	236.23	-187.35	423.58	0.558	Level 1	
14,800.00	6,944.74	14,703.89	6,871.86	225.29	225.06	-72.00	326.50	-7,015.80	235.81	-193.00	428.81	0.550	Level 1	
14,900.00	6,943.78	14,803.89	6,870.78	228.10	227.87	-71.94	322.20	-7,115.70	235.39	-198.65	434.04	0.542	Level 1	
15,000.00	6,942.81	14,903.89	6,869.70	230.90	230.68	-71.87	317.91	-7,215.60	234.97	-204.29	439.26	0.535	Level 1	
15,100.00	6,941.85	15,003.89	6,868.62	233.71	233.49	-71.81	313.62	-7,315.50	234.55	-209.93	444.48	0.528	Level 1	
15,200.00	6,940.88	15,103.89	6,867.55	236.52	236.30	-71.75	309.33	-7,415.40	234.13	-215.57	449.70	0.521	Level 1	
15,300.00	6,939.92	15,203.89	6,866.47	239.32	239.11	-71.68	305.04	-7,515.30	233.71	-221.21	454.92	0.514	Level 1	
15,400.00	6,938.95	15,303.88	6,865.39	242.13	241.92	-71.62	300.75	-7,615.20	233.30	-226.84	460.13	0.507	Level 1	
15,500.00	6,937.99	15,403.88	6,864.31	244.94	244.74	-71.56	296.45	-7,715.11	232.88	-232.46	465.34	0.500	Level 1	
15,600.00	6,937.02	15,503.88	6,863.23	247.75	247.55	-71.49	292.16	-7,815.01	232.46	-238.09	470.55	0.494	Level 1	
15,706.13	6,936.00	15,610.01	6,862.09	250.74	250.54	-71.43	287.61	-7,921.03	232.02	-244.05	476.07	0.487	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.32	-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		
300.00	300.00	300.00	300.00	3.44	3.44	-174.32	-89.62	-8.91	90.06	83.17	6.89	13.071 CC, ES		
400.00	399.98	399.00	398.98	3.60	3.60	138.35	-90.30	-7.34	91.90	84.70	7.20	12.764		
500.00	499.84	497.79	497.63	3.81	3.79	137.44	-92.36	-2.66	97.45	89.85	7.60	12.826		
600.00	599.45	596.15	595.63	4.05	4.02	136.12	-95.75	5.10	106.72	98.64	8.08	13.213		
700.00	698.70	693.88	692.64	4.33	4.29	134.60	-100.46	15.86	119.72	111.09	8.62	13.881		
800.00	797.47	790.78	788.39	4.64	4.58	133.05	-106.44	29.51	136.45	127.21	9.23	14.780		
902.00	897.58	888.57	884.44	4.98	4.92	131.54	-113.79	46.28	157.32	147.41	9.90	15.883		
1,000.00	993.42	981.55	975.14	5.33	5.26	130.16	-121.99	65.00	179.88	169.29	10.59	16.986		
1,100.00	1,091.22	1,075.47	1,066.04	5.71	5.65	128.27	-131.47	86.65	204.44	193.11	11.32	18.054		
1,200.00	1,189.02	1,170.54	1,157.39	6.11	6.06	126.20	-142.03	110.77	230.40	218.30	12.10	19.048		
1,300.00	1,286.82	1,266.76	1,249.78	6.53	6.51	124.49	-152.81	135.37	256.70	243.80	12.90	19.895		
1,400.00	1,384.62	1,362.98	1,342.18	6.95	6.97	123.09	-163.58	159.98	283.19	269.45	13.73	20.619		
1,500.00	1,482.42	1,459.20	1,434.57	7.38	7.45	121.93	-174.36	184.58	309.80	295.21	14.59	21.239		
1,600.00	1,580.22	1,555.42	1,526.97	7.83	7.94	120.96	-185.13	209.18	336.51	321.05	15.45	21.774		
1,700.00	1,678.03	1,651.64	1,619.36	8.27	8.44	120.12	-195.91	233.79	363.30	346.96	16.34	22.237		
1,800.00	1,775.83	1,747.86	1,711.76	8.72	8.94	119.40	-206.68	258.39	390.15	372.92	17.23	22.640		
1,900.00	1,873.63	1,844.08	1,804.15	9.18	9.46	118.78	-217.46	283.00	417.05	398.91	18.14	22.993		
2,000.00	1,971.43	1,940.30	1,896.55	9.64	9.97	118.23	-228.23	307.60	443.99	424.94	19.05	23.304		
2,100.00	2,069.23	2,036.52	1,988.94	10.11	10.50	117.74	-239.01	332.20	470.97	450.99	19.97	23.579		
2,200.00	2,167.03	2,132.74	2,081.34	10.57	11.02	117.31	-249.79	356.81	497.97	477.07	20.90	23.823		
2,300.00	2,264.83	2,228.96	2,173.73	11.04	11.55	116.92	-260.56	381.41	525.00	503.16	21.84	24.041		
2,400.00	2,362.63	2,325.18	2,266.13	11.52	12.09	116.57	-271.34	406.02	552.04	529.27	22.78	24.237		
2,500.00	2,460.43	2,421.40	2,358.52	11.99	12.62	116.25	-282.11	430.62	579.11	555.39	23.72	24.413		
2,600.00	2,558.23	2,517.62	2,450.92	12.47	13.16	115.96	-292.89	455.22	606.19	581.52	24.67	24.572		
2,700.00	2,656.03	2,613.84	2,543.31	12.94	13.70	115.69	-303.66	479.83	633.28	607.66	25.62	24.716		
2,800.00	2,753.83	2,710.06	2,635.71	13.42	14.25	115.45	-314.44	504.43	660.39	633.81	26.58	24.848		
2,900.00	2,851.63	2,806.28	2,728.10	13.90	14.79	115.22	-325.21	529.04	687.50	659.97	27.54	24.968		
3,000.00	2,949.43	2,902.50	2,820.50	14.38	15.34	115.01	-335.99	553.64	714.62	686.13	28.50	25.078		
3,100.00	3,047.23	3,001.28	2,912.89	14.87	15.90	114.82	-346.76	578.24	741.76	712.28	29.47	25.168		
3,200.00	3,145.03	3,105.06	3,005.29	15.35	16.49	114.64	-357.54	602.85	768.90	738.42	30.48	25.229		
3,300.00	3,242.83	3,208.83	3,097.68	15.83	17.08	114.48	-368.32	627.45	796.04	764.56	31.48	25.284		
3,400.00	3,340.63	3,287.39	3,190.08	16.32	17.53	114.32	-379.09	652.05	823.19	790.83	32.36	25.439		
3,500.00	3,438.43	3,404.29	3,302.86	16.80	18.18	114.25	-391.42	680.21	849.31	815.77	33.53	25.328		
3,600.00	3,536.23	3,525.30	3,420.83	17.29	18.81	114.43	-402.24	704.90	872.77	838.08	34.70	25.153		
3,700.00	3,634.03	3,647.55	3,541.04	17.78	19.40	114.86	-411.12	725.20	893.55	857.72	35.83	24.939		
3,800.00	3,731.83	3,770.61	3,662.89	18.26	19.95	115.53	-417.98	740.86	911.66	874.75	36.92	24.694		
3,900.00	3,829.63	3,894.02	3,785.72	18.75	20.46	116.42	-422.75	751.74	927.17	889.21	37.96	24.422		
4,000.00	3,927.43	4,017.33	3,908.85	19.24	20.94	117.53	-425.39	757.76	940.18	901.22	38.96	24.130		
4,100.00	4,025.23	4,133.73	4,025.23	19.73	21.35	118.76	-425.97	759.09	950.93	911.03	39.90	23.834		
4,200.00	4,123.03	4,231.53	4,123.03	20.22	21.69	119.84	-425.97	759.09	961.31	920.55	40.76	23.583		
4,300.00	4,220.83	4,329.33	4,220.83	20.71	22.02	120.89	-425.97	759.09	972.03	930.40	41.63	23.350		
4,400.00	4,318.63	4,427.13	4,318.63	21.20	22.36	121.91	-425.97	759.09	983.08	940.58	42.49	23.135		
4,500.00	4,416.43	4,524.93	4,416.43	21.69	22.71	122.92	-425.97	759.09	994.44	951.08	43.36	22.936		
4,600.00	4,514.23	4,622.73	4,514.23	22.18	23.06	123.90	-425.97	759.09	1,006.10	961.88	44.22	22.752		
4,700.00	4,612.03	4,720.53	4,612.03	22.67	23.40	124.86	-425.97	759.09	1,018.06	972.97	45.08	22.581		
4,800.00	4,709.83	4,818.33	4,709.83	23.16	23.76	125.80	-425.97	759.09	1,030.30	984.35	45.95	22.423		
4,900.00	4,807.63	4,916.13	4,807.63	23.65	24.11	126.71	-425.97	759.09	1,042.81	996.00	46.81	22.277		
5,000.00	4,905.43	5,013.93	4,905.43	24.14	24.47	127.61	-425.97	759.09	1,055.59	1,007.92	47.67	22.142		
5,100.00	5,003.23	5,111.73	5,003.23	24.63	24.83	128.48	-425.97	759.09	1,068.63	1,020.09	48.53	22.018		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,209.53	5,101.03	25.12	25.19	129.34	-425.97	759.09	1,081.90	1,032.51	49.40	21.902		
5,300.00	5,198.83	5,307.33	5,198.83	25.62	25.55	130.17	-425.97	759.09	1,095.42	1,045.16	50.26	21.796		
5,400.00	5,296.63	5,405.13	5,296.63	26.11	25.92	130.98	-425.97	759.09	1,109.16	1,058.04	51.12	21.697		
5,500.00	5,394.43	5,502.93	5,394.43	26.60	26.29	131.78	-425.97	759.09	1,123.12	1,071.14	51.98	21.607		
5,600.00	5,492.23	5,600.73	5,492.23	27.09	26.66	132.55	-425.97	759.09	1,137.30	1,084.45	52.84	21.523		
5,700.00	5,590.03	5,701.47	5,590.03	27.58	27.04	133.31	-425.97	759.09	1,151.67	1,097.96	53.71	21.441		
5,800.00	5,687.83	5,803.67	5,687.83	28.08	27.43	134.04	-425.97	759.09	1,166.24	1,111.65	54.59	21.364		
5,900.00	5,785.63	5,905.87	5,785.63	28.57	27.82	134.76	-425.97	759.09	1,181.00	1,125.54	55.47	21.292		
6,000.00	5,883.43	6,008.07	5,883.43	29.06	28.21	135.47	-425.97	759.09	1,195.95	1,139.60	56.34	21.226		
6,100.00	5,981.23	6,089.73	5,981.23	29.56	28.53	136.15	-425.97	759.09	1,211.06	1,153.92	57.14	21.194		
6,200.00	6,079.04	6,187.53	6,079.04	30.05	28.91	136.82	-425.97	759.09	1,226.35	1,168.35	58.00	21.143		
6,300.00	6,176.84	6,285.33	6,176.84	30.54	29.29	137.47	-425.97	759.09	1,241.80	1,182.94	58.86	21.097		
6,409.71	6,284.13	6,407.37	6,284.13	31.08	29.76	138.17	-425.97	759.09	1,258.93	1,199.06	59.86	21.030		
6,450.00	6,323.71	6,432.21	6,323.71	31.28	29.86	153.07	-425.97	759.09	1,265.09	1,204.95	60.15	21.033		
6,500.00	6,373.15	6,481.65	6,373.15	31.50	30.06	-178.69	-425.97	759.09	1,272.27	1,211.71	60.56	21.008		
6,550.00	6,422.65	6,531.15	6,422.65	31.70	30.25	-147.11	-425.97	759.09	1,278.87	1,217.91	60.96	20.978		
6,600.00	6,471.92	6,580.42	6,471.92	31.89	30.44	-125.41	-425.97	759.09	1,284.86	1,223.50	61.36	20.941		
6,650.00	6,520.65	6,629.15	6,520.65	32.07	30.64	-113.08	-425.97	759.09	1,290.26	1,228.51	61.75	20.896		
6,700.00	6,568.54	6,670.04	6,568.54	32.25	30.79	-105.83	-425.97	758.38	1,295.22	1,233.14	62.09	20.862		
6,750.00	6,615.30	6,709.22	6,615.30	32.43	30.94	-101.22	-426.09	755.33	1,300.00	1,237.59	62.41	20.829		
6,800.00	6,660.63	6,748.92	6,660.63	32.61	31.09	-98.15	-426.27	749.79	1,304.60	1,241.84	62.76	20.789		
6,850.00	6,704.26	6,789.19	6,704.26	32.80	31.24	-96.02	-426.53	741.69	1,309.00	1,245.88	63.12	20.740		
6,900.00	6,745.92	6,830.12	6,745.92	33.00	31.41	-94.52	-426.88	730.91	1,313.20	1,249.70	63.50	20.680		
6,950.00	6,785.34	6,871.76	6,785.34	33.21	31.58	-93.46	-427.32	717.37	1,317.19	1,253.28	63.91	20.609		
7,000.00	6,822.30	6,914.21	6,822.30	33.44	31.76	-92.74	-427.85	700.95	1,320.97	1,256.61	64.37	20.523		
7,050.00	6,856.55	6,957.56	6,856.55	33.69	31.95	-92.27	-428.48	681.54	1,324.53	1,259.67	64.86	20.422		
7,100.00	6,887.90	7,001.89	6,887.90	33.97	32.16	-92.01	-429.20	659.00	1,327.86	1,262.46	65.40	20.304		
7,150.00	6,916.14	7,047.31	6,916.14	34.28	32.39	-91.92	-430.04	633.21	1,330.96	1,264.97	66.00	20.167		
7,200.00	6,941.10	7,093.95	6,941.10	34.62	32.65	-91.98	-430.98	604.04	1,333.82	1,267.16	66.66	20.011		
7,250.00	6,962.63	7,141.91	6,962.63	35.00	32.93	-92.18	-432.04	571.34	1,336.43	1,269.05	67.38	19.834		
7,300.00	6,980.59	7,191.34	6,980.59	35.43	33.25	-92.49	-433.21	534.99	1,338.77	1,270.60	68.17	19.638		
7,350.00	6,994.88	7,242.36	6,994.88	35.89	33.62	-92.91	-434.51	494.86	1,340.84	1,271.80	69.04	19.422		
7,400.00	7,005.41	7,295.12	7,005.41	36.39	34.03	-93.43	-435.93	450.85	1,342.61	1,272.62	69.98	19.185		
7,450.00	7,012.10	7,349.77	7,012.10	36.93	34.51	-94.04	-437.48	402.89	1,344.06	1,273.05	71.01	18.929		
7,500.00	7,014.93	7,406.46	7,014.93	37.50	35.05	-94.75	-439.16	350.98	1,345.17	1,273.05	72.12	18.653		
7,517.56	7,015.00	7,426.87	7,015.00	37.70	35.26	-95.01	-439.78	331.82	1,345.47	1,272.95	72.53	18.551		
7,600.00	7,014.21	7,528.04	7,014.21	38.74	36.38	-96.14	-442.94	234.08	1,346.39	1,271.72	74.67	18.030		
7,700.00	7,013.24	7,658.76	7,013.24	40.15	38.01	-96.61	-447.15	104.01	1,345.79	1,268.04	77.75	17.309		
7,800.00	7,012.28	7,756.41	7,012.28	41.71	39.40	-96.60	-450.30	6.42	1,344.21	1,263.48	80.73	16.651		
7,900.00	7,011.31	7,856.39	7,011.31	43.40	40.95	-96.58	-453.53	-93.50	1,342.63	1,258.64	83.99	15.986		
8,000.00	7,010.35	7,956.38	7,010.35	45.21	42.64	-96.57	-456.76	-193.43	1,341.04	1,253.55	87.50	15.327		
8,100.00	7,009.38	8,056.37	7,009.38	47.12	44.45	-96.56	-459.99	-293.35	1,339.46	1,248.24	91.22	14.684		
8,200.00	7,008.42	8,156.35	7,008.42	49.12	46.36	-96.55	-463.22	-393.28	1,337.87	1,242.74	95.13	14.063		
8,300.00	7,007.45	8,256.34	7,007.45	51.21	48.37	-96.53	-466.45	-493.20	1,336.29	1,237.07	99.21	13.469		
8,400.00	7,006.49	8,356.33	7,006.49	53.36	50.45	-96.52	-469.68	-593.13	1,334.70	1,231.26	103.44	12.903		
8,500.00	7,005.52	8,456.31	7,005.52	55.57	52.61	-96.51	-472.91	-693.05	1,333.12	1,225.31	107.81	12.366		
8,600.00	7,004.56	8,556.30	7,004.56	57.84	54.83	-96.49	-476.14	-792.98	1,331.54	1,219.25	112.28	11.859		
8,700.00	7,003.59	8,656.29	7,003.59	60.16	57.11	-96.48	-479.38	-892.90	1,329.95	1,213.09	116.86	11.381		
8,800.00	7,002.63	8,756.28	7,002.63	62.52	59.44	-96.47	-482.61	-992.82	1,328.37	1,206.84	121.53	10.930		
8,900.00	7,001.66	8,856.26	7,001.66	64.92	61.81	-96.45	-485.84	-1,092.75	1,326.78	1,200.50	126.28	10.507		
9,000.00	7,000.70	8,956.25	7,000.70	67.35	64.22	-96.44	-489.07	-1,192.67	1,325.20	1,194.10	131.10	10.108		
9,100.00	6,999.73	9,056.24	6,999.73	69.81	66.66	-96.43	-492.30	-1,292.60	1,323.62	1,187.63	135.99	9.733		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 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		
9,200.00	6,998.77	9,156.22	7,146.26	72.31	69.14	-96.42	-495.53	-1,392.52	1,322.03	1,181.10	140.93	9.381		
9,300.00	6,997.80	9,256.21	7,144.81	74.82	71.64	-96.40	-498.76	-1,492.45	1,320.45	1,174.52	145.93	9.049		
9,400.00	6,996.84	9,356.20	7,143.37	77.36	74.17	-96.39	-501.99	-1,592.37	1,318.86	1,167.89	150.97	8.736		
9,500.00	6,995.88	9,456.18	7,141.93	79.92	76.72	-96.38	-505.22	-1,692.29	1,317.28	1,161.22	156.06	8.441		
9,600.00	6,994.91	9,556.17	7,140.48	82.49	79.29	-96.36	-508.45	-1,792.22	1,315.70	1,154.52	161.18	8.163		
9,700.00	6,993.95	9,656.16	7,139.04	85.09	81.87	-96.35	-511.68	-1,892.14	1,314.11	1,147.78	166.34	7.900		
9,800.00	6,992.98	9,756.15	7,137.60	87.70	84.48	-96.34	-514.91	-1,992.07	1,312.53	1,141.00	171.53	7.652		
9,900.00	6,992.02	9,856.13	7,136.15	90.32	87.10	-96.32	-518.14	-2,091.99	1,310.95	1,134.20	176.74	7.417		
10,000.00	6,991.05	9,956.12	7,134.71	92.95	89.73	-96.31	-521.37	-2,191.92	1,309.36	1,127.38	181.99	7.195		
10,100.00	6,990.09	10,056.11	7,133.27	95.60	92.37	-96.30	-524.60	-2,291.84	1,307.78	1,120.52	187.26	6.984		
10,200.00	6,989.12	10,156.09	7,131.83	98.26	95.03	-96.28	-527.83	-2,391.77	1,306.20	1,113.65	192.55	6.784		
10,300.00	6,988.16	10,256.08	7,130.38	100.92	97.70	-96.27	-531.06	-2,491.69	1,304.62	1,106.76	197.86	6.594		
10,400.00	6,987.19	10,356.07	7,128.94	103.60	100.37	-96.26	-534.29	-2,591.61	1,303.03	1,099.84	203.19	6.413		
10,500.00	6,986.23	10,456.05	7,127.50	106.28	103.06	-96.24	-537.52	-2,691.54	1,301.45	1,092.91	208.54	6.241		
10,600.00	6,985.26	10,556.04	7,126.05	108.98	105.75	-96.23	-540.75	-2,791.46	1,299.87	1,085.97	213.90	6.077		
10,700.00	6,984.30	10,656.03	7,124.61	111.68	108.46	-96.21	-543.98	-2,891.39	1,298.28	1,079.01	219.28	5.921		
10,800.00	6,983.33	10,756.02	7,123.17	114.38	111.16	-96.20	-547.21	-2,991.31	1,296.70	1,072.03	224.67	5.772		
10,900.00	6,982.37	10,856.00	7,121.73	117.09	113.88	-96.19	-550.45	-3,091.24	1,295.12	1,065.04	230.07	5.629		
11,000.00	6,981.40	10,955.99	7,120.28	119.81	116.60	-96.17	-553.68	-3,191.16	1,293.54	1,058.04	235.49	5.493		
11,100.00	6,980.44	11,055.98	7,118.84	122.54	119.33	-96.16	-556.91	-3,291.09	1,291.95	1,051.03	240.92	5.363		
11,200.00	6,979.47	11,155.96	7,117.40	125.26	122.06	-96.15	-560.14	-3,391.01	1,290.37	1,044.01	246.36	5.238		
11,300.00	6,978.51	11,255.95	7,115.95	128.00	124.80	-96.13	-563.37	-3,490.93	1,288.79	1,036.98	251.81	5.118		
11,400.00	6,977.54	11,355.94	7,114.51	130.73	127.54	-96.12	-566.60	-3,590.86	1,287.21	1,029.94	257.27	5.003		
11,500.00	6,976.58	11,455.92	7,113.07	133.48	130.29	-96.10	-569.83	-3,690.78	1,285.63	1,022.89	262.73	4.893		
11,600.00	6,975.62	11,555.91	7,111.63	136.22	133.04	-96.09	-573.06	-3,790.71	1,284.04	1,015.83	268.21	4.787		
11,700.00	6,974.65	11,655.90	7,110.18	138.97	135.79	-96.08	-576.29	-3,890.63	1,282.46	1,008.77	273.69	4.686		
11,800.00	6,973.69	11,755.89	7,108.74	141.73	138.55	-96.06	-579.52	-3,990.56	1,280.88	1,001.70	279.18	4.588		
11,900.00	6,972.72	11,855.87	7,107.30	144.48	141.31	-96.05	-582.75	-4,090.48	1,279.30	994.62	284.68	4.494		
12,000.00	6,971.76	11,955.86	7,105.85	147.24	144.07	-96.03	-585.98	-4,190.40	1,277.72	987.53	290.18	4.403		
12,100.00	6,970.79	12,055.85	7,104.41	150.00	146.84	-96.02	-589.21	-4,290.33	1,276.13	980.44	295.69	4.316		
12,200.00	6,969.83	12,155.83	7,102.97	152.77	149.61	-96.01	-592.44	-4,390.25	1,274.55	973.35	301.21	4.231		
12,300.00	6,968.86	12,255.82	7,101.53	155.54	152.38	-95.99	-595.67	-4,490.18	1,272.97	966.24	306.73	4.150		
12,400.00	6,967.90	12,355.81	7,100.08	158.31	155.16	-95.98	-598.90	-4,590.10	1,271.39	959.14	312.25	4.072		
12,500.00	6,966.93	12,455.79	7,098.64	161.08	157.94	-95.96	-602.13	-4,690.03	1,269.81	952.02	317.79	3.996		
12,600.00	6,965.97	12,555.78	7,097.20	163.85	160.72	-95.95	-605.36	-4,789.95	1,268.23	944.91	323.32	3.922		
12,700.00	6,965.00	12,655.77	7,095.75	166.63	163.50	-95.93	-608.59	-4,889.88	1,266.65	937.78	328.86	3.852		
12,800.00	6,964.04	12,755.76	7,094.31	169.41	166.29	-95.92	-611.82	-4,989.80	1,265.06	930.66	334.41	3.783		
12,900.00	6,963.07	12,855.74	7,092.87	172.19	169.07	-95.91	-615.05	-5,089.72	1,263.48	923.53	339.96	3.717		
13,000.00	6,962.11	12,955.73	7,091.43	174.97	171.86	-95.89	-618.28	-5,189.65	1,261.90	916.39	345.51	3.652		
13,100.00	6,961.14	13,055.72	7,089.98	177.76	174.65	-95.88	-621.52	-5,289.57	1,260.32	909.26	351.06	3.590		
13,200.00	6,960.18	13,155.70	7,088.54	180.54	177.44	-95.86	-624.75	-5,389.50	1,258.74	902.12	356.62	3.530		
13,300.00	6,959.21	13,255.69	7,087.10	183.33	180.23	-95.85	-627.98	-5,489.42	1,257.16	894.97	362.19	3.471		
13,400.00	6,958.25	13,355.68	7,085.65	186.12	183.03	-95.83	-631.21	-5,589.35	1,255.58	887.83	367.75	3.414		
13,500.00	6,957.28	13,455.66	7,084.21	188.91	185.83	-95.82	-634.44	-5,689.27	1,254.00	880.67	373.32	3.359		
13,600.00	6,956.32	13,555.65	7,082.77	191.70	188.62	-95.80	-637.67	-5,789.19	1,252.42	873.52	378.90	3.305		
13,700.00	6,955.35	13,655.64	7,081.33	194.49	191.42	-95.79	-640.90	-5,889.12	1,250.84	866.36	384.47	3.253		
13,800.00	6,954.39	13,755.63	7,079.88	197.29	194.22	-95.78	-644.13	-5,989.04	1,249.26	859.21	390.05	3.203		
13,900.00	6,953.43	13,855.61	7,078.44	200.08	197.02	-95.76	-647.36	-6,088.97	1,247.68	852.04	395.63	3.154		
14,000.00	6,952.46	13,955.60	7,077.00	202.88	199.83	-95.75	-650.59	-6,188.89	1,246.10	844.88	401.22	3.106		
14,100.00	6,951.50	14,055.59	7,075.55	205.68	202.63	-95.73	-653.82	-6,288.82	1,244.52	837.71	406.80	3.059		
14,200.00	6,950.53	14,155.57	7,074.11	208.48	205.44	-95.72	-657.05	-6,388.74	1,242.94	830.55	412.39	3.014		
14,300.00	6,949.57	14,255.56	7,072.67	211.28	208.24	-95.70	-660.28	-6,488.67	1,241.36	823.37	417.98	2.970		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 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	
14,400.00	6,948.60	14,355.55	7,071.22	214.08	211.05	-95.69	-663.51	-6,588.59	1,239.78	816.20	423.58	2.927	
14,500.00	6,947.64	14,455.53	7,069.78	216.88	213.86	-95.67	-666.74	-6,688.51	1,238.20	809.03	429.17	2.885	
14,600.00	6,946.67	14,555.52	7,068.34	219.68	216.67	-95.66	-669.97	-6,788.44	1,236.62	801.85	434.77	2.844	
14,700.00	6,945.71	14,655.51	7,066.90	222.49	219.48	-95.64	-673.20	-6,888.36	1,235.04	794.67	440.37	2.805	
14,800.00	6,944.74	14,755.50	7,065.45	225.29	222.29	-95.63	-676.43	-6,988.29	1,233.46	787.49	445.97	2.766	
14,900.00	6,943.78	14,855.48	7,064.01	228.10	225.10	-95.61	-679.66	-7,088.21	1,231.88	780.31	451.57	2.728	
15,000.00	6,942.81	14,955.47	7,062.57	230.90	227.91	-95.60	-682.89	-7,188.14	1,230.30	773.12	457.18	2.691	
15,100.00	6,941.85	15,055.46	7,061.12	233.71	230.72	-95.58	-686.12	-7,288.06	1,228.72	765.94	462.79	2.655	
15,200.00	6,940.88	15,155.44	7,059.68	236.52	233.54	-95.57	-689.35	-7,387.98	1,227.14	758.75	468.40	2.620	
15,300.00	6,939.92	15,255.43	7,058.24	239.32	236.35	-95.55	-692.58	-7,487.91	1,225.56	751.56	474.01	2.586	
15,400.00	6,938.95	15,355.42	7,056.80	242.13	239.17	-95.53	-695.82	-7,587.83	1,223.99	744.37	479.62	2.552	
15,500.00	6,937.99	15,455.40	7,055.35	244.94	241.98	-95.52	-699.05	-7,687.76	1,222.41	737.18	485.23	2.519	
15,600.00	6,937.02	15,555.39	7,053.91	247.75	244.80	-95.50	-702.28	-7,787.68	1,220.83	729.98	490.85	2.487	
15,706.13	6,936.00	15,661.51	7,052.38	250.74	247.79	-95.49	-705.70	-7,893.73	1,219.15	722.35	496.81	2.454 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.25	-74.68	-7.52	75.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.25	-74.68	-7.52	75.06	68.49	6.57	11.426		
200.00	200.00	200.00	200.00	3.34	3.34	-174.25	-74.68	-7.52	75.06	68.38	6.67	11.246 CC		
300.00	300.00	299.81	299.79	3.44	3.44	-175.58	-74.95	-5.80	75.18	68.29	6.89	10.916 ES		
400.00	399.98	399.43	399.27	3.60	3.60	134.41	-75.77	-0.66	76.98	69.79	7.20	10.695		
500.00	499.84	498.75	498.21	3.81	3.80	130.95	-77.12	7.86	81.94	74.33	7.60	10.776		
600.00	599.45	597.74	596.46	4.05	4.05	127.46	-78.99	19.68	90.12	82.02	8.09	11.137		
700.00	698.70	702.90	694.93	4.33	4.34	125.42	-81.07	32.81	100.92	92.26	8.67	11.646		
800.00	797.47	803.74	793.20	4.64	4.65	125.16	-83.14	45.92	113.78	104.50	9.29	12.252		
902.00	897.58	902.92	893.12	4.98	4.99	126.19	-85.26	59.24	128.98	119.02	9.96	12.947		
1,000.00	993.42	1,006.25	988.91	5.33	5.36	127.73	-87.28	72.02	144.69	134.01	10.68	13.545		
1,100.00	1,091.22	1,107.61	1,086.67	5.71	5.74	128.98	-89.34	85.06	160.79	149.36	11.43	14.064		
1,200.00	1,189.02	1,208.97	1,184.42	6.11	6.13	130.01	-91.41	98.09	176.96	164.75	12.21	14.489		
1,300.00	1,286.82	1,289.66	1,282.17	6.53	6.45	130.87	-93.47	111.13	193.18	180.24	12.93	14.935		
1,400.00	1,384.62	1,388.30	1,379.92	6.95	6.85	131.59	-95.54	124.17	209.43	195.68	13.75	15.236		
1,500.00	1,482.42	1,486.94	1,477.67	7.38	7.26	132.21	-97.60	137.20	225.70	211.13	14.57	15.489		
1,600.00	1,580.22	1,585.58	1,575.43	7.83	7.67	132.74	-99.67	150.24	242.00	226.59	15.41	15.703		
1,700.00	1,678.03	1,684.22	1,673.18	8.27	8.09	133.21	-101.73	163.28	258.32	242.06	16.26	15.885		
1,800.00	1,775.83	1,782.86	1,770.93	8.72	8.51	133.62	-103.80	176.31	274.65	257.53	17.12	16.041		
1,900.00	1,873.63	1,881.50	1,868.68	9.18	8.94	133.99	-105.86	189.35	291.00	273.01	17.99	16.175		
2,000.00	1,971.43	1,980.14	1,966.43	9.64	9.37	134.31	-107.93	202.39	307.35	288.49	18.87	16.291		
2,100.00	2,069.23	2,078.78	2,064.19	10.11	9.80	134.61	-109.99	215.42	323.72	303.97	19.75	16.392		
2,200.00	2,167.03	2,177.42	2,161.94	10.57	10.24	134.87	-112.06	228.46	340.09	319.45	20.64	16.481		
2,300.00	2,264.83	2,276.06	2,259.69	11.04	10.68	135.11	-114.12	241.50	356.47	334.94	21.53	16.559		
2,400.00	2,362.63	2,374.70	2,357.44	11.52	11.12	135.33	-116.19	254.53	372.85	350.43	22.42	16.628		
2,500.00	2,460.43	2,473.33	2,455.19	11.99	11.56	135.53	-118.25	267.57	389.24	365.92	23.32	16.689		
2,600.00	2,558.23	2,571.97	2,552.95	12.47	12.00	135.72	-120.32	280.61	405.63	381.40	24.23	16.744		
2,700.00	2,656.03	2,670.61	2,650.70	12.94	12.44	135.89	-122.38	293.64	422.03	396.90	25.13	16.793		
2,800.00	2,753.83	2,769.25	2,748.45	13.42	12.89	136.05	-124.45	306.68	438.43	412.39	26.04	16.837		
2,900.00	2,851.63	2,867.89	2,846.20	13.90	13.34	136.20	-126.51	319.72	454.83	427.88	26.95	16.877		
3,000.00	2,949.43	2,966.53	2,943.95	14.38	13.78	136.33	-128.58	332.75	471.23	443.37	27.86	16.913		
3,100.00	3,047.23	3,065.17	3,041.71	14.87	14.23	136.46	-130.64	345.79	487.64	458.87	28.78	16.946		
3,200.00	3,145.03	3,163.81	3,139.46	15.35	14.68	136.58	-132.70	358.83	504.05	474.36	29.69	16.975		
3,300.00	3,242.83	3,262.45	3,237.21	15.83	15.13	136.69	-134.77	371.86	520.46	489.85	30.61	17.003		
3,400.00	3,340.63	3,361.09	3,334.96	16.32	15.58	136.79	-136.83	384.90	536.88	505.35	31.53	17.028		
3,500.00	3,438.43	3,459.73	3,432.71	16.80	16.03	136.89	-138.90	397.94	553.29	520.84	32.45	17.051		
3,600.00	3,536.23	3,558.36	3,530.47	17.29	16.49	136.98	-140.96	410.97	569.71	536.34	33.37	17.072		
3,700.00	3,634.03	3,657.00	3,628.22	17.78	16.94	137.07	-143.03	424.01	586.13	551.83	34.29	17.091		
3,800.00	3,731.83	3,755.64	3,725.97	18.26	17.39	137.16	-145.09	437.05	602.55	567.33	35.22	17.109		
3,900.00	3,829.63	3,854.28	3,823.72	18.75	17.84	137.23	-147.16	450.08	618.97	582.83	36.14	17.126		
4,000.00	3,927.43	3,952.92	3,921.47	19.24	18.30	137.31	-149.22	463.12	635.39	598.32	37.07	17.141		
4,100.00	4,025.23	4,051.56	4,019.23	19.73	18.75	137.38	-151.29	476.16	651.81	613.82	37.99	17.155		
4,200.00	4,123.03	4,150.20	4,116.98	20.22	19.21	137.45	-153.35	489.19	668.24	629.32	38.92	17.169		
4,300.00	4,220.83	4,248.84	4,214.73	20.71	19.66	137.51	-155.42	502.23	684.66	644.81	39.85	17.181		
4,400.00	4,318.63	4,347.48	4,312.48	21.20	20.12	137.57	-157.48	515.27	701.09	660.31	40.78	17.193		
4,500.00	4,416.43	4,446.12	4,410.23	21.69	20.57	137.63	-159.55	528.30	717.51	675.81	41.71	17.204		
4,600.00	4,514.23	4,544.76	4,507.99	22.18	21.03	137.68	-161.61	541.34	733.94	691.30	42.64	17.214		
4,700.00	4,612.03	4,643.40	4,605.74	22.67	21.48	137.74	-163.68	554.38	750.37	706.80	43.57	17.223		
4,800.00	4,709.83	4,742.03	4,703.49	23.16	21.94	137.79	-165.74	567.41	766.80	722.30	44.50	17.232		
4,900.00	4,807.63	4,840.67	4,801.24	23.65	22.40	137.84	-167.81	580.45	783.22	737.80	45.43	17.241		
5,000.00	4,905.43	4,939.31	4,898.99	24.14	22.85	137.88	-169.87	593.49	799.65	753.29	46.36	17.249		
5,100.00	5,003.23	5,037.95	4,996.75	24.63	23.31	137.93	-171.94	606.52	816.08	768.79	47.29	17.256		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,136.59	5,094.50	25.12	23.77	137.97	-174.00	619.56	832.51	784.29	48.22	17.263		
5,300.00	5,198.83	5,235.23	5,192.25	25.62	24.22	138.01	-176.07	632.60	848.94	799.79	49.16	17.270		
5,400.00	5,296.63	5,333.87	5,290.00	26.11	24.68	138.05	-178.13	645.63	865.38	815.28	50.09	17.276		
5,500.00	5,394.43	5,432.51	5,387.75	26.60	25.14	138.09	-180.20	658.67	881.81	830.78	51.02	17.282		
5,600.00	5,492.23	5,531.15	5,485.51	27.09	25.60	138.13	-182.26	671.71	898.24	846.28	51.96	17.288		
5,700.00	5,590.03	5,629.79	5,583.26	27.58	26.05	138.16	-184.33	684.75	914.67	861.78	52.89	17.293		
5,800.00	5,687.83	5,728.43	5,681.01	28.08	26.51	138.20	-186.39	697.78	931.10	877.28	53.83	17.298		
5,900.00	5,785.63	5,827.07	5,778.76	28.57	26.97	138.23	-188.45	710.82	947.54	892.77	54.76	17.303		
6,000.00	5,883.43	5,925.70	5,876.52	29.06	27.43	138.26	-190.52	723.86	963.97	908.27	55.70	17.308		
6,100.00	5,981.23	6,024.34	5,974.27	29.56	27.89	138.29	-192.58	736.89	980.40	923.77	56.63	17.312		
6,200.00	6,079.04	6,122.98	6,072.02	30.05	28.34	138.32	-194.65	749.93	996.83	939.27	57.57	17.316		
6,300.00	6,176.84	6,221.62	6,169.77	30.54	28.80	138.35	-196.71	762.97	1,013.27	954.77	58.50	17.320		
6,409.71	6,284.13	6,325.09	6,272.34	31.08	29.28	138.40	-198.89	776.32	1,031.36	971.87	59.48	17.339		
6,450.00	6,323.71	6,357.23	6,304.39	31.28	29.42	153.22	-199.64	778.73	1,038.14	978.37	59.77	17.368		
6,500.00	6,373.15	6,397.05	6,344.18	31.50	29.58	-178.48	-200.65	779.48	1,046.47	986.37	60.10	17.412		
6,550.00	6,422.65	6,436.82	6,383.89	31.70	29.73	-146.67	-201.74	777.75	1,054.64	994.25	60.40	17.461		
6,600.00	6,471.92	6,476.57	6,423.39	31.89	29.87	-124.57	-202.93	773.54	1,062.63	1,001.94	60.69	17.510		
6,650.00	6,520.65	6,516.34	6,462.58	32.07	30.02	-111.68	-204.19	766.87	1,070.36	1,009.39	60.97	17.556		
6,700.00	6,568.54	6,556.18	6,501.32	32.25	30.16	-103.85	-205.54	757.76	1,077.81	1,016.55	61.26	17.595		
6,750.00	6,615.30	6,596.11	6,539.52	32.43	30.31	-98.72	-206.96	746.20	1,084.93	1,023.38	61.55	17.627		
6,800.00	6,660.63	6,636.18	6,577.03	32.61	30.46	-95.12	-208.45	732.23	1,091.69	1,029.83	61.86	17.649		
6,850.00	6,704.26	6,676.42	6,613.74	32.80	30.62	-92.50	-210.01	715.85	1,098.04	1,035.86	62.18	17.659		
6,900.00	6,745.92	6,716.86	6,649.52	33.00	30.78	-90.52	-211.63	697.08	1,103.97	1,041.44	62.53	17.655		
6,950.00	6,785.34	6,757.55	6,684.24	33.21	30.95	-89.01	-213.31	675.94	1,109.44	1,046.53	62.91	17.636		
7,000.00	6,822.30	6,798.51	6,717.76	33.44	31.12	-87.85	-215.05	652.46	1,114.43	1,051.11	63.33	17.598		
7,050.00	6,856.55	6,839.80	6,749.94	33.69	31.31	-86.97	-216.84	626.67	1,118.92	1,055.13	63.79	17.540		
7,100.00	6,887.90	6,881.44	6,780.63	33.97	31.52	-86.33	-218.67	598.60	1,122.90	1,058.58	64.32	17.459		
7,150.00	6,916.14	6,923.47	6,809.68	34.28	31.74	-85.88	-220.54	568.29	1,126.34	1,061.44	64.90	17.355		
7,200.00	6,941.10	6,965.94	6,836.93	34.62	31.98	-85.60	-222.45	535.78	1,129.24	1,063.69	65.56	17.226		
7,250.00	6,962.63	7,008.88	6,862.21	35.00	32.25	-85.48	-224.38	501.14	1,131.59	1,065.31	66.28	17.072		
7,300.00	6,980.59	7,052.33	6,885.36	35.43	32.54	-85.50	-226.34	464.44	1,133.39	1,066.30	67.09	16.894		
7,350.00	6,994.88	7,096.33	6,906.20	35.89	32.87	-85.66	-228.30	425.74	1,134.64	1,066.66	67.98	16.691		
7,400.00	7,005.41	7,140.93	6,924.53	36.39	33.24	-85.94	-230.27	385.14	1,135.33	1,066.39	68.95	16.467		
7,450.00	7,012.10	7,186.17	6,940.18	36.93	33.65	-86.34	-232.24	342.75	1,135.47	1,065.49	69.99	16.224		
7,500.00	7,014.93	7,232.08	6,952.94	37.50	34.09	-86.85	-234.20	298.70	1,135.08	1,063.98	71.10	15.965		
7,517.56	7,015.00	7,248.37	6,956.70	37.70	34.25	-87.06	-234.88	282.86	1,134.81	1,063.31	71.50	15.872		
7,600.00	7,014.21	7,326.91	6,969.08	38.74	35.11	-87.73	-238.05	205.42	1,133.61	1,060.11	73.50	15.423		
7,700.00	7,013.24	7,425.32	6,971.63	40.15	36.30	-87.90	-241.74	107.18	1,132.45	1,056.30	76.15	14.871		
7,800.00	7,012.28	7,525.32	6,970.31	41.71	37.66	-87.88	-245.38	7.26	1,131.34	1,052.26	79.08	14.305		
7,900.00	7,011.31	7,625.31	6,969.00	43.40	39.18	-87.86	-249.02	-92.66	1,130.23	1,047.92	82.31	13.732		
8,000.00	7,010.35	7,725.30	6,967.69	45.21	40.84	-87.84	-252.67	-192.58	1,129.12	1,043.33	85.78	13.162		
8,100.00	7,009.38	7,825.30	6,966.37	47.12	42.62	-87.82	-256.31	-292.49	1,128.01	1,038.52	89.49	12.605		
8,200.00	7,008.42	7,925.29	6,965.06	49.12	44.52	-87.80	-259.96	-392.41	1,126.89	1,033.51	93.39	12.067		
8,300.00	7,007.45	8,025.28	6,963.74	51.21	46.51	-87.78	-263.60	-492.33	1,125.78	1,028.32	97.46	11.551		
8,400.00	7,006.49	8,125.28	6,962.43	53.36	48.59	-87.76	-267.25	-592.25	1,124.67	1,022.98	101.69	11.059		
8,500.00	7,005.52	8,225.27	6,961.11	55.57	50.74	-87.74	-270.89	-692.17	1,123.56	1,017.50	106.06	10.594		
8,600.00	7,004.56	8,325.26	6,959.80	57.84	52.96	-87.72	-274.54	-792.08	1,122.45	1,011.91	110.54	10.154		
8,700.00	7,003.59	8,425.25	6,958.48	60.16	55.24	-87.70	-278.18	-892.00	1,121.34	1,006.20	115.13	9.739		
8,800.00	7,002.63	8,525.25	6,957.17	62.52	57.56	-87.68	-281.83	-991.92	1,120.23	1,000.41	119.82	9.350		
8,900.00	7,001.66	8,625.24	6,955.85	64.92	59.93	-87.66	-285.47	-1,091.84	1,119.12	994.54	124.58	8.983		
9,000.00	7,000.70	8,725.23	6,954.54	67.35	62.34	-87.64	-289.12	-1,191.76	1,118.01	988.59	129.42	8.639		
9,100.00	6,999.73	8,825.23	6,953.23	69.81	64.79	-87.62	-292.76	-1,291.67	1,116.90	982.57	134.32	8.315		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	8,925.22	6,951.91	72.31	67.26	-87.60	-296.41	-1,391.59	1,115.79	976.50	139.28	8.011		
9,300.00	6,997.80	9,025.21	6,950.60	74.82	69.77	-87.58	-300.05	-1,491.51	1,114.68	970.38	144.30	7.725		
9,400.00	6,996.84	9,125.21	6,949.28	77.36	72.29	-87.56	-303.70	-1,591.43	1,113.57	964.21	149.36	7.456		
9,500.00	6,995.88	9,225.20	6,947.97	79.92	74.85	-87.54	-307.34	-1,691.35	1,112.46	957.99	154.46	7.202		
9,600.00	6,994.91	9,325.19	6,946.65	82.49	77.42	-87.52	-310.99	-1,791.26	1,111.35	951.74	159.60	6.963		
9,700.00	6,993.95	9,425.18	6,945.34	85.09	80.01	-87.50	-314.63	-1,891.18	1,110.24	945.46	164.78	6.738		
9,800.00	6,992.98	9,525.18	6,944.02	87.70	82.61	-87.48	-318.27	-1,991.10	1,109.13	939.14	169.99	6.525		
9,900.00	6,992.02	9,625.17	6,942.71	90.32	85.24	-87.46	-321.92	-2,091.02	1,108.02	932.80	175.22	6.323		
10,000.00	6,991.05	9,725.16	6,941.39	92.95	87.87	-87.43	-325.56	-2,190.94	1,106.91	926.43	180.49	6.133		
10,100.00	6,990.09	9,825.16	6,940.08	95.60	90.52	-87.41	-329.21	-2,290.85	1,105.80	920.03	185.77	5.952		
10,200.00	6,989.12	9,925.15	6,938.77	98.26	93.18	-87.39	-332.85	-2,390.77	1,104.69	913.61	191.08	5.781		
10,300.00	6,988.16	10,025.14	6,937.45	100.92	95.85	-87.37	-336.50	-2,490.69	1,103.59	907.18	196.41	5.619		
10,400.00	6,987.19	10,125.14	6,936.14	103.60	98.53	-87.35	-340.14	-2,590.61	1,102.48	900.72	201.75	5.464		
10,500.00	6,986.23	10,225.13	6,934.82	106.28	101.22	-87.33	-343.79	-2,690.53	1,101.37	894.25	207.12	5.318		
10,600.00	6,985.26	10,325.12	6,933.51	108.98	103.91	-87.31	-347.43	-2,790.44	1,100.26	887.76	212.50	5.178		
10,700.00	6,984.30	10,425.12	6,932.19	111.68	106.62	-87.29	-351.08	-2,890.36	1,099.15	881.26	217.89	5.045		
10,800.00	6,983.33	10,525.11	6,930.88	114.38	109.33	-87.27	-354.72	-2,990.28	1,098.05	874.75	223.30	4.917		
10,900.00	6,982.37	10,625.10	6,929.56	117.09	112.04	-87.25	-358.37	-3,090.20	1,096.94	868.22	228.72	4.796		
11,000.00	6,981.40	10,725.09	6,928.25	119.81	114.77	-87.23	-362.01	-3,190.11	1,095.83	861.68	234.15	4.680		
11,100.00	6,980.44	10,825.09	6,926.93	122.54	117.50	-87.20	-365.66	-3,290.03	1,094.72	855.13	239.59	4.569		
11,200.00	6,979.47	10,925.08	6,925.62	125.26	120.23	-87.18	-369.30	-3,389.95	1,093.62	848.58	245.04	4.463		
11,300.00	6,978.51	11,025.07	6,924.31	128.00	122.97	-87.16	-372.95	-3,489.87	1,092.51	842.01	250.50	4.361		
11,400.00	6,977.54	11,125.07	6,922.99	130.73	125.71	-87.14	-376.59	-3,589.79	1,091.40	835.43	255.97	4.264		
11,500.00	6,976.58	11,225.06	6,921.68	133.48	128.46	-87.12	-380.24	-3,689.70	1,090.29	828.85	261.45	4.170		
11,600.00	6,975.62	11,325.05	6,920.36	136.22	131.21	-87.10	-383.88	-3,789.62	1,089.19	822.25	266.93	4.080		
11,700.00	6,974.65	11,425.05	6,919.05	138.97	133.97	-87.08	-387.52	-3,889.54	1,088.08	815.65	272.43	3.994		
11,800.00	6,973.69	11,525.04	6,917.73	141.73	136.73	-87.06	-391.17	-3,989.46	1,086.98	809.05	277.93	3.911		
11,900.00	6,972.72	11,625.03	6,916.42	144.48	139.49	-87.03	-394.81	-4,089.38	1,085.87	802.44	283.43	3.831		
12,000.00	6,971.76	11,725.02	6,915.10	147.24	142.26	-87.01	-398.46	-4,189.29	1,084.76	795.82	288.94	3.754		
12,100.00	6,970.79	11,825.02	6,913.79	150.00	145.02	-86.99	-402.10	-4,289.21	1,083.66	789.20	294.46	3.680		
12,200.00	6,969.83	11,925.01	6,912.47	152.77	147.80	-86.97	-405.75	-4,389.13	1,082.55	782.57	299.98	3.609		
12,300.00	6,968.86	12,025.00	6,911.16	155.54	150.57	-86.95	-409.39	-4,489.05	1,081.45	775.93	305.51	3.540		
12,400.00	6,967.90	12,125.00	6,909.85	158.31	153.35	-86.93	-413.04	-4,588.97	1,080.34	769.30	311.04	3.473		
12,500.00	6,966.93	12,224.99	6,908.53	161.08	156.13	-86.90	-416.68	-4,688.88	1,079.24	762.66	316.58	3.409		
12,600.00	6,965.97	12,324.98	6,907.22	163.85	158.91	-86.88	-420.33	-4,788.80	1,078.13	756.01	322.12	3.347		
12,700.00	6,965.00	12,424.98	6,905.90	166.63	161.69	-86.86	-423.97	-4,888.72	1,077.03	749.36	327.67	3.287		
12,800.00	6,964.04	12,524.97	6,904.59	169.41	164.47	-86.84	-427.62	-4,988.64	1,075.92	742.71	333.21	3.229		
12,900.00	6,963.07	12,624.96	6,903.27	172.19	167.26	-86.82	-431.26	-5,088.56	1,074.82	736.05	338.77	3.173		
13,000.00	6,962.11	12,724.96	6,901.96	174.97	170.05	-86.79	-434.91	-5,188.47	1,073.71	729.39	344.32	3.118		
13,100.00	6,961.14	12,824.95	6,900.64	177.76	172.84	-86.77	-438.55	-5,288.39	1,072.61	722.73	349.88	3.066		
13,200.00	6,960.18	12,924.94	6,899.33	180.54	175.63	-86.75	-442.20	-5,388.31	1,071.50	716.06	355.44	3.015		
13,300.00	6,959.21	13,024.93	6,898.01	183.33	178.43	-86.73	-445.84	-5,488.23	1,070.40	709.39	361.01	2.965		
13,400.00	6,958.25	13,124.93	6,896.70	186.12	181.22	-86.71	-449.49	-5,588.15	1,069.30	702.72	366.57	2.917		
13,500.00	6,957.28	13,224.92	6,895.39	188.91	184.02	-86.68	-453.13	-5,688.06	1,068.19	696.05	372.14	2.870		
13,600.00	6,956.32	13,324.91	6,894.07	191.70	186.82	-86.66	-456.77	-5,787.98	1,067.09	689.38	377.71	2.825		
13,700.00	6,955.35	13,424.91	6,892.76	194.49	189.62	-86.64	-460.42	-5,887.90	1,065.99	682.70	383.29	2.781		
13,800.00	6,954.39	13,524.90	6,891.44	197.29	192.42	-86.62	-464.06	-5,987.82	1,064.88	676.02	388.86	2.738		
13,900.00	6,953.43	13,624.89	6,890.13	200.08	195.22	-86.59	-467.71	-6,087.74	1,063.78	669.34	394.44	2.697		
14,000.00	6,952.46	13,724.89	6,888.81	202.88	198.02	-86.57	-471.35	-6,187.65	1,062.68	662.65	400.02	2.657		
14,100.00	6,951.50	13,824.88	6,887.50	205.68	200.83	-86.55	-475.00	-6,287.57	1,061.57	655.97	405.61	2.617		
14,200.00	6,950.53	13,924.87	6,886.18	208.48	203.63	-86.53	-478.64	-6,387.49	1,060.47	649.28	411.19	2.579		
14,300.00	6,949.57	14,024.87	6,884.87	211.28	206.44	-86.50	-482.29	-6,487.41	1,059.37	642.59	416.78	2.542		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 13N-6B-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,400.00	6,948.60	14,124.86	6,883.55	214.08	209.24	-86.48	-485.93	-6,587.33	1,058.27	635.90	422.36	2.506	
14,500.00	6,947.64	14,224.85	6,882.24	216.88	212.05	-86.46	-489.58	-6,687.24	1,057.17	629.21	427.95	2.470	
14,600.00	6,946.67	14,324.84	6,880.92	219.68	214.86	-86.44	-493.22	-6,787.16	1,056.06	622.52	433.54	2.436	
14,700.00	6,945.71	14,424.84	6,879.61	222.49	217.67	-86.41	-496.87	-6,887.08	1,054.96	615.83	439.13	2.402	
14,800.00	6,944.74	14,524.83	6,878.30	225.29	220.48	-86.39	-500.51	-6,987.00	1,053.86	609.13	444.73	2.370	
14,900.00	6,943.78	14,624.82	6,876.98	228.10	223.29	-86.37	-504.16	-7,086.92	1,052.76	602.44	450.32	2.338	
15,000.00	6,942.81	14,724.82	6,875.67	230.90	226.10	-86.35	-507.80	-7,186.83	1,051.66	595.74	455.92	2.307	
15,100.00	6,941.85	14,824.81	6,874.35	233.71	228.92	-86.32	-511.45	-7,286.75	1,050.56	589.04	461.51	2.276	
15,200.00	6,940.88	14,924.80	6,873.04	236.52	231.73	-86.30	-515.09	-7,386.67	1,049.46	582.34	467.11	2.247	
15,300.00	6,939.92	15,024.80	6,871.72	239.32	234.54	-86.28	-518.74	-7,486.59	1,048.36	575.65	472.71	2.218	
15,400.00	6,938.95	15,124.79	6,870.41	242.13	237.36	-86.25	-522.38	-7,586.51	1,047.25	568.95	478.31	2.189	
15,500.00	6,937.99	15,224.78	6,869.09	244.94	240.18	-86.23	-526.02	-7,686.42	1,046.15	562.24	483.91	2.162	
15,600.00	6,937.02	15,324.77	6,867.78	247.75	242.99	-86.21	-529.67	-7,786.34	1,045.05	555.54	489.51	2.135	
15,706.13	6,936.00	15,430.89	6,866.38	250.74	245.98	-86.18	-533.54	-7,892.38	1,043.89	548.43	495.46	2.107 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	7.08	44.80	5.57	45.15					
100.00	100.00	100.00	100.00	3.28	3.28	7.08	44.80	5.57	45.15	38.58	6.57	6.873		
200.00	200.00	200.00	200.00	3.34	3.34	7.08	44.80	5.57	45.15	38.48	6.67	6.765		
300.00	300.00	300.00	300.00	3.44	3.44	7.08	44.80	5.57	45.15	38.26	6.89	6.553 CC, ES		
400.00	399.98	398.46	398.44	3.60	3.60	-41.71	46.49	5.45	45.52	38.31	7.21	6.312		
500.00	499.84	496.78	496.63	3.81	3.80	-46.87	51.54	5.10	46.90	39.26	7.63	6.143		
600.00	599.45	594.85	594.33	4.05	4.04	-54.69	59.93	4.52	49.98	41.84	8.14	6.141		
700.00	698.70	692.54	691.31	4.33	4.31	-63.85	71.59	3.71	55.65	46.95	8.70	6.394		
800.00	797.47	790.03	787.65	4.64	4.61	-72.93	86.47	2.68	64.59	55.28	9.31	6.938		
902.00	897.58	909.21	887.03	4.98	5.00	-82.03	103.07	1.53	75.54	65.53	10.01	7.544		
1,000.00	993.42	987.45	982.36	5.33	5.27	-89.77	118.98	0.43	87.45	76.83	10.62	8.236		
1,100.00	1,091.22	1,086.08	1,079.64	5.71	5.63	-95.70	135.22	-0.69	100.83	89.49	11.34	8.893		
1,200.00	1,189.02	1,184.70	1,176.91	6.11	6.00	-100.21	151.46	-1.82	115.03	102.94	12.09	9.513		
1,300.00	1,286.82	1,283.33	1,274.19	6.53	6.39	-103.72	167.70	-2.94	129.78	116.90	12.87	10.083		
1,400.00	1,384.62	1,381.96	1,371.46	6.95	6.78	-106.51	183.94	-4.06	144.90	131.23	13.67	10.600		
1,500.00	1,482.42	1,480.59	1,468.74	7.38	7.19	-108.77	200.18	-5.19	160.30	145.82	14.49	11.065		
1,600.00	1,580.22	1,579.21	1,566.01	7.83	7.60	-110.64	216.42	-6.31	175.91	160.59	15.32	11.482		
1,700.00	1,678.03	1,677.84	1,663.29	8.27	8.01	-112.20	232.66	-7.44	191.66	175.50	16.16	11.857		
1,800.00	1,775.83	1,776.47	1,760.56	8.72	8.44	-113.52	248.90	-8.56	207.54	190.52	17.02	12.194		
1,900.00	1,873.63	1,875.10	1,857.84	9.18	8.86	-114.65	265.13	-9.68	223.50	205.62	17.88	12.498		
2,000.00	1,971.43	1,973.72	1,955.11	9.64	9.29	-115.63	281.37	-10.81	239.54	220.79	18.75	12.773		
2,100.00	2,069.23	2,072.35	2,052.39	10.11	9.72	-116.49	297.61	-11.93	255.64	236.01	19.63	13.022		
2,200.00	2,167.03	2,170.98	2,149.66	10.57	10.16	-117.25	313.85	-13.06	271.79	251.27	20.51	13.249		
2,300.00	2,264.83	2,269.61	2,246.94	11.04	10.59	-117.92	330.09	-14.18	287.98	266.58	21.40	13.456		
2,400.00	2,362.63	2,368.23	2,344.21	11.52	11.03	-118.52	346.33	-15.31	304.20	281.91	22.29	13.645		
2,500.00	2,460.43	2,466.86	2,441.49	11.99	11.47	-119.06	362.57	-16.43	320.46	297.27	23.19	13.819		
2,600.00	2,558.23	2,565.49	2,538.76	12.47	11.92	-119.55	378.81	-17.55	336.74	312.65	24.09	13.979		
2,700.00	2,656.03	2,664.12	2,636.03	12.94	12.36	-120.00	395.05	-18.68	353.04	328.04	24.99	14.126		
2,800.00	2,753.83	2,762.74	2,733.31	13.42	12.81	-120.40	411.29	-19.80	369.36	343.46	25.90	14.263		
2,900.00	2,851.63	2,861.37	2,830.58	13.90	13.25	-120.77	427.53	-20.93	385.69	358.89	26.80	14.389		
3,000.00	2,949.43	2,960.00	2,927.86	14.38	13.70	-121.11	443.77	-22.05	402.04	374.33	27.71	14.507		
3,100.00	3,047.23	3,058.63	3,025.13	14.87	14.15	-121.42	460.01	-23.18	418.40	389.78	28.63	14.616		
3,200.00	3,145.03	3,157.25	3,122.41	15.35	14.60	-121.71	476.25	-24.30	434.78	405.24	29.54	14.719		
3,300.00	3,242.83	3,255.88	3,219.68	15.83	15.05	-121.98	492.49	-25.42	451.16	420.71	30.45	14.814		
3,400.00	3,340.63	3,354.51	3,316.96	16.32	15.50	-122.23	508.73	-26.55	467.56	436.18	31.37	14.904		
3,500.00	3,438.43	3,453.14	3,414.23	16.80	15.95	-122.46	524.96	-27.67	483.96	451.67	32.29	14.988		
3,600.00	3,536.23	3,551.76	3,511.51	17.29	16.40	-122.68	541.20	-28.80	500.36	467.16	33.21	15.068		
3,700.00	3,634.03	3,650.39	3,608.78	17.78	16.86	-122.88	557.44	-29.92	516.78	482.65	34.13	15.142		
3,800.00	3,731.83	3,749.02	3,706.06	18.26	17.31	-123.07	573.68	-31.04	533.20	498.15	35.05	15.213		
3,900.00	3,829.63	3,847.65	3,803.33	18.75	17.76	-123.25	589.92	-32.17	549.63	513.65	35.97	15.279		
4,000.00	3,927.43	3,946.27	3,900.61	19.24	18.22	-123.42	606.16	-33.29	566.06	529.16	36.89	15.342		
4,100.00	4,025.23	4,044.90	3,997.88	19.73	18.67	-123.58	622.40	-34.42	582.49	544.67	37.82	15.402		
4,200.00	4,123.03	4,143.53	4,095.16	20.22	19.13	-123.73	638.64	-35.54	598.93	560.19	38.74	15.459		
4,300.00	4,220.83	4,242.16	4,192.43	20.71	19.58	-123.88	654.88	-36.67	615.38	575.71	39.67	15.513		
4,400.00	4,318.63	4,340.78	4,289.71	21.20	20.04	-124.01	671.12	-37.79	631.82	591.23	40.60	15.564		
4,500.00	4,416.43	4,439.41	4,386.98	21.69	20.49	-124.14	687.36	-38.91	648.27	606.75	41.52	15.613		
4,600.00	4,514.23	4,538.04	4,484.26	22.18	20.95	-124.26	703.60	-40.04	664.73	622.28	42.45	15.659		
4,700.00	4,612.03	4,636.67	4,581.53	22.67	21.40	-124.38	719.84	-41.16	681.18	637.81	43.38	15.704		
4,800.00	4,709.83	4,735.29	4,678.81	23.16	21.86	-124.49	736.08	-42.29	697.64	653.34	44.31	15.746		
4,900.00	4,807.63	4,833.92	4,776.08	23.65	22.32	-124.60	752.32	-43.41	714.10	668.87	45.24	15.786		
5,000.00	4,905.43	4,932.55	4,873.36	24.14	22.78	-124.70	768.55	-44.53	730.57	684.40	46.16	15.825		
5,100.00	5,003.23	5,031.17	4,970.63	24.63	23.23	-124.79	784.79	-45.66	747.03	699.94	47.09	15.862		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,129.80	5,067.91	25.12	23.69	-124.89	801.03	-46.78	763.50	715.48	48.02	15.898		
5,300.00	5,198.83	5,228.43	5,165.18	25.62	24.15	-124.97	817.27	-47.91	779.97	731.02	48.96	15.932		
5,400.00	5,296.63	5,327.06	5,262.46	26.11	24.61	-125.06	833.51	-49.03	796.44	746.56	49.89	15.965		
5,500.00	5,394.43	5,425.68	5,359.73	26.60	25.06	-125.14	849.75	-50.16	812.92	762.10	50.82	15.997		
5,600.00	5,492.23	5,524.31	5,457.00	27.09	25.52	-125.22	865.99	-51.28	829.39	777.64	51.75	16.027		
5,700.00	5,590.03	5,622.94	5,554.28	27.58	25.98	-125.29	882.23	-52.40	845.87	793.18	52.68	16.056		
5,800.00	5,687.83	5,721.57	5,651.55	28.08	26.44	-125.37	898.47	-53.53	862.34	808.73	53.61	16.084		
5,900.00	5,785.63	5,820.19	5,748.83	28.57	26.90	-125.44	914.71	-54.65	878.82	824.28	54.55	16.111		
6,000.00	5,883.43	5,918.82	5,846.10	29.06	27.36	-125.50	930.95	-55.78	895.30	839.82	55.48	16.138		
6,100.00	5,981.23	6,017.28	5,932.67	29.56	27.86	-83.87	1,097.79	829.00	908.02	887.58	20.43	44.439		
6,200.00	6,079.04	6,115.60	6,032.84	30.05	28.36	-80.67	1,097.86	845.32	911.80	898.86	21.94	36.998		
6,300.00	6,176.84	6,213.42	6,133.01	30.54	28.86	-77.21	1,097.93	861.64	916.25	902.39	23.86	30.019		
6,409.71	6,284.13	6,321.23	6,233.20	31.08	29.40	-73.11	1,098.00	879.55	921.56	908.89	26.67	22.970		
6,450.00	6,323.71	6,360.81	6,273.25	31.28	29.69	-48.27	1,098.02	884.86	924.74	911.99	27.95	20.561		
6,500.00	6,373.15	6,410.25	6,323.28	31.50	29.94	-8.12	1,098.04	887.93	927.99	915.20	29.79	17.726		
6,550.00	6,422.65	6,460.25	6,333.27	31.70	30.19	33.45	1,098.03	887.08	931.86	919.69	32.17	14.977		
6,600.00	6,471.92	6,510.25	6,423.22	31.89	30.44	62.61	1,098.01	882.32	936.85	924.32	34.53	12.653		
6,650.00	6,520.65	6,559.25	6,433.14	32.07	30.69	79.99	1,097.98	873.67	941.53	929.91	37.61	10.463		
6,700.00	6,568.54	6,607.25	6,483.01	32.25	30.94	90.14	1,097.93	861.19	946.55	934.24	41.30	8.536		
6,750.00	6,615.30	6,654.23	6,532.84	32.43	31.19	95.78	1,097.86	844.95	951.67	939.02	45.66	6.892		
6,800.00	6,660.63	6,700.25	6,583.63	32.61	31.44	98.28	1,097.78	825.06	956.81	944.16	50.65	5.544		
6,850.00	6,704.26	6,744.25	6,633.39	32.80	31.69	98.38	1,097.68	801.64	961.95	949.89	56.07	4.494		
6,900.00	6,745.92	6,786.10	6,683.12	33.00	31.94	96.46	1,097.57	774.83	967.16	955.71	61.46	3.729		
6,950.00	6,785.34	6,826.34	6,733.81	33.21	32.19	92.82	1,097.45	744.79	972.29	960.86	66.03	3.230		
7,000.00	6,822.30	6,863.49	6,781.47	33.44	32.44	87.76	1,097.31	711.72	977.48	966.09	69.00	2.967		
7,039.24	6,849.42	6,890.61	6,831.18	33.64	32.69	83.05	1,097.20	683.77	982.75	971.82	69.93	2.899		
7,050.00	6,856.55	6,897.74	6,831.10	33.69	32.74	81.68	1,097.16	675.81	983.88	972.90	69.98	2.899 SF		
7,100.00	6,887.90	6,929.25	6,830.70	33.97	33.02	75.11	1,097.00	637.30	988.66	977.47	69.20	2.987		
7,150.00	6,916.14	6,957.33	6,830.28	34.28	33.33	68.61	1,096.84	596.40	993.38	982.09	67.28	3.186		
7,200.00	6,941.10	6,982.29	6,829.68	34.62	33.67	62.82	1,096.64	555.18	998.41	987.48	64.94	3.456		
7,250.00	6,962.63	7,003.79	6,827.29	35.00	34.03	57.83	1,096.15	517.02	1,003.44	992.75	62.49	3.780		
7,300.00	6,980.59	7,021.76	6,822.76	35.43	34.46	53.28	1,095.30	479.88	1,008.24	987.29	60.14	4.147		
7,350.00	6,994.88	7,036.06	6,816.24	35.89	34.92	49.18	1,094.13	443.78	1,013.53	981.45	58.08	4.537		
7,400.00	7,005.41	7,046.59	6,807.84	36.39	35.42	45.51	1,092.64	408.74	1,018.10	975.70	56.40	4.931		
7,450.00	7,012.10	7,053.28	6,797.67	36.93	35.96	42.25	1,090.86	374.77	1,022.83	970.68	55.15	5.310		
7,500.00	7,014.93	7,056.11	6,785.83	37.50	36.53	39.35	1,088.81	341.88	1,027.45	965.12	54.33	5.659		
7,517.56	7,015.00	7,056.18	6,781.29	37.70	36.73	38.40	1,088.02	330.60	1,027.51	965.37	54.13	5.773		
7,600.00	7,014.21	7,055.39	6,758.19	38.74	37.77	35.63	1,084.05	280.85	1,032.18	959.69	53.49	6.341		
7,700.00	7,013.24	7,054.44	6,727.84	40.15	39.18	32.33	1,078.85	228.43	1,037.50	954.31	53.18	7.136		
7,800.00	7,012.28	7,053.48	6,696.67	41.71	40.74	29.32	1,073.54	184.29	1,042.08	948.65	53.43	8.011		
7,900.00	7,011.31	7,052.51	6,666.03	43.40	42.43	26.70	1,068.34	147.56	1,046.06	942.96	54.11	8.946		
8,000.00	7,010.35	7,051.54	6,636.79	45.21	44.24	24.46	1,063.38	117.17	1,049.43	937.42	55.01	9.933		
8,100.00	7,009.38	7,050.57	6,609.40	47.12	46.17	22.58	1,058.75	92.07	1,051.19	931.82	55.99	10.969		
8,200.00	7,008.42	7,049.61	6,587.14	49.12	48.19	21.19	1,054.99	73.72	1,053.48	926.35	57.13	12.017		
8,300.00	7,007.45	7,048.64	6,560.79	51.21	50.28	19.67	1,050.54	54.08	1,052.46	920.61	57.84	13.181		
8,400.00	7,006.49	7,047.68	6,547.04	53.36	52.43	18.93	1,048.22	44.66	1,050.68	914.74	58.93	14.282		
8,500.00	7,005.52	7,046.71	6,520.09	55.57	54.64	17.58	1,043.68	27.68	1,047.27	908.91	59.36	15.554		
8,600.00	7,004.56	7,045.75	6,504.81	57.84	56.91	16.86	1,041.11	18.88	1,045.16	903.13	60.03	16.778		
8,700.00	7,003.59	7,044.78	6,486.21	60.16	59.23	16.03	1,037.98	8.92	1,042.86	1,037.36	60.49	18.066		
8,800.00	7,002.63	7,043.82	6,460.71	62.52	61.59	14.98	1,033.69	-3.46	1,180.29	1,119.56	60.73	19.435		
8,900.00	7,001.66	7,042.85	6,460.71	64.92	64.00	14.98	1,033.69	-3.46	1,268.72	1,207.32	61.40	20.664		
9,000.00	7,000.70	7,041.89	6,445.53	67.35	66.42	14.38	1,031.14	-10.17	1,358.43	1,296.74	61.69	22.020		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,520.73	6,434.14	69.81	30.07	13.95	1,029.23	-14.89	1,449.14	1,387.15	61.99	23.376		
9,200.00	6,998.77	6,500.00	6,415.02	72.31	29.99	13.27	1,026.02	-22.23	1,540.79	1,478.64	62.15	24.792		
9,300.00	6,997.80	6,500.00	6,415.02	74.82	29.99	13.27	1,026.02	-22.23	1,633.00	1,570.51	62.49	26.130		
9,400.00	6,996.84	6,500.00	6,415.02	77.36	29.99	13.27	1,026.02	-22.23	1,726.08	1,663.29	62.78	27.493		
9,500.00	6,995.88	6,480.35	6,396.69	79.92	29.91	12.64	1,022.95	-28.59	1,819.48	1,756.62	62.86	28.943		
9,600.00	6,994.91	6,472.14	6,388.97	82.49	29.88	12.39	1,021.65	-31.09	1,913.52	1,850.50	63.02	30.362		
9,700.00	6,993.95	6,450.00	6,368.01	85.09	29.79	11.72	1,018.14	-37.30	2,008.23	1,945.16	63.07	31.843		
9,800.00	6,992.98	6,450.00	6,368.01	87.70	29.79	11.72	1,018.14	-37.30	2,102.96	2,039.72	63.25	33.249		
9,900.00	6,992.02	6,450.00	6,368.01	90.32	29.79	11.72	1,018.14	-37.30	2,198.17	2,134.76	63.41	34.667		
10,000.00	6,991.05	6,450.00	6,368.01	92.95	29.79	11.72	1,018.14	-37.30	2,293.78	2,230.23	63.55	36.095		
10,100.00	6,990.09	6,450.00	6,368.01	95.60	29.79	11.72	1,018.14	-37.30	2,389.75	2,326.07	63.67	37.533		
10,200.00	6,989.12	6,450.00	6,368.01	98.26	29.79	11.72	1,018.14	-37.30	2,486.03	2,422.25	63.78	38.977		
10,300.00	6,988.16	6,428.39	6,347.36	100.92	29.70	11.11	1,014.68	-42.64	2,582.15	2,518.36	63.79	40.479		
10,400.00	6,987.19	6,423.60	6,342.77	103.60	29.68	10.97	1,013.91	-43.73	2,678.75	2,614.88	63.87	41.943		
10,500.00	6,986.23	6,400.00	6,319.99	106.28	29.58	10.33	1,010.09	-48.58	2,775.90	2,712.04	63.87	43.463		
10,600.00	6,985.26	6,400.00	6,319.99	108.98	29.58	10.33	1,010.09	-48.58	2,872.75	2,808.79	63.96	44.917		
10,700.00	6,984.30	6,400.00	6,319.99	111.68	29.58	10.33	1,010.09	-48.58	2,969.80	2,905.77	64.04	46.375		
10,800.00	6,983.33	6,400.00	6,319.99	114.38	29.58	10.33	1,010.09	-48.58	3,067.05	3,002.93	64.12	47.836		
10,900.00	6,982.37	6,400.00	6,319.99	117.09	29.58	10.33	1,010.09	-48.58	3,164.47	3,100.28	64.19	49.300		
11,000.00	6,981.40	6,400.00	6,319.99	119.81	29.58	10.33	1,010.09	-48.58	3,262.04	3,197.78	64.26	50.766		
11,100.00	6,980.44	6,400.00	6,319.99	122.54	29.58	10.33	1,010.09	-48.58	3,359.75	3,295.43	64.32	52.234		
11,200.00	6,979.47	6,400.00	6,319.99	125.26	29.58	10.33	1,010.09	-48.58	3,457.60	3,393.22	64.38	53.703		
11,300.00	6,978.51	6,400.00	6,319.99	128.00	29.58	10.33	1,010.09	-48.58	3,555.57	3,491.12	64.44	55.173		
11,400.00	6,977.54	6,400.00	6,319.99	130.73	29.58	10.33	1,010.09	-48.58	3,653.64	3,589.14	64.50	56.643		
11,500.00	6,976.58	6,400.00	6,319.99	133.48	29.58	10.33	1,010.09	-48.58	3,751.82	3,687.26	64.56	58.114		
11,600.00	6,975.62	6,400.00	6,319.99	136.22	29.58	10.33	1,010.09	-48.58	3,850.09	3,785.48	64.61	59.585		
11,700.00	6,974.65	6,400.00	6,319.99	138.97	29.58	10.33	1,010.09	-48.58	3,948.45	3,883.78	64.67	61.056		
11,800.00	6,973.69	6,377.62	6,298.24	141.73	29.48	9.76	1,006.45	-52.39	4,046.43	3,981.76	64.68	62.563		
11,900.00	6,972.72	6,375.35	6,296.03	144.48	29.47	9.70	1,006.08	-52.73	4,144.85	4,080.13	64.73	64.035		
12,000.00	6,971.76	6,373.18	6,293.90	147.24	29.46	9.65	1,005.72	-53.05	4,243.34	4,178.56	64.78	65.506		
12,100.00	6,970.79	6,350.00	6,271.23	150.00	29.36	9.08	1,001.93	-56.01	4,342.28	4,277.49	64.79	67.022		
12,200.00	6,969.83	6,350.00	6,271.23	152.77	29.36	9.08	1,001.93	-56.01	4,440.81	4,375.97	64.84	68.484		
12,300.00	6,968.86	6,350.00	6,271.23	155.54	29.36	9.08	1,001.93	-56.01	4,539.40	4,474.51	64.90	69.945		
12,400.00	6,967.90	6,350.00	6,271.23	158.31	29.36	9.08	1,001.93	-56.01	4,638.06	4,573.10	64.95	71.405		
12,500.00	6,966.93	6,350.00	6,271.23	161.08	29.36	9.08	1,001.93	-56.01	4,736.77	4,671.76	65.01	72.863		
12,600.00	6,965.97	6,350.00	6,271.23	163.85	29.36	9.08	1,001.93	-56.01	4,835.53	4,770.47	65.06	74.319		
12,700.00	6,965.00	6,350.00	6,271.23	166.63	29.36	9.08	1,001.93	-56.01	4,934.35	4,869.23	65.12	75.773		
12,800.00	6,964.04	6,350.00	6,271.23	169.41	29.36	9.08	1,001.93	-56.01	5,033.21	4,968.03	65.18	77.226		
12,900.00	6,963.07	6,350.00	6,271.23	172.19	29.36	9.08	1,001.93	-56.01	5,132.11	5,066.88	65.23	78.676		
13,000.00	6,962.11	6,350.00	6,271.23	174.97	29.36	9.08	1,001.93	-56.01	5,231.06	5,165.77	65.29	80.124		
13,100.00	6,961.14	6,350.00	6,271.23	177.76	29.36	9.08	1,001.93	-56.01	5,330.04	5,264.70	65.34	81.569		
13,200.00	6,960.18	6,350.00	6,271.23	180.54	29.36	9.08	1,001.93	-56.01	5,429.07	5,363.66	65.40	83.012		
13,300.00	6,959.21	6,350.00	6,271.23	183.33	29.36	9.08	1,001.93	-56.01	5,528.12	5,462.66	65.46	84.453		
13,400.00	6,958.25	6,350.00	6,271.23	186.12	29.36	9.08	1,001.93	-56.01	5,627.21	5,561.70	65.52	85.890		
13,500.00	6,957.28	6,350.00	6,271.23	188.91	29.36	9.08	1,001.93	-56.01	5,726.34	5,660.76	65.57	87.325		
13,600.00	6,956.32	6,350.00	6,271.23	191.70	29.36	9.08	1,001.93	-56.01	5,825.49	5,759.86	65.63	88.757		
13,700.00	6,955.35	6,350.00	6,271.23	194.49	29.36	9.08	1,001.93	-56.01	5,924.67	5,858.98	65.69	90.186		
13,800.00	6,954.39	6,350.00	6,271.23	197.29	29.36	9.08	1,001.93	-56.01	6,023.88	5,958.12	65.75	91.612		
13,900.00	6,953.43	6,350.00	6,271.23	200.08	29.36	9.08	1,001.93	-56.01	6,123.11	6,057.30	65.82	93.035		
14,000.00	6,952.46	6,350.00	6,271.23	202.88	29.36	9.08	1,001.93	-56.01	6,222.37	6,156.49	65.88	94.455		
14,100.00	6,951.50	6,350.00	6,271.23	205.68	29.36	9.08	1,001.93	-56.01	6,321.65	6,255.71	65.94	95.871		
14,200.00	6,950.53	6,350.00	6,271.23	208.48	29.36	9.08	1,001.93	-56.01	6,420.96	6,354.96	66.00	97.284		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	6,350.00	6,271.23	211.28	29.36	9.08	1,001.93	-56.01	6,520.28	6,454.22	66.07	98.693		
14,400.00	6,948.60	6,350.00	6,271.23	214.08	29.36	9.08	1,001.93	-56.01	6,619.63	6,553.50	66.13	100.099		
14,500.00	6,947.64	6,350.00	6,271.23	216.88	29.36	9.08	1,001.93	-56.01	6,718.99	6,652.80	66.20	101.502		
14,600.00	6,946.67	6,350.00	6,271.23	219.68	29.36	9.08	1,001.93	-56.01	6,818.38	6,752.12	66.26	102.901		
14,700.00	6,945.71	6,350.00	6,271.23	222.49	29.36	9.08	1,001.93	-56.01	6,917.78	6,851.45	66.33	104.296		
14,800.00	6,944.74	6,350.00	6,271.23	225.29	29.36	9.08	1,001.93	-56.01	7,017.20	6,950.80	66.40	105.687		
14,900.00	6,943.78	6,350.00	6,271.23	228.10	29.36	9.08	1,001.93	-56.01	7,116.63	7,050.17	66.46	107.075		
15,000.00	6,942.81	6,350.00	6,271.23	230.90	29.36	9.08	1,001.93	-56.01	7,216.08	7,149.55	66.53	108.459		
15,100.00	6,941.85	6,350.00	6,271.23	233.71	29.36	9.08	1,001.93	-56.01	7,315.55	7,248.95	66.60	109.839		
15,200.00	6,940.88	6,350.00	6,271.23	236.52	29.36	9.08	1,001.93	-56.01	7,415.03	7,348.36	66.67	111.215		
15,300.00	6,939.92	6,350.00	6,271.23	239.32	29.36	9.08	1,001.93	-56.01	7,514.52	7,447.78	66.74	112.587		
15,400.00	6,938.95	6,350.00	6,271.23	242.13	29.36	9.08	1,001.93	-56.01	7,614.03	7,547.21	66.82	113.955		
15,500.00	6,937.99	6,350.00	6,271.23	244.94	29.36	9.08	1,001.93	-56.01	7,713.55	7,646.66	66.89	115.320		
15,600.00	6,937.02	6,350.00	6,271.23	247.75	29.36	9.08	1,001.93	-56.01	7,813.08	7,746.12	66.96	116.680		
15,706.13	6,936.00	6,350.00	6,271.23	250.74	29.36	9.08	1,001.93	-56.01	7,918.72	7,851.68	67.04	118.118		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	59.75	5.85	60.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	59.75	5.85	60.03	53.46	6.57	9.138		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	59.75	5.85	60.03	53.36	6.67	8.995 CC, ES		
300.00	300.00	297.93	297.91	3.44	3.44	5.36	61.42	5.76	61.72	54.82	6.90	8.948		
400.00	399.98	395.69	395.54	3.60	3.60	-43.21	66.42	5.51	65.52	58.28	7.24	9.055		
500.00	499.84	493.17	492.66	3.81	3.80	-46.78	74.71	5.09	70.32	62.65	7.67	9.172		
600.00	599.45	590.27	589.06	4.05	4.04	-51.78	86.25	4.50	76.58	68.40	8.18	9.364		
700.00	698.70	687.05	684.71	4.33	4.31	-57.59	100.99	3.76	84.81	76.06	8.75	9.697		
800.00	797.47	786.11	782.39	4.64	4.61	-64.09	117.49	2.92	93.66	84.33	9.33	10.037		
902.00	897.58	886.92	881.78	4.98	4.94	-71.33	134.28	2.07	102.58	92.60	9.98	10.278		
1,000.00	993.42	983.62	977.12	5.33	5.28	-78.11	150.38	1.25	112.14	101.49	10.65	10.527		
1,100.00	1,091.22	1,082.29	1,074.41	5.71	5.64	-83.88	166.82	0.42	123.26	111.88	11.38	10.834		
1,200.00	1,189.02	1,180.96	1,171.70	6.11	6.02	-88.67	183.25	-0.41	135.41	123.28	12.13	11.161		
1,300.00	1,286.82	1,279.63	1,268.99	6.53	6.41	-92.65	199.68	-1.24	148.36	135.44	12.92	11.487		
1,400.00	1,384.62	1,378.30	1,366.28	6.95	6.81	-95.99	216.12	-2.08	161.90	148.18	13.72	11.801		
1,500.00	1,482.42	1,476.98	1,463.57	7.38	7.22	-98.81	232.55	-2.91	175.90	161.36	14.54	12.098		
1,600.00	1,580.22	1,575.65	1,560.86	7.83	7.63	-101.21	248.99	-3.74	190.25	174.88	15.37	12.375		
1,700.00	1,678.03	1,674.32	1,658.15	8.27	8.05	-103.27	265.42	-4.57	204.89	188.67	16.22	12.630		
1,800.00	1,775.83	1,772.99	1,755.44	8.72	8.47	-105.06	281.86	-5.41	219.76	202.68	17.08	12.867		
1,900.00	1,873.63	1,871.66	1,852.73	9.18	8.90	-106.62	298.29	-6.24	234.81	216.86	17.95	13.084		
2,000.00	1,971.43	1,970.33	1,950.02	9.64	9.33	-107.99	314.72	-7.07	250.00	231.18	18.82	13.284		
2,100.00	2,069.23	2,069.00	2,047.31	10.11	9.77	-109.20	331.16	-7.90	265.33	245.63	19.70	13.468		
2,200.00	2,167.03	2,167.68	2,144.60	10.57	10.20	-110.28	347.59	-8.74	280.75	260.17	20.59	13.638		
2,300.00	2,264.83	2,266.35	2,241.89	11.04	10.64	-111.25	364.03	-9.57	296.27	274.79	21.48	13.795		
2,400.00	2,362.63	2,365.02	2,339.18	11.52	11.08	-112.13	380.46	-10.40	311.86	289.49	22.37	13.940		
2,500.00	2,460.43	2,463.69	2,436.47	11.99	11.52	-112.92	396.89	-11.23	327.51	304.24	23.27	14.074		
2,600.00	2,558.23	2,562.36	2,533.76	12.47	11.97	-113.63	413.33	-12.07	343.22	319.05	24.17	14.199		
2,700.00	2,656.03	2,661.03	2,631.05	12.94	12.41	-114.29	429.76	-12.90	358.98	333.90	25.08	14.315		
2,800.00	2,753.83	2,759.70	2,728.34	13.42	12.86	-114.89	446.20	-13.73	374.77	348.79	25.98	14.423		
2,900.00	2,851.63	2,858.37	2,825.63	13.90	13.31	-115.44	462.63	-14.56	390.61	363.71	26.89	14.524		
3,000.00	2,949.43	2,957.05	2,922.92	14.38	13.76	-115.95	479.07	-15.40	406.48	378.67	27.81	14.619		
3,100.00	3,047.23	3,055.72	3,020.21	14.87	14.21	-116.42	495.50	-16.23	422.37	393.65	28.72	14.707		
3,200.00	3,145.03	3,154.39	3,117.49	15.35	14.66	-116.85	511.93	-17.06	438.29	408.66	29.63	14.790		
3,300.00	3,242.83	3,253.06	3,214.78	15.83	15.11	-117.26	528.37	-17.89	454.24	423.69	30.55	14.868		
3,400.00	3,340.63	3,351.73	3,312.07	16.32	15.56	-117.63	544.80	-18.73	470.20	438.73	31.47	14.941		
3,500.00	3,438.43	3,450.40	3,409.36	16.80	16.01	-117.99	561.24	-19.56	486.19	453.80	32.39	15.010		
3,600.00	3,536.23	3,549.07	3,506.65	17.29	16.47	-118.32	577.67	-20.39	502.19	468.88	33.31	15.076		
3,700.00	3,634.03	3,647.75	3,603.94	17.78	16.92	-118.63	594.11	-21.22	518.21	483.97	34.23	15.137		
3,800.00	3,731.83	3,746.42	3,701.23	18.26	17.37	-118.92	610.54	-22.06	534.24	499.08	35.16	15.196		
3,900.00	3,829.63	3,845.09	3,798.52	18.75	17.83	-119.19	626.97	-22.89	550.28	514.20	36.08	15.251		
4,000.00	3,927.43	3,943.76	3,895.81	19.24	18.28	-119.45	643.41	-23.72	566.34	529.33	37.01	15.304		
4,100.00	4,025.23	4,042.43	3,993.10	19.73	18.74	-119.70	659.84	-24.55	582.40	544.47	37.93	15.354		
4,200.00	4,123.03	4,141.10	4,090.39	20.22	19.20	-119.93	676.28	-25.39	598.48	559.62	38.86	15.401		
4,300.00	4,220.83	4,239.77	4,187.68	20.71	19.65	-120.15	692.71	-26.22	614.56	574.77	39.79	15.447		
4,400.00	4,318.63	4,338.44	4,284.97	21.20	20.11	-120.36	709.15	-27.05	630.65	589.94	40.71	15.490		
4,500.00	4,416.43	4,437.12	4,382.26	21.69	20.56	-120.56	725.58	-27.88	646.75	605.11	41.64	15.531		
4,600.00	4,514.23	4,535.79	4,479.55	22.18	21.02	-120.74	742.01	-28.72	662.86	620.29	42.57	15.570		
4,700.00	4,612.03	4,634.46	4,576.84	22.67	21.48	-120.92	758.45	-29.55	678.98	635.47	43.50	15.608		
4,800.00	4,709.83	4,733.13	4,674.13	23.16	21.94	-121.09	774.88	-30.38	695.10	650.66	44.43	15.644		
4,900.00	4,807.63	4,831.80	4,771.42	23.65	22.39	-121.26	791.32	-31.21	711.22	665.86	45.36	15.679		
5,000.00	4,905.43	4,930.47	4,868.71	24.14	22.85	-121.41	807.75	-32.05	727.35	681.06	46.29	15.712		
5,100.00	5,003.23	5,029.14	4,966.00	24.63	23.31	-121.56	824.18	-32.88	743.49	696.26	47.22	15.744		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,127.82	5,063.29	25.12	23.77	-121.71	840.62	-33.71	759.63	711.47	48.16	15.774		
5,300.00	5,198.83	5,226.49	5,160.58	25.62	24.23	-121.84	857.05	-34.54	775.78	726.69	49.09	15.803		
5,400.00	5,296.63	5,325.16	5,257.86	26.11	24.69	-121.97	873.49	-35.38	791.93	741.90	50.02	15.832		
5,500.00	5,394.43	5,423.83	5,355.15	26.60	25.15	-122.10	889.92	-36.21	808.08	757.13	50.95	15.859		
5,600.00	5,492.23	5,522.50	5,452.44	27.09	25.61	-122.22	906.36	-37.04	824.24	772.35	51.89	15.885		
5,700.00	5,590.03	5,621.17	5,549.73	27.58	26.06	-122.34	922.79	-37.87	840.40	787.58	52.82	15.910		
5,800.00	5,687.83	5,719.84	5,647.02	28.08	26.52	-122.45	939.22	-38.71	856.56	802.81	53.76	15.934		
5,900.00	5,785.63	5,818.52	5,744.31	28.57	26.98	-122.56	955.66	-39.54	872.73	818.04	54.69	15.958		
6,000.00	5,883.43	5,917.19	5,841.60	29.06	27.44	-122.66	972.09	-40.37	888.90	833.27	55.62	15.980		
6,100.00	5,981.23	6,015.86	5,938.89	29.56	27.90	-122.76	988.53	-41.20	905.07	848.51	56.56	16.002		
6,200.00	6,079.04	6,114.53	6,036.18	30.05	28.36	-122.86	1,004.96	-42.04	921.25	863.75	57.49	16.023		
6,300.00	6,176.84	6,212.00	6,133.57	30.54	28.82	-122.96	1,021.39	-42.87	937.64	879.04	58.42	16.044		
6,409.71	6,284.13	6,319.89	6,241.18	31.08	29.33	-123.06	1,037.82	-43.70	953.13	894.33	59.35	16.065		
6,450.00	6,323.71	6,359.47	6,280.36	31.28	29.54	-123.11	1,049.25	-44.12	964.56	905.76	60.28	16.086		
6,500.00	6,373.15	6,408.91	6,330.80	31.50	29.76	-123.16	1,060.68	-44.54	976.00	917.19	61.21	16.107		
6,550.00	6,422.65	6,458.15	6,380.30	31.70	29.97	-123.21	1,072.11	-44.96	987.43	928.62	62.14	16.128		
6,600.00	6,471.92	6,507.64	6,429.81	31.89	30.18	-123.26	1,083.54	-45.38	998.87	940.05	63.07	16.149		
6,650.00	6,520.65	6,557.37	6,479.31	32.07	30.39	-123.31	1,095.00	-45.80	1,010.30	951.48	64.00	16.170		
6,700.00	6,568.54	6,605.26	6,528.81	32.25	30.60	-123.36	1,106.43	-46.22	1,021.73	962.91	64.93	16.191		
6,750.00	6,615.30	6,652.99	6,578.31	32.43	30.81	-123.41	1,117.86	-46.64	1,033.16	974.34	65.86	16.212		
6,800.00	6,660.63	6,698.32	6,623.64	32.61	31.02	-123.46	1,129.29	-47.06	1,044.59	985.77	66.79	16.233		
6,850.00	6,704.26	6,741.95	6,667.27	32.80	31.23	-123.51	1,140.72	-47.48	1,056.02	997.20	67.72	16.254		
6,900.00	6,745.92	6,783.61	6,708.93	33.00	31.44	-123.56	1,152.15	-47.90	1,067.45	1,008.63	68.65	16.275		
6,950.00	6,785.34	6,823.03	6,748.35	33.21	31.65	-123.61	1,163.58	-48.32	1,078.88	1,020.06	69.58	16.296		
7,000.00	6,822.30	6,861.45	6,787.77	33.44	31.86	-123.66	1,175.01	-48.74	1,090.31	1,031.49	70.51	16.317		
7,050.00	6,856.55	6,895.70	6,822.02	33.69	32.07	-123.71	1,186.44	-49.16	1,101.74	1,042.92	71.44	16.338		
7,100.00	6,887.90	6,927.05	6,853.37	33.97	32.28	-123.76	1,197.87	-49.58	1,113.17	1,054.35	72.37	16.359		
7,150.00	6,916.14	6,954.29	6,881.61	34.28	32.49	-123.81	1,209.30	-50.00	1,124.60	1,065.78	73.30	16.380		
7,200.00	6,941.10	6,979.25	6,906.57	34.62	32.70	-123.86	1,220.73	-50.42	1,136.03	1,077.21	74.23	16.401		
7,250.00	6,962.63	6,999.78	6,928.10	35.00	32.91	-123.91	1,232.16	-50.84	1,147.46	1,088.64	75.16	16.422		
7,266.47	6,968.95	6,999.78	6,934.42	35.14	32.96	-123.92	1,235.00	-50.90	1,149.30	1,090.48	75.22	16.426	3.779 SF	
7,300.00	6,980.59	6,999.78	6,946.06	35.43	33.17	-123.97	1,246.43	-51.32	1,160.73	1,101.91	76.15	16.447		
7,350.00	6,994.88	6,999.78	6,960.35	35.89	33.45	-124.02	1,257.86	-51.74	1,172.16	1,113.34	77.08	16.468		
7,400.00	7,005.41	6,999.78	6,974.88	36.39	33.73	-124.07	1,269.29	-52.16	1,183.59	1,124.77	78.01	16.489		
7,450.00	7,012.10	6,999.78	6,989.41	36.93	34.01	-124.12	1,280.72	-52.58	1,195.02	1,136.20	78.94	16.510		
7,500.00	7,014.93	6,999.78	6,999.78	37.50	34.29	-124.17	1,292.15	-53.00	1,206.45	1,147.63	79.87	16.531		
7,517.56	7,015.00	6,999.78	6,999.78	37.70	34.35	-124.18	1,295.00	-53.06	1,209.30	1,150.48	80.00	16.535		
7,600.00	7,014.21	6,999.78	6,999.78	38.74	34.96	-124.23	1,313.11	-53.58	1,227.41	1,168.59	82.01	16.556		
7,700.00	7,013.24	6,999.78	6,999.78	40.15	35.78	-124.28	1,331.22	-54.10	1,245.52	1,186.70	84.02	16.577		
7,800.00	7,012.28	6,999.78	6,999.78	41.71	36.60	-124.33	1,349.33	-54.62	1,263.63	1,204.81	86.03	16.598		
7,900.00	7,011.31	6,999.78	6,999.78	43.40	37.42	-124.38	1,367.44	-55.14	1,281.74	1,222.92	88.04	16.619		
8,000.00	7,010.35	6,999.78	6,999.78	45.21	38.24	-124.43	1,385.55	-55.66	1,300.00	1,241.03	90.05	16.640		
8,100.00	7,009.38	6,999.78	6,999.78	47.12	39.06	-124.48	1,403.66	-56.18	1,318.11	1,259.14	92.06	16.661		
8,200.00	7,008.42	6,999.78	6,999.78	49.12	39.88	-124.53	1,421.77	-56.70	1,336.22	1,277.25	94.07	16.682		
8,300.00	7,007.45	6,999.78	6,999.78	51.21	40.70	-124.58	1,439.88	-57.22	1,354.33	1,295.36	96.08	16.703		
8,400.00	7,006.49	6,999.78	6,999.78	53.36	41.52	-124.63	1,457.99	-57.74	1,372.44	1,313.47	98.09	16.724		
8,500.00	7,005.52	6,999.78	6,999.78	55.57	42.34	-124.68	1,476.10	-58.26	1,390.55	1,331.58	100.10	16.745		
8,600.00	7,004.56	6,999.78	6,999.78	57.84	43.16	-124.73	1,494.21	-58.78	1,408.66	1,349.69	102.11	16.766		
8,700.00	7,003.59	6,999.78	6,999.78	60.16	43.98	-124.78	1,512.32	-59.30	1,426.77	1,367.80	104.12	16.787		
8,800.00	7,002.63	6,999.78	6,999.78	62.52	44.80	-124.83	1,530.43	-59.82	1,444.88	1,385.91	106.13	16.808		
8,900.00	7,001.66	6,999.78	6,999.78	64.92	45.62	-124.88	1,548.54	-60.34	1,462.99	1,404.02	108.14	16.829		
9,000.00	7,000.70	6,999.78	6,999.78	67.35	46.44	-124.93	1,566.65	-60.86	1,481.10	1,422.13	110.15	16.850		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,600.00	6,512.08	69.81	30.58	21.80	1,085.69	-16.68	1,428.19	1,364.54	63.65	22.438		
9,200.00	6,998.77	6,600.00	6,512.08	72.31	30.58	21.80	1,085.69	-16.68	1,521.27	1,457.37	63.90	23.808		
9,300.00	6,997.80	6,600.00	6,512.08	74.82	30.58	21.80	1,085.69	-16.68	1,615.17	1,551.07	64.09	25.200		
9,400.00	6,996.84	6,583.22	6,496.20	77.36	30.51	20.95	1,082.96	-21.37	1,709.46	1,645.34	64.12	26.659		
9,500.00	6,995.88	6,575.72	6,489.07	79.92	30.48	20.58	1,081.73	-23.34	1,804.32	1,740.10	64.22	28.098		
9,600.00	6,994.91	6,568.79	6,482.46	82.49	30.45	20.25	1,080.59	-25.07	1,899.60	1,835.30	64.30	29.543		
9,700.00	6,993.95	6,550.00	6,464.44	85.09	30.37	19.37	1,077.49	-29.41	1,995.41	1,931.12	64.30	31.035		
9,800.00	6,992.98	6,550.00	6,464.44	87.70	30.37	19.37	1,077.49	-29.41	2,091.29	2,026.88	64.40	32.471		
9,900.00	6,992.02	6,550.00	6,464.44	90.32	30.37	19.37	1,077.49	-29.41	2,187.53	2,123.03	64.50	33.915		
10,000.00	6,991.05	6,550.00	6,464.44	92.95	30.37	19.37	1,077.49	-29.41	2,284.09	2,219.51	64.58	35.367		
10,100.00	6,990.09	6,550.00	6,464.44	95.60	30.37	19.37	1,077.49	-29.41	2,380.94	2,316.28	64.66	36.824		
10,200.00	6,989.12	6,550.00	6,464.44	98.26	30.37	19.37	1,077.49	-29.41	2,478.04	2,413.32	64.72	38.286		
10,300.00	6,988.16	6,550.00	6,464.44	100.92	30.37	19.37	1,077.49	-29.41	2,575.36	2,510.58	64.79	39.752		
10,400.00	6,987.19	6,528.12	6,443.31	103.60	30.27	18.39	1,073.87	-33.78	2,672.42	2,607.66	64.76	41.269		
10,500.00	6,986.23	6,524.36	6,439.66	106.28	30.26	18.23	1,073.25	-34.46	2,769.95	2,705.15	64.80	42.746		
10,600.00	6,985.26	6,520.80	6,436.22	108.98	30.24	18.08	1,072.66	-35.08	2,867.62	2,802.78	64.84	44.225		
10,700.00	6,984.30	6,500.00	6,415.96	111.68	30.15	17.21	1,069.20	-38.31	2,965.71	2,900.89	64.82	45.751		
10,800.00	6,983.33	6,500.00	6,415.96	114.38	30.15	17.21	1,069.20	-38.31	3,063.54	2,998.67	64.88	47.222		
10,900.00	6,982.37	6,500.00	6,415.96	117.09	30.15	17.21	1,069.20	-38.31	3,161.51	3,096.59	64.93	48.694		
11,000.00	6,981.40	6,500.00	6,415.96	119.81	30.15	17.21	1,069.20	-38.31	3,259.60	3,194.63	64.98	50.167		
11,100.00	6,980.44	6,500.00	6,415.96	122.54	30.15	17.21	1,069.20	-38.31	3,357.81	3,292.78	65.02	51.640		
11,200.00	6,979.47	6,500.00	6,415.96	125.26	30.15	17.21	1,069.20	-38.31	3,456.11	3,391.04	65.07	53.114		
11,300.00	6,978.51	6,500.00	6,415.96	128.00	30.15	17.21	1,069.20	-38.31	3,554.51	3,489.40	65.12	54.588		
11,400.00	6,977.54	6,500.00	6,415.96	130.73	30.15	17.21	1,069.20	-38.31	3,653.00	3,587.84	65.16	56.062		
11,500.00	6,976.58	6,500.00	6,415.96	133.48	30.15	17.21	1,069.20	-38.31	3,751.57	3,686.36	65.20	57.535		
11,600.00	6,975.62	6,500.00	6,415.96	136.22	30.15	17.21	1,069.20	-38.31	3,850.21	3,784.96	65.25	59.008		
11,700.00	6,974.65	6,500.00	6,415.96	138.97	30.15	17.21	1,069.20	-38.31	3,948.92	3,883.63	65.29	60.480		
11,800.00	6,973.69	6,500.00	6,415.96	141.73	30.15	17.21	1,069.20	-38.31	4,047.69	3,982.36	65.34	61.950		
11,900.00	6,972.72	6,500.00	6,415.96	144.48	30.15	17.21	1,069.20	-38.31	4,146.53	4,081.14	65.38	63.419		
12,000.00	6,971.76	6,500.00	6,415.96	147.24	30.15	17.21	1,069.20	-38.31	4,245.41	4,179.98	65.43	64.887		
12,100.00	6,970.79	6,500.00	6,415.96	150.00	30.15	17.21	1,069.20	-38.31	4,344.35	4,278.88	65.47	66.353		
12,200.00	6,969.83	6,500.00	6,415.96	152.77	30.15	17.21	1,069.20	-38.31	4,443.34	4,377.82	65.52	67.818		
12,300.00	6,968.86	6,500.00	6,415.96	155.54	30.15	17.21	1,069.20	-38.31	4,542.37	4,476.80	65.57	69.280		
12,400.00	6,967.90	6,500.00	6,415.96	158.31	30.15	17.21	1,069.20	-38.31	4,641.44	4,575.82	65.61	70.741		
12,500.00	6,966.93	6,478.17	6,394.60	161.08	30.05	16.35	1,065.55	-40.98	4,740.12	4,674.51	65.61	72.243		
12,600.00	6,965.97	6,476.74	6,393.20	163.85	30.05	16.30	1,065.32	-41.13	4,839.22	4,773.56	65.66	73.702		
12,700.00	6,965.00	6,475.36	6,391.85	166.63	30.04	16.25	1,065.09	-41.27	4,938.34	4,872.63	65.71	75.159		
12,800.00	6,964.04	6,474.03	6,390.54	169.41	30.03	16.20	1,064.86	-41.40	5,037.49	4,971.74	65.75	76.612		
12,900.00	6,963.07	6,472.75	6,389.28	172.19	30.03	16.15	1,064.65	-41.53	5,136.68	5,070.88	65.80	78.064		
13,000.00	6,962.11	6,450.00	6,366.93	174.97	29.93	15.31	1,060.85	-43.32	5,236.30	5,170.49	65.81	79.570		
13,100.00	6,961.14	6,450.00	6,366.93	177.76	29.93	15.31	1,060.85	-43.32	5,335.50	5,269.63	65.86	81.012		
13,200.00	6,960.18	6,450.00	6,366.93	180.54	29.93	15.31	1,060.85	-43.32	5,434.72	5,368.81	65.91	82.452		
13,300.00	6,959.21	6,450.00	6,366.93	183.33	29.93	15.31	1,060.85	-43.32	5,533.97	5,468.01	65.97	83.889		
13,400.00	6,958.25	6,450.00	6,366.93	186.12	29.93	15.31	1,060.85	-43.32	5,633.25	5,567.23	66.02	85.323		
13,500.00	6,957.28	6,450.00	6,366.93	188.91	29.93	15.31	1,060.85	-43.32	5,732.56	5,666.48	66.08	86.754		
13,600.00	6,956.32	6,450.00	6,366.93	191.70	29.93	15.31	1,060.85	-43.32	5,831.89	5,765.75	66.13	88.182		
13,700.00	6,955.35	6,450.00	6,366.93	194.49	29.93	15.31	1,060.85	-43.32	5,931.24	5,865.04	66.19	89.606		
13,800.00	6,954.39	6,450.00	6,366.93	197.29	29.93	15.31	1,060.85	-43.32	6,030.61	5,964.36	66.25	91.028		
13,900.00	6,953.43	6,450.00	6,366.93	200.08	29.93	15.31	1,060.85	-43.32	6,130.00	6,063.69	66.31	92.446		
14,000.00	6,952.46	6,450.00	6,366.93	202.88	29.93	15.31	1,060.85	-43.32	6,229.41	6,163.05	66.37	93.861		
14,100.00	6,951.50	6,450.00	6,366.93	205.68	29.93	15.31	1,060.85	-43.32	6,328.84	6,262.42	66.43	95.272		
14,200.00	6,950.53	6,450.00	6,366.93	208.48	29.93	15.31	1,060.85	-43.32	6,428.29	6,361.80	66.49	96.680		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	6,450.00	6,366.93	211.28	29.93	15.31	1,060.85	-43.32	6,527.76	6,461.21	66.55	98.085		
14,400.00	6,948.60	6,450.00	6,366.93	214.08	29.93	15.31	1,060.85	-43.32	6,627.24	6,560.62	66.62	99.486		
14,500.00	6,947.64	6,450.00	6,366.93	216.88	29.93	15.31	1,060.85	-43.32	6,726.74	6,660.06	66.68	100.883		
14,600.00	6,946.67	6,450.00	6,366.93	219.68	29.93	15.31	1,060.85	-43.32	6,826.25	6,759.50	66.74	102.276		
14,700.00	6,945.71	6,450.00	6,366.93	222.49	29.93	15.31	1,060.85	-43.32	6,925.77	6,858.96	66.81	103.666		
14,800.00	6,944.74	6,450.00	6,366.93	225.29	29.93	15.31	1,060.85	-43.32	7,025.31	6,958.44	66.87	105.052		
14,900.00	6,943.78	6,450.00	6,366.93	228.10	29.93	15.31	1,060.85	-43.32	7,124.86	7,057.92	66.94	106.434		
15,000.00	6,942.81	6,450.00	6,366.93	230.90	29.93	15.31	1,060.85	-43.32	7,224.43	7,157.42	67.01	107.812		
15,100.00	6,941.85	6,450.00	6,366.93	233.71	29.93	15.31	1,060.85	-43.32	7,324.00	7,256.93	67.08	109.186		
15,200.00	6,940.88	6,450.00	6,366.93	236.52	29.93	15.31	1,060.85	-43.32	7,423.59	7,356.44	67.15	110.557		
15,300.00	6,939.92	6,450.00	6,366.93	239.32	29.93	15.31	1,060.85	-43.32	7,523.19	7,455.97	67.22	111.923		
15,400.00	6,938.95	6,450.00	6,366.93	242.13	29.93	15.31	1,060.85	-43.32	7,622.80	7,555.51	67.29	113.285		
15,500.00	6,937.99	6,450.00	6,366.93	244.94	29.93	15.31	1,060.85	-43.32	7,722.42	7,655.06	67.36	114.643		
15,600.00	6,937.02	6,450.00	6,366.93	247.75	29.93	15.31	1,060.85	-43.32	7,822.05	7,754.61	67.43	115.997		
15,706.13	6,936.00	6,450.00	6,366.93	250.74	29.93	15.31	1,060.85	-43.32	7,927.79	7,860.28	67.51	117.429		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.39	-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	158.53	6.57	25.131		
200.00	200.00	200.00	200.00	3.34	3.34	-174.39	-164.30	-16.15	165.09	158.42	6.67	24.737 CC, ES		
300.00	300.00	294.57	294.55	3.44	3.43	-174.31	-165.82	-16.52	166.73	159.84	6.89	24.207		
400.00	399.98	388.82	388.69	3.60	3.57	139.19	-170.34	-17.63	172.94	165.73	7.21	23.989 SF		
500.00	499.84	482.20	481.74	3.81	3.75	140.35	-177.79	-19.46	185.08	177.45	7.63	24.267		
600.00	599.45	574.12	573.06	4.05	3.97	141.92	-187.99	-21.97	203.21	195.09	8.12	25.029		
700.00	698.70	664.08	662.05	4.33	4.21	143.66	-200.72	-25.11	227.37	218.71	8.67	26.239		
800.00	797.47	751.59	748.19	4.64	4.48	145.36	-215.71	-28.80	257.53	248.28	9.25	27.848		
902.00	897.58	837.88	832.63	4.98	4.77	146.94	-232.98	-33.05	294.34	284.48	9.86	29.855		
1,000.00	993.42	918.25	910.75	5.33	5.07	148.57	-251.28	-37.55	333.98	323.53	10.45	31.958		
1,100.00	1,091.22	998.19	987.90	5.71	5.39	149.85	-271.58	-42.54	377.17	366.12	11.05	34.128		
1,200.00	1,189.02	1,076.00	1,062.41	6.11	5.72	150.84	-293.35	-47.90	422.97	411.32	11.65	36.296		
1,300.00	1,286.82	1,151.66	1,134.26	6.53	6.07	151.60	-316.39	-53.57	471.21	458.96	12.25	38.463		
1,400.00	1,384.62	1,225.16	1,203.42	6.95	6.42	152.18	-340.52	-59.51	521.76	508.92	12.84	40.633		
1,500.00	1,482.42	1,308.70	1,281.57	7.38	6.83	152.72	-369.18	-66.56	573.71	560.21	13.51	42.471		
1,600.00	1,580.22	1,394.01	1,361.38	7.83	7.27	153.18	-398.46	-73.77	625.72	611.51	14.21	44.037		
1,700.00	1,678.03	1,479.33	1,441.18	8.27	7.72	153.57	-427.75	-80.97	677.75	662.82	14.93	45.400		
1,800.00	1,775.83	1,564.64	1,520.99	8.72	8.19	153.90	-457.03	-88.18	729.80	714.14	15.66	46.592		
1,900.00	1,873.63	1,649.96	1,600.80	9.18	8.65	154.19	-486.31	-95.38	781.86	765.45	16.41	47.637		
2,000.00	1,971.43	1,735.27	1,680.61	9.64	9.13	154.44	-515.60	-102.59	833.94	816.77	17.17	48.559		
2,100.00	2,069.23	1,820.59	1,760.41	10.11	9.61	154.67	-544.88	-109.80	886.03	868.08	17.95	49.373		
2,200.00	2,167.03	1,905.90	1,840.22	10.57	10.09	154.86	-574.16	-117.00	938.13	919.40	18.73	50.097		
2,300.00	2,264.83	2,008.78	1,920.03	11.04	10.68	155.04	-603.45	-124.21	990.23	970.63	19.60	50.519		
2,400.00	2,362.63	2,076.53	1,999.84	11.52	11.07	155.20	-632.73	-131.41	1,042.34	1,022.03	20.31	51.319		
2,500.00	2,460.43	2,161.85	2,079.64	11.99	11.57	155.35	-662.01	-138.62	1,094.46	1,073.34	21.11	51.837		
2,600.00	2,558.23	2,247.16	2,159.45	12.47	12.06	155.48	-691.30	-145.83	1,146.58	1,124.65	21.92	52.304		
2,700.00	2,656.03	2,332.48	2,239.26	12.94	12.56	155.60	-720.58	-153.03	1,198.70	1,175.97	22.73	52.727		
2,800.00	2,753.83	2,417.79	2,319.07	13.42	13.07	155.71	-749.86	-160.24	1,250.83	1,227.28	23.55	53.110		
2,900.00	2,851.63	2,503.11	2,398.87	13.90	13.57	155.81	-779.15	-167.44	1,302.96	1,278.59	24.37	53.459		
3,000.00	2,949.43	2,588.42	2,478.68	14.38	14.08	155.90	-808.43	-174.65	1,355.09	1,329.89	25.20	53.778		
3,100.00	3,047.23	2,673.74	2,558.49	14.87	14.58	155.99	-837.71	-181.86	1,407.23	1,381.20	26.03	54.069		
3,200.00	3,145.03	2,759.05	2,638.30	15.35	15.09	156.07	-867.00	-189.06	1,459.37	1,432.51	26.86	54.337		
3,300.00	3,242.83	2,844.37	2,718.10	15.83	15.60	156.14	-896.28	-196.27	1,511.51	1,483.81	27.69	54.583		
3,400.00	3,340.63	2,929.68	2,797.91	16.32	16.11	156.21	-925.56	-203.47	1,563.65	1,535.12	28.53	54.810		
3,500.00	3,438.43	3,015.00	2,877.72	16.80	16.62	156.28	-954.85	-210.68	1,615.79	1,586.42	29.37	55.019		
3,600.00	3,536.23	3,100.31	2,957.53	17.29	17.14	156.34	-984.13	-217.89	1,667.94	1,637.73	30.21	55.214		
3,700.00	3,634.03	3,185.63	3,037.33	17.78	17.65	156.40	-1,013.41	-225.09	1,720.08	1,689.03	31.05	55.394		
3,800.00	3,731.83	3,270.94	3,117.14	18.26	18.16	156.45	-1,042.70	-232.30	1,772.23	1,740.33	31.90	55.562		
3,900.00	3,829.63	3,356.26	3,196.95	18.75	18.68	156.50	-1,071.98	-239.50	1,824.38	1,791.64	32.74	55.718		
4,000.00	3,927.43	3,441.58	3,276.76	19.24	19.19	156.55	-1,101.26	-246.71	1,876.53	1,842.94	33.59	55.864		
4,100.00	4,025.23	3,526.89	3,356.56	19.73	19.71	156.60	-1,130.55	-253.92	1,928.68	1,894.24	34.44	56.000		
4,200.00	4,123.03	3,612.21	3,436.37	20.22	20.23	156.64	-1,159.83	-261.12	1,980.83	1,945.54	35.29	56.128		
4,300.00	4,220.83	3,767.95	3,582.68	20.71	21.15	156.72	-1,211.66	-273.87	2,032.45	1,995.59	36.86	55.141		
4,400.00	4,318.63	4,069.52	3,872.92	21.20	22.79	157.01	-1,290.66	-293.32	2,077.12	2,037.55	39.57	52.496		
4,500.00	4,416.43	4,400.18	4,199.02	21.69	24.32	157.48	-1,342.73	-306.13	2,111.88	2,069.97	41.91	50.395		
4,600.00	4,514.23	4,600.00	4,477.11	22.18	25.11	158.01	-1,357.73	-309.82	2,135.51	2,092.35	43.16	49.482		
4,700.00	4,612.03	4,813.75	4,612.03	22.67	25.78	158.29	-1,358.12	-309.92	2,155.01	2,110.69	44.33	48.617		
4,800.00	4,709.83	4,911.55	4,709.83	23.16	26.07	158.49	-1,358.12	-309.92	2,174.46	2,129.34	45.12	48.189		
4,900.00	4,807.63	5,009.35	4,807.63	23.65	26.37	158.69	-1,358.12	-309.92	2,193.94	2,148.01	45.92	47.772		
5,000.00	4,905.43	5,107.15	4,905.43	24.14	26.67	158.89	-1,358.12	-309.92	2,213.44	2,166.71	46.73	47.367		
5,100.00	5,003.23	5,204.95	5,003.23	24.63	26.97	159.08	-1,358.12	-309.92	2,232.97	2,185.43	47.54	46.974		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,302.75	5,101.03	25.12	27.28	159.27	-1,358.12	-309.92	2,252.52	2,204.17	48.35	46.591		
5,300.00	5,198.83	5,400.55	5,198.83	25.62	27.59	159.46	-1,358.12	-309.92	2,272.09	2,222.93	49.16	46.220		
5,400.00	5,296.63	5,501.65	5,296.63	26.11	27.91	159.64	-1,358.12	-309.92	2,291.69	2,241.70	49.99	45.847		
5,500.00	5,394.43	5,603.85	5,394.43	26.60	28.25	159.82	-1,358.12	-309.92	2,311.31	2,260.49	50.82	45.481		
5,600.00	5,492.23	5,706.04	5,492.23	27.09	28.58	159.99	-1,358.12	-309.92	2,330.95	2,279.29	51.66	45.125		
5,700.00	5,590.03	5,808.24	5,590.03	27.58	28.92	160.17	-1,358.12	-309.92	2,350.61	2,298.12	52.49	44.779		
5,800.00	5,687.83	5,889.56	5,687.83	28.08	29.19	160.34	-1,358.12	-309.92	2,370.29	2,317.03	53.26	44.506		
5,900.00	5,785.63	5,987.36	5,785.63	28.57	29.51	160.51	-1,358.12	-309.92	2,389.99	2,335.91	54.08	44.190		
6,000.00	5,883.43	6,085.16	5,883.43	29.06	29.84	160.67	-1,358.12	-309.92	2,409.71	2,354.80	54.91	43.882		
6,100.00	5,981.23	6,182.96	5,981.23	29.56	30.18	160.83	-1,358.12	-309.92	2,429.45	2,373.71	55.74	43.583		
6,200.00	6,079.04	6,279.41	6,079.04	30.05	30.51	160.99	-1,358.12	-309.92	2,449.19	2,392.62	56.57	43.284		
6,300.00	6,176.84	6,376.86	6,176.84	30.54	30.84	161.15	-1,358.12	-309.92	2,468.93	2,411.53	57.40	42.985		
6,409.71	6,284.13	6,484.66	6,284.13	31.08	31.21	161.31	-1,358.12	-309.92	2,488.67	2,430.44	58.23	42.686		
6,450.00	6,323.71	6,524.24	6,323.71	31.28	31.41	161.47	-1,358.12	-309.92	2,508.41	2,449.35	59.06	42.387		
6,500.00	6,373.15	6,573.68	6,373.15	31.50	31.63	161.63	-1,358.12	-309.92	2,528.15	2,468.26	59.89	42.088		
6,550.00	6,422.65	6,623.12	6,422.65	31.70	31.84	161.79	-1,358.12	-309.92	2,547.89	2,487.17	60.72	41.789		
6,600.00	6,471.92	6,672.56	6,471.92	31.89	32.05	161.95	-1,358.12	-309.92	2,567.63	2,506.08	61.55	41.490		
6,650.00	6,520.65	6,721.99	6,520.65	32.07	32.26	162.11	-1,358.12	-309.92	2,587.37	2,524.99	62.38	41.191		
6,700.00	6,568.54	6,771.43	6,568.54	32.25	32.47	162.27	-1,358.12	-309.92	2,607.11	2,543.90	63.21	40.892		
6,750.00	6,615.30	6,820.86	6,615.30	32.43	32.68	162.43	-1,358.12	-309.92	2,626.85	2,562.81	64.04	40.593		
6,800.00	6,660.63	6,870.30	6,660.63	32.61	32.89	162.59	-1,358.12	-309.92	2,646.59	2,581.72	64.87	40.294		
6,850.00	6,704.26	6,919.73	6,704.26	32.80	33.10	162.75	-1,358.12	-309.92	2,666.33	2,600.63	65.70	40.000		
6,900.00	6,745.92	6,969.17	6,745.92	33.00	33.31	162.91	-1,358.12	-309.92	2,686.07	2,619.54	66.53	39.701		
6,950.00	6,785.34	7,018.61	6,785.34	33.21	33.52	163.07	-1,358.12	-309.92	2,705.81	2,638.45	67.36	39.402		
7,000.00	6,822.30	7,068.05	6,822.30	33.44	33.73	163.23	-1,358.12	-309.92	2,725.55	2,657.36	68.19	39.103		
7,050.00	6,856.55	7,117.49	6,856.55	33.69	33.94	163.39	-1,358.12	-309.92	2,745.29	2,676.27	69.02	38.804		
7,100.00	6,887.90	7,166.93	6,887.90	33.97	34.15	163.55	-1,358.12	-309.92	2,765.03	2,695.18	69.85	38.505		
7,150.00	6,916.14	7,216.37	6,916.14	34.28	34.36	163.71	-1,358.12	-309.92	2,784.77	2,714.09	70.68	38.206		
7,200.00	6,941.10	7,265.81	6,941.10	34.62	34.57	163.87	-1,358.12	-309.92	2,804.51	2,733.00	71.51	37.907		
7,250.00	6,962.63	7,315.25	6,962.63	35.00	34.78	164.03	-1,358.12	-309.92	2,824.25	2,751.91	72.34	37.608		
7,300.00	6,980.59	7,364.69	6,980.59	35.43	34.99	164.19	-1,358.12	-309.92	2,843.99	2,770.82	73.17	37.309		
7,350.00	6,994.88	7,414.13	6,994.88	35.89	35.20	164.35	-1,358.12	-309.92	2,863.73	2,789.73	74.00	37.010		
7,400.00	7,005.41	7,463.57	7,005.41	36.39	35.41	164.51	-1,358.12	-309.92	2,883.47	2,808.64	74.83	36.711		
7,450.00	7,012.10	7,513.01	7,012.10	36.93	35.62	164.67	-1,358.12	-309.92	2,903.21	2,827.55	75.66	36.412		
7,500.00	7,014.93	7,562.45	7,014.93	37.50	35.83	164.83	-1,358.12	-309.92	2,922.95	2,846.46	76.49	36.113		
7,517.56	7,015.00	7,562.45	7,015.00	37.70	35.94	164.99	-1,358.12	-309.92	2,942.69	2,865.37	77.32	35.814		
7,600.00	7,014.21	7,570.96	7,014.21	38.74	34.49	164.52	-1,356.78	108.10	2,258.33	2,186.93	71.41	31.627		
7,700.00	7,013.24	7,448.28	7,013.24	40.15	34.21	163.21	-1,357.14	-2.36	2,250.76	2,178.65	72.12	31.210		
7,800.00	7,012.28	7,348.17	7,012.28	41.71	34.00	161.75	-1,357.40	-83.65	2,243.34	2,170.03	73.31	30.599		
7,900.00	7,011.31	7,268.60	7,011.31	43.40	33.81	160.36	-1,357.58	-141.12	2,237.27	2,162.46	74.81	29.906		
8,000.00	7,010.35	7,205.69	7,010.35	45.21	33.66	159.13	-1,357.71	-181.44	2,233.47	2,156.98	76.49	29.198		
8,077.23	7,009.60	7,166.05	7,009.60	46.68	33.55	158.30	-1,357.78	-204.32	2,232.52	2,154.63	77.90	28.660		
8,100.00	7,009.38	7,155.59	7,009.38	47.12	33.52	158.08	-1,357.80	-210.01	2,232.61	2,154.30	78.31	28.510		
8,200.00	7,008.42	7,115.23	7,008.42	49.12	33.40	157.19	-1,357.87	-230.63	2,235.11	2,154.90	80.21	27.865		
8,300.00	7,007.45	7,082.26	7,007.45	51.21	33.30	156.45	-1,357.92	-245.81	2,241.28	2,159.11	82.17	27.277		
8,400.00	7,006.49	7,050.00	7,006.49	53.36	33.20	155.70	-1,357.96	-259.17	2,251.28	2,167.17	84.12	26.764		
8,500.00	7,005.52	7,032.07	7,005.52	55.57	33.14	155.28	-1,357.98	-265.96	2,265.19	2,179.08	86.11	26.306		
8,600.00	7,004.56	7,012.64	7,004.56	57.84	33.08	154.81	-1,358.00	-272.77	2,283.07	2,195.02	88.05	25.929		
8,700.00	7,003.59	7,000.00	7,003.59	60.16	33.03	154.51	-1,358.02	-276.91	2,304.88	2,214.92	89.96	25.621		
8,800.00	7,002.63	6,981.53	7,002.63	62.52	32.97	154.06	-1,358.04	-282.53	2,330.55	2,238.79	91.76	25.398		
8,900.00	7,001.66	6,968.91	7,001.66	64.92	32.93	153.75	-1,358.05	-286.07	2,360.02	2,266.52	93.50	25.240		
9,000.00	7,000.70	6,950.00	7,000.70	67.35	32.86	153.29	-1,358.06	-290.92	2,393.20	2,298.09	95.12	25.161		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,950.00	6,746.73	69.81	32.86	-83.29	-1,358.06	-290.92	2,429.87	2,333.15	96.73	25.121		
9,200.00	6,998.77	6,950.00	6,746.73	72.31	32.86	-83.29	-1,358.06	-290.92	2,470.05	2,371.82	98.23	25.146		
9,300.00	6,997.80	6,931.27	6,728.49	74.82	32.80	-82.83	-1,358.08	-295.20	2,513.36	2,413.83	99.53	25.252		
9,400.00	6,996.84	6,924.15	6,721.52	77.36	32.77	-82.65	-1,358.08	-296.68	2,559.85	2,459.06	100.79	25.399		
9,500.00	6,995.88	6,917.69	6,715.20	79.92	32.75	-82.49	-1,358.08	-297.96	2,609.28	2,507.34	101.94	25.595		
9,600.00	6,994.91	6,900.00	6,697.79	82.49	32.69	-82.05	-1,358.10	-301.13	2,661.60	2,558.65	102.95	25.854		
9,700.00	6,993.95	6,900.00	6,697.79	85.09	32.69	-82.05	-1,358.10	-301.13	2,716.40	2,612.46	103.95	26.133		
9,800.00	6,992.98	6,900.00	6,697.79	87.70	32.69	-82.05	-1,358.10	-301.13	2,773.73	2,668.88	104.85	26.454		
9,900.00	6,992.02	6,900.00	6,697.79	90.32	32.69	-82.05	-1,358.10	-301.13	2,833.43	2,727.76	105.68	26.812		
10,000.00	6,991.05	6,900.00	6,697.79	92.95	32.69	-82.05	-1,358.10	-301.13	2,895.35	2,788.93	106.42	27.207		
10,100.00	6,990.09	6,900.00	6,697.79	95.60	32.69	-82.05	-1,358.10	-301.13	2,959.36	2,852.27	107.09	27.634		
10,200.00	6,989.12	6,900.00	6,697.79	98.26	32.69	-82.05	-1,358.10	-301.13	3,025.32	2,917.63	107.69	28.092		
10,300.00	6,988.16	6,900.00	6,697.79	100.92	32.69	-82.05	-1,358.10	-301.13	3,093.10	2,984.87	108.23	28.578		
10,400.00	6,987.19	6,878.76	6,676.79	103.60	32.61	-81.53	-1,358.11	-304.30	3,162.26	3,053.63	108.63	29.110		
10,500.00	6,986.23	6,875.82	6,673.88	106.28	32.60	-81.45	-1,358.11	-304.68	3,233.26	3,124.20	109.05	29.648		
10,600.00	6,985.26	6,873.07	6,671.14	108.98	32.59	-81.38	-1,358.11	-305.03	3,305.73	3,196.31	109.43	30.209		
10,700.00	6,984.30	6,870.48	6,668.57	111.68	32.58	-81.32	-1,358.11	-305.34	3,379.61	3,269.85	109.76	30.790		
10,800.00	6,983.33	6,850.00	6,648.21	114.38	32.51	-80.81	-1,358.12	-307.46	3,455.04	3,345.06	109.98	31.414		
10,900.00	6,982.37	6,850.00	6,648.21	117.09	32.51	-80.81	-1,358.12	-307.46	3,531.38	3,421.13	110.26	32.029		
11,000.00	6,981.40	6,850.00	6,648.21	119.81	32.51	-80.81	-1,358.12	-307.46	3,608.88	3,498.39	110.50	32.661		
11,100.00	6,980.44	6,850.00	6,648.21	122.54	32.51	-80.81	-1,358.12	-307.46	3,687.47	3,576.76	110.71	33.308		
11,200.00	6,979.47	6,850.00	6,648.21	125.26	32.51	-80.81	-1,358.12	-307.46	3,767.07	3,656.17	110.89	33.970		
11,300.00	6,978.51	6,850.00	6,648.21	128.00	32.51	-80.81	-1,358.12	-307.46	3,847.62	3,736.56	111.06	34.646		
11,400.00	6,977.54	6,850.00	6,648.21	130.73	32.51	-80.81	-1,358.12	-307.46	3,929.07	3,817.87	111.20	35.335		
11,500.00	6,976.58	6,850.00	6,648.21	133.48	32.51	-80.81	-1,358.12	-307.46	4,011.35	3,900.03	111.32	36.035		
11,600.00	6,975.62	6,850.00	6,648.21	136.22	32.51	-80.81	-1,358.12	-307.46	4,094.42	3,983.00	111.42	36.747		
11,700.00	6,974.65	6,850.00	6,648.21	138.97	32.51	-80.81	-1,358.12	-307.46	4,178.24	4,066.73	111.51	37.469		
11,800.00	6,973.69	6,850.00	6,648.21	141.73	32.51	-80.81	-1,358.12	-307.46	4,262.75	4,151.17	111.59	38.201		
11,900.00	6,972.72	6,850.00	6,648.21	144.48	32.51	-80.81	-1,358.12	-307.46	4,347.92	4,236.27	111.65	38.942		
12,000.00	6,971.76	6,850.00	6,648.21	147.24	32.51	-80.81	-1,358.12	-307.46	4,433.71	4,322.01	111.70	39.692		
12,100.00	6,970.79	6,850.00	6,648.21	150.00	32.51	-80.81	-1,358.12	-307.46	4,520.09	4,408.34	111.75	40.450		
12,200.00	6,969.83	6,850.00	6,648.21	152.77	32.51	-80.81	-1,358.12	-307.46	4,607.01	4,495.23	111.78	41.215		
12,300.00	6,968.86	6,850.00	6,648.21	155.54	32.51	-80.81	-1,358.12	-307.46	4,694.46	4,582.65	111.81	41.987		
12,400.00	6,967.90	6,850.00	6,648.21	158.31	32.51	-80.81	-1,358.12	-307.46	4,782.40	4,670.57	111.83	42.766		
12,500.00	6,966.93	6,850.00	6,648.21	161.08	32.51	-80.81	-1,358.12	-307.46	4,870.80	4,758.96	111.84	43.552		
12,600.00	6,965.97	6,850.00	6,648.21	163.85	32.51	-80.81	-1,358.12	-307.46	4,959.65	4,847.80	111.85	44.343		
12,700.00	6,965.00	6,850.00	6,648.21	166.63	32.51	-80.81	-1,358.12	-307.46	5,048.91	4,937.06	111.85	45.140		
12,800.00	6,964.04	6,850.00	6,648.21	169.41	32.51	-80.81	-1,358.12	-307.46	5,138.56	5,026.71	111.85	45.942		
12,900.00	6,963.07	6,850.00	6,648.21	172.19	32.51	-80.81	-1,358.12	-307.46	5,228.60	5,116.75	111.84	46.749		
13,000.00	6,962.11	6,850.00	6,648.21	174.97	32.51	-80.81	-1,358.12	-307.46	5,318.98	5,207.15	111.84	47.561		
13,100.00	6,961.14	6,850.00	6,648.21	177.76	32.51	-80.81	-1,358.12	-307.46	5,409.71	5,297.89	111.82	48.377		
13,200.00	6,960.18	6,850.00	6,648.21	180.54	32.51	-80.81	-1,358.12	-307.46	5,500.76	5,388.95	111.81	49.197		
13,300.00	6,959.21	6,850.00	6,648.21	183.33	32.51	-80.81	-1,358.12	-307.46	5,592.11	5,480.32	111.80	50.020		
13,400.00	6,958.25	6,850.00	6,648.21	186.12	32.51	-80.81	-1,358.12	-307.46	5,683.76	5,571.98	111.78	50.848		
13,500.00	6,957.28	6,850.00	6,648.21	188.91	32.51	-80.81	-1,358.12	-307.46	5,775.68	5,663.92	111.76	51.679		
13,600.00	6,956.32	6,850.00	6,648.21	191.70	32.51	-80.81	-1,358.12	-307.46	5,867.87	5,756.12	111.74	52.513		
13,700.00	6,955.35	6,850.00	6,648.21	194.49	32.51	-80.81	-1,358.12	-307.46	5,960.30	5,848.58	111.72	53.350		
13,800.00	6,954.39	6,850.00	6,648.21	197.29	32.51	-80.81	-1,358.12	-307.46	6,052.98	5,941.28	111.70	54.190		
13,900.00	6,953.43	6,850.00	6,648.21	200.08	32.51	-80.81	-1,358.12	-307.46	6,145.89	6,034.21	111.68	55.033		
14,000.00	6,952.46	6,850.00	6,648.21	202.88	32.51	-80.81	-1,358.12	-307.46	6,239.02	6,127.37	111.65	55.878		
14,100.00	6,951.50	6,850.00	6,648.21	205.68	32.51	-80.81	-1,358.12	-307.46	6,332.36	6,220.73	111.63	56.726		
14,200.00	6,950.53	6,850.00	6,648.21	208.48	32.51	-80.81	-1,358.12	-307.46	6,425.89	6,314.29	111.61	57.576		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	6,827.28	6,625.54	211.28	32.43	-80.24	-1,358.12	-309.05	6,519.20	6,407.68	111.52	58.457		
14,400.00	6,948.60	6,826.72	6,624.98	214.08	32.43	-80.23	-1,358.12	-309.08	6,613.09	6,501.59	111.50	59.312		
14,500.00	6,947.64	6,826.17	6,624.43	216.88	32.42	-80.21	-1,358.12	-309.11	6,707.16	6,595.68	111.47	60.168		
14,600.00	6,946.67	6,825.63	6,623.90	219.68	32.42	-80.20	-1,358.12	-309.14	6,801.39	6,689.94	111.45	61.027		
14,700.00	6,945.71	6,825.12	6,623.38	222.49	32.42	-80.19	-1,358.12	-309.16	6,895.79	6,784.37	111.43	61.887		
14,800.00	6,944.74	6,824.61	6,622.88	225.29	32.42	-80.17	-1,358.12	-309.19	6,990.35	6,878.94	111.40	62.748		
14,900.00	6,943.78	6,824.12	6,622.39	228.10	32.42	-80.16	-1,358.12	-309.21	7,085.05	6,973.67	111.38	63.611		
15,000.00	6,942.81	6,823.64	6,621.91	230.90	32.41	-80.15	-1,358.12	-309.23	7,179.89	7,068.54	111.36	64.475		
15,100.00	6,941.85	6,823.18	6,621.45	233.71	32.41	-80.14	-1,358.12	-309.25	7,274.88	7,163.54	111.34	65.340		
15,200.00	6,940.88	6,822.72	6,620.99	236.52	32.41	-80.13	-1,358.12	-309.27	7,369.99	7,258.68	111.32	66.207		
15,300.00	6,939.92	6,800.00	6,598.28	239.32	32.33	-79.56	-1,358.12	-309.89	7,465.65	7,354.42	111.23	67.118		
15,400.00	6,938.95	6,800.00	6,598.28	242.13	32.33	-79.56	-1,358.12	-309.89	7,561.00	7,449.78	111.21	67.986		
15,500.00	6,937.99	6,800.00	6,598.28	244.94	32.33	-79.56	-1,358.12	-309.89	7,656.47	7,545.27	111.20	68.854		
15,600.00	6,937.02	6,800.00	6,598.28	247.75	32.33	-79.56	-1,358.12	-309.89	7,752.05	7,640.87	111.18	69.724		
15,706.13	6,936.00	6,800.00	6,598.28	250.74	32.33	-79.56	-1,358.12	-309.89	7,853.61	7,742.45	111.17	70.647		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.36	-149.36	-14.75	150.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.36	-149.36	-14.75	150.09	143.52	6.57	22.847		
200.00	200.00	200.00	200.00	3.34	3.34	-174.36	-149.36	-14.75	150.09	143.42	6.67	22.489 CC, ES		
300.00	300.00	295.08	295.06	3.44	3.43	-174.24	-150.87	-15.21	151.72	144.83	6.89	22.025		
400.00	399.98	389.83	389.70	3.60	3.58	139.41	-155.38	-16.59	157.92	150.71	7.21	21.900 SF		
500.00	499.84	483.68	483.22	3.81	3.76	140.82	-162.79	-18.85	170.06	162.43	7.63	22.289		
600.00	599.45	576.05	574.97	4.05	3.97	142.68	-172.94	-21.94	188.26	180.13	8.12	23.171		
700.00	698.70	666.83	664.77	4.33	4.22	144.71	-185.66	-25.82	212.55	203.88	8.67	24.516		
800.00	797.47	762.16	758.87	4.64	4.51	146.83	-200.25	-30.26	241.28	232.04	9.24	26.117		
902.00	897.58	858.28	853.75	4.98	4.83	148.83	-214.97	-34.75	273.85	264.00	9.85	27.799		
1,000.00	993.42	950.06	944.34	5.33	5.16	150.80	-229.02	-39.03	306.90	296.42	10.48	29.290		
1,100.00	1,091.22	1,043.71	1,036.79	5.71	5.51	152.42	-243.36	-43.40	340.89	329.75	11.14	30.596		
1,200.00	1,189.02	1,137.36	1,129.23	6.11	5.87	153.74	-257.70	-47.77	375.08	363.24	11.83	31.697		
1,300.00	1,286.82	1,231.01	1,221.67	6.53	6.25	154.85	-272.04	-52.14	409.42	396.87	12.55	32.626		
1,400.00	1,384.62	1,324.65	1,314.11	6.95	6.64	155.78	-286.37	-56.51	443.87	430.58	13.28	33.413		
1,500.00	1,482.42	1,418.30	1,406.55	7.38	7.03	156.58	-300.71	-60.88	478.41	464.37	14.04	34.083		
1,600.00	1,580.22	1,511.95	1,499.00	7.83	7.43	157.28	-315.05	-65.25	513.02	498.22	14.80	34.656		
1,700.00	1,678.03	1,605.60	1,591.44	8.27	7.84	157.88	-329.39	-69.62	547.69	532.11	15.58	35.149		
1,800.00	1,775.83	1,700.75	1,683.88	8.72	8.26	158.41	-343.72	-73.99	582.41	566.03	16.38	35.561		
1,900.00	1,873.63	1,807.10	1,776.32	9.18	8.73	158.89	-358.06	-78.36	617.17	599.94	17.23	35.819		
2,000.00	1,971.43	1,886.55	1,866.77	9.64	9.09	159.31	-372.40	-82.73	651.96	633.99	17.98	36.267		
2,100.00	2,069.23	1,980.20	1,961.21	10.11	9.51	159.69	-386.74	-87.10	686.78	667.99	18.79	36.551		
2,200.00	2,167.03	2,073.85	2,053.65	10.57	9.93	160.03	-401.08	-91.47	721.62	702.02	19.61	36.801		
2,300.00	2,264.83	2,167.50	2,146.09	11.04	10.36	160.35	-415.41	-95.84	756.49	736.06	20.43	37.022		
2,400.00	2,362.63	2,261.15	2,238.53	11.52	10.79	160.63	-429.75	-100.21	791.37	770.11	21.26	37.219		
2,500.00	2,460.43	2,354.80	2,330.98	11.99	11.22	160.89	-444.09	-104.58	826.27	804.17	22.10	37.394		
2,600.00	2,558.23	2,448.45	2,423.42	12.47	11.65	161.13	-458.43	-108.95	861.18	838.25	22.93	37.552		
2,700.00	2,656.03	2,542.10	2,515.86	12.94	12.09	161.35	-472.76	-113.32	896.10	872.33	23.77	37.694		
2,800.00	2,753.83	2,635.75	2,608.30	13.42	12.52	161.56	-487.10	-117.69	931.04	906.42	24.62	37.822		
2,900.00	2,851.63	2,729.40	2,700.75	13.90	12.96	161.75	-501.44	-122.06	965.98	940.52	25.46	37.937		
3,000.00	2,949.43	2,823.05	2,793.19	14.38	13.40	161.92	-515.78	-126.43	1,000.94	974.63	26.31	38.043		
3,100.00	3,047.23	2,916.70	2,885.63	14.87	13.84	162.09	-530.12	-130.80	1,035.90	1,008.74	27.16	38.138		
3,200.00	3,145.03	3,010.35	2,978.07	15.35	14.28	162.24	-544.45	-135.17	1,070.87	1,042.85	28.01	38.226		
3,300.00	3,242.83	3,104.00	3,070.51	15.83	14.72	162.39	-558.79	-139.54	1,105.84	1,076.97	28.87	38.306		
3,400.00	3,340.63	3,202.35	3,162.96	16.32	15.18	162.52	-573.13	-143.91	1,140.82	1,111.07	29.75	38.352		
3,500.00	3,438.43	3,308.70	3,255.40	16.80	15.68	162.65	-587.47	-148.28	1,175.81	1,145.14	30.66	38.349		
3,600.00	3,536.23	3,384.94	3,347.84	17.29	16.04	162.77	-601.80	-152.65	1,210.80	1,179.35	31.44	38.510		
3,700.00	3,634.03	3,478.59	3,440.28	17.78	16.49	162.88	-616.14	-157.02	1,245.79	1,213.49	32.30	38.568		
3,800.00	3,731.83	3,572.24	3,532.73	18.26	16.93	162.99	-630.48	-161.39	1,280.79	1,247.62	33.16	38.621		
3,900.00	3,829.63	3,665.89	3,625.17	18.75	17.37	163.09	-644.82	-165.76	1,315.79	1,281.76	34.03	38.671		
4,000.00	3,927.43	3,759.54	3,717.61	19.24	17.82	163.18	-659.16	-170.13	1,350.80	1,315.91	34.89	38.717		
4,100.00	4,025.23	3,853.19	3,810.05	19.73	18.26	163.28	-673.49	-174.50	1,385.80	1,350.05	35.75	38.760		
4,200.00	4,123.03	3,946.84	3,902.49	20.22	18.71	163.36	-687.83	-178.87	1,420.82	1,384.20	36.62	38.800		
4,300.00	4,220.83	4,040.49	3,994.94	20.71	19.15	163.44	-702.17	-183.24	1,455.83	1,418.34	37.49	38.837		
4,400.00	4,318.63	4,134.14	4,087.38	21.20	19.60	163.52	-716.51	-187.61	1,490.85	1,452.49	38.35	38.872		
4,500.00	4,416.43	4,227.79	4,179.82	21.69	20.05	163.60	-730.85	-191.98	1,525.87	1,486.65	39.22	38.905		
4,600.00	4,514.23	4,321.44	4,272.26	22.18	20.49	163.67	-745.18	-196.35	1,560.89	1,520.80	40.09	38.935		
4,700.00	4,612.03	4,415.09	4,364.71	22.67	20.94	163.74	-759.52	-200.72	1,595.91	1,554.95	40.96	38.964		
4,800.00	4,709.83	4,508.74	4,457.15	23.16	21.39	163.80	-773.86	-205.09	1,630.94	1,589.11	41.83	38.991		
4,900.00	4,807.63	4,602.39	4,549.59	23.65	21.83	163.87	-788.20	-209.46	1,665.96	1,623.26	42.70	39.016		
5,000.00	4,905.43	4,703.96	4,642.03	24.14	22.32	163.93	-802.53	-213.83	1,700.99	1,657.39	43.61	39.008		
5,100.00	5,003.23	4,789.69	4,734.48	24.63	22.73	163.98	-816.87	-218.20	1,736.02	1,691.58	44.44	39.063		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	4,883.34	4,826.92	25.12	23.18	164.04	-831.21	-222.57	1,771.05	1,725.74	45.31	39.084		
5,300.00	5,198.83	4,976.99	4,919.36	25.62	23.63	164.09	-845.55	-226.94	1,806.09	1,759.90	46.19	39.104		
5,400.00	5,296.63	5,070.64	5,011.80	26.11	24.07	164.14	-859.89	-231.30	1,841.12	1,794.06	47.06	39.123		
5,500.00	5,394.43	5,164.29	5,104.24	26.60	24.52	164.19	-874.22	-235.67	1,876.16	1,828.23	47.93	39.141		
5,600.00	5,492.23	5,257.94	5,196.69	27.09	24.97	164.24	-888.56	-240.04	1,911.20	1,862.39	48.81	39.158		
5,700.00	5,590.03	5,351.58	5,289.13	27.58	25.42	164.29	-902.90	-244.41	1,946.23	1,896.55	49.68	39.175		
5,800.00	5,687.83	5,445.23	5,381.57	28.08	25.87	164.33	-917.24	-248.78	1,981.27	1,930.72	50.56	39.190		
5,900.00	5,785.63	5,538.88	5,474.01	28.57	26.32	164.37	-931.57	-253.15	2,016.31	1,964.88	51.43	39.204		
6,000.00	5,883.43	5,632.53	5,566.46	29.06	26.77	164.42	-945.91	-257.52	2,051.35	1,999.05	52.31	39.218		
6,100.00	5,981.23	5,726.18	5,658.90	29.56	27.22	164.46	-960.25	-261.89	2,086.40	2,033.21	53.18	39.231		
6,200.00	6,079.04	5,824.95	5,758.34	30.05	27.67	135.88	-1,150.15	854.76	2,111.43	2,045.19	66.24	31.878		
6,300.00	6,176.84	5,922.75	5,856.13	30.54	28.12	135.45	-1,150.13	870.29	2,088.87	2,020.67	68.20	30.628		
6,409.71	6,284.13	6,030.56	5,964.43	31.08	28.57	134.98	-1,150.11	887.33	2,069.28	1,999.03	70.25	29.457		
6,450.00	6,323.71	6,070.96	6,004.83	31.28	28.77	148.46	-1,150.10	892.33	2,063.39	1,992.45	70.94	29.087		
6,500.00	6,373.15	6,119.39	6,053.25	31.50	28.97	175.32	-1,150.10	895.00	2,056.93	1,985.25	71.69	28.694		
6,550.00	6,422.65	6,168.83	6,102.69	31.70	29.17	-154.06	-1,150.10	893.75	2,051.50	1,979.18	72.31	28.370		
6,600.00	6,471.92	6,218.27	6,152.13	31.89	29.37	-132.88	-1,150.10	888.59	2,047.11	1,974.29	72.82	28.113		
6,650.00	6,520.65	6,267.70	6,201.56	32.07	29.57	-120.66	-1,150.12	879.55	2,043.77	1,970.57	73.20	27.920		
6,700.00	6,568.54	6,317.13	6,250.99	32.25	29.77	-113.25	-1,150.13	866.68	2,041.46	1,967.99	73.47	27.787		
6,750.00	6,615.30	6,366.56	6,299.41	32.43	29.97	-108.29	-1,150.15	850.06	2,040.12	1,966.50	73.62	27.711		
6,800.00	6,660.63	6,415.99	6,348.84	32.61	30.17	-104.64	-1,150.18	829.81	2,039.67	1,966.01	73.66	27.689		
6,801.93	6,662.35	6,417.71	6,350.56	32.62	30.18	-104.52	-1,150.18	828.95	2,039.67	1,966.01	73.66	27.689		
6,850.00	6,704.26	6,459.12	6,393.07	32.80	30.37	-101.75	-1,150.21	806.03	2,040.02	1,966.42	73.60	27.716		
6,900.00	6,745.92	6,500.53	6,434.48	33.00	30.57	-99.34	-1,150.25	778.88	2,041.03	1,967.55	73.48	27.778		
6,950.00	6,785.34	6,541.94	6,475.89	33.21	30.77	-97.23	-1,150.29	748.53	2,042.57	1,969.31	73.27	27.878		
7,000.00	6,822.30	6,583.35	6,517.84	33.44	30.97	-95.36	-1,150.33	715.16	2,044.50	1,971.51	72.99	28.010		
7,050.00	6,856.55	6,624.76	6,559.25	33.69	31.17	-93.67	-1,150.38	678.98	2,046.65	1,973.95	72.69	28.155		
7,100.00	6,887.90	6,666.17	6,600.66	33.97	31.37	-92.15	-1,150.43	640.21	2,048.86	1,976.50	72.36	28.314		
7,150.00	6,916.14	6,697.58	6,632.07	34.28	31.57	-90.80	-1,150.49	599.09	2,051.00	1,978.76	72.24	28.392		
7,200.00	6,941.10	6,728.99	6,657.02	34.62	31.77	-89.61	-1,150.54	555.87	2,052.90	1,981.19	71.71	28.627		
7,250.00	6,962.63	6,759.40	6,680.43	35.00	31.97	-88.61	-1,150.60	510.82	2,054.43	1,983.03	71.41	28.771		
7,300.00	6,980.59	6,780.81	6,701.84	35.43	32.17	-87.79	-1,150.66	464.23	2,055.48	1,984.31	71.18	28.878		
7,350.00	6,994.88	6,802.22	6,723.25	35.89	32.37	-87.17	-1,150.73	416.36	2,055.95	1,984.97	70.98	28.967		
7,400.00	7,005.41	6,823.63	6,744.66	36.39	32.57	-86.76	-1,150.79	367.53	2,055.74	1,984.89	70.86	29.013		
7,450.00	7,012.10	6,845.04	6,766.07	36.93	32.77	-86.50	-1,150.69	305.79	2,054.73	1,984.09	70.64	29.086		
7,500.00	7,014.93	6,866.45	6,787.48	37.50	32.97	-86.32	-1,149.51	235.75	2,052.51	1,982.09	70.42	29.148		
7,517.56	7,015.00	6,887.86	6,808.89	37.70	33.03	-86.27	-1,148.83	211.91	2,051.43	1,981.08	70.35	29.159		
7,600.00	7,014.21	6,909.27	6,829.30	38.74	32.34	-85.40	-1,144.14	108.54	2,045.54	1,975.20	70.34	29.080		
7,700.00	7,013.24	6,929.68	6,849.71	40.15	32.13	-83.96	-1,136.37	7.32	2,037.78	1,966.96	70.82	28.775		
7,800.00	7,012.28	6,949.09	6,869.12	41.71	31.97	-82.41	-1,128.04	-67.58	2,030.60	1,958.90	71.70	28.322		
7,900.00	7,011.31	6,968.50	6,888.53	43.40	31.81	-80.95	-1,120.20	-121.26	2,025.17	1,952.31	72.86	27.795		
8,000.00	7,010.35	6,987.91	6,907.94	45.21	31.67	-79.66	-1,113.27	-159.55	2,022.42	1,948.19	74.23	27.244		
8,034.16	7,010.02	6,999.32	6,919.35	45.86	31.62	-79.26	-1,111.13	-169.98	2,022.22	1,947.47	74.75	27.053		
8,100.00	7,009.38	7,010.79	6,930.82	47.12	31.54	-78.55	-1,107.32	-187.13	2,023.00	1,947.25	75.76	26.704		
8,200.00	7,008.42	7,021.20	6,941.23	49.12	31.42	-77.61	-1,102.26	-207.34	2,027.35	1,949.97	77.39	26.198		
8,300.00	7,007.45	7,031.61	6,951.64	51.21	31.32	-76.81	-1,097.95	-222.41	2,035.74	1,956.66	79.08	25.743		
8,400.00	7,006.49	7,042.02	6,962.05	53.36	31.24	-76.13	-1,094.27	-233.88	2,048.34	1,967.54	80.80	25.351		
8,500.00	7,005.52	7,052.43	6,972.46	55.57	31.16	-75.55	-1,091.11	-242.76	2,065.22	1,982.70	82.52	25.028		
8,600.00	7,004.56	7,062.84	6,982.87	57.84	31.09	-75.04	-1,088.38	-249.75	2,086.38	2,002.17	84.20	24.778		
8,700.00	7,003.59	7,073.25	6,993.28	60.16	31.03	-74.56	-1,085.77	-255.86	2,111.77	2,025.95	85.82	24.608		
8,800.00	7,002.63	7,083.66	6,993.69	62.52	30.98	-74.22	-1,083.92	-259.86	2,141.29	2,053.89	87.40	24.500		
8,900.00	7,001.66	7,094.07	6,994.10	64.92	30.93	-73.88	-1,082.08	-263.57	2,174.83	2,085.95	88.88	24.469		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,513.47	6,434.17	67.35	30.89	-73.58	-1,080.44	-266.64	2,212.23	2,121.96	90.27	24.507		
9,100.00	6,999.73	6,500.00	6,421.31	69.81	30.84	-73.22	-1,078.45	-270.11	2,253.33	2,161.81	91.52	24.621		
9,200.00	6,998.77	6,500.00	6,421.31	72.31	30.84	-73.22	-1,078.45	-270.11	2,297.94	2,205.12	92.82	24.757		
9,300.00	6,997.80	6,500.00	6,421.31	74.82	30.84	-73.22	-1,078.45	-270.11	2,345.98	2,251.97	94.00	24.956		
9,400.00	6,996.84	6,479.54	6,401.63	77.36	30.76	-72.67	-1,075.41	-274.86	2,396.95	2,302.10	94.85	25.271		
9,500.00	6,995.88	6,472.99	6,395.32	79.92	30.74	-72.49	-1,074.43	-276.24	2,450.98	2,355.23	95.75	25.597		
9,600.00	6,994.91	6,467.03	6,389.54	82.49	30.71	-72.33	-1,073.54	-277.44	2,507.79	2,411.22	96.57	25.969		
9,700.00	6,993.95	6,450.00	6,373.00	85.09	30.65	-71.86	-1,070.98	-280.56	2,567.29	2,470.12	97.17	26.420		
9,800.00	6,992.98	6,450.00	6,373.00	87.70	30.65	-71.86	-1,070.98	-280.56	2,629.06	2,531.17	97.89	26.858		
9,900.00	6,992.02	6,450.00	6,373.00	90.32	30.65	-71.86	-1,070.98	-280.56	2,693.12	2,594.60	98.52	27.335		
10,000.00	6,991.05	6,450.00	6,373.00	92.95	30.65	-71.86	-1,070.98	-280.56	2,759.33	2,660.24	99.09	27.847		
10,100.00	6,990.09	6,450.00	6,373.00	95.60	30.65	-71.86	-1,070.98	-280.56	2,827.51	2,727.93	99.59	28.392		
10,200.00	6,989.12	6,450.00	6,373.00	98.26	30.65	-71.86	-1,070.98	-280.56	2,897.55	2,797.52	100.03	28.967		
10,300.00	6,988.16	6,450.00	6,373.00	100.92	30.65	-71.86	-1,070.98	-280.56	2,969.30	2,868.88	100.42	29.569		
10,400.00	6,987.19	6,450.00	6,373.00	103.60	30.65	-71.86	-1,070.98	-280.56	3,042.65	2,941.89	100.76	30.198		
10,500.00	6,986.23	6,430.34	6,353.80	106.28	30.56	-71.32	-1,068.01	-283.62	3,117.18	3,016.31	100.86	30.905		
10,600.00	6,985.26	6,427.52	6,351.04	108.98	30.55	-71.25	-1,067.58	-284.01	3,193.29	3,092.19	101.10	31.586		
10,700.00	6,984.30	6,424.86	6,348.44	111.68	30.54	-71.18	-1,067.18	-284.36	3,270.67	3,169.37	101.30	32.287		
10,800.00	6,983.33	6,422.36	6,346.00	114.38	30.53	-71.11	-1,066.80	-284.68	3,349.25	3,247.77	101.48	33.005		
10,900.00	6,982.37	6,420.01	6,343.68	117.09	30.52	-71.04	-1,066.44	-284.98	3,428.93	3,327.31	101.62	33.741		
11,000.00	6,981.40	6,400.00	6,324.03	119.81	30.43	-70.50	-1,063.40	-287.15	3,509.90	3,408.32	101.58	34.554		
11,100.00	6,980.44	6,400.00	6,324.03	122.54	30.43	-70.50	-1,063.40	-287.15	3,591.52	3,489.81	101.71	35.312		
11,200.00	6,979.47	6,400.00	6,324.03	125.26	30.43	-70.50	-1,063.40	-287.15	3,674.05	3,572.23	101.82	36.085		
11,300.00	6,978.51	6,400.00	6,324.03	128.00	30.43	-70.50	-1,063.40	-287.15	3,757.43	3,655.52	101.91	36.870		
11,400.00	6,977.54	6,400.00	6,324.03	130.73	30.43	-70.50	-1,063.40	-287.15	3,841.60	3,739.61	101.99	37.668		
11,500.00	6,976.58	6,400.00	6,324.03	133.48	30.43	-70.50	-1,063.40	-287.15	3,926.51	3,824.46	102.05	38.477		
11,600.00	6,975.62	6,400.00	6,324.03	136.22	30.43	-70.50	-1,063.40	-287.15	4,012.12	3,910.02	102.10	39.296		
11,700.00	6,974.65	6,400.00	6,324.03	138.97	30.43	-70.50	-1,063.40	-287.15	4,098.38	3,996.24	102.14	40.125		
11,800.00	6,973.69	6,400.00	6,324.03	141.73	30.43	-70.50	-1,063.40	-287.15	4,185.25	4,083.08	102.17	40.963		
11,900.00	6,972.72	6,400.00	6,324.03	144.48	30.43	-70.50	-1,063.40	-287.15	4,272.70	4,170.51	102.19	41.810		
12,000.00	6,971.76	6,400.00	6,324.03	147.24	30.43	-70.50	-1,063.40	-287.15	4,360.69	4,258.48	102.21	42.664		
12,100.00	6,970.79	6,400.00	6,324.03	150.00	30.43	-70.50	-1,063.40	-287.15	4,449.18	4,346.96	102.22	43.526		
12,200.00	6,969.83	6,400.00	6,324.03	152.77	30.43	-70.50	-1,063.40	-287.15	4,538.15	4,435.93	102.22	44.394		
12,300.00	6,968.86	6,400.00	6,324.03	155.54	30.43	-70.50	-1,063.40	-287.15	4,627.58	4,525.35	102.22	45.270		
12,400.00	6,967.90	6,400.00	6,324.03	158.31	30.43	-70.50	-1,063.40	-287.15	4,717.42	4,615.21	102.22	46.151		
12,500.00	6,966.93	6,400.00	6,324.03	161.08	30.43	-70.50	-1,063.40	-287.15	4,807.67	4,705.46	102.21	47.037		
12,600.00	6,965.97	6,400.00	6,324.03	163.85	30.43	-70.50	-1,063.40	-287.15	4,898.30	4,796.10	102.20	47.929		
12,700.00	6,965.00	6,400.00	6,324.03	166.63	30.43	-70.50	-1,063.40	-287.15	4,989.28	4,887.10	102.18	48.826		
12,800.00	6,964.04	6,400.00	6,324.03	169.41	30.43	-70.50	-1,063.40	-287.15	5,080.61	4,978.44	102.17	49.728		
12,900.00	6,963.07	6,400.00	6,324.03	172.19	30.43	-70.50	-1,063.40	-287.15	5,172.25	5,070.10	102.15	50.634		
13,000.00	6,962.11	6,400.00	6,324.03	174.97	30.43	-70.50	-1,063.40	-287.15	5,264.20	5,162.07	102.13	51.544		
13,100.00	6,961.14	6,400.00	6,324.03	177.76	30.43	-70.50	-1,063.40	-287.15	5,356.44	5,254.33	102.11	52.457		
13,200.00	6,960.18	6,400.00	6,324.03	180.54	30.43	-70.50	-1,063.40	-287.15	5,448.95	5,346.86	102.09	53.375		
13,300.00	6,959.21	6,400.00	6,324.03	183.33	30.43	-70.50	-1,063.40	-287.15	5,541.72	5,439.66	102.07	54.295		
13,400.00	6,958.25	6,400.00	6,324.03	186.12	30.43	-70.50	-1,063.40	-287.15	5,634.74	5,532.70	102.04	55.219		
13,500.00	6,957.28	6,400.00	6,324.03	188.91	30.43	-70.50	-1,063.40	-287.15	5,727.99	5,625.97	102.02	56.145		
13,600.00	6,956.32	6,400.00	6,324.03	191.70	30.43	-70.50	-1,063.40	-287.15	5,821.47	5,719.48	102.00	57.074		
13,700.00	6,955.35	6,400.00	6,324.03	194.49	30.43	-70.50	-1,063.40	-287.15	5,915.16	5,813.19	101.97	58.006		
13,800.00	6,954.39	6,400.00	6,324.03	197.29	30.43	-70.50	-1,063.40	-287.15	6,009.06	5,907.11	101.95	58.940		
13,900.00	6,953.43	6,400.00	6,324.03	200.08	30.43	-70.50	-1,063.40	-287.15	6,103.15	6,001.22	101.93	59.876		
14,000.00	6,952.46	6,400.00	6,324.03	202.88	30.43	-70.50	-1,063.40	-287.15	6,197.42	6,095.51	101.91	60.814		
14,100.00	6,951.50	6,400.00	6,324.03	205.68	30.43	-70.50	-1,063.40	-287.15	6,291.87	6,189.99	101.89	61.754		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 28N-3A-L - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	6,400.00	6,324.03	208.48	30.43	-70.50	-1,063.40	-287.15	6,386.49	6,284.63	101.86	62.696	
14,300.00	6,949.57	6,400.00	6,324.03	211.28	30.43	-70.50	-1,063.40	-287.15	6,481.27	6,379.43	101.84	63.640	
14,400.00	6,948.60	6,400.00	6,324.03	214.08	30.43	-70.50	-1,063.40	-287.15	6,576.21	6,474.39	101.82	64.584	
14,500.00	6,947.64	6,400.00	6,324.03	216.88	30.43	-70.50	-1,063.40	-287.15	6,671.29	6,569.49	101.80	65.531	
14,600.00	6,946.67	6,400.00	6,324.03	219.68	30.43	-70.50	-1,063.40	-287.15	6,766.52	6,664.73	101.79	66.478	
14,700.00	6,945.71	6,400.00	6,324.03	222.49	30.43	-70.50	-1,063.40	-287.15	6,861.88	6,760.11	101.77	67.427	
14,800.00	6,944.74	6,400.00	6,324.03	225.29	30.43	-70.50	-1,063.40	-287.15	6,957.37	6,855.62	101.75	68.376	
14,900.00	6,943.78	6,377.10	6,301.46	228.10	30.33	-69.87	-1,059.91	-288.86	7,052.55	6,950.99	101.56	69.440	
15,000.00	6,942.81	6,376.60	6,300.98	230.90	30.33	-69.86	-1,059.83	-288.89	7,148.27	7,046.72	101.55	70.395	
15,100.00	6,941.85	6,376.12	6,300.50	233.71	30.33	-69.84	-1,059.76	-288.91	7,244.10	7,142.57	101.53	71.350	
15,200.00	6,940.88	6,375.65	6,300.04	236.52	30.32	-69.83	-1,059.69	-288.94	7,340.04	7,238.53	101.51	72.307	
15,300.00	6,939.92	6,375.19	6,299.58	239.32	30.32	-69.82	-1,059.62	-288.96	7,436.09	7,334.60	101.50	73.264	
15,400.00	6,938.95	6,374.75	6,299.14	242.13	30.32	-69.81	-1,059.55	-288.99	7,532.25	7,430.76	101.48	74.221	
15,500.00	6,937.99	6,374.31	6,298.71	244.94	30.32	-69.79	-1,059.48	-289.01	7,628.50	7,527.03	101.47	75.179	
15,600.00	6,937.02	6,373.89	6,298.29	247.75	30.32	-69.78	-1,059.42	-289.03	7,724.84	7,623.38	101.46	76.137	
15,706.13	6,936.00	6,373.45	6,297.86	250.74	30.31	-69.77	-1,059.35	-289.05	7,827.19	7,725.75	101.45	77.154	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.32	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 CC		
300.00	300.00	299.56	299.54	3.44	3.44	9.15	16.17	2.60	16.38	9.49	6.90	2.376		
400.00	399.98	398.97	398.81	3.60	3.60	-32.08	19.86	6.23	19.35	12.12	7.23	2.676		
500.00	499.84	498.27	497.73	3.81	3.81	-28.24	26.00	12.27	22.51	14.85	7.66	2.937		
600.00	599.45	597.45	596.17	4.05	4.06	-25.67	34.56	20.69	25.79	17.61	8.18	3.152		
700.00	698.70	696.51	694.03	4.33	4.34	-23.98	45.54	31.48	29.13	20.36	8.76	3.324		
800.00	797.47	795.46	791.18	4.64	4.65	-22.90	58.90	44.63	32.51	23.11	9.40	3.457		
902.00	897.58	902.81	890.57	4.98	5.02	-22.86	74.36	59.82	34.96	24.86	10.10	3.462		
1,000.00	993.42	1,004.82	986.30	5.33	5.40	-23.88	89.30	74.52	35.79	24.99	10.80	3.314		
1,100.00	1,091.22	1,104.82	1,083.98	5.71	5.79	-24.87	104.55	89.52	36.65	25.10	11.54	3.175		
1,200.00	1,189.02	1,204.83	1,181.66	6.11	6.20	-25.82	119.80	104.51	37.51	25.20	12.32	3.046		
1,300.00	1,286.82	1,304.84	1,279.34	6.53	6.62	-26.72	135.05	119.51	38.39	25.27	13.12	2.926		
1,400.00	1,384.62	1,404.84	1,377.02	6.95	7.05	-27.59	150.30	134.50	39.28	25.34	13.94	2.817		
1,500.00	1,482.42	1,504.85	1,474.70	7.38	7.49	-28.41	165.55	149.50	40.17	25.39	14.78	2.717		
1,600.00	1,580.22	1,604.85	1,572.38	7.83	7.93	-29.20	180.79	164.49	41.08	25.43	15.64	2.626		
1,700.00	1,678.03	1,704.86	1,670.06	8.27	8.39	-29.96	196.04	179.49	41.99	25.47	16.51	2.543		
1,800.00	1,775.83	1,795.14	1,767.74	8.72	8.80	-30.68	211.29	194.49	42.90	25.55	17.35	2.472		
1,900.00	1,873.63	1,904.87	1,865.42	9.18	9.31	-31.37	226.54	209.48	43.83	25.54	18.29	2.396		
2,000.00	1,971.43	1,995.12	1,963.10	9.64	9.73	-32.04	241.79	224.48	44.76	25.61	19.15	2.338		
2,100.00	2,069.23	2,104.88	2,060.78	10.11	10.24	-32.67	257.04	239.47	45.69	25.59	20.10	2.273		
2,200.00	2,167.03	2,204.89	2,158.46	10.57	10.71	-33.29	272.29	254.47	46.63	25.62	21.02	2.219		
2,300.00	2,264.83	2,304.89	2,256.14	11.04	11.19	-33.87	287.54	269.46	47.58	25.64	21.94	2.169		
2,400.00	2,362.63	2,404.90	2,353.83	11.52	11.66	-34.44	302.79	284.46	48.53	25.67	22.86	2.123		
2,500.00	2,460.43	2,495.10	2,451.51	11.99	12.09	-34.98	318.04	299.46	49.49	25.74	23.75	2.084		
2,600.00	2,558.23	2,604.91	2,549.19	12.47	12.62	-35.50	333.29	314.45	50.45	25.72	24.73	2.040		
2,700.00	2,656.03	2,704.91	2,646.87	12.94	13.10	-36.00	348.54	329.45	51.41	25.74	25.67	2.003		
2,800.00	2,753.83	2,804.92	2,744.55	13.42	13.58	-36.49	363.78	344.44	52.38	25.77	26.61	1.968		
2,900.00	2,851.63	2,904.93	2,842.23	13.90	14.06	-36.95	379.03	359.44	53.35	25.79	27.56	1.936		
3,000.00	2,949.43	3,004.93	2,939.91	14.38	14.55	-37.40	394.28	374.43	54.33	25.82	28.51	1.906		
3,100.00	3,047.23	3,104.94	3,037.59	14.87	15.03	-37.84	409.53	389.43	55.30	25.84	29.46	1.877		
3,200.00	3,145.03	3,204.94	3,135.27	15.35	15.52	-38.25	424.78	404.43	56.28	25.87	30.41	1.851		
3,300.00	3,242.83	3,295.05	3,232.95	15.83	15.96	-38.66	440.03	419.42	57.27	25.95	31.32	1.828		
3,400.00	3,340.63	3,404.95	3,330.63	16.32	16.49	-39.05	455.28	434.42	58.26	25.93	32.33	1.802		
3,500.00	3,438.43	3,504.96	3,428.31	16.80	16.98	-39.43	470.53	449.41	59.24	25.96	33.29	1.780		
3,600.00	3,536.23	3,595.03	3,525.99	17.29	17.42	-39.79	485.78	464.41	60.24	26.04	34.20	1.761		
3,700.00	3,634.03	3,704.97	3,623.67	17.78	17.96	-40.14	501.03	479.40	61.23	26.02	35.21	1.739		
3,800.00	3,731.83	3,804.98	3,721.35	18.26	18.45	-40.49	516.28	494.40	62.23	26.05	36.17	1.720		
3,900.00	3,829.63	3,904.98	3,819.03	18.75	18.94	-40.82	531.52	509.40	63.23	26.09	37.14	1.702		
4,000.00	3,927.43	3,995.01	3,916.71	19.24	19.38	-41.14	546.77	524.39	64.23	26.17	38.06	1.688		
4,100.00	4,025.23	4,104.99	4,014.39	19.73	19.92	-41.45	562.02	539.39	65.23	26.16	39.07	1.669		
4,200.00	4,123.03	4,205.00	4,112.07	20.22	20.42	-41.75	577.27	554.38	66.23	26.19	40.04	1.654		
4,300.00	4,220.83	4,305.00	4,209.75	20.71	20.91	-42.04	592.52	569.38	67.24	26.23	41.01	1.640		
4,400.00	4,318.63	4,394.99	4,307.43	21.20	21.35	-42.33	607.77	584.37	68.25	26.32	41.93	1.628		
4,500.00	4,416.43	4,505.02	4,405.11	21.69	21.89	-42.60	623.02	599.37	69.26	26.31	42.95	1.612		
4,600.00	4,514.23	4,605.02	4,502.79	22.18	22.38	-42.87	638.27	614.37	70.27	26.34	43.92	1.600		
4,700.00	4,612.03	4,705.03	4,600.47	22.67	22.88	-43.13	653.52	629.36	71.28	26.38	44.90	1.588		
4,800.00	4,709.83	4,805.03	4,698.16	23.16	23.37	-43.38	668.77	644.36	72.29	26.42	45.87	1.576		
4,900.00	4,807.63	4,905.04	4,795.84	23.65	23.86	-43.63	684.02	659.35	73.31	26.47	46.84	1.565		
5,000.00	4,905.43	5,005.04	4,893.52	24.14	24.36	-43.87	699.26	674.35	74.33	26.51	47.82	1.554		
5,100.00	5,003.23	5,105.05	4,991.20	24.63	24.85	-44.10	714.51	689.34	75.34	26.55	48.79	1.544		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,194.94	5,088.88	25.12	25.30	-44.33	729.76	704.34	76.36	26.64	49.72	1.536		
5,300.00	5,198.83	5,294.94	5,186.56	25.62	25.79	-44.55	745.01	719.34	77.38	26.69	50.70	1.526		
5,400.00	5,296.63	5,394.93	5,284.24	26.11	26.29	-44.76	760.26	734.33	78.40	26.73	51.67	1.517		
5,500.00	5,394.43	5,505.07	5,381.92	26.60	26.83	-44.97	775.51	749.33	79.43	26.73	52.70	1.507		
5,600.00	5,492.23	5,605.08	5,479.60	27.09	27.33	-45.17	790.76	764.32	80.45	26.77	53.68	1.499 Level 3		
5,700.00	5,590.03	5,705.08	5,577.28	27.58	27.82	-45.37	806.01	779.32	81.48	26.82	54.66	1.491 Level 3		
5,800.00	5,687.83	5,805.09	5,674.96	28.08	28.32	-45.57	821.26	794.32	82.50	26.87	55.64	1.483 Level 3		
5,900.00	5,785.63	5,894.90	5,772.64	28.57	28.76	-45.76	836.51	809.31	83.53	26.96	56.56	1.477 Level 3		
6,000.00	5,883.43	5,994.90	5,870.32	29.06	29.26	-45.94	851.76	824.31	84.55	27.01	57.54	1.469 Level 3		
6,100.00	5,981.23	6,105.11	5,968.00	29.56	29.80	-46.12	867.01	839.30	85.58	27.01	58.57	1.461 Level 3		
6,200.00	6,079.04	6,205.11	6,065.68	30.05	30.30	-46.30	882.25	854.30	86.61	27.06	59.55	1.454 Level 3		
6,300.00	6,176.84	6,305.12	6,163.36	30.54	30.79	-46.47	897.50	869.29	87.64	27.11	60.53	1.448 Level 3		
6,409.71	6,284.13	6,404.58	6,270.52	31.08	31.29	-46.65	914.23	885.75	88.77	27.21	61.56	1.442 Level 3		
6,450.00	6,323.71	6,444.85	6,309.86	31.28	31.49	-31.79	920.37	891.78	89.25	27.33	61.91	1.441 Level 3		
6,500.00	6,373.15	6,494.58	6,358.44	31.50	31.73	-1.21	927.96	899.24	90.18	27.93	62.24	1.449 Level 3		
6,550.00	6,422.65	6,544.04	6,406.76	31.70	31.98	35.08	935.50	906.59	92.07	29.61	62.45	1.474 Level 3		
6,600.00	6,471.92	6,594.84	6,456.73	31.89	32.21	62.25	943.19	911.44	95.13	32.49	62.64	1.519		
6,650.00	6,520.65	6,646.50	6,507.79	32.07	32.44	79.80	950.89	912.23	99.12	36.34	62.77	1.579		
6,700.00	6,568.54	6,699.06	6,559.66	32.25	32.64	91.84	958.55	908.74	103.86	41.07	62.79	1.654		
6,750.00	6,615.30	6,752.54	6,611.98	32.43	32.84	100.72	966.10	900.76	109.17	46.58	62.59	1.744		
6,800.00	6,660.63	6,806.96	6,664.38	32.61	33.03	107.60	973.49	888.12	114.87	52.76	62.11	1.849		
6,850.00	6,704.26	6,862.33	6,716.43	32.80	33.23	113.08	980.63	870.68	120.79	59.48	61.31	1.970		
6,900.00	6,745.92	6,918.66	6,767.65	33.00	33.43	117.53	987.47	848.32	126.76	66.59	60.17	2.107		
6,950.00	6,785.34	6,975.93	6,817.55	33.21	33.64	121.17	993.91	821.01	132.64	73.92	58.72	2.259		
7,000.00	6,822.30	7,034.11	6,865.58	33.44	33.86	124.15	999.89	788.75	138.29	81.30	56.98	2.427		
7,050.00	6,856.55	7,093.17	6,911.16	33.69	34.10	126.59	1,005.31	751.63	143.59	88.54	55.05	2.609		
7,100.00	6,887.90	7,153.04	6,953.73	33.97	34.37	128.56	1,010.09	709.82	148.43	95.43	53.01	2.800		
7,150.00	6,916.14	7,213.65	6,992.69	34.28	34.69	130.13	1,014.17	663.60	152.74	101.74	51.00	2.995		
7,200.00	6,941.10	7,274.91	7,027.49	34.62	35.04	131.35	1,017.46	613.33	156.41	107.23	49.19	3.180		
7,250.00	6,962.63	7,336.71	7,057.61	35.00	35.45	132.24	1,019.92	559.45	159.40	111.66	47.74	3.339		
7,300.00	6,980.59	7,398.92	7,082.58	35.43	35.93	132.83	1,021.48	502.52	161.64	114.80	46.84	3.451		
7,350.00	6,994.88	7,461.42	7,102.03	35.89	36.47	133.14	1,022.12	443.16	163.10	116.47	46.64	3.497		
7,400.00	7,005.41	7,524.05	7,115.66	36.39	37.08	133.19	1,021.82	382.05	163.77	116.55	47.23	3.468		
7,450.00	7,012.10	7,586.68	7,123.29	36.93	37.73	132.97	1,020.57	319.92	163.64	115.03	48.61	3.366		
7,500.00	7,014.93	7,647.27	7,124.94	37.50	38.42	132.52	1,018.49	259.41	162.75	112.19	50.56	3.219		
7,512.20	7,015.03	7,659.47	7,124.83	37.64	38.56	132.46	1,018.01	247.22	162.66	111.80	50.86	3.198		
7,517.56	7,015.00	7,664.82	7,124.78	37.70	38.63	132.44	1,017.80	241.87	162.68	111.70	50.97	3.191		
7,600.00	7,014.21	7,747.27	7,124.06	38.74	39.69	132.30	1,014.52	159.50	163.21	110.42	52.79	3.092		
7,700.00	7,013.24	7,847.26	7,123.18	40.15	41.11	132.14	1,010.55	59.59	163.86	108.62	55.24	2.966		
7,800.00	7,012.28	7,947.26	7,122.31	41.71	42.67	131.97	1,006.58	-40.33	164.51	106.58	57.94	2.839		
7,900.00	7,011.31	8,047.26	7,121.43	43.40	44.37	131.81	1,002.60	-140.24	165.17	104.31	60.86	2.714		
8,000.00	7,010.35	8,147.25	7,120.55	45.21	46.18	131.65	998.63	-240.16	165.82	101.85	63.97	2.592		
8,100.00	7,009.38	8,247.25	7,119.67	47.12	48.09	131.49	994.66	-340.07	166.47	99.22	67.25	2.475		
8,200.00	7,008.42	8,347.25	7,118.80	49.12	50.10	131.33	990.68	-439.98	167.13	96.45	70.68	2.364		
8,300.00	7,007.45	8,447.24	7,117.92	51.21	52.18	131.17	986.71	-539.90	167.79	93.54	74.25	2.260		
8,400.00	7,006.49	8,547.24	7,117.04	53.36	54.33	131.02	982.74	-639.81	168.44	90.52	77.93	2.162		
8,500.00	7,005.52	8,647.24	7,116.16	55.57	56.54	130.86	978.76	-739.73	169.10	87.39	81.71	2.070		
8,600.00	7,004.56	8,747.23	7,115.29	57.84	58.81	130.71	974.79	-839.64	169.76	84.18	85.59	1.984		
8,700.00	7,003.59	8,847.23	7,114.41	60.16	61.12	130.56	970.82	-939.55	170.43	80.88	89.55	1.903		
8,800.00	7,002.63	8,947.23	7,113.53	62.52	63.48	130.41	966.84	-1,039.47	171.09	77.51	93.58	1.828		
8,900.00	7,001.66	9,047.22	7,112.66	64.92	65.88	130.26	962.87	-1,139.38	171.75	74.08	97.68	1.758		
9,000.00	7,000.70	9,147.22	7,111.78	67.35	68.31	130.11	958.90	-1,239.30	172.42	70.59	101.83	1.693		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	9,247.22	7,110.90	69.81	70.77	129.96	954.93	-1,339.21	173.09	67.04	106.05	1.632		
9,200.00	6,998.77	9,347.22	7,110.02	72.31	73.26	129.81	950.95	-1,439.12	173.76	63.44	110.31	1.575		
9,300.00	6,997.80	9,447.21	7,109.15	74.82	75.77	129.67	946.98	-1,539.04	174.42	59.80	114.62	1.522		
9,400.00	6,996.84	9,547.21	7,108.27	77.36	78.31	129.52	943.01	-1,638.95	175.09	56.12	118.98	1.472 Level 3		
9,500.00	6,995.88	9,647.21	7,107.39	79.92	80.86	129.38	939.03	-1,738.87	175.77	52.40	123.37	1.425 Level 3		
9,600.00	6,994.91	9,747.20	7,106.51	82.49	83.44	129.24	935.06	-1,838.78	176.44	48.64	127.80	1.381 Level 3		
9,700.00	6,993.95	9,847.20	7,105.64	85.09	86.03	129.09	931.09	-1,938.69	177.11	44.85	132.26	1.339 Level 3		
9,800.00	6,992.98	9,947.20	7,104.76	87.70	88.64	128.95	927.11	-2,038.61	177.79	41.03	136.76	1.300 Level 3		
9,900.00	6,992.02	10,047.19	7,103.88	90.32	91.26	128.82	923.14	-2,138.52	178.46	37.18	141.29	1.263 Level 3		
10,000.00	6,991.05	10,147.19	7,103.00	92.95	93.89	128.68	919.17	-2,238.44	179.14	33.30	145.84	1.228 Level 2		
10,100.00	6,990.09	10,247.19	7,102.13	95.60	96.54	128.54	915.19	-2,338.35	179.82	29.39	150.42	1.195 Level 2		
10,200.00	6,989.12	10,347.18	7,101.25	98.26	99.19	128.40	911.22	-2,438.26	180.49	25.46	155.03	1.164 Level 2		
10,300.00	6,988.16	10,447.18	7,100.37	100.92	101.86	128.27	907.25	-2,538.18	181.17	21.51	159.66	1.135 Level 2		
10,400.00	6,987.19	10,547.18	7,099.49	103.60	104.53	128.13	903.28	-2,638.09	181.86	17.54	164.32	1.107 Level 2		
10,500.00	6,986.23	10,647.17	7,098.62	106.28	107.22	128.00	899.30	-2,738.01	182.54	13.54	168.99	1.080 Level 2		
10,600.00	6,985.26	10,747.17	7,097.74	108.98	109.91	127.87	895.33	-2,837.92	183.22	9.53	173.69	1.055 Level 2		
10,700.00	6,984.30	10,847.17	7,096.86	111.68	112.61	127.74	891.36	-2,937.83	183.90	5.49	178.41	1.031 Level 2		
10,800.00	6,983.33	10,947.16	7,095.99	114.38	115.31	127.61	887.38	-3,037.75	184.59	1.44	183.15	1.008 Level 2		
10,900.00	6,982.37	11,047.16	7,095.11	117.09	118.03	127.48	883.41	-3,137.66	185.27	-2.63	187.90	0.986 Level 1		
11,000.00	6,981.40	11,147.16	7,094.23	119.81	120.74	127.35	879.44	-3,237.58	185.96	-6.72	192.67	0.965 Level 1		
11,100.00	6,980.44	11,247.15	7,093.35	122.54	123.47	127.22	875.46	-3,337.49	186.65	-10.82	197.47	0.945 Level 1		
11,200.00	6,979.47	11,347.15	7,092.48	125.26	126.20	127.10	871.49	-3,437.40	187.34	-14.94	202.27	0.926 Level 1		
11,300.00	6,978.51	11,447.15	7,091.60	128.00	128.93	126.97	867.52	-3,537.32	188.02	-19.07	207.10	0.908 Level 1		
11,400.00	6,977.54	11,547.14	7,090.72	130.73	131.67	126.85	863.54	-3,637.23	188.71	-23.22	211.93	0.890 Level 1		
11,500.00	6,976.58	11,647.14	7,089.84	133.48	134.41	126.72	859.57	-3,737.14	189.41	-27.38	216.79	0.874 Level 1		
11,600.00	6,975.62	11,747.14	7,088.97	136.22	137.16	126.60	855.60	-3,837.06	190.10	-31.56	221.66	0.858 Level 1		
11,700.00	6,974.65	11,847.13	7,088.09	138.97	139.91	126.48	851.63	-3,936.97	190.79	-35.75	226.54	0.842 Level 1		
11,800.00	6,973.69	11,947.13	7,087.21	141.73	142.66	126.36	847.65	-4,036.89	191.48	-39.95	231.43	0.827 Level 1		
11,900.00	6,972.72	12,047.13	7,086.33	144.48	145.42	126.24	843.68	-4,136.80	192.18	-44.17	236.34	0.813 Level 1		
12,000.00	6,971.76	12,147.13	7,085.46	147.24	148.18	126.12	839.71	-4,236.71	192.87	-48.39	241.27	0.799 Level 1		
12,100.00	6,970.79	12,247.12	7,084.58	150.00	150.94	126.00	835.73	-4,336.63	193.57	-52.63	246.20	0.786 Level 1		
12,200.00	6,969.83	12,347.12	7,083.70	152.77	153.71	125.88	831.76	-4,436.54	194.27	-56.88	251.15	0.774 Level 1		
12,300.00	6,968.86	12,447.12	7,082.82	155.54	156.48	125.77	827.79	-4,536.46	194.96	-61.14	256.11	0.761 Level 1		
12,400.00	6,967.90	12,547.11	7,081.95	158.31	159.25	125.65	823.81	-4,636.37	195.66	-65.41	261.08	0.749 Level 1		
12,500.00	6,966.93	12,647.11	7,081.07	161.08	162.02	125.54	819.84	-4,736.28	196.36	-69.70	266.06	0.738 Level 1		
12,600.00	6,965.97	12,747.11	7,080.19	163.85	164.80	125.42	815.87	-4,836.20	197.06	-73.99	271.05	0.727 Level 1		
12,700.00	6,965.00	12,847.10	7,079.32	166.63	167.57	125.31	811.90	-4,936.11	197.76	-78.29	276.05	0.716 Level 1		
12,800.00	6,964.04	12,947.10	7,078.44	169.41	170.35	125.20	807.92	-5,036.03	198.46	-82.60	281.07	0.706 Level 1		
12,900.00	6,963.07	13,047.10	7,077.56	172.19	173.14	125.09	803.95	-5,135.94	199.17	-86.93	286.09	0.696 Level 1		
13,000.00	6,962.11	13,147.09	7,076.68	174.97	175.92	124.98	799.98	-5,235.85	199.87	-91.26	291.13	0.687 Level 1		
13,100.00	6,961.14	13,247.09	7,075.81	177.76	178.71	124.86	796.00	-5,335.77	200.57	-95.60	296.17	0.677 Level 1		
13,200.00	6,960.18	13,347.09	7,074.93	180.54	181.49	124.76	792.03	-5,435.68	201.28	-99.95	301.22	0.668 Level 1		
13,300.00	6,959.21	13,447.08	7,074.05	183.33	184.28	124.65	788.06	-5,535.60	201.98	-104.30	306.29	0.659 Level 1		
13,400.00	6,958.25	13,547.08	7,073.17	186.12	187.07	124.54	784.08	-5,635.51	202.69	-108.67	311.36	0.651 Level 1		
13,500.00	6,957.28	13,647.08	7,072.30	188.91	189.87	124.43	780.11	-5,735.42	203.40	-113.04	316.44	0.643 Level 1		
13,600.00	6,956.32	13,747.07	7,071.42	191.70	192.66	124.33	776.14	-5,835.34	204.10	-117.43	321.53	0.635 Level 1		
13,700.00	6,955.35	13,847.07	7,070.54	194.49	195.45	124.22	772.16	-5,935.25	204.81	-121.82	326.63	0.627 Level 1		
13,800.00	6,954.39	13,947.07	7,069.66	197.29	198.25	124.12	768.19	-6,035.17	205.52	-126.22	331.74	0.620 Level 1		
13,900.00	6,953.43	14,047.06	7,068.79	200.08	201.05	124.01	764.22	-6,135.08	206.23	-130.62	336.85	0.612 Level 1		
14,000.00	6,952.46	14,147.06	7,067.91	202.88	203.85	123.91	760.25	-6,234.99	206.94	-135.03	341.98	0.605 Level 1		
14,100.00	6,951.50	14,247.06	7,067.03	205.68	206.65	123.80	756.27	-6,334.91	207.65	-139.46	347.11	0.598 Level 1		
14,200.00	6,950.53	14,347.05	7,066.15	208.48	209.45	123.70	752.30	-6,434.82	208.36	-143.88	352.25	0.592 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	14,447.05	7,065.28	211.28	212.25	123.60	748.33	-6,534.74	209.08	-148.32	357.39	0.585	Level 1	
14,400.00	6,948.60	14,547.05	7,064.40	214.08	215.05	123.50	744.35	-6,634.65	209.79	-152.76	362.55	0.579	Level 1	
14,500.00	6,947.64	14,647.04	7,063.52	216.88	217.86	123.40	740.38	-6,734.56	210.50	-157.21	367.71	0.572	Level 1	
14,600.00	6,946.67	14,747.04	7,062.65	219.68	220.66	123.30	736.41	-6,834.48	211.22	-161.66	372.88	0.566	Level 1	
14,700.00	6,945.71	14,847.04	7,061.77	222.49	223.47	123.20	732.43	-6,934.39	211.93	-166.12	378.06	0.561	Level 1	
14,800.00	6,944.74	14,947.04	7,060.89	225.29	226.27	123.10	728.46	-7,034.31	212.65	-170.59	383.24	0.555	Level 1	
14,900.00	6,943.78	15,047.03	7,060.01	228.10	229.08	123.01	724.49	-7,134.22	213.36	-175.07	388.43	0.549	Level 1	
15,000.00	6,942.81	15,147.03	7,059.14	230.90	231.89	122.91	720.51	-7,234.13	214.08	-179.55	393.63	0.544	Level 1	
15,100.00	6,941.85	15,247.03	7,058.26	233.71	234.70	122.81	716.54	-7,334.05	214.80	-184.03	398.83	0.539	Level 1	
15,200.00	6,940.88	15,347.02	7,057.38	236.52	237.51	122.72	712.57	-7,433.96	215.51	-188.52	404.04	0.533	Level 1	
15,300.00	6,939.92	15,447.02	7,056.50	239.32	240.32	122.62	708.60	-7,533.88	216.23	-193.02	409.25	0.528	Level 1	
15,400.00	6,938.95	15,547.02	7,055.63	242.13	243.13	122.53	704.62	-7,633.79	216.95	-197.53	414.48	0.523	Level 1	
15,500.00	6,937.99	15,647.01	7,054.75	244.94	245.94	122.44	700.65	-7,733.70	217.67	-202.03	419.71	0.519	Level 1	
15,600.00	6,937.02	15,747.01	7,053.87	247.75	248.75	122.34	696.68	-7,833.62	218.39	-206.55	424.94	0.514	Level 1	
15,706.13	6,936.00	15,846.35	7,053.00	250.74	251.55	122.25	692.73	-7,932.87	219.26	-210.73	429.99	0.510	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.32	29.87	2.78	30.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	29.87	2.78	30.00	23.43	6.57	4.567		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	29.87	2.78	30.00	23.33	6.67	4.495		
300.00	300.00	300.00	300.00	3.44	3.44	5.32	29.87	2.78	30.00	23.11	6.89	4.355 CC		
400.00	399.98	399.06	399.04	3.60	3.60	-42.49	31.35	3.64	30.27	23.06	7.21	4.198		
500.00	499.84	498.10	497.94	3.81	3.80	-44.83	35.79	6.22	31.11	23.48	7.63	4.078		
600.00	599.45	597.19	596.66	4.05	4.05	-48.33	43.14	10.59	32.56	24.44	8.12	4.008		
700.00	698.70	696.37	695.11	4.33	4.32	-51.89	53.01	17.25	34.32	25.64	8.68	3.953		
800.00	797.47	795.55	793.11	4.64	4.63	-55.28	65.32	26.27	36.33	27.03	9.30	3.907		
902.00	897.58	896.73	892.48	4.98	4.96	-58.53	80.38	37.91	38.63	28.65	9.98	3.870		
1,000.00	993.42	993.92	987.24	5.33	5.31	-59.48	97.22	51.38	41.90	31.21	10.69	3.920		
1,100.00	1,091.22	1,106.60	1,083.55	5.71	5.74	-57.30	116.48	67.14	46.88	35.37	11.50	4.075		
1,200.00	1,189.02	1,206.76	1,180.13	6.11	6.16	-55.21	136.06	83.21	52.13	39.83	12.30	4.238		
1,300.00	1,286.82	1,306.91	1,276.71	6.53	6.58	-53.51	155.65	99.29	57.45	44.33	13.12	4.377		
1,400.00	1,384.62	1,407.07	1,373.29	6.95	7.03	-52.10	175.24	115.36	62.81	48.84	13.97	4.496		
1,500.00	1,482.42	1,492.78	1,469.86	7.38	7.41	-50.90	194.82	131.43	68.20	53.43	14.77	4.619		
1,600.00	1,580.22	1,592.62	1,566.44	7.83	7.87	-49.89	214.41	147.50	73.61	57.97	15.64	4.707		
1,700.00	1,678.03	1,707.53	1,663.02	8.27	8.41	-49.01	234.00	163.57	79.05	62.45	16.59	4.764		
1,800.00	1,775.83	1,807.68	1,759.59	8.72	8.88	-48.25	253.58	179.64	84.50	67.01	17.49	4.831		
1,900.00	1,873.63	1,907.84	1,856.17	9.18	9.36	-47.57	273.17	195.72	89.96	71.56	18.40	4.890		
2,000.00	1,971.43	2,007.99	1,952.75	9.64	9.85	-46.98	292.76	211.79	95.44	76.12	19.31	4.941		
2,100.00	2,069.23	2,091.85	2,049.33	10.11	10.25	-46.45	312.34	227.86	100.92	80.76	20.16	5.006		
2,200.00	2,167.03	2,191.70	2,145.90	10.57	10.74	-45.97	331.93	243.93	106.41	85.33	21.09	5.047		
2,300.00	2,264.83	2,291.54	2,242.48	11.04	11.24	-45.55	351.52	260.00	111.91	89.90	22.02	5.083		
2,400.00	2,362.63	2,408.61	2,339.06	11.52	11.82	-45.16	371.10	276.07	117.42	94.38	23.03	5.097		
2,500.00	2,460.43	2,508.77	2,435.63	11.99	12.32	-44.80	390.69	292.15	122.93	98.95	23.98	5.127		
2,600.00	2,558.23	2,608.92	2,532.21	12.47	12.82	-44.48	410.28	308.22	128.44	103.52	24.92	5.154		
2,700.00	2,656.03	2,690.92	2,628.79	12.94	13.23	-44.18	429.86	324.29	133.96	108.18	25.78	5.196		
2,800.00	2,753.83	2,790.77	2,725.37	13.42	13.73	-43.91	449.45	340.36	139.48	112.75	26.73	5.218		
2,900.00	2,851.63	2,909.39	2,821.94	13.90	14.33	-43.66	469.04	356.43	145.00	117.23	27.77	5.221		
3,000.00	2,949.43	3,009.54	2,918.52	14.38	14.84	-43.42	488.63	372.50	150.53	121.80	28.73	5.239		
3,100.00	3,047.23	3,109.69	3,015.10	14.87	15.34	-43.21	508.21	388.58	156.05	126.37	29.69	5.256		
3,200.00	3,145.03	3,209.85	3,111.68	15.35	15.85	-43.00	527.80	404.65	161.59	130.94	30.65	5.272		
3,300.00	3,242.83	3,290.00	3,208.25	15.83	16.26	-42.81	547.39	420.72	167.12	135.61	31.51	5.303		
3,400.00	3,340.63	3,389.84	3,304.83	16.32	16.77	-42.64	566.97	436.79	172.65	140.18	32.47	5.317		
3,500.00	3,438.43	3,489.69	3,401.41	16.80	17.28	-42.47	586.56	452.86	178.19	144.75	33.44	5.329		
3,600.00	3,536.23	3,589.53	3,497.98	17.29	17.79	-42.32	606.15	468.93	183.72	149.32	34.40	5.341		
3,700.00	3,634.03	3,689.38	3,594.56	17.78	18.30	-42.17	625.73	485.00	189.26	153.90	35.37	5.351		
3,800.00	3,731.83	3,789.22	3,691.14	18.26	18.81	-42.03	645.32	501.08	194.80	158.47	36.33	5.361		
3,900.00	3,829.63	3,889.07	3,787.72	18.75	19.32	-41.90	664.91	517.15	200.34	163.04	37.30	5.371		
4,000.00	3,927.43	3,988.91	3,884.29	19.24	19.84	-41.78	684.49	533.22	205.88	167.61	38.27	5.380		
4,100.00	4,025.23	4,088.76	3,980.87	19.73	20.35	-41.66	704.08	549.29	211.43	172.19	39.24	5.388		
4,200.00	4,123.03	4,188.60	4,077.45	20.22	20.86	-41.55	723.67	565.36	216.97	176.76	40.21	5.396		
4,300.00	4,220.83	4,288.45	4,174.02	20.71	21.38	-41.44	743.25	581.43	222.51	181.33	41.18	5.403		
4,400.00	4,318.63	4,388.30	4,270.60	21.20	21.89	-41.34	762.84	597.51	228.06	185.90	42.15	5.410		
4,500.00	4,416.43	4,488.14	4,367.18	21.69	22.41	-41.24	782.43	613.58	233.60	190.48	43.13	5.417		
4,600.00	4,514.23	4,587.99	4,463.76	22.18	22.92	-41.15	802.01	629.65	239.15	195.05	44.10	5.423		
4,700.00	4,612.03	4,687.83	4,560.33	22.67	23.44	-41.07	821.60	645.72	244.69	199.62	45.07	5.429		
4,800.00	4,709.83	4,787.68	4,656.91	23.16	23.95	-40.98	841.19	661.79	250.24	204.19	46.05	5.434		
4,900.00	4,807.63	4,887.52	4,753.49	23.65	24.47	-40.90	860.77	677.86	255.79	208.77	47.02	5.440		
5,000.00	4,905.43	4,987.37	4,850.07	24.14	24.99	-40.83	880.36	693.94	261.34	213.34	48.00	5.445		
5,100.00	5,003.23	5,087.21	4,946.64	24.63	25.50	-40.75	899.95	710.01	266.89	217.91	48.97	5.450		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,187.06	5,043.22	25.12	26.02	-40.68	919.54	726.08	272.43	222.48	49.95	5.454		
5,300.00	5,198.83	5,286.90	5,139.80	25.62	26.54	-40.62	939.12	742.15	277.98	227.06	50.93	5.459		
5,400.00	5,296.63	5,386.75	5,236.37	26.11	27.05	-40.55	958.71	758.22	283.53	231.63	51.90	5.463		
5,500.00	5,394.43	5,486.59	5,332.95	26.60	27.57	-40.49	978.30	774.29	289.08	236.20	52.88	5.467		
5,600.00	5,492.23	5,586.44	5,429.53	27.09	28.09	-40.43	997.88	790.37	294.63	240.78	53.86	5.470		
5,700.00	5,590.03	5,686.29	5,526.11	27.58	28.61	-40.37	1,017.47	806.44	300.18	245.35	54.84	5.474		
5,800.00	5,687.83	5,786.13	5,622.68	28.08	29.12	-40.32	1,037.06	822.51	305.74	249.92	55.82	5.478		
5,900.00	5,785.63	5,885.98	5,719.26	28.57	29.64	-40.26	1,056.64	838.58	311.29	254.49	56.79	5.481		
6,000.00	5,883.43	5,985.82	5,815.84	29.06	30.16	-40.21	1,076.23	854.65	316.84	259.07	57.77	5.484		
6,100.00	5,981.23	6,085.67	5,912.41	29.56	30.68	-40.16	1,095.82	870.72	322.39	263.64	58.75	5.487		
6,200.00	6,079.04	6,185.51	6,008.99	30.05	31.20	-40.11	1,115.40	886.80	327.94	268.21	59.73	5.490		
6,300.00	6,176.84	6,285.36	6,105.57	30.54	31.71	-40.07	1,134.99	902.87	333.49	272.78	60.71	5.493		
6,409.71	6,284.13	6,394.90	6,211.52	31.08	32.28	-40.02	1,156.48	920.50	339.59	277.80	61.79	5.496		
6,450.00	6,323.71	6,438.30	6,253.69	31.28	32.50	-26.03	1,164.97	926.21	341.85	279.64	62.21	5.495		
6,500.00	6,373.15	6,492.49	6,306.76	31.50	32.75	1.23	1,175.48	929.21	344.64	281.93	62.71	5.496		
6,550.00	6,422.65	6,546.71	6,359.94	31.70	32.98	31.99	1,185.80	927.61	347.39	284.22	63.17	5.499		
6,600.00	6,471.92	6,600.91	6,412.83	31.89	33.18	53.06	1,195.86	921.41	350.09	286.48	63.61	5.504		
6,650.00	6,520.65	6,655.08	6,465.00	32.07	33.37	64.92	1,205.58	910.68	352.73	288.69	64.04	5.508		
6,700.00	6,568.54	6,709.16	6,516.05	32.25	33.55	71.74	1,214.88	895.49	355.29	290.81	64.47	5.511		
6,750.00	6,615.30	6,763.14	6,565.60	32.43	33.73	75.88	1,223.69	876.01	357.75	292.84	64.91	5.511		
6,800.00	6,660.63	6,816.99	6,613.27	32.61	33.91	78.52	1,231.96	852.40	360.11	294.75	65.36	5.510		
6,850.00	6,704.26	6,870.68	6,658.71	32.80	34.09	80.22	1,239.62	824.88	362.35	296.52	65.83	5.504		
6,900.00	6,745.92	6,924.19	6,701.61	33.00	34.28	81.31	1,246.61	793.70	364.48	298.15	66.33	5.495		
6,950.00	6,785.34	6,977.49	6,741.65	33.21	34.48	81.98	1,252.90	759.13	366.47	299.60	66.87	5.480		
7,000.00	6,822.30	7,030.55	6,778.60	33.44	34.70	82.35	1,258.45	721.46	368.32	300.86	67.46	5.460		
7,050.00	6,856.55	7,083.37	6,812.20	33.69	34.95	82.50	1,263.22	681.01	370.03	301.92	68.11	5.433		
7,100.00	6,887.90	7,135.92	6,842.29	33.97	35.22	82.47	1,267.19	638.13	371.59	302.77	68.82	5.400		
7,150.00	6,916.14	7,188.19	6,868.68	34.28	35.53	82.31	1,270.35	593.14	372.99	303.39	69.60	5.359		
7,200.00	6,941.10	7,240.17	6,891.26	34.62	35.88	82.05	1,272.69	546.40	374.23	303.79	70.45	5.312		
7,250.00	6,962.63	7,291.84	6,909.94	35.00	36.28	81.70	1,274.20	498.25	375.31	303.94	71.37	5.259		
7,300.00	6,980.59	7,343.21	6,924.66	35.43	36.72	81.29	1,274.89	449.06	376.22	303.87	72.36	5.200		
7,350.00	6,994.88	7,394.26	6,935.39	35.89	37.19	80.82	1,274.77	399.16	376.96	303.56	73.40	5.135		
7,400.00	7,005.41	7,445.00	6,942.14	36.39	37.71	80.30	1,273.85	348.89	377.53	303.03	74.50	5.067		
7,450.00	7,012.10	7,495.42	6,944.93	36.93	38.26	79.75	1,272.16	298.59	377.93	302.29	75.64	4.996		
7,500.00	7,014.93	7,545.44	6,944.69	37.50	38.85	79.30	1,269.89	248.63	378.15	301.32	76.84	4.922		
7,517.56	7,015.00	7,563.00	6,944.53	37.70	39.06	79.26	1,269.08	231.09	378.19	300.92	77.27	4.895		
7,600.00	7,014.21	7,645.44	6,943.78	38.74	40.14	79.27	1,265.28	148.74	378.31	298.87	79.44	4.762		
7,700.00	7,013.24	7,745.44	6,942.87	40.15	41.60	79.28	1,260.66	48.85	378.45	296.11	82.34	4.596		
7,800.00	7,012.28	7,845.44	6,941.96	41.71	43.20	79.29	1,256.04	-51.04	378.59	293.08	85.50	4.428		
7,900.00	7,011.31	7,945.44	6,941.04	43.40	44.92	79.31	1,251.43	-150.93	378.73	289.82	88.91	4.260		
8,000.00	7,010.35	8,045.44	6,940.13	45.21	46.77	79.32	1,246.81	-250.82	378.87	286.34	92.53	4.095		
8,100.00	7,009.38	8,145.44	6,939.22	47.12	48.71	79.33	1,242.19	-350.71	379.01	282.67	96.34	3.934		
8,200.00	7,008.42	8,245.44	6,938.31	49.12	50.73	79.34	1,237.57	-450.60	379.15	278.83	100.32	3.780		
8,300.00	7,007.45	8,345.44	6,937.40	51.21	52.84	79.36	1,232.96	-550.49	379.29	274.85	104.44	3.632		
8,400.00	7,006.49	8,445.44	6,936.49	53.36	55.01	79.37	1,228.34	-650.37	379.43	270.73	108.70	3.491		
8,500.00	7,005.52	8,545.44	6,935.57	55.57	57.24	79.38	1,223.72	-750.26	379.57	266.50	113.07	3.357		
8,600.00	7,004.56	8,645.44	6,934.66	57.84	59.52	79.39	1,219.11	-850.15	379.71	262.16	117.55	3.230		
8,700.00	7,003.59	8,745.44	6,933.75	60.16	61.85	79.40	1,214.49	-950.04	379.85	257.73	122.12	3.110		
8,800.00	7,002.63	8,845.44	6,932.84	62.52	64.22	79.42	1,209.87	-1,049.93	379.99	253.22	126.77	2.997		
8,900.00	7,001.66	8,945.44	6,931.93	64.92	66.62	79.43	1,205.25	-1,149.82	380.13	248.63	131.50	2.891		
9,000.00	7,000.70	9,045.44	6,931.02	67.35	69.06	79.44	1,200.64	-1,249.71	380.27	243.98	136.29	2.790		
9,100.00	6,999.73	9,145.44	6,930.10	69.81	71.53	79.45	1,196.02	-1,349.60	380.41	239.27	141.14	2.695		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	9,245.44	6,929.19	72.31	74.03	79.46	1,191.40	-1,449.49	380.55	234.50	146.05	2.606		
9,300.00	6,997.80	9,345.44	6,928.28	74.82	76.55	79.48	1,186.79	-1,549.38	380.70	229.69	151.00	2.521		
9,400.00	6,996.84	9,445.44	6,927.37	77.36	79.09	79.49	1,182.17	-1,649.26	380.84	224.83	156.00	2.441		
9,500.00	6,995.88	9,545.44	6,926.46	79.92	81.65	79.50	1,177.55	-1,749.15	380.98	219.94	161.04	2.366		
9,600.00	6,994.91	9,645.44	6,925.55	82.49	84.23	79.51	1,172.93	-1,849.04	381.12	215.00	166.11	2.294		
9,700.00	6,993.95	9,745.44	6,924.63	85.09	86.83	79.52	1,168.32	-1,948.93	381.26	210.04	171.22	2.227		
9,800.00	6,992.98	9,845.44	6,923.72	87.70	89.44	79.54	1,163.70	-2,048.82	381.40	205.04	176.36	2.163		
9,900.00	6,992.02	9,945.44	6,922.81	90.32	92.06	79.55	1,159.08	-2,148.71	381.54	200.02	181.52	2.102		
10,000.00	6,991.05	10,045.44	6,921.90	92.95	94.70	79.56	1,154.47	-2,248.60	381.68	194.97	186.71	2.044		
10,100.00	6,990.09	10,145.44	6,920.99	95.60	97.34	79.57	1,149.85	-2,348.49	381.82	189.89	191.93	1.989		
10,200.00	6,989.12	10,245.44	6,920.08	98.26	100.00	79.58	1,145.23	-2,448.38	381.96	184.80	197.16	1.937		
10,300.00	6,988.16	10,345.44	6,919.16	100.92	102.67	79.60	1,140.61	-2,548.27	382.10	179.69	202.42	1.888		
10,400.00	6,987.19	10,445.44	6,918.25	103.60	105.35	79.61	1,136.00	-2,648.16	382.24	174.55	207.69	1.840		
10,500.00	6,986.23	10,545.44	6,917.34	106.28	108.03	79.62	1,131.38	-2,748.04	382.38	169.40	212.98	1.795		
10,600.00	6,985.26	10,645.44	6,916.43	108.98	110.72	79.63	1,126.76	-2,847.93	382.53	164.24	218.29	1.752		
10,700.00	6,984.30	10,745.44	6,915.52	111.68	113.42	79.64	1,122.15	-2,947.82	382.67	159.06	223.61	1.711		
10,800.00	6,983.33	10,845.44	6,914.61	114.38	116.13	79.66	1,117.53	-3,047.71	382.81	153.86	228.94	1.672		
10,900.00	6,982.37	10,945.44	6,913.69	117.09	118.84	79.67	1,112.91	-3,147.60	382.95	148.66	234.29	1.635		
11,000.00	6,981.40	11,045.44	6,912.78	119.81	121.56	79.68	1,108.29	-3,247.49	383.09	143.44	239.65	1.599		
11,100.00	6,980.44	11,145.44	6,911.87	122.54	124.28	79.69	1,103.68	-3,347.38	383.23	138.21	245.02	1.564		
11,200.00	6,979.47	11,245.44	6,910.96	125.26	127.01	79.70	1,099.06	-3,447.27	383.37	132.97	250.40	1.531		
11,300.00	6,978.51	11,345.44	6,910.05	128.00	129.74	79.72	1,094.44	-3,547.16	383.51	127.72	255.79	1.499 Level 3		
11,400.00	6,977.54	11,445.44	6,909.13	130.73	132.48	79.73	1,089.83	-3,647.05	383.65	122.46	261.19	1.469 Level 3		
11,500.00	6,976.58	11,545.44	6,908.22	133.48	135.22	79.74	1,085.21	-3,746.94	383.79	117.19	266.60	1.440 Level 3		
11,600.00	6,975.62	11,645.44	6,907.31	136.22	137.97	79.75	1,080.59	-3,846.82	383.94	111.91	272.02	1.411 Level 3		
11,700.00	6,974.65	11,745.44	6,906.40	138.97	140.72	79.76	1,075.98	-3,946.71	384.08	106.63	277.45	1.384 Level 3		
11,800.00	6,973.69	11,845.44	6,905.49	141.73	143.47	79.77	1,071.36	-4,046.60	384.22	101.34	282.88	1.358 Level 3		
11,900.00	6,972.72	11,945.44	6,904.58	144.48	146.23	79.79	1,066.74	-4,146.49	384.36	96.04	288.32	1.333 Level 3		
12,000.00	6,971.76	12,045.43	6,903.66	147.24	148.99	79.80	1,062.12	-4,246.38	384.50	90.73	293.77	1.309 Level 3		
12,100.00	6,970.79	12,145.43	6,902.75	150.00	151.75	79.81	1,057.51	-4,346.27	384.64	85.42	299.22	1.285 Level 3		
12,200.00	6,969.83	12,245.43	6,901.84	152.77	154.51	79.82	1,052.89	-4,446.16	384.78	80.11	304.68	1.263 Level 3		
12,300.00	6,968.86	12,345.43	6,900.93	155.54	157.28	79.83	1,048.27	-4,546.05	384.92	74.78	310.14	1.241 Level 2		
12,400.00	6,967.90	12,445.43	6,900.02	158.31	160.05	79.85	1,043.66	-4,645.94	385.06	69.45	315.61	1.220 Level 2		
12,500.00	6,966.93	12,545.43	6,899.11	161.08	162.82	79.86	1,039.04	-4,745.83	385.21	64.12	321.08	1.200 Level 2		
12,600.00	6,965.97	12,645.43	6,898.19	163.85	165.60	79.87	1,034.42	-4,845.71	385.35	58.78	326.56	1.180 Level 2		
12,700.00	6,965.00	12,745.43	6,897.28	166.63	168.37	79.88	1,029.80	-4,945.60	385.49	53.44	332.05	1.161 Level 2		
12,800.00	6,964.04	12,845.43	6,896.37	169.41	171.15	79.89	1,025.19	-5,045.49	385.63	48.09	337.54	1.142 Level 2		
12,900.00	6,963.07	12,945.43	6,895.46	172.19	173.93	79.90	1,020.57	-5,145.38	385.77	42.74	343.03	1.125 Level 2		
13,000.00	6,962.11	13,045.43	6,894.55	174.97	176.71	79.92	1,015.95	-5,245.27	385.91	37.39	348.53	1.107 Level 2		
13,100.00	6,961.14	13,145.43	6,893.64	177.76	179.50	79.93	1,011.34	-5,345.16	386.05	32.03	354.03	1.090 Level 2		
13,200.00	6,960.18	13,245.43	6,892.72	180.54	182.28	79.94	1,006.72	-5,445.05	386.19	26.66	359.53	1.074 Level 2		
13,300.00	6,959.21	13,345.43	6,891.81	183.33	185.07	79.95	1,002.10	-5,544.94	386.34	21.30	365.04	1.058 Level 2		
13,400.00	6,958.25	13,445.43	6,890.90	186.12	187.86	79.96	997.48	-5,644.83	386.48	15.93	370.55	1.043 Level 2		
13,500.00	6,957.28	13,545.43	6,889.99	188.91	190.65	79.97	992.87	-5,744.72	386.62	10.55	376.07	1.028 Level 2		
13,600.00	6,956.32	13,645.43	6,889.08	191.70	193.44	79.99	988.25	-5,844.61	386.76	5.18	381.58	1.014 Level 2		
13,700.00	6,955.35	13,745.43	6,888.17	194.49	196.24	80.00	983.63	-5,944.49	386.90	-0.20	387.10	0.999 Level 1		
13,800.00	6,954.39	13,845.43	6,887.25	197.29	199.03	80.01	979.02	-6,044.38	387.04	-5.59	392.63	0.986 Level 1		
13,900.00	6,953.43	13,945.43	6,886.34	200.08	201.83	80.02	974.40	-6,144.27	387.18	-10.97	398.15	0.972 Level 1		
14,000.00	6,952.46	14,045.43	6,885.43	202.88	204.62	80.03	969.78	-6,244.16	387.33	-16.36	403.68	0.959 Level 1		
14,100.00	6,951.50	14,145.43	6,884.52	205.68	207.42	80.04	965.16	-6,344.05	387.47	-21.75	409.21	0.947 Level 1		
14,200.00	6,950.53	14,245.43	6,883.61	208.48	210.22	80.06	960.55	-6,443.94	387.61	-27.14	414.75	0.935 Level 1		
14,300.00	6,949.57	14,345.43	6,882.70	211.28	213.02	80.07	955.93	-6,543.83	387.75	-32.54	420.29	0.923 Level 1		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	6,948.60	14,445.43	6,881.78	214.08	215.82	80.08	951.31	-6,643.72	387.89	-37.93	425.83	0.911	Level 1	
14,500.00	6,947.64	14,545.43	6,880.87	216.88	218.62	80.09	946.70	-6,743.61	388.03	-43.33	431.37	0.900	Level 1	
14,600.00	6,946.67	14,645.43	6,879.96	219.68	221.42	80.10	942.08	-6,843.50	388.17	-48.74	436.91	0.888	Level 1	
14,700.00	6,945.71	14,745.43	6,879.05	222.49	224.23	80.11	937.46	-6,943.39	388.32	-54.14	442.46	0.878	Level 1	
14,800.00	6,944.74	14,845.43	6,878.14	225.29	227.03	80.13	932.84	-7,043.27	388.46	-59.55	448.00	0.867	Level 1	
14,900.00	6,943.78	14,945.43	6,877.23	228.10	229.84	80.14	928.23	-7,143.16	388.60	-64.95	453.55	0.857	Level 1	
15,000.00	6,942.81	15,045.43	6,876.31	230.90	232.64	80.15	923.61	-7,243.05	388.74	-70.36	459.10	0.847	Level 1	
15,100.00	6,941.85	15,145.43	6,875.40	233.71	235.45	80.16	918.99	-7,342.94	388.88	-75.78	464.66	0.837	Level 1	
15,200.00	6,940.88	15,245.43	6,874.49	236.52	238.26	80.17	914.38	-7,442.83	389.02	-81.19	470.21	0.827	Level 1	
15,300.00	6,939.92	15,345.43	6,873.58	239.32	241.07	80.18	909.76	-7,542.72	389.17	-86.61	475.77	0.818	Level 1	
15,400.00	6,938.95	15,445.43	6,872.67	242.13	243.88	80.20	905.14	-7,642.61	389.31	-92.02	481.33	0.809	Level 1	
15,500.00	6,937.99	15,545.43	6,871.75	244.94	246.69	80.21	900.52	-7,742.50	389.45	-97.44	486.89	0.800	Level 1	
15,600.00	6,937.02	15,645.43	6,870.84	247.75	249.50	80.22	895.91	-7,842.39	389.59	-102.86	492.45	0.791	Level 1	
15,603.96	6,936.99	15,649.39	6,870.81	247.86	249.61	80.22	895.72	-7,846.34	389.60	-103.08	492.67	0.791	Level 1	
15,706.13	6,936.00	15,738.53	6,869.99	250.74	252.11	80.23	891.61	-7,935.38	389.96	-107.79	497.75	0.783	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.41	-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		
300.00	300.00	300.00	300.00	3.44	3.44	-174.41	-59.75	-5.85	60.03	53.14	6.89	8.713 CC, ES		
400.00	399.98	400.13	400.11	3.60	3.60	138.02	-59.79	-4.10	61.22	54.02	7.20	8.500		
500.00	499.84	500.16	500.00	3.81	3.80	136.44	-59.93	1.14	64.81	57.21	7.60	8.525		
600.00	599.45	599.98	599.43	4.05	4.04	134.17	-60.16	9.84	70.88	62.80	8.08	8.769		
700.00	698.70	700.49	698.22	4.33	4.32	131.59	-60.47	21.91	79.50	70.86	8.64	9.205		
800.00	797.47	801.12	796.70	4.64	4.62	130.41	-60.82	35.13	90.56	81.31	9.25	9.786		
902.00	897.58	900.05	896.88	4.98	4.95	130.94	-61.17	48.58	104.18	94.25	9.93	10.495		
1,000.00	993.42	1,003.12	992.95	5.33	5.31	132.12	-61.51	61.48	118.43	107.79	10.64	11.129		
1,100.00	1,091.22	1,104.21	1,090.98	5.71	5.69	133.06	-61.85	74.64	133.01	121.62	11.39	11.678		
1,200.00	1,189.02	1,205.30	1,189.01	6.11	6.07	133.82	-62.20	87.80	147.62	135.45	12.17	12.132		
1,300.00	1,286.82	1,306.39	1,287.04	6.53	6.47	134.44	-62.54	100.97	162.25	149.28	12.97	12.511		
1,400.00	1,384.62	1,407.48	1,385.07	6.95	6.88	134.95	-62.89	114.13	176.89	163.10	13.79	12.829		
1,500.00	1,482.42	1,508.57	1,483.10	7.38	7.30	135.39	-63.23	127.29	191.55	176.92	14.62	13.097		
1,600.00	1,580.22	1,609.66	1,581.13	7.83	7.72	135.77	-63.58	140.45	206.21	190.74	15.48	13.325		
1,700.00	1,678.03	1,689.25	1,679.16	8.27	8.05	136.10	-63.92	153.62	220.88	204.64	16.25	13.597		
1,800.00	1,775.83	1,788.16	1,777.19	8.72	8.47	136.38	-64.27	166.78	235.56	218.46	17.11	13.770		
1,900.00	1,873.63	1,887.07	1,875.22	9.18	8.90	136.63	-64.61	179.94	250.25	232.27	17.98	13.921		
2,000.00	1,971.43	1,985.99	1,973.25	9.64	9.33	136.86	-64.96	193.10	264.94	246.08	18.85	14.053		
2,100.00	2,069.23	2,084.90	2,071.28	10.11	9.76	137.06	-65.30	206.27	279.63	259.89	19.74	14.169		
2,200.00	2,167.03	2,183.81	2,169.31	10.57	10.20	137.24	-65.64	219.43	294.32	273.70	20.62	14.271		
2,300.00	2,264.83	2,282.72	2,267.34	11.04	10.63	137.40	-65.99	232.59	309.02	287.50	21.52	14.362		
2,400.00	2,362.63	2,381.63	2,365.37	11.52	11.07	137.55	-66.33	245.76	323.72	301.31	22.41	14.443		
2,500.00	2,460.43	2,480.54	2,463.40	11.99	11.51	137.69	-66.68	258.92	338.42	315.11	23.31	14.516		
2,600.00	2,558.23	2,579.45	2,561.43	12.47	11.96	137.81	-67.02	272.08	353.13	328.91	24.22	14.581		
2,700.00	2,656.03	2,678.36	2,659.46	12.94	12.40	137.92	-67.37	285.24	367.83	342.71	25.12	14.640		
2,800.00	2,753.83	2,777.27	2,757.49	13.42	12.84	138.03	-67.71	298.41	382.54	356.50	26.03	14.694		
2,900.00	2,851.63	2,876.18	2,855.52	13.90	13.29	138.13	-68.06	311.57	397.24	370.30	26.95	14.742		
3,000.00	2,949.43	2,975.09	2,953.55	14.38	13.74	138.22	-68.40	324.73	411.95	384.09	27.86	14.787		
3,100.00	3,047.23	3,074.00	3,051.58	14.87	14.19	138.30	-68.75	337.89	426.66	397.89	28.78	14.827		
3,200.00	3,145.03	3,172.91	3,149.61	15.35	14.63	138.38	-69.09	351.06	441.37	411.68	29.69	14.864		
3,300.00	3,242.83	3,271.82	3,247.64	15.83	15.08	138.46	-69.44	364.22	456.08	425.47	30.61	14.899		
3,400.00	3,340.63	3,370.73	3,345.67	16.32	15.53	138.53	-69.78	377.38	470.80	439.26	31.53	14.930		
3,500.00	3,438.43	3,469.64	3,443.70	16.80	15.99	138.59	-70.13	390.54	485.51	453.05	32.46	14.959		
3,600.00	3,536.23	3,568.55	3,541.73	17.29	16.44	138.65	-70.47	403.71	500.22	466.84	33.38	14.986		
3,700.00	3,634.03	3,667.46	3,639.76	17.78	16.89	138.71	-70.81	416.87	514.93	480.63	34.30	15.012		
3,800.00	3,731.83	3,766.37	3,737.79	18.26	17.34	138.76	-71.16	430.03	529.65	494.42	35.23	15.035		
3,900.00	3,829.63	3,865.28	3,835.82	18.75	17.80	138.82	-71.50	443.19	544.36	508.21	36.15	15.057		
4,000.00	3,927.43	3,964.19	3,933.85	19.24	18.25	138.86	-71.85	456.36	559.08	522.00	37.08	15.077		
4,100.00	4,025.23	4,063.10	4,031.88	19.73	18.70	138.91	-72.19	469.52	573.79	535.78	38.01	15.096		
4,200.00	4,123.03	4,162.01	4,129.91	20.22	19.16	138.95	-72.54	482.68	588.51	549.57	38.94	15.114		
4,300.00	4,220.83	4,260.92	4,227.94	20.71	19.61	139.00	-72.88	495.84	603.22	563.36	39.87	15.131		
4,400.00	4,318.63	4,359.83	4,325.97	21.20	20.07	139.04	-73.23	509.01	617.94	577.14	40.80	15.147		
4,500.00	4,416.43	4,458.74	4,424.00	21.69	20.52	139.07	-73.57	522.17	632.66	590.93	41.73	15.161		
4,600.00	4,514.23	4,557.65	4,522.03	22.18	20.98	139.11	-73.92	535.33	647.37	604.71	42.66	15.175		
4,700.00	4,612.03	4,656.56	4,620.06	22.67	21.43	139.15	-74.26	548.49	662.09	618.50	43.59	15.189		
4,800.00	4,709.83	4,755.48	4,718.09	23.16	21.89	139.18	-74.61	561.66	676.81	632.28	44.52	15.201		
4,900.00	4,807.63	4,854.39	4,816.12	23.65	22.35	139.21	-74.95	574.82	691.52	646.07	45.46	15.213		
5,000.00	4,905.43	4,953.30	4,914.15	24.14	22.80	139.24	-75.30	587.98	706.24	659.85	46.39	15.224		
5,100.00	5,003.23	5,052.21	5,012.18	24.63	23.26	139.27	-75.64	601.14	720.96	673.64	47.32	15.235		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,151.12	5,110.21	25.12	23.72	139.30	-75.98	614.31	735.68	687.42	48.26	15.245		
5,300.00	5,198.83	5,250.03	5,208.24	25.62	24.17	139.33	-76.33	627.47	750.40	701.20	49.19	15.255		
5,400.00	5,296.63	5,348.94	5,306.27	26.11	24.63	139.35	-76.67	640.63	765.11	714.99	50.13	15.264		
5,500.00	5,394.43	5,447.85	5,404.30	26.60	25.09	139.38	-77.02	653.79	779.83	728.77	51.06	15.273		
5,600.00	5,492.23	5,546.76	5,502.33	27.09	25.55	139.40	-77.36	666.96	794.55	742.55	52.00	15.281		
5,700.00	5,590.03	5,645.67	5,600.36	27.58	26.00	139.42	-77.71	680.12	809.27	756.34	52.93	15.289		
5,800.00	5,687.83	5,744.58	5,698.39	28.08	26.46	139.45	-78.05	693.28	823.99	770.12	53.87	15.296		
5,900.00	5,785.63	5,843.49	5,796.42	28.57	26.92	139.47	-78.40	706.45	838.71	783.90	54.80	15.304		
6,000.00	5,883.43	5,942.40	5,894.45	29.06	27.38	139.49	-78.74	719.61	853.43	797.69	55.74	15.311		
6,100.00	5,981.23	6,041.31	5,992.48	29.56	27.83	139.51	-79.09	732.77	868.15	811.47	56.68	15.317		
6,200.00	6,079.04	6,140.22	6,090.51	30.05	28.29	139.53	-79.43	745.93	882.86	825.25	57.62	15.324		
6,300.00	6,176.84	6,239.13	6,188.54	30.54	28.75	139.55	-79.78	759.10	897.58	839.03	58.55	15.330		
6,409.71	6,284.13	6,347.64	6,296.09	31.08	29.25	139.57	-80.15	773.54	913.73	854.15	59.58	15.336		
6,450.00	6,323.71	6,387.50	6,335.59	31.28	29.44	154.16	-80.29	778.84	919.47	859.52	59.95	15.336		
6,500.00	6,373.15	6,436.81	6,384.46	31.50	29.67	-178.04	-80.46	785.40	926.05	865.65	60.41	15.330		
6,550.00	6,422.65	6,483.93	6,431.17	31.70	29.89	-146.93	-80.63	791.62	932.07	871.24	60.83	15.323		
6,600.00	6,471.92	6,524.42	6,471.49	31.89	30.06	-125.50	-80.83	795.20	937.84	876.67	61.18	15.329		
6,650.00	6,520.65	6,565.33	6,512.38	32.07	30.23	-113.27	-81.12	796.20	943.51	881.99	61.52	15.337		
6,700.00	6,568.54	6,606.71	6,553.71	32.25	30.39	-106.09	-81.50	794.55	949.06	887.20	61.86	15.342		
6,750.00	6,615.30	6,648.60	6,595.37	32.43	30.55	-101.58	-81.98	790.14	954.46	892.26	62.20	15.345		
6,800.00	6,660.63	6,691.09	6,637.22	32.61	30.71	-98.60	-82.54	782.89	959.71	897.15	62.56	15.340		
6,850.00	6,704.26	6,734.22	6,679.12	32.80	30.87	-96.56	-83.21	772.69	964.79	901.85	62.95	15.327		
6,900.00	6,745.92	6,778.07	6,720.90	33.00	31.04	-95.15	-83.97	759.44	969.69	906.33	63.36	15.305		
6,950.00	6,785.34	6,822.71	6,762.39	33.21	31.21	-94.18	-84.84	743.03	974.39	910.59	63.80	15.272		
7,000.00	6,822.30	6,868.21	6,803.40	33.44	31.39	-93.53	-85.80	723.35	978.88	914.60	64.28	15.228		
7,050.00	6,856.55	6,914.66	6,843.69	33.69	31.58	-93.15	-86.88	700.30	983.14	918.33	64.80	15.171		
7,100.00	6,887.90	6,962.13	6,883.03	33.97	31.79	-92.96	-88.05	673.77	987.15	921.78	65.37	15.101		
7,150.00	6,916.14	7,010.72	6,921.13	34.28	32.02	-92.95	-89.34	643.66	990.89	924.90	65.99	15.016		
7,200.00	6,941.10	7,060.50	6,957.66	34.62	32.27	-93.08	-90.73	609.89	994.34	927.68	66.66	14.916		
7,250.00	6,962.63	7,111.57	6,992.28	35.00	32.55	-93.33	-92.23	572.39	997.49	930.09	67.40	14.800		
7,300.00	6,980.59	7,164.02	7,024.58	35.43	32.87	-93.70	-93.83	531.13	1,000.29	932.10	68.20	14.668		
7,350.00	6,994.88	7,217.92	7,054.13	35.89	33.23	-94.16	-95.54	486.09	1,002.73	933.67	69.06	14.519		
7,400.00	7,005.41	7,273.35	7,080.42	36.39	33.65	-94.72	-97.34	437.35	1,004.78	934.77	70.01	14.353		
7,450.00	7,012.10	7,330.37	7,102.94	36.93	34.13	-95.36	-99.23	385.02	1,006.39	935.37	71.03	14.170		
7,500.00	7,014.93	7,389.03	7,121.12	37.50	34.67	-96.07	-101.19	329.31	1,007.55	935.43	72.12	13.971		
7,517.56	7,015.00	7,410.01	7,126.36	37.70	34.87	-96.34	-101.90	309.00	1,007.83	935.32	72.52	13.898		
7,600.00	7,014.21	7,512.19	7,142.22	38.74	35.98	-97.30	-105.31	208.23	1,008.35	933.73	74.62	13.514		
7,700.00	7,013.24	7,624.14	7,143.34	40.15	37.35	-97.43	-108.98	96.39	1,007.08	929.69	77.39	13.012		
7,800.00	7,012.28	7,724.13	7,142.18	41.71	38.74	-97.43	-112.23	-3.54	1,005.55	925.21	80.34	12.516		
7,900.00	7,011.31	7,824.12	7,141.01	43.40	40.28	-97.43	-115.49	-103.47	1,004.02	920.46	83.56	12.015		
8,000.00	7,010.35	7,924.11	7,139.85	45.21	41.95	-97.43	-118.75	-203.40	1,002.50	915.46	87.04	11.518		
8,100.00	7,009.38	8,024.09	7,138.69	47.12	43.75	-97.43	-122.00	-303.32	1,000.97	910.24	90.73	11.033		
8,200.00	7,008.42	8,124.08	7,137.52	49.12	45.66	-97.43	-125.26	-403.25	999.44	904.83	94.61	10.564		
8,300.00	7,007.45	8,224.07	7,136.36	51.21	47.65	-97.43	-128.52	-503.18	997.92	899.25	98.66	10.114		
8,400.00	7,006.49	8,324.06	7,135.20	53.36	49.73	-97.43	-131.77	-603.11	996.39	893.52	102.87	9.686		
8,500.00	7,005.52	8,424.05	7,134.04	55.57	51.89	-97.43	-135.03	-703.04	994.86	887.66	107.20	9.280		
8,600.00	7,004.56	8,524.04	7,132.87	57.84	54.10	-97.43	-138.28	-802.97	993.33	881.68	111.66	8.896		
8,700.00	7,003.59	8,624.02	7,131.71	60.16	56.38	-97.43	-141.54	-902.90	991.81	875.59	116.21	8.534		
8,800.00	7,002.63	8,724.01	7,130.55	62.52	58.70	-97.43	-144.80	-1,002.82	990.28	869.42	120.86	8.193		
8,900.00	7,001.66	8,824.00	7,129.38	64.92	61.07	-97.43	-148.05	-1,102.75	988.75	863.16	125.59	7.873		
9,000.00	7,000.70	8,923.99	7,128.22	67.35	63.47	-97.43	-151.31	-1,202.68	987.22	856.83	130.39	7.571		
9,100.00	6,999.73	9,023.98	7,127.06	69.81	65.91	-97.43	-154.57	-1,302.61	985.70	850.44	135.26	7.287		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	9,123.97	7,125.89	72.31	68.39	-97.43	-157.82	-1,402.54	984.17	843.98	140.19	7.020		
9,300.00	6,997.80	9,223.95	7,124.73	74.82	70.89	-97.43	-161.08	-1,502.47	982.64	837.48	145.16	6.769		
9,400.00	6,996.84	9,323.94	7,123.57	77.36	73.41	-97.43	-164.33	-1,602.40	981.12	830.93	150.19	6.533		
9,500.00	6,995.88	9,423.93	7,122.40	79.92	75.96	-97.43	-167.59	-1,702.32	979.59	824.33	155.26	6.309		
9,600.00	6,994.91	9,523.92	7,121.24	82.49	78.53	-97.43	-170.85	-1,802.25	978.06	817.70	160.36	6.099		
9,700.00	6,993.95	9,623.91	7,120.08	85.09	81.11	-97.43	-174.10	-1,902.18	976.53	811.03	165.50	5.900		
9,800.00	6,992.98	9,723.90	7,118.92	87.70	83.71	-97.43	-177.36	-2,002.11	975.01	804.33	170.67	5.713		
9,900.00	6,992.02	9,823.88	7,117.75	90.32	86.33	-97.43	-180.62	-2,102.04	973.48	797.61	175.87	5.535		
10,000.00	6,991.05	9,923.87	7,116.59	92.95	88.96	-97.43	-183.87	-2,201.97	971.95	790.85	181.10	5.367		
10,100.00	6,990.09	10,023.86	7,115.43	95.60	91.61	-97.43	-187.13	-2,301.90	970.42	784.07	186.35	5.207		
10,200.00	6,989.12	10,123.85	7,114.26	98.26	94.26	-97.43	-190.38	-2,401.82	968.90	777.27	191.62	5.056		
10,300.00	6,988.16	10,223.84	7,113.10	100.92	96.93	-97.43	-193.64	-2,501.75	967.37	770.45	196.92	4.913		
10,400.00	6,987.19	10,323.83	7,111.94	103.60	99.61	-97.43	-196.90	-2,601.68	965.84	763.61	202.23	4.776		
10,500.00	6,986.23	10,423.81	7,110.77	106.28	102.29	-97.43	-200.15	-2,701.61	964.32	756.76	207.56	4.646		
10,600.00	6,985.26	10,523.80	7,109.61	108.98	104.99	-97.43	-203.41	-2,801.54	962.79	749.88	212.91	4.522		
10,700.00	6,984.30	10,623.79	7,108.45	111.68	107.69	-97.43	-206.67	-2,901.47	961.26	742.99	218.27	4.404		
10,800.00	6,983.33	10,723.78	7,107.28	114.38	110.40	-97.43	-209.92	-3,001.40	959.73	736.09	223.64	4.291		
10,900.00	6,982.37	10,823.77	7,106.12	117.09	113.11	-97.43	-213.18	-3,101.32	958.21	729.18	229.03	4.184		
11,000.00	6,981.40	10,923.76	7,104.96	119.81	115.83	-97.43	-216.43	-3,201.25	956.68	722.25	234.43	4.081		
11,100.00	6,980.44	11,023.74	7,103.80	122.54	118.56	-97.43	-219.69	-3,301.18	955.15	715.32	239.84	3.983		
11,200.00	6,979.47	11,123.73	7,102.63	125.26	121.29	-97.43	-222.95	-3,401.11	953.63	708.37	245.26	3.888		
11,300.00	6,978.51	11,223.72	7,101.47	128.00	124.03	-97.43	-226.20	-3,501.04	952.10	701.41	250.69	3.798		
11,400.00	6,977.54	11,323.71	7,100.31	130.73	126.77	-97.43	-229.46	-3,600.97	950.57	694.44	256.13	3.711		
11,500.00	6,976.58	11,423.70	7,099.14	133.48	129.52	-97.43	-232.72	-3,700.90	949.04	687.47	261.57	3.628		
11,600.00	6,975.62	11,523.69	7,097.98	136.22	132.27	-97.43	-235.97	-3,800.82	947.52	680.49	267.03	3.548		
11,700.00	6,974.65	11,623.67	7,096.82	138.97	135.02	-97.43	-239.23	-3,900.75	945.99	673.50	272.49	3.472		
11,800.00	6,973.69	11,723.66	7,095.65	141.73	137.78	-97.43	-242.48	-4,000.68	944.46	666.50	277.96	3.398		
11,900.00	6,972.72	11,823.65	7,094.49	144.48	140.54	-97.43	-245.74	-4,100.61	942.93	659.49	283.44	3.327		
12,000.00	6,971.76	11,923.64	7,093.33	147.24	143.31	-97.43	-249.00	-4,200.54	941.41	652.48	288.92	3.258		
12,100.00	6,970.79	12,023.63	7,092.17	150.00	146.07	-97.43	-252.25	-4,300.47	939.88	645.47	294.41	3.192		
12,200.00	6,969.83	12,123.62	7,091.00	152.77	148.84	-97.43	-255.51	-4,400.39	938.35	638.44	299.91	3.129		
12,300.00	6,968.86	12,223.60	7,089.84	155.54	151.62	-97.43	-258.77	-4,500.32	936.83	631.42	305.41	3.067		
12,400.00	6,967.90	12,323.59	7,088.68	158.31	154.39	-97.43	-262.02	-4,600.25	935.30	624.38	310.91	3.008		
12,500.00	6,966.93	12,423.58	7,087.51	161.08	157.17	-97.43	-265.28	-4,700.18	933.77	617.35	316.42	2.951		
12,600.00	6,965.97	12,523.57	7,086.35	163.85	159.95	-97.43	-268.53	-4,800.11	932.24	610.31	321.94	2.896		
12,700.00	6,965.00	12,623.56	7,085.19	166.63	162.73	-97.43	-271.79	-4,900.04	930.72	603.26	327.46	2.842		
12,800.00	6,964.04	12,723.55	7,084.02	169.41	165.52	-97.43	-275.05	-4,999.97	929.19	596.21	332.98	2.791		
12,900.00	6,963.07	12,823.53	7,082.86	172.19	168.31	-97.43	-278.30	-5,099.89	927.66	589.16	338.51	2.740		
13,000.00	6,962.11	12,923.52	7,081.70	174.97	171.09	-97.43	-281.56	-5,199.82	926.13	582.10	344.04	2.692		
13,100.00	6,961.14	13,023.51	7,080.53	177.76	173.88	-97.43	-284.82	-5,299.75	924.61	575.04	349.57	2.645		
13,200.00	6,960.18	13,123.50	7,079.37	180.54	176.68	-97.43	-288.07	-5,399.68	923.08	567.97	355.11	2.599		
13,300.00	6,959.21	13,223.49	7,078.21	183.33	179.47	-97.43	-291.33	-5,499.61	921.55	560.91	360.65	2.555		
13,400.00	6,958.25	13,323.48	7,077.05	186.12	182.26	-97.43	-294.58	-5,599.54	920.03	553.83	366.19	2.512		
13,500.00	6,957.28	13,423.46	7,075.88	188.91	185.06	-97.43	-297.84	-5,699.47	918.50	546.76	371.74	2.471		
13,600.00	6,956.32	13,523.45	7,074.72	191.70	187.86	-97.43	-301.10	-5,799.39	916.97	539.68	377.29	2.430		
13,700.00	6,955.35	13,623.44	7,073.56	194.49	190.66	-97.43	-304.35	-5,899.32	915.44	532.61	382.84	2.391		
13,800.00	6,954.39	13,723.43	7,072.39	197.29	193.46	-97.43	-307.61	-5,999.25	913.92	525.52	388.39	2.353		
13,900.00	6,953.43	13,823.42	7,071.23	200.08	196.26	-97.43	-310.87	-6,099.18	912.39	518.44	393.95	2.316		
14,000.00	6,952.46	13,923.41	7,070.07	202.88	199.06	-97.43	-314.12	-6,199.11	910.86	511.35	399.51	2.280		
14,100.00	6,951.50	14,023.39	7,068.90	205.68	201.87	-97.43	-317.38	-6,299.04	909.33	504.27	405.07	2.245		
14,200.00	6,950.53	14,123.38	7,067.74	208.48	204.67	-97.43	-320.63	-6,398.97	907.81	497.17	410.63	2.211		
14,300.00	6,949.57	14,223.37	7,066.58	211.28	207.48	-97.43	-323.89	-6,498.89	906.28	490.08	416.20	2.178		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	6,948.60	14,323.36	7,065.41	214.08	210.28	-97.43	-327.15	-6,598.82	904.75	482.99	421.77	2.145		
14,500.00	6,947.64	14,423.35	7,064.25	216.88	213.09	-97.43	-330.40	-6,698.75	903.23	475.89	427.34	2.114		
14,600.00	6,946.67	14,523.34	7,063.09	219.68	215.90	-97.43	-333.66	-6,798.68	901.70	468.79	432.91	2.083		
14,700.00	6,945.71	14,623.32	7,061.93	222.49	218.71	-97.43	-336.92	-6,898.61	900.17	461.69	438.48	2.053		
14,800.00	6,944.74	14,723.31	7,060.76	225.29	221.52	-97.43	-340.17	-6,998.54	898.64	454.59	444.05	2.024		
14,900.00	6,943.78	14,823.30	7,059.60	228.10	224.33	-97.43	-343.43	-7,098.47	897.12	447.49	449.63	1.995		
15,000.00	6,942.81	14,923.29	7,058.44	230.90	227.15	-97.43	-346.68	-7,198.39	895.59	440.38	455.21	1.967		
15,100.00	6,941.85	15,023.28	7,057.27	233.71	229.96	-97.43	-349.94	-7,298.32	894.06	433.27	460.79	1.940		
15,200.00	6,940.88	15,123.27	7,056.11	236.52	232.77	-97.43	-353.20	-7,398.25	892.53	426.16	466.37	1.914		
15,300.00	6,939.92	15,223.25	7,054.95	239.32	235.59	-97.43	-356.45	-7,498.18	891.01	419.06	471.95	1.888		
15,400.00	6,938.95	15,323.24	7,053.78	242.13	238.40	-97.43	-359.71	-7,598.11	889.48	411.94	477.54	1.863		
15,500.00	6,937.99	15,423.23	7,052.62	244.94	241.22	-97.43	-362.97	-7,698.04	887.95	404.83	483.12	1.838		
15,600.00	6,937.02	15,523.22	7,051.46	247.75	244.04	-97.43	-366.22	-7,797.97	886.43	397.72	488.71	1.814		
15,706.13	6,936.00	15,629.33	7,050.22	250.74	247.02	-97.43	-369.68	-7,904.02	884.80	390.17	494.64	1.789 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.32	-44.81	-4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-44.81	-4.45	45.03	38.46	6.57	6.854		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-44.81	-4.45	45.03	38.36	6.67	6.747		
300.00	300.00	300.56	300.54	3.44	3.44	-176.43	-44.30	-2.76	44.39	37.50	6.89	6.442		
374.82	374.81	375.70	375.59	3.56	3.56	133.03	-43.25	0.70	43.92	36.80	7.12	6.169 CC		
400.00	399.98	400.97	400.81	3.60	3.60	131.69	-42.77	2.29	43.98	36.77	7.21	6.101 ES		
500.00	499.84	501.20	500.65	3.81	3.81	125.92	-40.22	10.69	45.33	37.71	7.62	5.949		
600.00	599.45	601.23	599.92	4.05	4.08	119.94	-36.68	22.39	48.62	40.50	8.13	5.984		
700.00	698.70	701.00	698.45	4.33	4.40	114.40	-32.14	37.37	53.90	45.18	8.72	6.180		
800.00	797.47	800.55	796.19	4.64	4.78	109.77	-26.66	55.46	61.11	51.70	9.41	6.496		
902.00	897.58	902.15	895.74	4.98	5.21	108.05	-20.79	74.84	69.97	59.79	10.18	6.872		
1,000.00	993.42	1,000.27	991.36	5.33	5.67	108.11	-15.15	93.45	79.05	68.06	10.99	7.195		
1,100.00	1,091.22	1,100.70	1,088.94	5.71	6.15	108.15	-9.40	112.44	88.31	76.46	11.85	7.451		
1,200.00	1,189.02	1,198.87	1,186.51	6.11	6.65	108.19	-3.65	131.43	97.58	84.83	12.74	7.657		
1,300.00	1,286.82	1,301.56	1,284.08	6.53	7.18	108.22	2.11	150.42	106.84	93.15	13.69	7.807		
1,400.00	1,384.62	1,401.99	1,381.66	6.95	7.72	108.24	7.86	169.41	116.10	101.46	14.64	7.931		
1,500.00	1,482.42	1,502.42	1,479.23	7.38	8.26	108.27	13.61	188.40	125.37	109.75	15.61	8.030		
1,600.00	1,580.22	1,602.85	1,576.80	7.83	8.82	108.28	19.36	207.40	134.63	118.03	16.60	8.109		
1,700.00	1,678.03	1,703.28	1,674.37	8.27	9.38	108.30	25.12	226.39	143.89	126.29	17.60	8.174		
1,800.00	1,775.83	1,803.71	1,771.95	8.72	9.94	108.32	30.87	245.38	153.15	134.54	18.62	8.226		
1,900.00	1,873.63	1,904.14	1,869.52	9.18	10.52	108.33	36.62	264.37	162.42	142.78	19.64	8.270		
2,000.00	1,971.43	2,004.57	1,967.09	9.64	11.09	108.34	42.38	283.36	171.68	151.01	20.67	8.306		
2,100.00	2,069.23	2,105.00	2,064.67	10.11	11.67	108.35	48.13	302.35	180.94	159.24	21.71	8.336		
2,200.00	2,167.03	2,205.43	2,162.24	10.57	12.25	108.36	53.88	321.34	190.21	167.46	22.75	8.361		
2,300.00	2,264.83	2,305.86	2,259.81	11.04	12.83	108.37	59.63	340.33	199.47	175.67	23.80	8.382		
2,400.00	2,362.63	2,406.29	2,357.38	11.52	13.42	108.37	65.39	359.32	208.73	183.88	24.85	8.399		
2,500.00	2,460.43	2,493.28	2,454.96	11.99	13.93	108.38	71.14	378.32	217.99	192.17	25.83	8.440		
2,600.00	2,558.23	2,607.15	2,552.53	12.47	14.60	108.39	76.89	397.31	227.26	200.29	26.97	8.427		
2,700.00	2,656.03	2,707.58	2,650.10	12.94	15.19	108.39	82.64	416.30	236.52	208.49	28.03	8.438		
2,800.00	2,753.83	2,808.01	2,747.67	13.42	15.78	108.40	88.40	435.29	245.78	216.69	29.10	8.447		
2,900.00	2,851.63	2,908.44	2,845.25	13.90	16.37	108.40	94.15	454.28	255.05	224.88	30.16	8.455		
3,000.00	2,949.43	3,008.87	2,942.82	14.38	16.97	108.41	99.90	473.27	264.31	233.08	31.23	8.462		
3,100.00	3,047.23	3,109.30	3,040.39	14.87	17.56	108.41	105.66	492.26	273.57	241.27	32.31	8.468		
3,200.00	3,145.03	3,209.73	3,137.97	15.35	18.16	108.42	111.41	511.25	282.84	249.46	33.38	8.473		
3,300.00	3,242.83	3,289.84	3,235.54	15.83	18.63	108.42	117.16	530.24	292.10	257.76	34.34	8.507		
3,400.00	3,340.63	3,389.41	3,333.11	16.32	19.23	108.42	122.91	549.23	301.36	265.95	35.41	8.511		
3,500.00	3,438.43	3,488.98	3,430.68	16.80	19.82	108.43	128.67	568.23	310.62	274.14	36.48	8.515		
3,600.00	3,536.23	3,588.55	3,528.26	17.29	20.41	108.43	134.42	587.22	319.89	282.33	37.55	8.518		
3,700.00	3,634.03	3,688.12	3,625.83	17.78	21.01	108.43	140.17	606.21	329.15	290.52	38.63	8.521		
3,800.00	3,731.83	3,787.69	3,723.40	18.26	21.60	108.44	145.93	625.20	338.41	298.71	39.71	8.523		
3,900.00	3,829.63	3,887.26	3,820.97	18.75	22.20	108.44	151.68	644.19	347.68	306.89	40.78	8.525		
4,000.00	3,927.43	3,986.83	3,918.55	19.24	22.79	108.44	157.43	663.18	356.94	315.08	41.86	8.526		
4,100.00	4,025.23	4,086.40	4,016.12	19.73	23.39	108.45	163.18	682.17	366.20	323.26	42.94	8.528		
4,200.00	4,123.03	4,185.97	4,113.69	20.22	23.99	108.45	168.94	701.16	375.46	331.44	44.02	8.529		
4,300.00	4,220.83	4,285.54	4,211.27	20.71	24.58	108.45	174.69	720.15	384.73	339.63	45.10	8.530		
4,400.00	4,318.63	4,385.11	4,308.84	21.20	25.18	108.45	180.44	739.15	393.99	347.81	46.18	8.531		
4,500.00	4,416.43	4,484.68	4,406.41	21.69	25.78	108.45	186.19	758.14	403.25	355.99	47.27	8.532		
4,600.00	4,514.23	4,585.63	4,505.54	22.18	26.36	108.60	191.73	776.40	412.39	364.04	48.35	8.530		
4,700.00	4,612.03	4,686.87	4,605.55	22.67	26.91	109.22	196.28	791.43	421.13	371.73	49.40	8.526		
4,800.00	4,709.83	4,787.76	4,705.70	23.16	27.40	110.27	199.80	803.04	429.57	379.17	50.40	8.523		
4,900.00	4,807.63	4,888.03	4,805.60	23.65	27.84	111.75	202.28	811.23	437.90	386.55	51.35	8.528		
5,000.00	4,905.43	4,987.46	4,904.90	24.14	28.23	113.59	203.73	816.03	446.36	394.12	52.24	8.545		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,085.81	5,003.23	24.63	28.58	115.77	204.19	817.55	455.26	402.20	53.06	8.579		
5,200.00	5,101.03	5,183.61	5,101.03	25.12	28.90	118.05	204.19	817.55	464.87	411.03	53.84	8.634		
5,300.00	5,198.83	5,281.41	5,198.83	25.62	29.22	120.23	204.19	817.55	475.20	420.60	54.61	8.702		
5,400.00	5,296.63	5,379.21	5,296.63	26.11	29.55	122.32	204.19	817.55	486.21	430.85	55.36	8.783		
5,500.00	5,394.43	5,477.01	5,394.43	26.60	29.88	124.32	204.19	817.55	497.85	441.75	56.10	8.874		
5,600.00	5,492.23	5,574.81	5,492.23	27.09	30.21	126.23	204.19	817.55	510.08	453.24	56.83	8.975		
5,700.00	5,590.03	5,672.61	5,590.03	27.58	30.54	128.05	204.19	817.55	522.85	465.29	57.56	9.083		
5,800.00	5,687.83	5,770.41	5,687.83	28.08	30.88	129.78	204.19	817.55	536.13	477.84	58.29	9.198		
5,900.00	5,785.63	5,868.21	5,785.63	28.57	31.22	131.43	204.19	817.55	549.88	490.87	59.01	9.318		
6,000.00	5,883.43	5,966.01	5,883.43	29.06	31.56	133.00	204.19	817.55	564.07	504.34	59.73	9.443		
6,100.00	5,981.23	6,063.81	5,981.23	29.56	31.90	134.50	204.19	817.55	578.66	518.20	60.46	9.571		
6,200.00	6,079.04	6,161.61	6,079.04	30.05	32.25	135.92	204.19	817.55	593.63	532.45	61.18	9.703		
6,300.00	6,176.84	6,259.41	6,176.84	30.54	32.59	137.27	204.19	817.55	608.94	547.03	61.91	9.836		
6,409.71	6,284.13	6,366.71	6,284.13	31.08	32.98	138.68	204.19	817.55	626.11	563.40	62.71	9.984		
6,450.00	6,323.71	6,406.29	6,323.71	31.28	33.12	153.78	204.19	817.55	632.32	569.31	63.01	10.035		
6,500.00	6,373.15	6,455.73	6,373.15	31.50	33.29	-177.91	204.19	817.55	639.52	576.13	63.40	10.088		
6,550.00	6,422.65	6,501.22	6,418.64	31.70	33.45	-146.36	204.17	817.05	646.18	582.45	63.74	10.138		
6,600.00	6,471.92	6,543.97	6,461.26	31.89	33.57	-124.54	204.04	813.92	652.66	588.64	64.01	10.195		
6,650.00	6,520.65	6,586.81	6,503.68	32.07	33.68	-111.94	203.80	807.94	658.95	594.68	64.28	10.252		
6,700.00	6,568.54	6,629.78	6,545.71	32.25	33.76	-104.39	203.44	799.08	665.05	600.52	64.53	10.306		
6,750.00	6,615.30	6,672.91	6,587.21	32.43	33.83	-99.52	202.96	787.36	670.90	606.12	64.78	10.356		
6,800.00	6,660.63	6,716.24	6,628.00	32.61	33.90	-96.20	202.37	772.79	676.49	611.46	65.04	10.402		
6,850.00	6,704.26	6,759.79	6,667.91	32.80	33.95	-93.83	201.66	755.39	681.79	616.49	65.30	10.441		
6,900.00	6,745.92	6,803.61	6,706.76	33.00	33.99	-92.10	200.83	735.17	686.78	621.20	65.58	10.472		
6,950.00	6,785.34	6,847.72	6,744.37	33.21	34.03	-90.83	199.90	712.17	691.44	625.55	65.89	10.494		
7,000.00	6,822.30	6,892.16	6,780.57	33.44	34.07	-89.90	198.85	686.42	695.74	629.51	66.23	10.505		
7,050.00	6,856.55	6,936.96	6,815.15	33.69	34.12	-89.23	197.69	657.97	699.67	633.06	66.61	10.504		
7,100.00	6,887.90	6,982.15	6,847.91	33.97	34.18	-88.79	196.42	626.88	703.21	636.16	67.05	10.488		
7,150.00	6,916.14	7,027.78	6,878.67	34.28	34.26	-88.53	195.05	593.22	706.36	638.81	67.55	10.456		
7,200.00	6,941.10	7,073.86	6,907.20	34.62	34.36	-88.42	193.58	557.08	709.09	640.97	68.13	10.409		
7,250.00	6,962.63	7,120.43	6,933.30	35.00	34.50	-88.46	192.01	518.56	711.41	642.63	68.78	10.344		
7,300.00	6,980.59	7,167.51	6,956.75	35.43	34.68	-88.63	190.34	477.77	713.29	643.78	69.51	10.262		
7,350.00	6,994.88	7,215.14	6,977.35	35.89	34.90	-88.91	188.60	434.87	714.74	644.41	70.33	10.163		
7,400.00	7,005.41	7,263.35	6,994.86	36.39	35.18	-89.30	186.77	390.01	715.75	644.52	71.23	10.048		
7,450.00	7,012.10	7,312.14	7,009.08	36.93	35.52	-89.79	184.87	343.38	716.31	644.09	72.22	9.919		
7,500.00	7,014.93	7,361.56	7,019.79	37.50	35.92	-90.39	182.90	295.20	716.43	643.15	73.28	9.776		
7,517.56	7,015.00	7,379.06	7,022.68	37.70	36.07	-90.62	182.20	277.95	716.37	642.69	73.67	9.724		
7,600.00	7,014.21	7,462.72	7,029.91	38.74	36.89	-91.26	178.81	194.73	715.92	640.30	75.62	9.468		
7,700.00	7,013.24	7,563.24	7,029.02	40.15	38.11	-91.27	174.72	94.30	715.22	636.94	78.28	9.137		
7,800.00	7,012.28	7,663.24	7,027.79	41.71	39.54	-91.25	170.65	-5.61	714.52	633.22	81.29	8.789		
7,900.00	7,011.31	7,763.24	7,026.55	43.40	41.19	-91.23	166.57	-105.51	713.81	629.16	84.65	8.432		
8,000.00	7,010.35	7,863.24	7,025.32	45.21	43.04	-91.21	162.50	-205.42	713.11	624.79	88.32	8.074		
8,100.00	7,009.38	7,963.23	7,024.09	47.12	45.06	-91.19	158.43	-305.33	712.40	620.15	92.25	7.722		
8,200.00	7,008.42	8,063.23	7,022.85	49.12	47.22	-91.17	154.36	-405.23	711.70	615.28	96.43	7.381		
8,300.00	7,007.45	8,163.23	7,021.62	51.21	49.52	-91.15	150.29	-505.14	711.00	610.19	100.80	7.053		
8,400.00	7,006.49	8,263.22	7,020.39	53.36	51.92	-91.13	146.22	-605.05	710.29	604.93	105.36	6.742		
8,500.00	7,005.52	8,363.22	7,019.15	55.57	54.42	-91.10	142.15	-704.95	709.59	599.51	110.07	6.446		
8,600.00	7,004.56	8,463.22	7,017.92	57.84	57.01	-91.08	138.07	-804.86	708.88	593.96	114.93	6.168		
8,700.00	7,003.59	8,563.22	7,016.69	60.16	59.66	-91.06	134.00	-904.77	708.18	588.28	119.90	5.906		
8,800.00	7,002.63	8,663.21	7,015.45	62.52	62.38	-91.04	129.93	-1,004.67	707.48	582.50	124.98	5.661		
8,900.00	7,001.66	8,763.21	7,014.22	64.92	65.16	-91.02	125.86	-1,104.58	706.77	576.62	130.15	5.430		
9,000.00	7,000.70	8,863.21	7,012.98	67.35	67.98	-91.00	121.79	-1,204.49	706.07	570.66	135.41	5.214		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	8,963.20	7,011.75	69.81	70.85	-90.98	117.72	-1,304.39	705.37	564.63	140.73	5.012		
9,200.00	6,998.77	9,063.20	7,010.52	72.31	73.76	-90.96	113.65	-1,404.30	704.66	558.54	146.13	4.822		
9,300.00	6,997.80	9,163.20	7,009.28	74.82	76.70	-90.94	109.58	-1,504.21	703.96	552.38	151.58	4.644		
9,400.00	6,996.84	9,263.20	7,008.05	77.36	79.66	-90.92	105.50	-1,604.11	703.26	546.17	157.08	4.477		
9,500.00	6,995.88	9,363.19	7,006.82	79.92	82.66	-90.90	101.43	-1,704.02	702.55	539.92	162.63	4.320		
9,600.00	6,994.91	9,463.19	7,005.58	82.49	85.68	-90.88	97.36	-1,803.93	701.85	533.62	168.23	4.172		
9,700.00	6,993.95	9,563.19	7,004.35	85.09	88.72	-90.85	93.29	-1,903.83	701.15	527.29	173.86	4.033		
9,800.00	6,992.98	9,663.18	7,003.12	87.70	91.77	-90.83	89.22	-2,003.74	700.44	520.92	179.52	3.902		
9,900.00	6,992.02	9,763.18	7,001.88	90.32	94.85	-90.81	85.15	-2,103.65	699.74	514.52	185.22	3.778		
10,000.00	6,991.05	9,863.18	7,000.65	92.95	97.94	-90.79	81.08	-2,203.55	699.04	508.09	190.94	3.661		
10,100.00	6,990.09	9,963.18	6,999.42	95.60	101.05	-90.77	77.00	-2,303.46	698.34	501.64	196.70	3.550		
10,200.00	6,989.12	10,063.17	6,998.18	98.26	104.17	-90.75	72.93	-2,403.37	697.63	495.16	202.47	3.446		
10,300.00	6,988.16	10,163.17	6,996.95	100.92	107.30	-90.73	68.86	-2,503.27	696.93	488.67	208.27	3.346		
10,400.00	6,987.19	10,263.17	6,995.71	103.60	110.44	-90.71	64.79	-2,603.18	696.23	482.15	214.08	3.252		
10,500.00	6,986.23	10,363.16	6,994.48	106.28	113.59	-90.68	60.72	-2,703.09	695.53	475.61	219.92	3.163		
10,600.00	6,985.26	10,463.16	6,993.25	108.98	116.75	-90.66	56.65	-2,802.99	694.83	469.06	225.77	3.078		
10,700.00	6,984.30	10,563.16	6,992.01	111.68	119.92	-90.64	52.58	-2,902.90	694.12	462.49	231.64	2.997		
10,800.00	6,983.33	10,663.16	6,990.78	114.38	123.10	-90.62	48.50	-3,002.81	693.42	455.90	237.52	2.919		
10,900.00	6,982.37	10,763.15	6,989.55	117.09	126.28	-90.60	44.43	-3,102.71	692.72	449.31	243.41	2.846		
11,000.00	6,981.40	10,863.15	6,988.31	119.81	129.47	-90.58	40.36	-3,202.62	692.02	442.70	249.32	2.776		
11,100.00	6,980.44	10,963.15	6,987.08	122.54	132.67	-90.55	36.29	-3,302.53	691.32	436.08	255.24	2.709		
11,200.00	6,979.47	11,063.15	6,985.85	125.26	135.87	-90.53	32.22	-3,402.43	690.62	429.45	261.17	2.644		
11,300.00	6,978.51	11,163.14	6,984.61	128.00	139.08	-90.51	28.15	-3,502.34	689.91	422.81	267.11	2.583		
11,400.00	6,977.54	11,263.14	6,983.38	130.73	142.30	-90.49	24.08	-3,602.25	689.21	416.15	273.06	2.524		
11,500.00	6,976.58	11,363.14	6,982.14	133.48	145.51	-90.47	20.01	-3,702.15	688.51	409.50	279.02	2.468		
11,600.00	6,975.62	11,463.13	6,980.91	136.22	148.74	-90.45	15.93	-3,802.06	687.81	402.83	284.98	2.414		
11,700.00	6,974.65	11,563.13	6,979.68	138.97	151.96	-90.42	11.86	-3,901.97	687.11	396.15	290.96	2.362		
11,800.00	6,973.69	11,663.13	6,978.44	141.73	155.19	-90.40	7.79	-4,001.87	686.41	389.47	296.94	2.312		
11,900.00	6,972.72	11,763.13	6,977.21	144.48	158.43	-90.38	3.72	-4,101.78	685.71	382.78	302.93	2.264		
12,000.00	6,971.76	11,863.12	6,975.98	147.24	161.66	-90.36	-0.35	-4,201.69	685.01	376.09	308.92	2.217		
12,100.00	6,970.79	11,963.12	6,974.74	150.00	164.90	-90.33	-4.42	-4,301.59	684.31	369.38	314.92	2.173		
12,200.00	6,969.83	12,063.12	6,973.51	152.77	168.15	-90.31	-8.49	-4,401.50	683.61	362.68	320.93	2.130		
12,300.00	6,968.86	12,163.11	6,972.28	155.54	171.39	-90.29	-12.57	-4,501.41	682.91	355.96	326.94	2.089		
12,400.00	6,967.90	12,263.11	6,971.04	158.31	174.64	-90.27	-16.64	-4,601.31	682.21	349.25	332.96	2.049		
12,500.00	6,966.93	12,363.11	6,969.81	161.08	177.89	-90.25	-20.71	-4,701.22	681.51	342.53	338.98	2.010		
12,600.00	6,965.97	12,463.11	6,968.57	163.85	181.14	-90.22	-24.78	-4,801.13	680.81	335.80	345.01	1.973		
12,700.00	6,965.00	12,563.10	6,967.34	166.63	184.40	-90.20	-28.85	-4,901.03	680.11	329.07	351.04	1.937		
12,800.00	6,964.04	12,663.10	6,966.11	169.41	187.66	-90.18	-32.92	-5,000.94	679.41	322.33	357.07	1.903		
12,900.00	6,963.07	12,763.10	6,964.87	172.19	190.92	-90.16	-36.99	-5,100.85	678.71	315.59	363.11	1.869		
13,000.00	6,962.11	12,863.09	6,963.64	174.97	194.18	-90.13	-41.07	-5,200.75	678.01	308.85	369.15	1.837		
13,100.00	6,961.14	12,963.09	6,962.41	177.76	197.44	-90.11	-45.14	-5,300.66	677.31	302.11	375.20	1.805		
13,200.00	6,960.18	13,063.09	6,961.17	180.54	200.71	-90.09	-49.21	-5,400.57	676.61	295.36	381.25	1.775		
13,300.00	6,959.21	13,163.09	6,959.94	183.33	203.98	-90.07	-53.28	-5,500.47	675.91	288.61	387.30	1.745		
13,400.00	6,958.25	13,263.08	6,958.71	186.12	207.24	-90.04	-57.35	-5,600.38	675.21	281.85	393.36	1.717		
13,500.00	6,957.28	13,363.08	6,957.47	188.91	210.52	-90.02	-61.42	-5,700.29	674.51	275.09	399.42	1.689		
13,600.00	6,956.32	13,463.08	6,956.24	191.70	213.79	-90.00	-65.49	-5,800.19	673.81	268.33	405.48	1.662		
13,700.00	6,955.35	13,563.08	6,955.00	194.49	217.06	-89.97	-69.56	-5,900.10	673.11	261.57	411.54	1.636		
13,800.00	6,954.39	13,663.07	6,953.77	197.29	220.33	-89.95	-73.64	-6,000.01	672.41	254.81	417.61	1.610		
13,900.00	6,953.43	13,763.07	6,952.54	200.08	223.61	-89.93	-77.71	-6,099.91	671.72	248.04	423.68	1.585		
14,000.00	6,952.46	13,863.07	6,951.30	202.88	226.89	-89.91	-81.78	-6,199.82	671.02	241.27	429.75	1.561		
14,100.00	6,951.50	13,963.06	6,950.07	205.68	230.16	-89.88	-85.85	-6,299.73	670.32	234.50	435.82	1.538		
14,200.00	6,950.53	14,063.06	6,948.84	208.48	233.44	-89.86	-89.92	-6,399.63	669.62	227.72	441.90	1.515		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	14,163.06	6,947.60	211.28	236.72	-89.84	-93.99	-6,499.54	668.92	220.95	447.97	1.493 Level 3		
14,400.00	6,948.60	14,263.06	6,946.37	214.08	240.00	-89.81	-98.06	-6,599.45	668.22	214.17	454.05	1.472 Level 3		
14,500.00	6,947.64	14,363.05	6,945.14	216.88	243.29	-89.79	-102.14	-6,699.35	667.53	207.39	460.14	1.451 Level 3		
14,600.00	6,946.67	14,463.05	6,943.90	219.68	246.57	-89.77	-106.21	-6,799.26	666.83	200.61	466.22	1.430 Level 3		
14,700.00	6,945.71	14,563.05	6,942.67	222.49	249.85	-89.74	-110.28	-6,899.17	666.13	193.83	472.30	1.410 Level 3		
14,800.00	6,944.74	14,663.04	6,941.43	225.29	253.14	-89.72	-114.35	-6,999.07	665.43	187.04	478.39	1.391 Level 3		
14,900.00	6,943.78	14,763.04	6,940.20	228.10	256.42	-89.70	-118.42	-7,098.98	664.73	180.26	484.48	1.372 Level 3		
15,000.00	6,942.81	14,863.04	6,938.97	230.90	259.71	-89.67	-122.49	-7,198.89	664.04	173.47	490.57	1.354 Level 3		
15,100.00	6,941.85	14,963.04	6,937.73	233.71	263.00	-89.65	-126.56	-7,298.79	663.34	166.68	496.66	1.336 Level 3		
15,200.00	6,940.88	15,063.03	6,936.50	236.52	266.28	-89.62	-130.64	-7,398.70	662.64	159.90	502.75	1.318 Level 3		
15,300.00	6,939.92	15,163.03	6,935.27	239.32	269.57	-89.60	-134.71	-7,498.61	661.95	153.10	508.84	1.301 Level 3		
15,400.00	6,938.95	15,263.03	6,934.03	242.13	272.86	-89.58	-138.78	-7,598.51	661.25	146.31	514.94	1.284 Level 3		
15,500.00	6,937.99	15,363.02	6,932.80	244.94	276.15	-89.55	-142.85	-7,698.42	660.55	139.52	521.03	1.268 Level 3		
15,600.00	6,937.02	15,463.02	6,931.57	247.75	279.44	-89.53	-146.92	-7,798.33	659.86	132.73	527.13	1.252 Level 3		
15,706.13	6,936.00	15,569.15	6,930.26	250.74	282.93	-89.50	-151.24	-7,904.36	659.12	125.52	533.60	1.235 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.41	-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		
300.00	300.00	300.00	300.00	3.44	3.44	-174.41	-119.49	-11.69	120.06	113.17	6.89	17.426 CC, ES		
400.00	399.98	397.30	397.28	3.60	3.59	138.49	-120.68	-10.54	122.47	115.27	7.20	17.012		
500.00	499.84	494.26	494.11	3.81	3.78	138.23	-124.23	-7.12	129.69	122.09	7.60	17.069		
600.00	599.45	590.56	590.06	4.05	4.00	137.83	-130.08	-1.46	141.69	133.61	8.08	17.543		
700.00	698.70	685.87	684.70	4.33	4.26	137.35	-138.16	6.33	158.42	149.80	8.62	18.376		
800.00	797.47	779.89	777.65	4.64	4.54	136.83	-148.34	16.16	179.80	170.59	9.22	19.509		
902.00	897.58	878.18	874.51	4.98	4.86	136.57	-160.36	27.77	205.46	195.59	9.87	20.825		
1,000.00	993.42	972.69	967.64	5.33	5.20	136.95	-171.93	38.95	231.36	220.83	10.53	21.979		
1,100.00	1,091.22	1,069.13	1,062.67	5.71	5.56	137.26	-183.74	50.35	257.79	246.55	11.23	22.949		
1,200.00	1,189.02	1,165.56	1,157.70	6.11	5.94	137.52	-195.54	61.75	284.23	272.25	11.97	23.744		
1,300.00	1,286.82	1,262.00	1,252.72	6.53	6.33	137.73	-207.35	73.15	310.67	297.93	12.73	24.398		
1,400.00	1,384.62	1,358.43	1,347.75	6.95	6.73	137.90	-219.16	84.56	337.11	323.60	13.52	24.940		
1,500.00	1,482.42	1,454.87	1,442.78	7.38	7.14	138.05	-230.97	95.96	363.56	349.24	14.32	25.391		
1,600.00	1,580.22	1,551.30	1,537.81	7.83	7.56	138.18	-242.77	107.36	390.01	374.88	15.13	25.769		
1,700.00	1,678.03	1,647.74	1,632.83	8.27	7.99	138.30	-254.58	118.76	416.46	400.50	15.96	26.089		
1,800.00	1,775.83	1,744.17	1,727.86	8.72	8.41	138.40	-266.39	130.17	442.91	426.11	16.80	26.360		
1,900.00	1,873.63	1,840.61	1,822.89	9.18	8.85	138.49	-278.20	141.57	469.37	451.72	17.65	26.591		
2,000.00	1,971.43	1,937.04	1,917.92	9.64	9.28	138.57	-290.00	152.97	495.82	477.32	18.51	26.790		
2,100.00	2,069.23	2,033.48	2,012.95	10.11	9.72	138.64	-301.81	164.37	522.28	502.91	19.37	26.962		
2,200.00	2,167.03	2,129.91	2,107.97	10.57	10.17	138.70	-313.62	175.77	548.74	528.50	20.24	27.111		
2,300.00	2,264.83	2,226.35	2,203.00	11.04	10.61	138.76	-325.43	187.18	575.19	554.08	21.11	27.242		
2,400.00	2,362.63	2,322.78	2,298.03	11.52	11.06	138.81	-337.23	198.58	601.65	579.66	21.99	27.356		
2,500.00	2,460.43	2,419.22	2,393.06	11.99	11.51	138.86	-349.04	209.98	628.11	605.23	22.88	27.457		
2,600.00	2,558.23	2,515.65	2,488.09	12.47	11.96	138.91	-360.85	221.38	654.57	630.80	23.76	27.546		
2,700.00	2,656.03	2,612.09	2,583.11	12.94	12.42	138.95	-372.65	232.79	681.02	656.37	24.65	27.624		
2,800.00	2,753.83	2,708.52	2,678.14	13.42	12.87	138.99	-384.46	244.19	707.48	681.94	25.55	27.695		
2,900.00	2,851.63	2,804.96	2,773.17	13.90	13.33	139.02	-396.27	255.59	733.94	707.50	26.44	27.758		
3,000.00	2,949.43	2,901.39	2,868.20	14.38	13.78	139.06	-408.08	266.99	760.40	733.06	27.34	27.814		
3,100.00	3,047.23	2,997.83	2,963.22	14.87	14.24	139.09	-419.88	278.39	786.86	758.62	28.24	27.865		
3,200.00	3,145.03	3,105.74	3,058.25	15.35	14.75	139.12	-431.69	289.80	813.32	784.13	29.19	27.860		
3,300.00	3,242.83	3,190.70	3,153.28	15.83	15.16	139.14	-443.50	301.20	839.78	809.74	30.04	27.952		
3,400.00	3,340.63	3,287.13	3,248.31	16.32	15.62	139.17	-455.31	312.60	866.24	835.29	30.95	27.990		
3,500.00	3,438.43	3,383.57	3,343.34	16.80	16.08	139.19	-467.11	324.00	892.70	860.85	31.86	28.024		
3,600.00	3,536.23	3,480.00	3,438.36	17.29	16.54	139.22	-478.92	335.41	919.16	886.40	32.76	28.055		
3,700.00	3,634.03	3,576.44	3,533.39	17.78	17.00	139.24	-490.73	346.81	945.62	911.95	33.67	28.083		
3,800.00	3,731.83	3,672.87	3,628.42	18.26	17.47	139.26	-502.54	358.21	972.08	937.50	34.58	28.109		
3,900.00	3,829.63	3,769.31	3,723.45	18.75	17.93	139.28	-514.34	369.61	998.54	963.05	35.49	28.133		
4,000.00	3,927.43	3,865.74	3,818.48	19.24	18.39	139.29	-526.15	381.02	1,025.01	988.60	36.41	28.155		
4,100.00	4,025.23	3,962.18	3,913.50	19.73	18.86	139.31	-537.96	392.42	1,051.47	1,014.15	37.32	28.175		
4,200.00	4,123.03	4,058.61	4,008.53	20.22	19.32	139.33	-549.77	403.82	1,077.93	1,039.69	38.23	28.194		
4,300.00	4,220.83	4,155.05	4,103.56	20.71	19.79	139.34	-561.57	415.22	1,104.39	1,065.24	39.15	28.211		
4,400.00	4,318.63	4,251.48	4,198.59	21.20	20.25	139.36	-573.38	426.62	1,130.85	1,090.79	40.06	28.227		
4,500.00	4,416.43	4,347.92	4,293.62	21.69	20.72	139.37	-585.19	438.03	1,157.31	1,116.33	40.98	28.241		
4,600.00	4,514.23	4,444.35	4,388.64	22.18	21.19	139.39	-596.99	449.43	1,183.77	1,141.88	41.90	28.255		
4,700.00	4,612.03	4,540.79	4,483.67	22.67	21.65	139.40	-608.80	460.83	1,210.23	1,167.42	42.81	28.267		
4,800.00	4,709.83	4,637.22	4,578.70	23.16	22.12	139.41	-620.61	472.23	1,236.70	1,192.96	43.73	28.279		
4,900.00	4,807.63	4,733.66	4,673.73	23.65	22.58	139.42	-632.42	483.64	1,263.16	1,218.51	44.65	28.290		
5,000.00	4,905.43	4,830.09	4,768.75	24.14	23.05	139.43	-644.22	495.04	1,289.62	1,244.05	45.57	28.300		
5,100.00	5,003.23	4,926.53	4,863.78	24.63	23.52	139.45	-656.03	506.44	1,316.08	1,269.59	46.49	28.309		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,022.96	4,958.81	25.12	23.99	139.46	-667.84	517.84	1,342.54	1,295.13	47.41	28.318		
5,300.00	5,198.83	5,119.40	5,053.84	25.62	24.45	139.47	-679.65	529.24	1,369.00	1,320.67	48.33	28.326		
5,400.00	5,296.63	5,215.83	5,148.87	26.11	24.92	139.48	-691.45	540.65	1,395.47	1,346.22	49.25	28.334		
5,500.00	5,394.43	5,312.27	5,243.89	26.60	25.39	139.48	-703.26	552.05	1,421.93	1,371.76	50.17	28.341		
5,600.00	5,492.23	5,408.70	5,338.92	27.09	25.86	139.49	-715.07	563.45	1,448.39	1,397.30	51.09	28.348		
5,700.00	5,590.03	5,505.14	5,433.95	27.58	26.33	139.50	-726.88	574.85	1,474.85	1,422.84	52.02	28.354		
5,800.00	5,687.83	5,601.57	5,528.98	28.08	26.79	139.51	-738.68	586.26	1,501.31	1,448.38	52.94	28.360		
5,900.00	5,785.63	5,701.99	5,624.01	28.57	27.28	139.52	-750.49	597.66	1,527.78	1,473.90	53.88	28.355		
6,000.00	5,883.43	5,794.44	5,719.03	29.06	27.73	139.53	-762.30	609.06	1,554.24	1,499.45	54.78	28.370		
6,100.00	5,981.23	5,909.12	5,814.06	29.56	28.29	139.53	-774.11	620.46	1,580.70	1,524.91	55.79	28.331		
6,200.00	6,079.04	5,987.31	5,909.09	30.05	28.67	139.54	-785.91	631.86	1,607.16	1,550.53	56.63	28.380		
6,300.00	6,176.84	6,083.75	6,004.12	30.54	29.14	139.55	-797.72	643.27	1,633.62	1,576.07	57.55	28.384		
6,409.71	6,284.13	6,189.55	6,108.37	31.08	29.65	139.56	-810.67	655.78	1,662.65	1,604.09	58.57	28.388		
6,450.00	6,323.71	6,228.43	6,146.69	31.28	29.84	154.63	-815.43	660.37	1,673.13	1,614.19	58.94	28.389		
6,500.00	6,373.15	6,276.59	6,194.15	31.50	30.08	-176.89	-821.33	666.07	1,685.56	1,626.18	59.38	28.388		
6,550.00	6,422.65	6,324.38	6,241.24	31.70	30.31	-145.04	-827.18	671.72	1,697.33	1,637.53	59.80	28.384		
6,600.00	6,471.92	6,371.50	6,287.67	31.89	30.54	-123.02	-832.95	677.29	1,708.42	1,648.21	60.21	28.373		
6,650.00	6,520.65	6,417.67	6,333.16	32.07	30.76	-110.33	-838.60	682.75	1,718.85	1,658.24	60.62	28.357		
6,700.00	6,568.54	6,462.58	6,377.42	32.25	30.98	-102.79	-844.10	688.06	1,728.65	1,667.64	61.01	28.333		
6,750.00	6,615.30	6,505.98	6,420.19	32.43	31.19	-98.00	-849.42	693.19	1,737.88	1,676.48	61.40	28.303		
6,800.00	6,660.63	6,547.59	6,461.19	32.61	31.40	-94.80	-854.51	698.11	1,746.62	1,684.83	61.79	28.269		
6,850.00	6,704.26	6,587.15	6,500.17	32.80	31.59	-92.57	-859.36	702.79	1,754.95	1,692.78	62.17	28.229		
6,900.00	6,745.92	6,618.28	6,530.94	33.00	31.73	-90.81	-863.20	705.47	1,763.05	1,700.56	62.48	28.216		
6,950.00	6,785.34	6,650.93	6,563.31	33.21	31.88	-89.52	-867.28	706.67	1,770.98	1,708.14	62.84	28.184		
7,000.00	6,822.30	6,684.39	6,596.50	33.44	32.02	-88.55	-871.51	706.16	1,778.74	1,715.53	63.22	28.137		
7,050.00	6,856.55	6,718.84	6,630.58	33.69	32.15	-87.85	-875.88	703.80	1,786.33	1,722.69	63.64	28.070		
7,100.00	6,887.90	6,754.47	6,665.64	33.97	32.28	-87.36	-880.43	699.41	1,793.74	1,729.63	64.11	27.980		
7,150.00	6,916.14	6,791.53	6,701.79	34.28	32.41	-87.06	-885.16	692.75	1,800.97	1,736.34	64.63	27.866		
7,200.00	6,941.10	6,830.34	6,739.15	34.62	32.54	-86.92	-890.11	683.52	1,808.01	1,742.81	65.21	27.728		
7,250.00	6,962.63	6,871.31	6,777.90	35.00	32.67	-86.95	-895.30	671.30	1,814.86	1,749.02	65.84	27.565		
7,300.00	6,980.59	6,914.98	6,818.25	35.43	32.81	-87.13	-900.76	655.54	1,821.49	1,754.96	66.53	27.379		
7,350.00	6,994.88	6,962.05	6,860.42	35.89	32.96	-87.47	-906.56	635.47	1,827.89	1,760.62	67.27	27.173		
7,400.00	7,005.41	7,013.51	6,904.69	36.39	33.12	-87.99	-912.74	610.01	1,834.02	1,765.96	68.06	26.947		
7,450.00	7,012.10	7,070.67	6,951.28	36.93	33.29	-88.71	-919.36	577.59	1,839.83	1,770.93	68.89	26.705		
7,500.00	7,014.93	7,135.37	7,000.27	37.50	33.50	-89.65	-926.50	535.98	1,845.23	1,775.46	69.77	26.446		
7,517.56	7,015.00	7,160.33	7,018.01	37.70	33.58	-90.04	-929.14	518.62	1,847.01	1,776.92	70.10	26.349		
7,600.00	7,014.21	7,306.11	7,106.99	38.74	34.16	-92.83	-942.95	404.38	1,854.72	1,782.85	71.87	25.805		
7,700.00	7,013.24	7,557.18	7,192.48	40.15	35.88	-95.53	-958.96	170.59	1,859.79	1,784.51	75.28	24.706		
7,800.00	7,012.28	7,729.60	7,198.88	41.71	37.72	-95.78	-963.57	-1.36	1,857.67	1,778.82	78.85	23.560		
7,900.00	7,011.31	7,829.56	7,197.06	43.40	39.04	-95.77	-965.54	-101.28	1,854.80	1,772.89	81.91	22.644		
8,000.00	7,010.35	7,929.52	7,195.25	45.21	40.53	-95.75	-967.52	-201.21	1,851.94	1,766.69	85.24	21.725		
8,100.00	7,009.38	8,029.48	7,193.43	47.12	42.17	-95.73	-969.49	-301.13	1,849.07	1,760.26	88.81	20.820		
8,200.00	7,008.42	8,129.43	7,191.61	49.12	43.94	-95.71	-971.47	-401.05	1,846.21	1,753.61	92.59	19.939		
8,300.00	7,007.45	8,229.39	7,189.80	51.21	45.82	-95.70	-973.44	-500.97	1,843.34	1,746.78	96.56	19.090		
8,400.00	7,006.49	8,329.35	7,187.98	53.36	47.80	-95.68	-975.42	-600.89	1,840.48	1,739.79	100.69	18.279		
8,500.00	7,005.52	8,429.31	7,186.16	55.57	49.87	-95.66	-977.39	-700.81	1,837.61	1,732.65	104.96	17.507		
8,600.00	7,004.56	8,529.26	7,184.35	57.84	52.01	-95.64	-979.37	-800.73	1,834.75	1,725.38	109.36	16.777		
8,700.00	7,003.59	8,629.22	7,182.53	60.16	54.21	-95.62	-981.34	-900.66	1,831.88	1,718.00	113.88	16.086		
8,800.00	7,002.63	8,729.18	7,180.71	62.52	56.48	-95.61	-983.32	-1,000.58	1,829.02	1,710.53	118.49	15.436		
8,900.00	7,001.66	8,829.13	7,178.90	64.92	58.79	-95.59	-985.30	-1,100.50	1,826.15	1,702.96	123.19	14.824		
9,000.00	7,000.70	8,929.09	7,177.08	67.35	61.15	-95.57	-987.27	-1,200.42	1,823.29	1,695.32	127.97	14.247		
9,100.00	6,999.73	9,029.05	7,175.27	69.81	63.55	-95.55	-989.25	-1,300.34	1,820.42	1,687.60	132.83	13.705		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	9,129.01	7,173.45	72.31	65.99	-95.53	-991.22	-1,400.26	1,817.56	1,679.82	137.74	13.196		
9,300.00	6,997.80	9,228.96	7,171.63	74.82	68.46	-95.52	-993.20	-1,500.18	1,814.70	1,671.99	142.71	12.716		
9,400.00	6,996.84	9,328.92	7,169.82	77.36	70.95	-95.50	-995.17	-1,600.10	1,811.83	1,664.10	147.73	12.265		
9,500.00	6,995.88	9,428.88	7,168.00	79.92	73.48	-95.48	-997.15	-1,700.03	1,808.97	1,656.18	152.80	11.839		
9,600.00	6,994.91	9,528.84	7,166.18	82.49	76.02	-95.46	-999.12	-1,799.95	1,806.11	1,648.20	157.90	11.438		
9,700.00	6,993.95	9,628.79	7,164.37	85.09	78.59	-95.44	-1,001.10	-1,899.87	1,803.25	1,640.20	163.05	11.060		
9,800.00	6,992.98	9,728.75	7,162.55	87.70	81.17	-95.42	-1,003.07	-1,999.79	1,800.38	1,632.16	168.23	10.702		
9,900.00	6,992.02	9,828.71	7,160.73	90.32	83.77	-95.40	-1,005.05	-2,099.71	1,797.52	1,624.08	173.44	10.364		
10,000.00	6,991.05	9,928.67	7,158.92	92.95	86.39	-95.39	-1,007.02	-2,199.63	1,794.66	1,615.98	178.67	10.044		
10,100.00	6,990.09	10,028.62	7,157.10	95.60	89.02	-95.37	-1,009.00	-2,299.55	1,791.80	1,607.86	183.94	9.741		
10,200.00	6,989.12	10,128.58	7,155.28	98.26	91.67	-95.35	-1,010.97	-2,399.47	1,788.93	1,599.71	189.22	9.454		
10,300.00	6,988.16	10,228.54	7,153.47	100.92	94.32	-95.33	-1,012.95	-2,499.40	1,786.07	1,591.54	194.53	9.181		
10,400.00	6,987.19	10,328.49	7,151.65	103.60	96.99	-95.31	-1,014.93	-2,599.32	1,783.21	1,583.35	199.86	8.922		
10,500.00	6,986.23	10,428.45	7,149.84	106.28	99.67	-95.29	-1,016.90	-2,699.24	1,780.35	1,575.14	205.21	8.676		
10,600.00	6,985.26	10,528.41	7,148.02	108.98	102.35	-95.27	-1,018.88	-2,799.16	1,777.49	1,566.91	210.57	8.441		
10,700.00	6,984.30	10,628.37	7,146.20	111.68	105.05	-95.25	-1,020.85	-2,899.08	1,774.63	1,558.67	215.95	8.218		
10,800.00	6,983.33	10,728.32	7,144.39	114.38	107.75	-95.23	-1,022.83	-2,999.00	1,771.77	1,550.42	221.35	8.004		
10,900.00	6,982.37	10,828.28	7,142.57	117.09	110.46	-95.21	-1,024.80	-3,098.92	1,768.91	1,542.15	226.76	7.801		
11,000.00	6,981.40	10,928.24	7,140.75	119.81	113.18	-95.20	-1,026.78	-3,198.84	1,766.05	1,533.87	232.18	7.606		
11,100.00	6,980.44	11,028.20	7,138.94	122.54	115.90	-95.18	-1,028.75	-3,298.77	1,763.19	1,525.57	237.61	7.420		
11,200.00	6,979.47	11,128.15	7,137.12	125.26	118.63	-95.16	-1,030.73	-3,398.69	1,760.33	1,517.27	243.06	7.242		
11,300.00	6,978.51	11,228.11	7,135.30	128.00	121.36	-95.14	-1,032.70	-3,498.61	1,757.47	1,508.95	248.51	7.072		
11,400.00	6,977.54	11,328.07	7,133.49	130.73	124.10	-95.12	-1,034.68	-3,598.53	1,754.61	1,500.63	253.98	6.909		
11,500.00	6,976.58	11,428.02	7,131.67	133.48	126.84	-95.10	-1,036.65	-3,698.45	1,751.75	1,492.30	259.45	6.752		
11,600.00	6,975.62	11,527.98	7,129.86	136.22	129.59	-95.08	-1,038.63	-3,798.37	1,748.89	1,483.96	264.93	6.601		
11,700.00	6,974.65	11,627.94	7,128.04	138.97	132.34	-95.06	-1,040.60	-3,898.29	1,746.03	1,475.61	270.42	6.457		
11,800.00	6,973.69	11,727.90	7,126.22	141.73	135.10	-95.04	-1,042.58	-3,998.21	1,743.17	1,467.25	275.92	6.318		
11,900.00	6,972.72	11,827.85	7,124.41	144.48	137.86	-95.02	-1,044.56	-4,098.14	1,740.31	1,458.89	281.43	6.184		
12,000.00	6,971.76	11,927.81	7,122.59	147.24	140.62	-95.00	-1,046.53	-4,198.06	1,737.45	1,450.52	286.94	6.055		
12,100.00	6,970.79	12,027.77	7,120.77	150.00	143.39	-94.98	-1,048.51	-4,297.98	1,734.60	1,442.14	292.46	5.931		
12,200.00	6,969.83	12,127.73	7,118.96	152.77	146.16	-94.96	-1,050.48	-4,397.90	1,731.74	1,433.76	297.98	5.812		
12,300.00	6,968.86	12,227.68	7,117.14	155.54	148.93	-94.94	-1,052.46	-4,497.82	1,728.88	1,425.37	303.51	5.696		
12,400.00	6,967.90	12,327.64	7,115.32	158.31	151.71	-94.92	-1,054.43	-4,597.74	1,726.02	1,416.98	309.05	5.585		
12,500.00	6,966.93	12,427.60	7,113.51	161.08	154.49	-94.90	-1,056.41	-4,697.66	1,723.17	1,408.58	314.59	5.478		
12,600.00	6,965.97	12,527.56	7,111.69	163.85	157.27	-94.88	-1,058.38	-4,797.59	1,720.31	1,400.18	320.13	5.374		
12,700.00	6,965.00	12,627.51	7,109.87	166.63	160.05	-94.86	-1,060.36	-4,897.51	1,717.45	1,391.77	325.68	5.273		
12,800.00	6,964.04	12,727.47	7,108.06	169.41	162.83	-94.84	-1,062.33	-4,997.43	1,714.59	1,383.36	331.24	5.176		
12,900.00	6,963.07	12,827.43	7,106.24	172.19	165.62	-94.82	-1,064.31	-5,097.35	1,711.74	1,374.94	336.80	5.082		
13,000.00	6,962.11	12,927.38	7,104.43	174.97	168.41	-94.80	-1,066.28	-5,197.27	1,708.88	1,366.52	342.36	4.991		
13,100.00	6,961.14	13,027.34	7,102.61	177.76	171.20	-94.77	-1,068.26	-5,297.19	1,706.03	1,358.10	347.93	4.903		
13,200.00	6,960.18	13,127.30	7,100.79	180.54	173.99	-94.75	-1,070.23	-5,397.11	1,703.17	1,349.67	353.50	4.818		
13,300.00	6,959.21	13,227.26	7,098.98	183.33	176.79	-94.73	-1,072.21	-5,497.03	1,700.32	1,341.24	359.07	4.735		
13,400.00	6,958.25	13,327.21	7,097.16	186.12	179.58	-94.71	-1,074.19	-5,596.96	1,697.46	1,332.81	364.65	4.655		
13,500.00	6,957.28	13,427.17	7,095.34	188.91	182.38	-94.69	-1,076.16	-5,696.88	1,694.61	1,324.37	370.23	4.577		
13,600.00	6,956.32	13,527.13	7,093.53	191.70	185.18	-94.67	-1,078.14	-5,796.80	1,691.75	1,315.93	375.82	4.502		
13,700.00	6,955.35	13,627.09	7,091.71	194.49	187.98	-94.65	-1,080.11	-5,896.72	1,688.90	1,307.49	381.40	4.428		
13,800.00	6,954.39	13,727.04	7,089.89	197.29	190.78	-94.63	-1,082.09	-5,996.64	1,686.04	1,299.05	386.99	4.357		
13,900.00	6,953.43	13,827.00	7,088.08	200.08	193.59	-94.61	-1,084.06	-6,096.56	1,683.19	1,290.60	392.59	4.287		
14,000.00	6,952.46	13,926.96	7,086.26	202.88	196.39	-94.59	-1,086.04	-6,196.48	1,680.33	1,282.15	398.18	4.220		
14,100.00	6,951.50	14,026.92	7,084.45	205.68	199.20	-94.56	-1,088.01	-6,296.40	1,677.48	1,273.70	403.78	4.154		
14,200.00	6,950.53	14,126.87	7,082.63	208.48	202.01	-94.54	-1,089.99	-6,396.33	1,674.63	1,265.25	409.38	4.091		
14,300.00	6,949.57	14,226.83	7,080.81	211.28	204.81	-94.52	-1,091.96	-6,496.25	1,671.77	1,256.79	414.98	4.029		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 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	
14,400.00	6,948.60	14,326.79	7,079.00	214.08	207.62	-94.50	-1,093.94	-6,596.17	1,668.92	1,248.33	420.59	3.968	
14,500.00	6,947.64	14,426.74	7,077.18	216.88	210.43	-94.48	-1,095.91	-6,696.09	1,666.07	1,239.87	426.20	3.909	
14,600.00	6,946.67	14,526.70	7,075.36	219.68	213.24	-94.46	-1,097.89	-6,796.01	1,663.22	1,231.41	431.81	3.852	
14,700.00	6,945.71	14,626.66	7,073.55	222.49	216.06	-94.43	-1,099.87	-6,895.93	1,660.36	1,222.95	437.42	3.796	
14,800.00	6,944.74	14,726.62	7,071.73	225.29	218.87	-94.41	-1,101.84	-6,995.85	1,657.51	1,214.48	443.03	3.741	
14,900.00	6,943.78	14,826.57	7,069.91	228.10	221.68	-94.39	-1,103.82	-7,095.77	1,654.66	1,206.01	448.65	3.688	
15,000.00	6,942.81	14,926.53	7,068.10	230.90	224.50	-94.37	-1,105.79	-7,195.70	1,651.81	1,197.54	454.27	3.636	
15,100.00	6,941.85	15,026.49	7,066.28	233.71	227.31	-94.35	-1,107.77	-7,295.62	1,648.96	1,189.07	459.88	3.586	
15,200.00	6,940.88	15,126.45	7,064.46	236.52	230.13	-94.32	-1,109.74	-7,395.54	1,646.11	1,180.60	465.51	3.536	
15,300.00	6,939.92	15,226.40	7,062.65	239.32	232.94	-94.30	-1,111.72	-7,495.46	1,643.26	1,172.13	471.13	3.488	
15,400.00	6,938.95	15,326.36	7,060.83	242.13	235.76	-94.28	-1,113.69	-7,595.38	1,640.41	1,163.65	476.75	3.441	
15,500.00	6,937.99	15,426.32	7,059.02	244.94	238.58	-94.26	-1,115.67	-7,695.30	1,637.55	1,155.18	482.38	3.395	
15,600.00	6,937.02	15,526.27	7,057.20	247.75	241.40	-94.23	-1,117.64	-7,795.22	1,634.70	1,146.70	488.01	3.350	
15,706.13	6,936.00	15,632.36	7,055.27	250.74	244.39	-94.21	-1,119.74	-7,901.27	1,631.68	1,137.70	493.98	3.303 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.37	-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		
300.00	300.00	300.00	300.00	3.44	3.44	-174.37	-104.55	-10.30	105.06	98.17	6.89	15.249 CC, ES		
400.00	399.98	397.92	397.90	3.60	3.59	138.46	-105.63	-9.02	107.34	100.14	7.20	14.909		
500.00	499.84	495.53	495.37	3.81	3.78	138.01	-108.85	-5.20	114.16	106.57	7.60	15.025		
600.00	599.45	592.53	592.02	4.05	4.01	137.35	-114.17	1.11	125.52	117.44	8.08	15.540		
700.00	698.70	688.64	687.45	4.33	4.27	136.58	-121.51	9.83	141.37	132.74	8.62	16.394		
800.00	797.47	786.47	781.24	4.64	4.56	135.77	-130.78	20.84	161.65	152.42	9.23	17.511		
902.00	897.58	882.61	878.90	4.98	4.88	135.38	-141.53	33.61	185.87	175.99	9.88	18.817		
1,000.00	993.42	977.49	972.43	5.33	5.22	135.68	-151.83	45.84	210.35	199.81	10.54	19.948		
1,100.00	1,091.22	1,074.32	1,067.87	5.71	5.59	135.93	-162.33	58.32	235.33	224.08	11.26	20.902		
1,200.00	1,189.02	1,171.14	1,163.31	6.11	5.97	136.13	-172.84	70.80	260.32	248.32	12.00	21.688		
1,300.00	1,286.82	1,267.97	1,258.75	6.53	6.36	136.29	-183.35	83.27	285.31	272.54	12.77	22.338		
1,400.00	1,384.62	1,364.79	1,354.19	6.95	6.76	136.43	-193.86	95.75	310.30	296.74	13.56	22.879		
1,500.00	1,482.42	1,461.61	1,449.63	7.38	7.17	136.55	-204.37	108.23	335.30	320.93	14.37	23.332		
1,600.00	1,580.22	1,558.44	1,545.07	7.83	7.59	136.65	-214.88	120.71	360.29	345.10	15.19	23.714		
1,700.00	1,678.03	1,655.26	1,640.51	8.27	8.02	136.74	-225.38	133.19	385.29	369.26	16.03	24.038		
1,800.00	1,775.83	1,752.09	1,735.95	8.72	8.45	136.82	-235.89	145.67	410.28	393.41	16.87	24.315		
1,900.00	1,873.63	1,848.91	1,831.39	9.18	8.88	136.88	-246.40	158.15	435.28	417.55	17.73	24.553		
2,000.00	1,971.43	1,945.74	1,926.83	9.64	9.32	136.94	-256.91	170.63	460.27	441.68	18.59	24.759		
2,100.00	2,069.23	2,042.56	2,022.27	10.11	9.76	137.00	-267.42	183.10	485.27	465.81	19.46	24.938		
2,200.00	2,167.03	2,139.38	2,117.71	10.57	10.21	137.05	-277.92	195.58	510.27	489.94	20.33	25.094		
2,300.00	2,264.83	2,236.21	2,213.15	11.04	10.65	137.09	-288.43	208.06	535.27	514.05	21.21	25.231		
2,400.00	2,362.63	2,333.03	2,308.59	11.52	11.10	137.13	-298.94	220.54	560.27	538.17	22.10	25.352		
2,500.00	2,460.43	2,429.86	2,404.03	11.99	11.55	137.17	-309.45	233.02	585.27	562.28	22.99	25.460		
2,600.00	2,558.23	2,526.68	2,499.47	12.47	12.00	137.21	-319.96	245.50	610.26	586.38	23.88	25.555		
2,700.00	2,656.03	2,623.51	2,594.91	12.94	12.46	137.24	-330.46	257.98	635.26	610.49	24.78	25.641		
2,800.00	2,753.83	2,720.33	2,690.35	13.42	12.91	137.27	-340.97	270.46	660.26	634.59	25.67	25.717		
2,900.00	2,851.63	2,817.15	2,785.79	13.90	13.37	137.29	-351.48	282.93	685.26	658.69	26.57	25.786		
3,000.00	2,949.43	2,913.98	2,881.23	14.38	13.83	137.32	-361.99	295.41	710.26	682.78	27.48	25.849		
3,100.00	3,047.23	3,010.80	2,976.67	14.87	14.29	137.34	-372.50	307.89	735.26	706.88	28.38	25.905		
3,200.00	3,145.03	3,107.63	3,072.11	15.35	14.75	137.36	-383.01	320.37	760.26	730.97	29.29	25.956		
3,300.00	3,242.83	3,204.45	3,167.55	15.83	15.21	137.38	-393.51	332.85	785.26	755.06	30.20	26.003		
3,400.00	3,340.63	3,301.28	3,262.99	16.32	15.67	137.40	-404.02	345.33	810.26	779.15	31.11	26.046		
3,500.00	3,438.43	3,401.90	3,358.43	16.80	16.15	137.42	-414.53	357.81	835.26	803.22	32.04	26.070		
3,600.00	3,536.23	3,494.92	3,453.87	17.29	16.59	137.44	-425.04	370.29	860.26	827.33	32.93	26.120		
3,700.00	3,634.03	3,608.25	3,549.31	17.78	17.14	137.45	-435.55	382.77	885.26	851.34	33.93	26.094		
3,800.00	3,731.83	3,688.57	3,644.75	18.26	17.52	137.47	-446.05	395.24	910.26	875.50	34.76	26.184		
3,900.00	3,829.63	3,785.40	3,740.19	18.75	17.99	137.48	-456.56	407.72	935.26	899.58	35.68	26.212		
4,000.00	3,927.43	3,882.22	3,835.63	19.24	18.45	137.50	-467.07	420.20	960.26	923.66	36.60	26.238		
4,100.00	4,025.23	3,979.05	3,931.07	19.73	18.92	137.51	-477.58	432.68	985.26	947.75	37.52	26.262		
4,200.00	4,123.03	4,075.87	4,026.51	20.22	19.38	137.52	-488.09	445.16	1,010.26	971.83	38.44	26.284		
4,300.00	4,220.83	4,172.69	4,121.95	20.71	19.85	137.53	-498.60	457.64	1,035.26	995.91	39.36	26.305		
4,400.00	4,318.63	4,269.52	4,217.39	21.20	20.31	137.55	-509.10	470.12	1,060.26	1,019.99	40.28	26.324		
4,500.00	4,416.43	4,366.34	4,312.83	21.69	20.78	137.56	-519.61	482.60	1,085.26	1,044.07	41.20	26.342		
4,600.00	4,514.23	4,463.17	4,408.27	22.18	21.25	137.57	-530.12	495.07	1,110.27	1,068.14	42.12	26.359		
4,700.00	4,612.03	4,559.99	4,503.71	22.67	21.71	137.58	-540.63	507.55	1,135.27	1,092.22	43.04	26.375		
4,800.00	4,709.83	4,656.81	4,599.15	23.16	22.18	137.59	-551.14	520.03	1,160.27	1,116.30	43.97	26.390		
4,900.00	4,807.63	4,753.64	4,694.59	23.65	22.65	137.59	-561.64	532.51	1,185.27	1,140.38	44.89	26.404		
5,000.00	4,905.43	4,850.46	4,790.03	24.14	23.12	137.60	-572.15	544.99	1,210.27	1,164.45	45.81	26.417		
5,100.00	5,003.23	4,947.29	4,885.47	24.63	23.59	137.61	-582.66	557.47	1,235.27	1,188.53	46.74	26.429		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,044.11	4,980.91	25.12	24.05	137.62	-593.17	569.95	1,260.27	1,212.60	47.66	26.440		
5,300.00	5,198.83	5,140.94	5,076.35	25.62	24.52	137.63	-603.68	582.43	1,285.27	1,236.68	48.59	26.451		
5,400.00	5,296.63	5,237.76	5,171.79	26.11	24.99	137.63	-614.18	594.91	1,310.27	1,260.75	49.52	26.461		
5,500.00	5,394.43	5,334.58	5,267.23	26.60	25.46	137.64	-624.69	607.38	1,335.27	1,284.83	50.44	26.471		
5,600.00	5,492.23	5,431.41	5,362.67	27.09	25.93	137.65	-635.20	619.86	1,360.27	1,308.90	51.37	26.480		
5,700.00	5,590.03	5,528.23	5,458.11	27.58	26.40	137.65	-645.71	632.34	1,385.27	1,332.98	52.30	26.489		
5,800.00	5,687.83	5,625.06	5,553.55	28.08	26.87	137.66	-656.22	644.82	1,410.27	1,357.05	53.22	26.497		
5,900.00	5,785.63	5,721.88	5,648.99	28.57	27.34	137.67	-666.73	657.30	1,435.28	1,381.12	54.15	26.505		
6,000.00	5,883.43	5,818.71	5,744.43	29.06	27.81	137.67	-677.23	669.78	1,460.28	1,405.20	55.08	26.512		
6,100.00	5,981.23	5,915.53	5,839.87	29.56	28.28	137.68	-687.74	682.26	1,485.28	1,429.27	56.01	26.519		
6,200.00	6,079.04	6,012.35	5,935.31	30.05	28.75	137.68	-698.25	694.74	1,510.28	1,453.34	56.94	26.525		
6,300.00	6,176.84	6,109.18	6,030.75	30.54	29.22	137.69	-708.76	707.21	1,535.28	1,477.41	57.87	26.532		
6,409.71	6,284.13	6,215.40	6,135.45	31.08	29.73	137.69	-720.29	720.90	1,562.71	1,503.82	58.89	26.538		
6,450.00	6,323.71	6,250.00	6,169.57	31.28	29.90	152.73	-724.05	725.26	1,572.65	1,513.44	59.21	26.560		
6,500.00	6,373.15	6,286.57	6,205.78	31.50	30.07	-178.71	-728.09	728.27	1,584.82	1,525.29	59.53	26.622		
6,550.00	6,422.65	6,322.78	6,241.75	31.70	30.22	-146.65	-732.17	729.19	1,596.80	1,536.98	59.82	26.693		
6,600.00	6,471.92	6,359.09	6,277.80	31.89	30.37	-124.28	-736.32	728.05	1,608.52	1,548.42	60.10	26.765		
6,650.00	6,520.65	6,395.54	6,313.85	32.07	30.50	-111.15	-740.54	724.82	1,619.91	1,559.55	60.36	26.835		
6,700.00	6,568.54	6,432.17	6,349.83	32.25	30.63	-103.07	-744.82	719.49	1,630.93	1,570.30	60.63	26.899		
6,750.00	6,615.30	6,469.02	6,385.66	32.43	30.75	-97.69	-749.14	712.03	1,641.51	1,580.60	60.91	26.951		
6,800.00	6,660.63	6,506.16	6,421.25	32.61	30.88	-93.87	-753.51	702.42	1,651.59	1,590.40	61.19	26.991		
6,850.00	6,704.26	6,543.61	6,456.52	32.80	31.00	-91.02	-757.91	690.63	1,661.15	1,599.65	61.49	27.013		
6,900.00	6,745.92	6,581.44	6,491.38	33.00	31.12	-88.83	-762.33	676.62	1,670.12	1,608.30	61.82	27.016		
6,950.00	6,785.34	6,619.70	6,525.71	33.21	31.25	-87.12	-766.76	660.35	1,678.47	1,616.29	62.17	26.996		
7,000.00	6,822.30	6,658.43	6,559.42	33.44	31.37	-85.78	-771.20	641.80	1,686.16	1,623.59	62.56	26.951		
7,050.00	6,856.55	6,697.71	6,592.38	33.69	31.50	-84.73	-775.62	620.91	1,693.16	1,630.16	63.00	26.876		
7,100.00	6,887.90	6,737.58	6,624.45	33.97	31.64	-83.92	-780.01	597.65	1,699.45	1,635.96	63.48	26.770		
7,150.00	6,916.14	6,778.10	6,655.50	34.28	31.78	-83.32	-784.37	571.98	1,704.99	1,640.96	64.03	26.630		
7,200.00	6,941.10	6,819.35	6,685.36	34.62	31.94	-82.92	-788.66	543.87	1,709.77	1,645.14	64.63	26.455		
7,250.00	6,962.63	6,861.39	6,713.86	35.00	32.10	-82.69	-792.88	513.26	1,713.77	1,648.46	65.30	26.243		
7,300.00	6,980.59	6,904.29	6,740.80	35.43	32.29	-82.61	-797.00	480.14	1,716.98	1,650.93	66.05	25.995		
7,350.00	6,994.88	6,948.12	6,765.97	35.89	32.51	-82.69	-801.00	444.49	1,719.38	1,652.51	66.87	25.711		
7,400.00	7,005.41	6,992.97	6,789.13	36.39	32.76	-82.91	-804.84	406.29	1,720.98	1,653.21	67.78	25.392		
7,450.00	7,012.10	7,038.91	6,810.01	36.93	33.04	-83.27	-808.51	365.55	1,721.77	1,653.01	68.75	25.042		
7,500.00	7,014.93	7,086.02	6,828.33	37.50	33.38	-83.77	-811.96	322.29	1,721.74	1,651.94	69.81	24.665		
7,517.56	7,015.00	7,102.86	6,834.10	37.70	33.50	-83.98	-813.12	306.52	1,721.54	1,651.36	70.19	24.528		
7,600.00	7,014.21	7,185.58	6,856.31	38.74	34.22	-84.74	-818.15	227.05	1,720.48	1,648.33	72.15	23.846		
7,700.00	7,013.24	7,292.33	6,869.53	40.15	35.32	-85.21	-822.99	121.36	1,719.10	1,644.28	74.82	22.977		
7,800.00	7,012.28	7,404.80	6,869.04	41.71	36.68	-85.22	-826.16	18.56	1,717.38	1,639.57	77.82	22.070		
7,900.00	7,011.31	7,504.82	6,867.61	43.40	38.09	-85.20	-829.14	-81.37	1,715.64	1,634.68	80.96	21.192		
8,000.00	7,010.35	7,604.84	6,866.19	45.21	39.66	-85.18	-832.12	-181.30	1,713.89	1,629.53	84.37	20.315		
8,100.00	7,009.38	7,704.85	6,864.76	47.12	41.38	-85.16	-835.10	-281.23	1,712.15	1,624.14	88.01	19.455		
8,200.00	7,008.42	7,795.13	6,863.34	49.12	43.03	-85.14	-838.09	-381.16	1,710.40	1,618.73	91.67	18.658		
8,300.00	7,007.45	7,904.89	6,861.92	51.21	45.16	-85.12	-841.07	-481.08	1,708.66	1,612.78	95.88	17.821		
8,400.00	7,006.49	7,995.09	6,860.49	53.36	47.00	-85.10	-844.05	-581.01	1,706.91	1,607.05	99.86	17.092		
8,500.00	7,005.52	8,104.92	6,859.07	55.57	49.32	-85.08	-847.03	-680.94	1,705.17	1,600.77	104.39	16.334		
8,600.00	7,004.56	8,204.94	6,857.64	57.84	51.51	-85.06	-850.01	-780.87	1,703.42	1,594.58	108.84	15.650		
8,700.00	7,003.59	8,304.96	6,856.22	60.16	53.77	-85.04	-852.99	-880.80	1,701.68	1,588.28	113.40	15.006		
8,800.00	7,002.63	8,404.97	6,854.79	62.52	56.07	-85.02	-855.97	-980.73	1,699.94	1,581.88	118.05	14.400		
8,900.00	7,001.66	8,504.99	6,853.37	64.92	58.43	-85.00	-858.95	-1,080.65	1,698.19	1,575.40	122.79	13.830		
9,000.00	7,000.70	8,605.01	6,851.95	67.35	60.83	-84.98	-861.93	-1,180.58	1,696.45	1,568.85	127.60	13.295		
9,100.00	6,999.73	8,705.03	6,850.52	69.81	63.26	-84.96	-864.91	-1,280.51	1,694.71	1,562.23	132.48	12.792		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	8,794.96	6,849.10	72.31	65.48	-84.94	-867.89	-1,380.44	1,692.97	1,555.79	137.17	12.342		
9,300.00	6,997.80	8,905.06	6,847.67	74.82	68.23	-84.92	-870.87	-1,480.37	1,691.22	1,548.81	142.41	11.875		
9,400.00	6,996.84	9,005.08	6,846.25	77.36	70.75	-84.89	-873.85	-1,580.30	1,689.48	1,542.03	147.45	11.458		
9,500.00	6,995.88	9,094.91	6,844.83	79.92	73.04	-84.87	-876.83	-1,680.22	1,687.74	1,535.46	152.28	11.083		
9,600.00	6,994.91	9,194.89	6,843.40	82.49	75.60	-84.85	-879.81	-1,780.15	1,686.00	1,528.60	157.40	10.712		
9,700.00	6,993.95	9,305.13	6,841.98	85.09	78.45	-84.83	-882.79	-1,880.08	1,684.26	1,521.44	162.82	10.345		
9,800.00	6,992.98	9,394.86	6,840.55	87.70	80.79	-84.81	-885.77	-1,980.01	1,682.52	1,514.78	167.74	10.031		
9,900.00	6,992.02	9,494.84	6,839.13	90.32	83.41	-84.79	-888.75	-2,079.94	1,680.78	1,507.82	172.95	9.718		
10,000.00	6,991.05	9,605.18	6,837.71	92.95	86.31	-84.77	-891.73	-2,179.87	1,679.03	1,500.57	178.47	9.408		
10,100.00	6,990.09	9,705.20	6,836.28	95.60	88.96	-84.75	-894.71	-2,279.80	1,677.29	1,493.56	183.74	9.129		
10,200.00	6,989.12	9,805.21	6,834.86	98.26	91.62	-84.73	-897.69	-2,379.72	1,675.55	1,486.53	189.03	8.864		
10,300.00	6,988.16	9,905.23	6,833.43	100.92	94.29	-84.70	-900.67	-2,479.65	1,673.81	1,479.48	194.34	8.613		
10,400.00	6,987.19	10,005.25	6,832.01	103.60	96.97	-84.68	-903.66	-2,579.58	1,672.07	1,472.41	199.66	8.374		
10,500.00	6,986.23	10,105.26	6,830.59	106.28	99.66	-84.66	-906.64	-2,679.51	1,670.33	1,465.32	205.01	8.148		
10,600.00	6,985.26	10,205.28	6,829.16	108.98	102.36	-84.64	-909.62	-2,779.44	1,668.60	1,458.22	210.37	7.932		
10,700.00	6,984.30	10,305.30	6,827.74	111.68	105.07	-84.62	-912.60	-2,879.37	1,666.86	1,451.11	215.75	7.726		
10,800.00	6,983.33	10,405.32	6,826.31	114.38	107.78	-84.60	-915.58	-2,979.29	1,665.12	1,443.98	221.14	7.530		
10,900.00	6,982.37	10,494.67	6,824.89	117.09	110.21	-84.58	-918.56	-3,079.22	1,663.38	1,437.13	226.25	7.352		
11,000.00	6,981.40	10,605.35	6,823.47	119.81	113.22	-84.55	-921.54	-3,179.15	1,661.64	1,429.69	231.95	7.164		
11,100.00	6,980.44	10,705.37	6,822.04	122.54	115.95	-84.53	-924.52	-3,279.08	1,659.90	1,422.53	237.38	6.993		
11,200.00	6,979.47	10,805.38	6,820.62	125.26	118.69	-84.51	-927.50	-3,379.01	1,658.16	1,415.36	242.81	6.829		
11,300.00	6,978.51	10,905.40	6,819.19	128.00	121.43	-84.49	-930.48	-3,478.94	1,656.43	1,408.17	248.25	6.672		
11,400.00	6,977.54	11,005.42	6,817.77	130.73	124.18	-84.47	-933.46	-3,578.86	1,654.69	1,400.99	253.70	6.522		
11,500.00	6,976.58	11,094.56	6,816.35	133.48	126.63	-84.45	-936.44	-3,678.79	1,652.95	1,394.09	258.87	6.385		
11,600.00	6,975.62	11,205.45	6,814.92	136.22	129.69	-84.42	-939.42	-3,778.72	1,651.22	1,386.59	264.63	6.240		
11,700.00	6,974.65	11,305.47	6,813.50	138.97	132.44	-84.40	-942.40	-3,878.65	1,649.48	1,379.37	270.10	6.107		
11,800.00	6,973.69	11,405.49	6,812.07	141.73	135.21	-84.38	-945.38	-3,978.58	1,647.74	1,372.16	275.59	5.979		
11,900.00	6,972.72	11,494.50	6,810.65	144.48	137.67	-84.36	-948.36	-4,078.51	1,646.01	1,365.24	280.77	5.862		
12,000.00	6,971.76	11,587.80	6,808.32	147.24	142.20	-84.31	-950.60	-4,241.77	1,642.87	1,355.18	287.70	5.710		
12,100.00	6,970.79	11,757.64	6,806.90	150.00	144.98	-84.28	-949.71	-4,341.59	1,637.29	1,344.09	293.19	5.584		
12,200.00	6,969.83	11,857.48	6,805.48	152.77	147.76	-84.24	-948.82	-4,441.41	1,631.70	1,333.01	298.70	5.463		
12,300.00	6,968.86	11,957.32	6,804.06	155.54	150.54	-84.21	-947.93	-4,541.24	1,626.12	1,321.92	304.20	5.346		
12,400.00	6,967.90	12,057.16	6,802.64	158.31	153.33	-84.17	-947.04	-4,641.06	1,620.53	1,310.82	309.71	5.232		
12,500.00	6,966.93	12,157.00	6,801.22	161.08	156.12	-84.13	-946.15	-4,740.89	1,614.95	1,299.73	315.23	5.123		
12,600.00	6,965.97	12,256.84	6,799.80	163.85	158.91	-84.10	-945.26	-4,840.71	1,609.37	1,288.63	320.74	5.018		
12,700.00	6,965.00	12,356.68	6,798.38	166.63	161.71	-84.06	-944.38	-4,940.54	1,603.79	1,277.52	326.26	4.916		
12,800.00	6,964.04	12,456.51	6,796.96	169.41	164.51	-84.02	-943.49	-5,040.36	1,598.21	1,266.42	331.79	4.817		
12,900.00	6,963.07	12,556.35	6,795.54	172.19	167.30	-83.98	-942.60	-5,140.19	1,592.62	1,255.31	337.31	4.722		
13,000.00	6,962.11	12,656.19	6,794.12	174.97	170.10	-83.94	-941.71	-5,240.01	1,587.04	1,244.20	342.84	4.629		
13,100.00	6,961.14	12,756.03	6,792.70	177.76	172.91	-83.91	-940.82	-5,339.84	1,581.47	1,233.09	348.37	4.540		
13,200.00	6,960.18	12,855.87	6,791.27	180.54	175.71	-83.87	-939.93	-5,439.66	1,575.89	1,221.98	353.91	4.453		
13,300.00	6,959.21	12,955.71	6,789.85	183.33	178.51	-83.83	-939.04	-5,539.49	1,570.31	1,210.87	359.44	4.369		
13,400.00	6,958.25	13,055.55	6,788.43	186.12	181.32	-83.79	-938.15	-5,639.31	1,564.73	1,199.75	364.98	4.287		
13,500.00	6,957.28	13,155.38	6,787.01	188.91	184.13	-83.75	-937.26	-5,739.13	1,559.16	1,188.64	370.52	4.208		
13,600.00	6,956.32	13,255.22	6,785.59	191.70	186.94	-83.71	-936.37	-5,838.96	1,553.58	1,177.52	376.06	4.131		
13,700.00	6,955.35	13,355.06	6,784.17	194.49	189.75	-83.67	-935.48	-5,938.78	1,548.01	1,166.41	381.60	4.057		
13,800.00	6,954.39	13,454.90	6,782.75	197.29	192.56	-83.63	-934.59	-6,038.61	1,542.43	1,155.29	387.14	3.984		
13,900.00	6,953.43	13,554.74	6,781.33	200.08	195.37	-83.59	-933.70	-6,138.43	1,536.86	1,144.17	392.69	3.914		
14,000.00	6,952.46	13,654.58	6,779.91	202.88	198.19	-83.55	-932.81	-6,238.26	1,531.29	1,133.05	398.23	3.845		
14,100.00	6,951.50	13,754.42	6,778.49	205.68	201.00	-83.51	-931.92	-6,338.08	1,525.71	1,121.93	403.78	3.779		
14,200.00	6,950.53	13,854.26	6,777.07	208.48	203.82	-83.47	-931.03	-6,437.91	1,520.14	1,110.82	409.33	3.714		
14,300.00	6,949.57	13,954.09	6,775.65	211.28	206.64	-83.43	-930.15	-6,537.73	1,514.57	1,099.70	414.88	3.651		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,400.00	6,948.60	14,053.93	6,774.23	214.08	209.46	-83.38	-929.26	-6,637.56	1,509.00	1,088.58	420.42	3.589	
14,500.00	6,947.64	14,153.77	6,772.80	216.88	212.27	-83.34	-928.37	-6,737.38	1,503.44	1,077.46	425.97	3.529	
14,600.00	6,946.67	14,253.61	6,771.38	219.68	215.09	-83.30	-927.48	-6,837.21	1,497.87	1,066.34	431.52	3.471	
14,700.00	6,945.71	14,353.45	6,769.96	222.49	217.92	-83.26	-926.59	-6,937.03	1,492.30	1,055.23	437.07	3.414	
14,800.00	6,944.74	14,453.29	6,768.54	225.29	220.74	-83.21	-925.70	-7,036.85	1,486.74	1,044.11	442.62	3.359	
14,900.00	6,943.78	14,553.13	6,767.12	228.10	223.56	-83.17	-924.81	-7,136.68	1,481.17	1,033.00	448.17	3.305	
15,000.00	6,942.81	14,652.97	6,765.70	230.90	226.38	-83.13	-923.92	-7,236.50	1,475.61	1,021.88	453.73	3.252	
15,100.00	6,941.85	14,752.80	6,764.28	233.71	229.21	-83.08	-923.03	-7,336.33	1,470.04	1,010.77	459.28	3.201	
15,200.00	6,940.88	14,852.64	6,762.86	236.52	232.03	-83.04	-922.14	-7,436.15	1,464.48	999.65	464.83	3.151	
15,300.00	6,939.92	14,952.48	6,761.44	239.32	234.86	-82.99	-921.25	-7,535.98	1,458.92	988.54	470.38	3.102	
15,400.00	6,938.95	15,052.32	6,760.02	242.13	237.68	-82.95	-920.36	-7,635.80	1,453.36	977.43	475.93	3.054	
15,500.00	6,937.99	15,152.16	6,758.60	244.94	240.51	-82.90	-919.47	-7,735.63	1,447.80	966.32	481.48	3.007	
15,600.00	6,937.02	15,252.00	6,757.18	247.75	243.34	-82.86	-918.58	-7,835.45	1,442.24	955.21	487.03	2.961	
15,706.13	6,936.00	15,335.52	6,755.99	250.74	245.70	-82.82	-917.84	-7,918.96	1,436.52	943.99	492.53	2.917 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.32	-134.43	-13.36	135.09					
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-134.43	-13.36	135.09	128.52	6.57	20.564		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-134.43	-13.36	135.09	128.42	6.67	20.242 CC, ES		
300.00	300.00	296.43	296.41	3.44	3.44	-174.75	-135.79	-12.47	136.40	129.52	6.89	19.806		
400.00	399.98	392.60	392.46	3.60	3.58	137.40	-139.84	-9.80	141.66	134.46	7.20	19.663		
500.00	499.84	488.16	487.67	3.81	3.77	136.68	-146.52	-5.40	152.13	144.52	7.62	19.972		
600.00	599.45	582.71	581.57	4.05	3.99	136.11	-155.75	0.68	167.76	159.65	8.11	20.691		
700.00	698.70	675.90	673.72	4.33	4.25	135.67	-167.37	8.33	188.43	179.78	8.66	21.763		
800.00	797.47	767.41	763.71	4.64	4.53	135.34	-181.21	17.44	214.06	204.80	9.25	23.133		
902.00	897.58	864.51	858.87	4.98	4.87	135.29	-197.33	28.06	244.07	234.18	9.89	24.681		
1,000.00	993.42	957.76	950.26	5.33	5.22	135.85	-212.81	38.26	274.11	263.57	10.54	26.003		
1,100.00	1,091.22	1,052.91	1,043.51	5.71	5.59	136.31	-228.61	48.67	304.79	293.55	11.24	27.122		
1,200.00	1,189.02	1,148.07	1,136.76	6.11	5.98	136.68	-244.42	59.08	335.48	323.51	11.96	28.039		
1,300.00	1,286.82	1,243.22	1,230.02	6.53	6.38	136.99	-260.22	69.48	366.18	353.46	12.72	28.793		
1,400.00	1,384.62	1,338.37	1,323.27	6.95	6.79	137.26	-276.02	79.89	396.89	383.40	13.49	29.415		
1,500.00	1,482.42	1,433.53	1,416.52	7.38	7.22	137.48	-291.82	90.30	427.61	413.32	14.29	29.933		
1,600.00	1,580.22	1,528.68	1,509.78	7.83	7.64	137.68	-307.62	100.71	458.33	443.23	15.09	30.365		
1,700.00	1,678.03	1,623.83	1,603.03	8.27	8.08	137.85	-323.43	111.12	489.05	473.14	15.91	30.729		
1,800.00	1,775.83	1,718.99	1,696.28	8.72	8.52	138.00	-339.23	121.52	519.78	503.04	16.75	31.037		
1,900.00	1,873.63	1,814.14	1,789.53	9.18	8.96	138.13	-355.03	131.93	550.52	532.93	17.59	31.300		
2,000.00	1,971.43	1,909.29	1,882.79	9.64	9.41	138.25	-370.83	142.34	581.25	562.81	18.44	31.524		
2,100.00	2,069.23	2,004.45	1,976.04	10.11	9.86	138.36	-386.64	152.75	611.99	592.69	19.29	31.718		
2,200.00	2,167.03	2,100.40	2,069.29	10.57	10.32	138.46	-402.44	163.15	642.73	622.56	20.16	31.879		
2,300.00	2,264.83	2,194.75	2,162.55	11.04	10.77	138.55	-418.24	173.56	673.46	652.44	21.03	32.031		
2,400.00	2,362.63	2,289.91	2,255.80	11.52	11.23	138.63	-434.04	183.97	704.21	682.31	21.90	32.158		
2,500.00	2,460.43	2,385.06	2,349.05	11.99	11.69	138.70	-449.84	194.38	734.95	712.17	22.78	32.269		
2,600.00	2,558.23	2,480.21	2,442.30	12.47	12.16	138.77	-465.65	204.79	765.69	742.04	23.66	32.367		
2,700.00	2,656.03	2,575.36	2,535.56	12.94	12.62	138.83	-481.45	215.19	796.44	771.90	24.54	32.454		
2,800.00	2,753.83	2,670.52	2,628.81	13.42	13.08	138.89	-497.25	225.60	827.18	801.75	25.43	32.531		
2,900.00	2,851.63	2,765.67	2,722.06	13.90	13.55	138.94	-513.05	236.01	857.93	831.61	26.32	32.599		
3,000.00	2,949.43	2,860.82	2,815.32	14.38	14.02	139.00	-528.86	246.42	888.67	861.46	27.21	32.660		
3,100.00	3,047.23	2,955.98	2,908.57	14.87	14.49	139.04	-544.66	256.82	919.42	891.32	28.10	32.715		
3,200.00	3,145.03	3,051.13	3,001.82	15.35	14.96	139.09	-560.46	267.23	950.17	921.17	29.00	32.764		
3,300.00	3,242.83	3,146.28	3,095.07	15.83	15.43	139.13	-576.26	277.64	980.92	951.02	29.90	32.808		
3,400.00	3,340.63	3,241.44	3,188.33	16.32	15.90	139.17	-592.06	288.05	1,011.67	980.87	30.80	32.848		
3,500.00	3,438.43	3,336.59	3,281.58	16.80	16.37	139.20	-607.87	298.45	1,042.41	1,010.71	31.70	32.884		
3,600.00	3,536.23	3,431.74	3,374.83	17.29	16.84	139.24	-623.67	308.86	1,073.16	1,040.56	32.60	32.916		
3,700.00	3,634.03	3,526.90	3,468.08	17.78	17.32	139.27	-639.47	319.27	1,103.91	1,070.41	33.51	32.946		
3,800.00	3,731.83	3,622.05	3,561.34	18.26	17.79	139.30	-655.27	329.68	1,134.66	1,100.25	34.41	32.973		
3,900.00	3,829.63	3,717.20	3,654.59	18.75	18.26	139.33	-671.07	340.09	1,165.41	1,130.09	35.32	32.997		
4,000.00	3,927.43	3,812.36	3,747.84	19.24	18.74	139.36	-686.88	350.49	1,196.16	1,159.94	36.23	33.020		
4,100.00	4,025.23	3,907.51	3,841.10	19.73	19.21	139.38	-702.68	360.90	1,226.91	1,189.78	37.13	33.040		
4,200.00	4,123.03	4,002.66	3,934.35	20.22	19.69	139.41	-718.48	371.31	1,257.66	1,219.62	38.04	33.059		
4,300.00	4,220.83	4,102.19	4,027.60	20.71	20.19	139.43	-734.28	381.72	1,288.42	1,249.44	38.97	33.058		
4,400.00	4,318.63	4,192.97	4,120.85	21.20	20.64	139.45	-750.09	392.12	1,319.17	1,279.30	39.86	33.092		
4,500.00	4,416.43	4,288.12	4,214.11	21.69	21.12	139.47	-765.89	402.53	1,349.92	1,309.14	40.78	33.106		
4,600.00	4,514.23	4,383.27	4,307.36	22.18	21.59	139.49	-781.69	412.94	1,380.67	1,338.98	41.69	33.120		
4,700.00	4,612.03	4,478.43	4,400.61	22.67	22.07	139.51	-797.49	423.35	1,411.42	1,368.82	42.60	33.132		
4,800.00	4,709.83	4,573.58	4,493.87	23.16	22.55	139.53	-813.29	433.76	1,442.17	1,398.66	43.51	33.143		
4,900.00	4,807.63	4,668.73	4,587.12	23.65	23.02	139.55	-829.10	444.16	1,472.93	1,428.50	44.43	33.153		
5,000.00	4,905.43	4,763.89	4,680.37	24.14	23.50	139.57	-844.90	454.57	1,503.68	1,458.34	45.34	33.163		
5,100.00	5,003.23	4,859.04	4,773.62	24.63	23.98	139.59	-860.70	464.98	1,534.43	1,488.17	46.26	33.172		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	4,954.19	4,866.88	25.12	24.46	139.60	-876.50	475.39	1,565.18	1,518.01	47.17	33.180		
5,300.00	5,198.83	5,049.35	4,960.13	25.62	24.93	139.62	-892.30	485.79	1,595.94	1,547.85	48.09	33.187		
5,400.00	5,296.63	5,144.50	5,053.38	26.11	25.41	139.63	-908.11	496.20	1,626.69	1,577.68	49.00	33.194		
5,500.00	5,394.43	5,239.65	5,146.64	26.60	25.89	139.65	-923.91	506.61	1,657.44	1,607.52	49.92	33.201		
5,600.00	5,492.23	5,334.81	5,239.89	27.09	26.37	139.66	-939.71	517.02	1,688.19	1,637.35	50.84	33.207		
5,700.00	5,590.03	5,429.96	5,333.14	27.58	26.85	139.67	-955.51	527.43	1,718.95	1,667.19	51.76	33.212		
5,800.00	5,687.83	5,525.11	5,426.39	28.08	27.33	139.69	-971.32	537.83	1,749.70	1,697.02	52.67	33.217		
5,900.00	5,785.63	5,620.27	5,519.65	28.57	27.81	139.70	-987.12	548.24	1,780.45	1,726.86	53.59	33.222		
6,000.00	5,883.43	5,715.42	5,612.90	29.06	28.29	139.71	-1,002.92	558.65	1,811.21	1,756.69	54.51	33.226		
6,100.00	5,981.23	5,810.57	5,706.15	29.56	28.77	139.72	-1,018.72	569.06	1,841.96	1,786.53	55.43	33.230		
6,200.00	6,079.04	5,905.72	5,799.41	30.05	29.24	139.73	-1,034.52	579.46	1,872.71	1,816.36	56.35	33.234		
6,300.00	6,176.84	6,000.88	5,892.66	30.54	29.72	139.74	-1,050.33	589.87	1,903.46	1,846.20	57.27	33.237		
6,409.71	6,284.13	6,105.27	5,994.96	31.08	30.25	139.75	-1,067.66	601.29	1,937.20	1,878.93	58.28	33.240		
6,450.00	6,323.71	6,143.65	6,032.58	31.28	30.44	155.01	-1,074.04	605.49	1,949.40	1,890.76	58.64	33.242		
6,500.00	6,373.15	6,208.78	6,079.20	31.50	30.77	-176.28	-1,081.94	610.69	1,963.96	1,904.79	59.17	33.194		
6,550.00	6,422.65	6,238.46	6,125.49	31.70	30.92	-144.18	-1,089.78	615.86	1,977.82	1,918.32	59.50	33.239		
6,600.00	6,471.92	6,285.07	6,171.18	31.89	31.16	-121.92	-1,097.52	620.96	1,990.94	1,931.03	59.91	33.231		
6,650.00	6,520.65	6,330.78	6,215.97	32.07	31.39	-108.97	-1,105.11	625.96	2,003.32	1,943.01	60.31	33.216		
6,700.00	6,568.54	6,375.29	6,259.60	32.25	31.61	-101.18	-1,112.51	630.82	2,014.96	1,954.26	60.70	33.194		
6,750.00	6,615.30	6,418.34	6,301.78	32.43	31.83	-96.14	-1,119.65	635.53	2,025.90	1,964.81	61.09	33.163		
6,800.00	6,660.63	6,459.65	6,342.27	32.61	32.04	-92.70	-1,126.52	640.05	2,036.17	1,974.70	61.47	33.125		
6,850.00	6,704.26	6,501.02	6,380.81	32.80	32.25	-90.25	-1,133.05	644.35	2,045.84	1,983.98	61.85	33.075		
6,900.00	6,745.92	6,532.60	6,413.78	33.00	32.40	-88.38	-1,138.64	647.92	2,054.99	1,992.80	62.18	33.047		
6,950.00	6,785.34	6,560.99	6,441.69	33.21	32.54	-86.86	-1,143.40	649.87	2,063.77	2,001.28	62.50	33.023		
7,000.00	6,822.30	6,589.79	6,470.06	33.44	32.68	-85.68	-1,148.28	650.56	2,072.21	2,009.38	62.84	32.978		
7,050.00	6,856.55	6,619.07	6,498.91	33.69	32.80	-84.77	-1,153.28	649.92	2,080.31	2,017.09	63.22	32.908		
7,100.00	6,887.90	6,648.95	6,528.27	33.97	32.93	-84.07	-1,158.40	647.89	2,088.05	2,024.41	63.64	32.811		
7,150.00	6,916.14	6,679.56	6,558.21	34.28	33.05	-83.55	-1,163.67	644.36	2,095.43	2,031.32	64.11	32.684		
7,200.00	6,941.10	6,711.05	6,588.79	34.62	33.16	-83.20	-1,169.10	639.20	2,102.47	2,037.83	64.64	32.526		
7,250.00	6,962.63	6,743.63	6,620.12	35.00	33.27	-83.00	-1,174.71	632.26	2,109.15	2,043.93	65.22	32.337		
7,300.00	6,980.59	6,777.57	6,652.34	35.43	33.38	-82.94	-1,180.53	623.31	2,115.49	2,049.62	65.87	32.117		
7,350.00	6,994.88	6,813.24	6,685.63	35.89	33.50	-83.02	-1,186.60	612.04	2,121.48	2,054.91	66.57	31.869		
7,400.00	7,005.41	6,851.14	6,720.24	36.39	33.61	-83.25	-1,192.97	598.01	2,127.13	2,059.81	67.32	31.597		
7,450.00	7,012.10	6,891.96	6,756.52	36.93	33.73	-83.62	-1,199.74	580.58	2,132.44	2,064.32	68.12	31.304		
7,500.00	7,014.93	6,936.72	6,794.94	37.50	33.85	-84.16	-1,206.99	558.80	2,137.41	2,068.45	68.96	30.995		
7,517.56	7,015.00	6,953.63	6,809.04	37.70	33.90	-84.40	-1,209.68	549.86	2,139.07	2,069.80	69.26	30.883		
7,600.00	7,014.21	7,054.13	6,887.55	38.74	34.16	-86.54	-1,224.97	489.19	2,147.28	2,076.44	70.84	30.312		
7,700.00	7,013.24	7,251.17	7,009.62	40.15	34.70	-89.86	-1,250.38	337.63	2,156.82	2,083.49	73.33	29.412		
7,800.00	7,012.28	7,553.76	7,094.27	41.71	36.47	-92.18	-1,273.20	50.99	2,160.86	2,083.29	77.57	27.858		
7,900.00	7,011.31	7,687.11	7,093.19	43.40	37.90	-92.19	-1,276.82	-82.28	2,158.65	2,077.75	80.90	26.683		
8,000.00	7,010.35	7,787.08	7,091.08	45.21	39.23	-92.16	-1,279.32	-182.19	2,156.33	2,072.21	84.12	25.633		
8,100.00	7,009.38	7,887.05	7,088.98	47.12	40.73	-92.13	-1,281.81	-282.11	2,154.01	2,066.42	87.60	24.590		
8,200.00	7,008.42	7,987.02	7,086.87	49.12	42.39	-92.10	-1,284.31	-382.02	2,151.70	2,060.40	91.30	23.569		
8,300.00	7,007.45	8,086.98	7,084.76	51.21	44.18	-92.07	-1,286.80	-481.93	2,149.38	2,054.19	95.19	22.580		
8,400.00	7,006.49	8,186.95	7,082.65	53.36	46.08	-92.05	-1,289.30	-581.85	2,147.07	2,047.81	99.26	21.630		
8,500.00	7,005.52	8,286.92	7,080.54	55.57	48.07	-92.02	-1,291.79	-681.76	2,144.75	2,041.27	103.49	20.725		
8,600.00	7,004.56	8,386.89	7,078.44	57.84	50.15	-91.99	-1,294.28	-781.68	2,142.44	2,034.59	107.85	19.866		
8,700.00	7,003.59	8,486.85	7,076.33	60.16	52.31	-91.96	-1,296.78	-881.59	2,140.13	2,027.80	112.32	19.053		
8,800.00	7,002.63	8,586.82	7,074.22	62.52	54.53	-91.93	-1,299.27	-981.51	2,137.81	2,020.90	116.91	18.286		
8,900.00	7,001.66	8,686.79	7,072.11	64.92	56.80	-91.90	-1,301.77	-1,081.42	2,135.50	2,013.91	121.59	17.563		
9,000.00	7,000.70	8,786.76	7,070.01	67.35	59.13	-91.88	-1,304.26	-1,181.33	2,133.19	2,006.84	126.35	16.883		
9,100.00	6,999.73	8,886.72	7,067.90	69.81	61.50	-91.85	-1,306.76	-1,281.25	2,130.88	1,999.69	131.19	16.243		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	8,986.69	7,065.79	72.31	63.91	-91.82	-1,309.25	-1,381.16	2,128.57	1,992.48	136.09	15.641		
9,300.00	6,997.80	9,086.66	7,063.68	74.82	66.35	-91.79	-1,311.74	-1,481.08	2,126.26	1,985.20	141.05	15.074		
9,400.00	6,996.84	9,186.63	7,061.57	77.36	68.82	-91.76	-1,314.24	-1,580.99	2,123.95	1,977.88	146.07	14.541		
9,500.00	6,995.88	9,286.59	7,059.47	79.92	71.32	-91.73	-1,316.73	-1,680.90	2,121.64	1,970.51	151.13	14.039		
9,600.00	6,994.91	9,386.56	7,057.36	82.49	73.85	-91.70	-1,319.23	-1,780.82	2,119.33	1,963.09	156.23	13.565		
9,700.00	6,993.95	9,486.53	7,055.25	85.09	76.40	-91.67	-1,321.72	-1,880.73	2,117.02	1,955.64	161.38	13.118		
9,800.00	6,992.98	9,586.50	7,053.14	87.70	78.97	-91.64	-1,324.22	-1,980.65	2,114.71	1,948.15	166.56	12.697		
9,900.00	6,992.02	9,686.47	7,051.04	90.32	81.56	-91.61	-1,326.71	-2,080.56	2,112.41	1,940.64	171.77	12.298		
10,000.00	6,991.05	9,786.43	7,048.93	92.95	84.16	-91.58	-1,329.20	-2,180.48	2,110.10	1,933.09	177.01	11.921		
10,100.00	6,990.09	9,886.40	7,046.82	95.60	86.78	-91.56	-1,331.70	-2,280.39	2,107.79	1,925.52	182.28	11.564		
10,200.00	6,989.12	9,986.37	7,044.71	98.26	89.42	-91.53	-1,334.19	-2,380.30	2,105.49	1,917.92	187.57	11.225		
10,300.00	6,988.16	10,086.34	7,042.61	100.92	92.06	-91.50	-1,336.69	-2,480.22	2,103.18	1,910.30	192.88	10.904		
10,400.00	6,987.19	10,186.30	7,040.50	103.60	94.72	-91.47	-1,339.18	-2,580.13	2,100.88	1,902.66	198.22	10.599		
10,500.00	6,986.23	10,286.27	7,038.39	106.28	97.39	-91.44	-1,341.68	-2,680.05	2,098.58	1,895.00	203.57	10.309		
10,600.00	6,985.26	10,386.24	7,036.28	108.98	100.07	-91.41	-1,344.17	-2,779.96	2,096.27	1,887.33	208.95	10.033		
10,700.00	6,984.30	10,486.21	7,034.17	111.68	102.75	-91.38	-1,346.66	-2,879.88	2,093.97	1,879.64	214.33	9.770		
10,800.00	6,983.33	10,586.17	7,032.07	114.38	105.45	-91.35	-1,349.16	-2,979.79	2,091.67	1,871.93	219.74	9.519		
10,900.00	6,982.37	10,686.14	7,029.96	117.09	108.15	-91.32	-1,351.65	-3,079.70	2,089.37	1,864.21	225.15	9.280		
11,000.00	6,981.40	10,786.11	7,027.85	119.81	110.86	-91.29	-1,354.15	-3,179.62	2,087.07	1,856.48	230.58	9.051		
11,100.00	6,980.44	10,886.08	7,025.74	122.54	113.58	-91.26	-1,356.64	-3,279.53	2,084.77	1,848.74	236.02	8.833		
11,200.00	6,979.47	10,986.04	7,023.64	125.26	116.30	-91.23	-1,359.14	-3,379.45	2,082.47	1,840.99	241.48	8.624		
11,300.00	6,978.51	11,086.01	7,021.53	128.00	119.03	-91.20	-1,361.63	-3,479.36	2,080.17	1,833.23	246.94	8.424		
11,400.00	6,977.54	11,185.98	7,019.42	130.73	121.76	-91.17	-1,364.12	-3,579.28	2,077.87	1,825.45	252.41	8.232		
11,500.00	6,976.58	11,285.95	7,017.31	133.48	124.50	-91.14	-1,366.62	-3,679.19	2,075.57	1,817.67	257.90	8.048		
11,600.00	6,975.62	11,385.91	7,015.21	136.22	127.25	-91.11	-1,369.11	-3,779.10	2,073.27	1,809.89	263.39	7.872		
11,700.00	6,974.65	11,485.88	7,013.10	138.97	129.99	-91.08	-1,371.61	-3,879.02	2,070.98	1,802.09	268.89	7.702		
11,800.00	6,973.69	11,585.85	7,010.99	141.73	132.75	-91.05	-1,374.10	-3,978.93	2,068.68	1,794.29	274.39	7.539		
11,900.00	6,972.72	11,685.82	7,008.88	144.48	135.50	-91.02	-1,376.60	-4,078.85	2,066.38	1,786.48	279.91	7.382		
12,000.00	6,971.76	11,785.78	7,006.77	147.24	138.26	-90.99	-1,379.09	-4,178.76	2,064.09	1,778.66	285.43	7.232		
12,100.00	6,970.79	11,885.75	7,004.67	150.00	141.02	-90.95	-1,381.59	-4,278.67	2,061.79	1,770.84	290.95	7.086		
12,200.00	6,969.83	11,985.72	7,002.56	152.77	143.79	-90.92	-1,384.08	-4,378.59	2,059.50	1,763.02	296.48	6.946		
12,300.00	6,968.86	12,085.69	7,000.45	155.54	146.56	-90.89	-1,386.57	-4,478.50	2,057.21	1,755.18	302.02	6.811		
12,400.00	6,967.90	12,185.65	6,998.34	158.31	149.33	-90.86	-1,389.07	-4,578.42	2,054.92	1,747.35	307.57	6.681		
12,500.00	6,966.93	12,285.62	6,996.24	161.08	152.11	-90.83	-1,391.56	-4,678.33	2,052.62	1,739.51	313.11	6.556		
12,600.00	6,965.97	12,385.59	6,994.13	163.85	154.88	-90.80	-1,394.06	-4,778.25	2,050.33	1,731.66	318.67	6.434		
12,700.00	6,965.00	12,485.56	6,992.02	166.63	157.66	-90.77	-1,396.55	-4,878.16	2,048.04	1,723.82	324.23	6.317		
12,800.00	6,964.04	12,585.52	6,989.91	169.41	160.45	-90.74	-1,399.05	-4,978.07	2,045.75	1,715.96	329.79	6.203		
12,900.00	6,963.07	12,685.49	6,987.80	172.19	163.23	-90.71	-1,401.54	-5,077.99	2,043.46	1,708.11	335.35	6.093		
13,000.00	6,962.11	12,785.46	6,985.70	174.97	166.02	-90.68	-1,404.03	-5,177.90	2,041.17	1,700.25	340.92	5.987		
13,100.00	6,961.14	12,885.43	6,983.59	177.76	168.80	-90.64	-1,406.53	-5,277.82	2,038.88	1,692.39	346.50	5.884		
13,200.00	6,960.18	12,985.39	6,981.48	180.54	171.59	-90.61	-1,409.02	-5,377.73	2,036.60	1,684.52	352.07	5.785		
13,300.00	6,959.21	13,085.36	6,979.37	183.33	174.39	-90.58	-1,411.52	-5,477.65	2,034.31	1,676.65	357.65	5.688		
13,400.00	6,958.25	13,185.33	6,977.27	186.12	177.18	-90.55	-1,414.01	-5,577.56	2,032.02	1,668.78	363.24	5.594		
13,500.00	6,957.28	13,285.30	6,975.16	188.91	179.97	-90.52	-1,416.51	-5,677.47	2,029.74	1,660.91	368.82	5.503		
13,600.00	6,956.32	13,385.27	6,973.05	191.70	182.77	-90.49	-1,419.00	-5,777.39	2,027.45	1,653.04	374.41	5.415		
13,700.00	6,955.35	13,485.23	6,970.94	194.49	185.57	-90.45	-1,421.49	-5,877.30	2,025.17	1,645.16	380.00	5.329		
13,800.00	6,954.39	13,585.20	6,968.84	197.29	188.37	-90.42	-1,423.99	-5,977.22	2,022.88	1,637.28	385.60	5.246		
13,900.00	6,953.43	13,685.17	6,966.73	200.08	191.17	-90.39	-1,426.48	-6,077.13	2,020.60	1,629.40	391.20	5.165		
14,000.00	6,952.46	13,785.14	6,964.62	202.88	193.97	-90.36	-1,428.98	-6,177.04	2,018.32	1,621.52	396.80	5.087		
14,100.00	6,951.50	13,885.10	6,962.51	205.68	196.77	-90.33	-1,431.47	-6,276.96	2,016.03	1,613.64	402.40	5.010		
14,200.00	6,950.53	13,985.07	6,960.40	208.48	199.58	-90.29	-1,433.97	-6,376.87	2,013.75	1,605.75	408.00	4.936		
14,300.00	6,949.57	14,085.04	6,958.30	211.28	202.38	-90.26	-1,436.46	-6,476.79	2,011.47	1,597.86	413.61	4.863		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 34N-6C-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,400.00	6,948.60	14,185.01	6,956.19	214.08	205.19	-90.23	-1,438.95	-6,576.70	2,009.19	1,589.98	419.21	4.793	
14,500.00	6,947.64	14,284.97	6,954.08	216.88	208.00	-90.20	-1,441.45	-6,676.62	2,006.91	1,582.09	424.82	4.724	
14,600.00	6,946.67	14,384.94	6,951.97	219.68	210.81	-90.16	-1,443.94	-6,776.53	2,004.63	1,574.20	430.44	4.657	
14,700.00	6,945.71	14,484.91	6,949.87	222.49	213.62	-90.13	-1,446.44	-6,876.44	2,002.35	1,566.30	436.05	4.592	
14,800.00	6,944.74	14,584.88	6,947.76	225.29	216.43	-90.10	-1,448.93	-6,976.36	2,000.08	1,558.41	441.66	4.529	
14,900.00	6,943.78	14,684.84	6,945.65	228.10	219.24	-90.07	-1,451.43	-7,076.27	1,997.80	1,550.52	447.28	4.467	
15,000.00	6,942.81	14,784.81	6,943.54	230.90	222.05	-90.03	-1,453.92	-7,176.19	1,995.52	1,542.62	452.90	4.406	
15,100.00	6,941.85	14,884.78	6,941.44	233.71	224.86	-90.00	-1,456.41	-7,276.10	1,993.25	1,534.73	458.52	4.347	
15,200.00	6,940.88	14,984.75	6,939.33	236.52	227.68	-89.97	-1,458.91	-7,376.02	1,990.97	1,526.83	464.14	4.290	
15,300.00	6,939.92	15,084.71	6,937.22	239.32	230.49	-89.93	-1,461.40	-7,475.93	1,988.70	1,518.94	469.76	4.233	
15,400.00	6,938.95	15,184.68	6,935.11	242.13	233.31	-89.90	-1,463.90	-7,575.84	1,986.42	1,511.04	475.38	4.179	
15,500.00	6,937.99	15,284.65	6,933.00	244.94	236.12	-89.87	-1,466.39	-7,675.76	1,984.15	1,503.14	481.01	4.125	
15,600.00	6,937.02	15,384.62	6,930.90	247.75	238.94	-89.84	-1,468.89	-7,775.67	1,981.88	1,495.25	486.63	4.073	
15,706.13	6,936.00	15,490.71	6,928.66	250.74	241.93	-89.80	-1,471.53	-7,881.71	1,979.47	1,486.86	492.60	4.018 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-100.91	-852.79	-4,423.51	4,504.97					
100.00	100.00	110.00	110.00	3.28	3.89	-100.91	-852.79	-4,423.51	4,504.97	4,497.79	7.18	627.743		
200.00	200.00	210.00	210.00	3.34	6.48	-100.91	-852.79	-4,423.51	4,504.97	4,495.15	9.81	459.012		
300.00	300.00	310.00	310.00	3.44	9.65	-100.91	-852.79	-4,423.51	4,504.97	4,491.87	13.10	343.996		
400.00	399.98	409.98	409.98	3.60	12.99	-147.91	-852.79	-4,423.51	4,506.44	4,489.85	16.59	271.633		
500.00	499.84	509.84	509.84	3.81	16.38	-147.90	-852.79	-4,423.51	4,510.88	4,490.69	20.19	223.429		
600.00	599.45	609.45	609.45	4.05	19.80	-147.88	-852.79	-4,423.51	4,518.27	4,494.42	23.85	189.441		
700.00	698.70	708.70	708.70	4.33	23.23	-147.85	-852.79	-4,423.51	4,528.61	4,501.06	27.55	164.377		
800.00	797.47	807.47	807.47	4.64	26.65	-147.81	-852.79	-4,423.51	4,541.90	4,510.63	31.27	145.236		
900.00	897.58	907.58	907.58	4.98	30.12	-147.76	-852.79	-4,423.51	4,558.48	4,523.40	35.08	129.942		
1,000.00	993.42	1,003.42	1,003.42	5.33	33.45	-147.90	-852.79	-4,423.51	4,575.89	4,537.14	38.75	118.086		
1,100.00	1,091.22	1,101.22	1,101.22	5.71	36.84	-148.03	-852.79	-4,423.51	4,593.68	4,551.17	42.51	108.057		
1,200.00	1,189.02	1,200.98	1,199.02	6.11	40.31	-148.17	-852.79	-4,423.51	4,611.50	4,565.14	46.36	99.475		
1,300.00	1,286.82	1,303.18	1,296.82	6.53	43.87	-148.31	-852.79	-4,423.51	4,629.35	4,579.04	50.30	92.026		
1,400.00	1,384.62	1,405.38	1,394.62	6.95	47.43	-148.44	-852.79	-4,423.51	4,647.21	4,592.95	54.26	85.643		
1,500.00	1,482.42	1,507.58	1,492.42	7.38	50.99	-148.57	-852.79	-4,423.51	4,665.11	4,606.88	58.23	80.115		
1,600.00	1,580.22	1,609.78	1,590.22	7.83	54.55	-148.71	-852.79	-4,423.51	4,683.03	4,620.82	62.21	75.282		
1,700.00	1,678.03	1,688.03	1,688.03	8.27	57.28	-148.84	-852.79	-4,423.51	4,700.97	4,635.61	65.35	71.931		
1,800.00	1,775.83	1,785.83	1,785.83	8.72	60.69	-148.97	-852.79	-4,423.51	4,718.93	4,649.75	69.19	68.204		
1,900.00	1,873.63	1,883.63	1,883.63	9.18	64.10	-149.10	-852.79	-4,423.51	4,736.92	4,663.90	73.03	64.864		
2,000.00	1,971.43	1,981.43	1,981.43	9.64	67.51	-149.22	-852.79	-4,423.51	4,754.94	4,678.06	76.87	61.855		
2,100.00	2,069.23	2,079.23	2,079.23	10.11	70.92	-149.35	-852.79	-4,423.51	4,772.97	4,692.25	80.72	59.130		
2,200.00	2,167.03	2,177.03	2,177.03	10.57	74.33	-149.48	-852.79	-4,423.51	4,791.03	4,706.46	84.57	56.651		
2,300.00	2,264.83	2,274.83	2,274.83	11.04	77.74	-149.60	-852.79	-4,423.51	4,809.11	4,720.69	88.42	54.387		
2,400.00	2,362.63	2,372.63	2,372.63	11.52	81.15	-149.73	-852.79	-4,423.51	4,827.22	4,734.94	92.28	52.311		
2,500.00	2,460.43	2,470.43	2,470.43	11.99	84.56	-149.85	-852.79	-4,423.51	4,845.35	4,749.21	96.14	50.400		
2,600.00	2,558.23	2,568.23	2,568.23	12.47	87.97	-149.97	-852.79	-4,423.51	4,863.49	4,763.50	100.00	48.636		
2,700.00	2,656.03	2,666.03	2,666.03	12.94	91.38	-150.10	-852.79	-4,423.51	4,881.66	4,777.81	103.86	47.003		
2,800.00	2,753.83	2,763.83	2,763.83	13.42	94.80	-150.22	-852.79	-4,423.51	4,899.86	4,792.14	107.72	45.486		
2,900.00	2,851.63	2,861.63	2,861.63	13.90	98.21	-150.34	-852.79	-4,423.51	4,918.07	4,806.48	111.59	44.074		
3,000.00	2,949.43	2,959.43	2,959.43	14.38	101.62	-150.46	-852.79	-4,423.51	4,936.30	4,820.85	115.45	42.757		
3,100.00	3,047.23	3,057.23	3,057.23	14.87	105.03	-150.58	-852.79	-4,423.51	4,954.56	4,835.24	119.32	41.524		
3,200.00	3,145.03	3,155.03	3,155.03	15.35	108.45	-150.69	-852.79	-4,423.51	4,972.83	4,849.65	123.18	40.369		
3,300.00	3,242.83	3,252.83	3,252.83	15.83	111.86	-150.81	-852.79	-4,423.51	4,991.13	4,864.07	127.05	39.284		
3,400.00	3,340.63	3,350.63	3,350.63	16.32	115.27	-150.92	-852.79	-4,423.51	5,009.44	4,878.52	130.92	38.263		
3,500.00	3,438.43	3,448.43	3,448.43	16.80	118.68	-151.04	-852.79	-4,423.51	5,027.78	4,892.99	134.79	37.300		
3,600.00	3,536.23	3,546.23	3,546.23	17.29	122.10	-151.15	-852.79	-4,423.51	5,046.13	4,907.47	138.66	36.392		
3,700.00	3,634.03	3,644.03	3,644.03	17.78	125.51	-151.27	-852.79	-4,423.51	5,064.51	4,921.97	142.53	35.532		
3,800.00	3,731.83	3,741.83	3,741.83	18.26	128.92	-151.38	-852.79	-4,423.51	5,082.90	4,936.50	146.40	34.718		
3,900.00	3,829.63	3,839.63	3,839.63	18.75	132.34	-151.49	-852.79	-4,423.51	5,101.31	4,951.04	150.28	33.946		
4,000.00	3,927.43	3,937.43	3,937.43	19.24	135.75	-151.60	-852.79	-4,423.51	5,119.74	4,965.59	154.15	33.213		
4,100.00	4,025.23	4,035.23	4,035.23	19.73	139.16	-151.71	-852.79	-4,423.51	5,138.19	4,980.17	158.02	32.516		
4,200.00	4,123.03	4,133.03	4,133.03	20.22	142.58	-151.82	-852.79	-4,423.51	5,156.66	4,994.77	161.89	31.852		
4,300.00	4,220.83	4,230.83	4,230.83	20.71	145.99	-151.93	-852.79	-4,423.51	5,175.15	5,009.38	165.77	31.219		
4,400.00	4,318.63	4,328.63	4,328.63	21.20	149.40	-152.04	-852.79	-4,423.51	5,193.65	5,024.01	169.64	30.615		
4,500.00	4,416.43	4,426.43	4,426.43	21.69	152.82	-152.14	-852.79	-4,423.51	5,212.17	5,038.66	173.52	30.039		
4,600.00	4,514.23	4,524.23	4,524.23	22.18	156.23	-152.25	-852.79	-4,423.51	5,230.71	5,053.32	177.39	29.487		
4,700.00	4,612.03	4,622.03	4,622.03	22.67	159.64	-152.36	-852.79	-4,423.51	5,249.27	5,068.00	181.27	28.959		
4,800.00	4,709.83	4,719.83	4,719.83	23.16	163.06	-152.46	-852.79	-4,423.51	5,267.84	5,082.70	185.14	28.453		
4,900.00	4,807.63	4,817.63	4,817.63	23.65	166.47	-152.57	-852.79	-4,423.51	5,286.43	5,097.42	189.02	27.968		
5,000.00	4,905.43	4,915.43	4,915.43	24.14	169.88	-152.67	-852.79	-4,423.51	5,305.04	5,112.15	192.89	27.503		
5,100.00	5,003.23	5,013.23	5,013.23	24.63	173.30	-152.77	-852.79	-4,423.51	5,323.67	5,126.90	196.77	27.056		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,111.03	5,111.03	25.12	176.71	-152.87	-852.79	-4,423.51	5,342.31	5,141.67	200.64	26.626		
5,300.00	5,198.83	5,208.83	5,208.83	25.62	180.13	-152.97	-852.79	-4,423.51	5,360.97	5,156.45	204.52	26.213		
5,400.00	5,296.63	5,306.63	5,306.63	26.11	183.54	-153.08	-852.79	-4,423.51	5,379.64	5,171.25	208.39	25.815		
5,500.00	5,394.43	5,404.43	5,404.43	26.60	186.95	-153.17	-852.79	-4,423.51	5,398.33	5,186.06	212.27	25.431		
5,600.00	5,492.23	5,502.23	5,502.23	27.09	190.37	-153.27	-852.79	-4,423.51	5,417.04	5,200.89	216.15	25.062		
5,700.00	5,590.03	5,600.03	5,600.03	27.58	193.78	-153.37	-852.79	-4,423.51	5,435.76	5,215.73	220.02	24.705		
5,800.00	5,687.83	5,702.17	5,697.83	28.08	197.34	-153.47	-852.79	-4,423.51	5,454.49	5,230.44	224.05	24.345		
5,900.00	5,785.63	5,804.37	5,795.63	28.57	200.91	-153.57	-852.79	-4,423.51	5,473.25	5,245.16	228.08	23.997		
6,000.00	5,883.43	5,906.57	5,893.43	29.06	204.48	-153.66	-852.79	-4,423.51	5,492.01	5,259.90	232.11	23.661		
6,100.00	5,981.23	6,008.77	5,991.23	29.56	208.05	-153.76	-852.79	-4,423.51	5,510.80	5,274.65	236.14	23.337		
6,200.00	6,079.04	6,089.04	6,089.04	30.05	210.85	-153.85	-852.79	-4,423.51	5,529.59	5,290.18	239.41	23.097		
6,300.00	6,176.84	6,186.84	6,186.84	30.54	214.26	-153.95	-852.79	-4,423.51	5,548.41	5,305.12	243.29	22.806		
6,409.71	6,284.13	6,305.87	6,294.13	31.08	218.42	-154.05	-852.79	-4,423.51	5,569.06	5,321.11	247.95	22.460		
6,450.00	6,323.71	6,333.71	6,333.71	31.28	219.39	-139.79	-852.79	-4,423.51	5,575.44	5,326.33	249.11	22.382		
6,500.00	6,373.15	6,383.15	6,383.15	31.50	221.11	-112.23	-852.79	-4,423.51	5,579.96	5,328.91	251.05	22.227		
6,550.00	6,422.65	6,432.65	6,432.65	31.70	222.84	-81.20	-852.79	-4,423.51	5,580.69	5,327.71	252.98	22.060		
6,600.00	6,471.92	6,481.92	6,481.92	31.89	224.56	-59.92	-852.79	-4,423.51	5,577.65	5,322.76	254.89	21.883		
6,650.00	6,520.65	6,530.65	6,530.65	32.07	226.26	-47.91	-852.79	-4,423.51	5,570.85	5,314.09	256.76	21.697		
6,700.00	6,568.54	6,578.54	6,578.54	32.25	227.94	-40.99	-852.79	-4,423.51	5,560.33	5,301.75	258.58	21.503		
6,750.00	6,615.30	6,625.30	6,625.30	32.43	229.57	-36.82	-852.79	-4,423.51	5,546.17	5,285.83	260.35	21.303		
6,800.00	6,660.63	6,670.63	6,670.63	32.61	231.15	-34.26	-852.79	-4,423.51	5,528.46	5,266.42	262.05	21.097		
6,850.00	6,704.26	6,714.26	6,714.26	32.80	232.67	-32.75	-852.79	-4,423.51	5,507.32	5,243.65	263.67	20.887		
6,900.00	6,745.92	6,755.92	6,755.92	33.00	234.13	-31.99	-852.79	-4,423.51	5,482.87	5,217.66	265.21	20.674		
6,950.00	6,785.34	6,804.66	6,795.34	33.21	235.83	-31.83	-852.79	-4,423.51	5,455.27	5,188.29	266.99	20.433		
7,000.00	6,822.30	6,832.30	6,832.30	33.44	236.79	-32.21	-852.79	-4,423.51	5,424.71	5,156.69	268.01	20.240		
7,050.00	6,866.55	6,866.55	6,866.55	33.69	237.99	-33.10	-852.79	-4,423.51	5,391.36	5,122.10	269.26	20.023		
7,100.00	6,887.90	6,902.10	6,897.90	33.97	239.23	-34.54	-852.79	-4,423.51	5,355.45	5,084.90	270.55	19.795		
7,150.00	6,916.14	6,926.14	6,926.14	34.28	240.07	-36.60	-852.79	-4,423.51	5,317.19	5,045.75	271.43	19.589		
7,200.00	6,941.10	6,951.10	6,951.10	34.62	240.94	-39.41	-852.79	-4,423.51	5,276.82	5,004.48	272.34	19.376		
7,250.00	6,962.63	6,972.63	6,972.63	35.00	241.69	-43.16	-852.79	-4,423.51	5,234.60	4,961.47	273.14	19.165		
7,300.00	6,980.59	7,009.41	6,990.59	35.43	242.98	-48.13	-852.79	-4,423.51	5,190.79	4,916.33	274.46	18.913		
7,350.00	6,994.88	7,004.88	7,004.88	35.89	242.82	-54.68	-852.79	-4,423.51	5,145.65	4,871.30	274.35	18.756		
7,400.00	7,005.41	7,015.41	7,015.41	36.39	243.19	-63.21	-852.79	-4,423.51	5,099.47	4,824.70	274.77	18.559		
7,450.00	7,012.10	7,022.10	7,022.10	36.93	243.42	-74.02	-852.79	-4,423.51	5,052.53	4,777.46	275.07	18.368		
7,500.00	7,014.93	7,024.93	7,024.93	37.50	243.52	-86.88	-852.79	-4,423.51	5,005.11	4,729.87	275.24	18.184		
7,517.56	7,015.00	7,025.00	7,025.00	37.70	243.52	-91.72	-852.79	-4,423.51	4,988.41	4,713.14	275.27	18.122		
7,600.00	7,014.21	7,024.21	7,024.21	38.74	243.49	-91.69	-852.79	-4,423.51	4,909.98	4,634.59	275.39	17.829		
7,700.00	7,013.24	7,023.24	7,023.24	40.15	243.46	-91.65	-852.79	-4,423.51	4,815.04	4,539.47	275.57	17.473		
7,800.00	7,012.28	7,022.28	7,022.28	41.71	243.42	-91.62	-852.79	-4,423.51	4,720.30	4,444.51	275.79	17.115		
7,900.00	7,011.31	7,021.31	7,021.31	43.40	243.39	-91.58	-852.79	-4,423.51	4,625.79	4,349.73	276.06	16.757		
8,000.00	7,010.35	7,020.35	7,020.35	45.21	243.36	-91.55	-852.79	-4,423.51	4,531.51	4,255.14	276.37	16.396		
8,100.00	7,009.38	7,019.38	7,019.38	47.12	243.32	-91.51	-852.79	-4,423.51	4,437.48	4,160.74	276.74	16.035		
8,200.00	7,008.42	7,018.42	7,018.42	49.12	243.29	-91.47	-852.79	-4,423.51	4,343.72	4,066.56	277.17	15.672		
8,300.00	7,007.45	7,017.45	7,017.45	51.21	243.26	-91.44	-852.79	-4,423.51	4,250.24	3,972.59	277.65	15.308		
8,400.00	7,006.49	7,016.49	7,016.49	53.36	243.22	-91.40	-852.79	-4,423.51	4,157.07	3,878.86	278.21	14.942		
8,500.00	7,005.52	7,015.52	7,015.52	55.57	243.19	-91.36	-852.79	-4,423.51	4,064.22	3,785.39	278.83	14.576		
8,600.00	7,004.56	7,014.56	7,014.56	57.84	243.16	-91.33	-852.79	-4,423.51	3,971.72	3,692.18	279.53	14.208		
8,700.00	7,003.59	7,013.59	7,013.59	60.16	243.12	-91.29	-852.79	-4,423.51	3,879.59	3,599.27	280.32	13.840		
8,800.00	7,002.63	7,012.63	7,012.63	62.52	243.09	-91.26	-852.79	-4,423.51	3,787.85	3,506.67	281.19	13.471		
8,900.00	7,001.66	7,011.66	7,011.66	64.92	243.05	-91.22	-852.79	-4,423.51	3,696.55	3,414.40	282.15	13.101		
9,000.00	7,000.70	7,010.70	7,010.70	67.35	243.02	-91.18	-852.79	-4,423.51	3,605.71	3,322.50	283.21	12.731		
9,100.00	6,999.73	7,009.73	7,009.73	69.81	242.99	-91.15	-852.79	-4,423.51	3,515.36	3,230.98	284.38	12.362		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,008.77	7,008.77	72.31	242.95	-91.11	-852.79	-4,423.51	3,425.55	3,139.89	285.66	11.992		
9,300.00	6,997.80	7,007.80	7,007.80	74.82	242.92	-91.07	-852.79	-4,423.51	3,336.32	3,049.26	287.06	11.622		
9,400.00	6,996.84	7,006.84	7,006.84	77.36	242.89	-91.04	-852.79	-4,423.51	3,247.72	2,959.14	288.58	11.254		
9,500.00	6,995.88	7,005.88	7,005.88	79.92	242.85	-91.00	-852.79	-4,423.51	3,159.80	2,869.56	290.24	10.887		
9,600.00	6,994.91	7,004.91	7,004.91	82.49	242.82	-90.97	-852.79	-4,423.51	3,072.61	2,780.57	292.04	10.521		
9,700.00	6,993.95	7,003.95	7,003.95	85.09	242.78	-90.93	-852.79	-4,423.51	2,986.23	2,692.24	293.99	10.158		
9,800.00	6,992.98	7,002.98	7,002.98	87.70	242.75	-90.89	-852.79	-4,423.51	2,900.73	2,604.63	296.10	9.797		
9,900.00	6,992.02	7,002.02	7,002.02	90.32	242.72	-90.86	-852.79	-4,423.51	2,816.17	2,517.80	298.37	9.439		
10,000.00	6,991.05	7,001.05	7,001.05	92.95	242.68	-90.82	-852.79	-4,423.51	2,732.67	2,431.85	300.82	9.084		
10,100.00	6,990.09	7,000.09	7,000.09	95.60	242.65	-90.78	-852.79	-4,423.51	2,650.30	2,346.84	303.46	8.734		
10,200.00	6,989.12	7,000.88	6,999.12	98.26	242.68	-90.75	-852.79	-4,423.51	2,569.19	2,262.84	306.35	8.387		
10,300.00	6,988.16	7,001.84	6,998.16	100.92	242.71	-90.71	-852.79	-4,423.51	2,489.44	2,180.00	309.45	8.045		
10,400.00	6,987.19	7,002.81	6,997.19	103.60	242.75	-90.68	-852.79	-4,423.51	2,411.21	2,098.46	312.76	7.710		
10,500.00	6,986.23	7,003.77	6,996.23	106.28	242.78	-90.64	-852.79	-4,423.51	2,334.65	2,018.36	316.29	7.381		
10,600.00	6,985.26	7,004.74	6,995.26	108.98	242.81	-90.60	-852.79	-4,423.51	2,259.91	1,939.86	320.05	7.061		
10,700.00	6,984.30	7,005.70	6,994.30	111.68	242.85	-90.57	-852.79	-4,423.51	2,187.19	1,863.16	324.03	6.750		
10,800.00	6,983.33	7,006.67	6,993.33	114.38	242.88	-90.53	-852.79	-4,423.51	2,116.70	1,788.45	328.25	6.448		
10,900.00	6,982.37	7,007.63	6,992.37	117.09	242.91	-90.50	-852.79	-4,423.51	2,048.66	1,715.96	332.70	6.158		
11,000.00	6,981.40	7,008.60	6,991.40	119.81	242.95	-90.46	-852.79	-4,423.51	1,983.34	1,645.97	337.37	5.879		
11,100.00	6,980.44	7,009.56	6,990.44	122.54	242.98	-90.42	-852.79	-4,423.51	1,921.00	1,578.75	342.25	5.613		
11,200.00	6,979.47	7,010.53	6,989.47	125.26	242.98	-90.39	-852.79	-4,423.51	1,861.94	1,515.37	346.58	5.372		
11,300.00	6,978.51	7,011.49	6,988.51	128.00	242.25	-90.35	-852.79	-4,423.51	1,806.50	1,454.77	351.73	5.136		
11,400.00	6,977.54	7,012.46	6,987.54	130.73	242.21	-90.31	-852.79	-4,423.51	1,755.00	1,398.01	357.00	4.916		
11,500.00	6,976.58	7,013.42	6,986.58	133.48	242.18	-90.28	-852.79	-4,423.51	1,707.81	1,345.49	362.32	4.714		
11,600.00	6,975.62	7,014.38	6,985.62	136.22	242.15	-90.24	-852.79	-4,423.51	1,665.30	1,297.66	367.64	4.530		
11,700.00	6,974.65	7,015.35	6,984.65	138.97	242.11	-90.21	-852.79	-4,423.51	1,627.83	1,254.95	372.88	4.366		
11,800.00	6,973.69	7,016.31	6,983.69	141.73	242.08	-90.17	-852.79	-4,423.51	1,595.75	1,217.81	377.94	4.222		
11,900.00	6,972.72	7,017.28	6,982.72	144.48	242.04	-90.13	-852.79	-4,423.51	1,569.40	1,186.67	382.73	4.101		
12,000.00	6,971.76	7,018.24	6,981.76	147.24	242.01	-90.10	-852.79	-4,423.51	1,549.06	1,161.90	387.16	4.001		
12,100.00	6,970.79	7,019.21	6,980.79	150.00	241.98	-90.06	-852.79	-4,423.51	1,534.98	1,143.85	391.13	3.924		
12,200.00	6,969.83	7,020.17	6,979.83	152.77	241.94	-90.02	-852.79	-4,423.51	1,527.34	1,132.77	394.57	3.871		
12,267.09	6,969.18	7,019.18	6,979.18	154.62	241.92	-90.00	-852.79	-4,423.51	1,525.86	1,129.32	396.54	3.848	CC	
12,300.00	6,968.86	7,018.86	6,978.86	155.54	241.91	-89.99	-852.79	-4,423.51	1,526.22	1,128.81	397.41	3.840	ES	
12,400.00	6,967.90	7,017.90	6,977.90	158.31	241.88	-89.95	-852.79	-4,423.51	1,531.64	1,132.04	399.61	3.833	SF	
12,500.00	6,966.93	7,016.93	6,976.93	161.08	241.84	-89.92	-852.79	-4,423.51	1,543.54	1,142.39	401.14	3.848		
12,600.00	6,965.97	7,015.97	6,975.97	163.85	241.81	-89.88	-852.79	-4,423.51	1,561.76	1,159.72	402.04	3.885		
12,700.00	6,965.00	7,015.00	6,975.00	166.63	241.77	-89.84	-852.79	-4,423.51	1,586.08	1,183.77	402.31	3.942		
12,800.00	6,964.04	7,014.04	6,974.04	169.41	241.74	-89.81	-852.79	-4,423.51	1,616.24	1,214.22	402.02	4.020		
12,900.00	6,963.07	7,013.07	6,973.07	172.19	241.71	-89.77	-852.79	-4,423.51	1,651.91	1,250.67	401.24	4.117		
13,000.00	6,962.11	7,012.11	6,972.11	174.97	241.67	-89.73	-852.79	-4,423.51	1,692.74	1,292.73	400.02	4.232		
13,100.00	6,961.14	7,011.14	6,971.14	177.76	241.64	-89.70	-852.79	-4,423.51	1,738.37	1,339.94	398.44	4.363		
13,200.00	6,960.18	7,010.18	6,970.18	180.54	241.61	-89.66	-852.79	-4,423.51	1,788.44	1,391.86	396.57	4.510		
13,300.00	6,959.21	7,009.21	6,969.21	183.33	241.57	-89.63	-852.79	-4,423.51	1,842.57	1,448.08	394.49	4.671		
13,400.00	6,958.25	7,008.25	6,968.25	186.12	241.54	-89.59	-852.79	-4,423.51	1,900.43	1,508.19	392.24	4.845		
13,500.00	6,957.28	7,007.28	6,967.28	188.91	241.51	-89.55	-852.79	-4,423.51	1,961.68	1,571.79	389.89	5.031		
13,600.00	6,956.32	7,006.32	6,966.32	191.70	241.47	-89.52	-852.79	-4,423.51	2,026.02	1,638.56	387.46	5.229		
13,700.00	6,955.35	7,005.35	6,965.35	194.49	241.44	-89.48	-852.79	-4,423.51	2,093.16	1,708.15	385.01	5.437		
13,800.00	6,954.39	7,004.39	6,964.39	197.29	241.40	-89.44	-852.79	-4,423.51	2,162.84	1,780.29	382.55	5.654		
13,900.00	6,953.43	7,003.43	6,963.43	200.08	241.37	-89.41	-852.79	-4,423.51	2,234.82	1,854.70	380.12	5.879		
14,000.00	6,952.46	7,002.46	6,962.46	202.88	241.34	-89.37	-852.79	-4,423.51	2,308.89	1,931.17	377.72	6.113		
14,100.00	6,951.50	7,001.50	6,961.50	205.68	241.30	-89.34	-852.79	-4,423.51	2,384.85	2,009.48	375.37	6.353		
14,200.00	6,950.53	7,000.53	6,960.53	208.48	241.27	-89.30	-852.79	-4,423.51	2,462.53	2,089.45	373.09	6.600		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - FRAKER #1 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,300.00	6,949.57	6,959.57	6,959.57	211.28	241.24	-89.26	-852.79	-4,423.51	2,541.77	2,170.90	370.87	6.854	
14,400.00	6,948.60	6,958.60	6,958.60	214.08	241.20	-89.23	-852.79	-4,423.51	2,622.43	2,253.71	368.73	7.112	
14,500.00	6,947.64	6,957.64	6,957.64	216.88	241.17	-89.19	-852.79	-4,423.51	2,704.39	2,337.73	366.66	7.376	
14,600.00	6,946.67	6,956.67	6,956.67	219.68	241.13	-89.15	-852.79	-4,423.51	2,787.52	2,422.85	364.66	7.644	
14,700.00	6,945.71	6,955.71	6,955.71	222.49	241.10	-89.12	-852.79	-4,423.51	2,871.72	2,508.98	362.74	7.917	
14,800.00	6,944.74	6,954.74	6,954.74	225.29	241.07	-89.08	-852.79	-4,423.51	2,956.91	2,596.01	360.90	8.193	
14,900.00	6,943.78	6,953.78	6,953.78	228.10	241.03	-89.05	-852.79	-4,423.51	3,043.00	2,683.87	359.13	8.473	
15,000.00	6,942.81	6,952.81	6,952.81	230.90	241.00	-89.01	-852.79	-4,423.51	3,129.92	2,772.48	357.44	8.757	
15,100.00	6,941.85	6,951.85	6,951.85	233.71	240.97	-88.97	-852.79	-4,423.51	3,217.59	2,861.79	355.81	9.043	
15,200.00	6,940.88	6,950.88	6,950.88	236.52	240.93	-88.94	-852.79	-4,423.51	3,305.97	2,951.72	354.25	9.332	
15,300.00	6,939.92	6,949.92	6,949.92	239.32	240.90	-88.90	-852.79	-4,423.51	3,394.99	3,042.24	352.75	9.624	
15,400.00	6,938.95	6,948.95	6,948.95	242.13	240.87	-88.87	-852.79	-4,423.51	3,484.61	3,133.29	351.32	9.919	
15,500.00	6,937.99	6,947.99	6,947.99	244.94	240.83	-88.83	-852.79	-4,423.51	3,574.78	3,224.83	349.94	10.215	
15,600.00	6,937.02	6,947.02	6,947.02	247.75	240.80	-88.79	-852.79	-4,423.51	3,665.45	3,316.83	348.63	10.514	
15,706.13	6,936.00	6,946.00	6,946.00	250.74	240.76	-88.75	-852.79	-4,423.51	3,762.20	3,414.92	347.29	10.833	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-85.65	323.87	-4,253.50	4,265.94					
100.00	100.00	66.00	66.00	3.28	1.15	-85.65	323.87	-4,253.50	4,265.81	4,261.37	4.44	961.459		
200.00	200.00	166.00	166.00	3.34	4.05	-85.65	323.87	-4,253.50	4,265.81	4,258.42	7.39	577.507		
300.00	300.00	266.00	266.00	3.44	7.54	-85.65	323.87	-4,253.50	4,265.81	4,254.82	10.99	388.314		
400.00	399.98	365.98	365.98	3.60	11.03	-132.65	323.87	-4,253.50	4,266.99	4,252.36	14.63	291.601		
500.00	499.84	465.84	465.84	3.81	14.52	-132.65	323.87	-4,253.50	4,270.54	4,252.22	18.32	233.101		
600.00	599.45	565.45	565.45	4.05	17.99	-132.64	323.87	-4,253.50	4,276.46	4,254.42	22.04	194.043		
700.00	698.70	664.70	664.70	4.33	21.46	-132.64	323.87	-4,253.50	4,284.75	4,258.97	25.78	166.217		
800.00	797.47	763.47	763.47	4.64	24.91	-132.64	323.87	-4,253.50	4,295.41	4,265.88	29.53	145.457		
902.00	897.58	863.58	863.58	4.98	28.40	-132.63	323.87	-4,253.50	4,308.75	4,275.39	33.36	129.146		
1,000.00	993.42	959.42	959.42	5.33	31.75	-132.82	323.87	-4,253.50	4,322.79	4,285.73	37.05	116.660		
1,100.00	1,091.22	1,057.22	1,057.22	5.71	35.16	-133.02	323.87	-4,253.50	4,337.16	4,296.32	40.84	106.207		
1,200.00	1,189.02	1,155.02	1,155.02	6.11	38.58	-133.22	323.87	-4,253.50	4,351.59	4,306.95	44.63	97.494		
1,300.00	1,286.82	1,252.82	1,252.82	6.53	41.99	-133.42	323.87	-4,253.50	4,366.07	4,317.62	48.44	90.126		
1,400.00	1,384.62	1,350.62	1,350.62	6.95	45.40	-133.61	323.87	-4,253.50	4,380.60	4,328.33	52.26	83.816		
1,500.00	1,482.42	1,448.42	1,448.42	7.38	48.82	-133.81	323.87	-4,253.50	4,395.18	4,339.09	56.09	78.355		
1,600.00	1,580.22	1,546.22	1,546.22	7.83	52.23	-134.00	323.87	-4,253.50	4,409.81	4,349.88	59.93	73.584		
1,700.00	1,678.03	1,644.03	1,644.03	8.27	55.65	-134.20	323.87	-4,253.50	4,424.49	4,360.72	63.77	69.381		
1,800.00	1,775.83	1,741.83	1,741.83	8.72	59.06	-134.39	323.87	-4,253.50	4,439.22	4,371.61	67.62	65.652		
1,900.00	1,873.63	1,839.63	1,839.63	9.18	62.48	-134.58	323.87	-4,253.50	4,454.00	4,382.53	71.47	62.321		
2,000.00	1,971.43	1,937.43	1,937.43	9.64	65.89	-134.76	323.87	-4,253.50	4,468.83	4,393.51	75.32	59.329		
2,100.00	2,069.23	2,035.23	2,035.23	10.11	69.30	-134.95	323.87	-4,253.50	4,483.71	4,404.53	79.18	56.626		
2,200.00	2,167.03	2,133.03	2,133.03	10.57	72.72	-135.14	323.87	-4,253.50	4,498.63	4,415.59	83.04	54.173		
2,300.00	2,264.83	2,230.83	2,230.83	11.04	76.13	-135.32	323.87	-4,253.50	4,513.60	4,426.70	86.90	51.937		
2,400.00	2,362.63	2,328.63	2,328.63	11.52	79.55	-135.51	323.87	-4,253.50	4,528.62	4,437.85	90.77	49.891		
2,500.00	2,460.43	2,426.43	2,426.43	11.99	82.96	-135.69	323.87	-4,253.50	4,543.69	4,449.05	94.64	48.012		
2,600.00	2,558.23	2,524.23	2,524.23	12.47	86.38	-135.87	323.87	-4,253.50	4,558.80	4,460.29	98.50	46.280		
2,700.00	2,656.03	2,622.03	2,622.03	12.94	89.79	-136.05	323.87	-4,253.50	4,573.95	4,471.58	102.37	44.679		
2,800.00	2,753.83	2,719.83	2,719.83	13.42	93.20	-136.23	323.87	-4,253.50	4,589.15	4,482.90	106.25	43.194		
2,900.00	2,851.63	2,817.63	2,817.63	13.90	96.62	-136.41	323.87	-4,253.50	4,604.39	4,494.28	110.12	41.813		
3,000.00	2,949.43	2,915.43	2,915.43	14.38	100.03	-136.58	323.87	-4,253.50	4,619.68	4,505.69	113.99	40.527		
3,100.00	3,047.23	3,013.23	3,013.23	14.87	103.45	-136.76	323.87	-4,253.50	4,635.01	4,517.15	117.86	39.325		
3,200.00	3,145.03	3,111.03	3,111.03	15.35	106.86	-136.93	323.87	-4,253.50	4,650.39	4,528.65	121.74	38.200		
3,300.00	3,242.83	3,208.83	3,208.83	15.83	110.27	-137.10	323.87	-4,253.50	4,665.80	4,540.19	125.61	37.144		
3,400.00	3,340.63	3,306.63	3,306.63	16.32	113.69	-137.28	323.87	-4,253.50	4,681.26	4,551.77	129.49	36.152		
3,500.00	3,438.43	3,404.43	3,404.43	16.80	117.10	-137.45	323.87	-4,253.50	4,696.76	4,563.40	133.37	35.217		
3,600.00	3,536.23	3,502.23	3,502.23	17.29	120.52	-137.62	323.87	-4,253.50	4,712.31	4,575.06	137.24	34.335		
3,700.00	3,634.03	3,600.03	3,600.03	17.78	123.93	-137.79	323.87	-4,253.50	4,727.89	4,586.77	141.12	33.503		
3,800.00	3,731.83	3,702.17	3,697.83	18.26	127.50	-137.95	323.87	-4,253.50	4,743.51	4,598.36	145.15	32.680		
3,900.00	3,829.63	3,804.37	3,795.63	18.75	131.07	-138.12	323.87	-4,253.50	4,759.18	4,610.00	149.18	31.902		
4,000.00	3,927.43	3,906.57	3,893.43	19.24	134.63	-138.29	323.87	-4,253.50	4,774.88	4,621.67	153.21	31.165		
4,100.00	4,025.23	4,008.77	3,991.23	19.73	138.20	-138.45	323.87	-4,253.50	4,790.62	4,633.38	157.25	30.466		
4,200.00	4,123.03	4,089.03	4,089.03	20.22	141.00	-138.61	323.87	-4,253.50	4,806.41	4,645.89	160.51	29.944		
4,300.00	4,220.83	4,186.83	4,186.83	20.71	144.42	-138.78	323.87	-4,253.50	4,822.23	4,657.83	164.39	29.334		
4,400.00	4,318.63	4,284.63	4,284.63	21.20	147.83	-138.94	323.87	-4,253.50	4,838.08	4,669.81	168.27	28.752		
4,500.00	4,416.43	4,382.43	4,382.43	21.69	151.25	-139.10	323.87	-4,253.50	4,853.98	4,681.83	172.15	28.196		
4,600.00	4,514.23	4,480.23	4,480.23	22.18	154.66	-139.26	323.87	-4,253.50	4,869.92	4,693.89	176.03	27.665		
4,700.00	4,612.03	4,578.03	4,578.03	22.67	158.07	-139.42	323.87	-4,253.50	4,885.89	4,705.98	179.91	27.157		
4,800.00	4,709.83	4,675.83	4,675.83	23.16	161.49	-139.57	323.87	-4,253.50	4,901.89	4,718.10	183.79	26.671		
4,900.00	4,807.63	4,773.63	4,773.63	23.65	164.90	-139.73	323.87	-4,253.50	4,917.94	4,730.27	187.67	26.205		
5,000.00	4,905.43	4,871.43	4,871.43	24.14	168.32	-139.88	323.87	-4,253.50	4,934.02	4,742.47	191.55	25.758		
5,100.00	5,003.23	4,969.23	4,969.23	24.63	171.73	-140.04	323.87	-4,253.50	4,950.13	4,754.70	195.43	25.329		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,067.03	5,067.03	25.12	175.14	-140.19	323.87	-4,253.50	4,966.29	4,766.97	199.31	24.917		
5,300.00	5,198.83	5,164.83	5,164.83	25.62	178.56	-140.34	323.87	-4,253.50	4,982.47	4,779.28	203.19	24.521		
5,400.00	5,296.63	5,262.63	5,262.63	26.11	181.97	-140.49	323.87	-4,253.50	4,998.69	4,791.62	207.07	24.140		
5,500.00	5,394.43	5,360.43	5,360.43	26.60	185.39	-140.64	323.87	-4,253.50	5,014.95	4,803.99	210.95	23.773		
5,600.00	5,492.23	5,458.23	5,458.23	27.09	188.80	-140.79	323.87	-4,253.50	5,031.24	4,816.40	214.83	23.419		
5,700.00	5,590.03	5,556.03	5,556.03	27.58	192.22	-140.94	323.87	-4,253.50	5,047.56	4,828.84	218.71	23.078		
5,800.00	5,687.83	5,653.83	5,653.83	28.08	195.63	-141.09	323.87	-4,253.50	5,063.91	4,841.32	222.59	22.749		
5,900.00	5,785.63	5,751.63	5,751.63	28.57	199.04	-141.24	323.87	-4,253.50	5,080.30	4,853.83	226.48	22.432		
6,000.00	5,883.43	5,849.43	5,849.43	29.06	202.46	-141.38	323.87	-4,253.50	5,096.73	4,866.37	230.36	22.125		
6,100.00	5,981.23	5,947.23	5,947.23	29.56	205.87	-141.53	323.87	-4,253.50	5,113.18	4,878.94	234.24	21.829		
6,200.00	6,079.04	6,045.04	6,045.04	30.05	209.29	-141.67	323.87	-4,253.50	5,129.67	4,891.55	238.12	21.543		
6,300.00	6,176.84	6,142.84	6,142.84	30.54	212.70	-141.81	323.87	-4,253.50	5,146.18	4,904.18	242.00	21.265		
6,409.71	6,284.13	6,250.13	6,250.13	31.08	216.45	-141.97	323.87	-4,253.50	5,164.34	4,918.08	246.26	20.971		
6,450.00	6,323.71	6,289.71	6,289.71	31.28	217.83	-127.85	323.87	-4,253.50	5,169.76	4,921.94	247.82	20.861		
6,500.00	6,373.15	6,339.15	6,339.15	31.50	219.55	-100.39	323.87	-4,253.50	5,172.97	4,923.20	249.77	20.711		
6,550.00	6,422.65	6,388.65	6,388.65	31.70	221.28	-69.39	323.87	-4,253.50	5,172.27	4,920.57	251.70	20.550		
6,600.00	6,471.92	6,437.92	6,437.92	31.89	223.00	-48.06	323.87	-4,253.50	5,167.66	4,914.06	253.60	20.377		
6,650.00	6,520.65	6,486.65	6,486.65	32.07	224.70	-35.92	323.87	-4,253.50	5,159.18	4,903.72	255.47	20.195		
6,700.00	6,568.54	6,534.54	6,534.54	32.25	226.38	-28.79	323.87	-4,253.50	5,146.88	4,889.60	257.29	20.005		
6,750.00	6,615.30	6,581.30	6,581.30	32.43	228.01	-24.33	323.87	-4,253.50	5,130.83	4,871.78	259.05	19.807		
6,800.00	6,660.63	6,626.63	6,626.63	32.61	229.59	-21.38	323.87	-4,253.50	5,111.14	4,850.39	260.74	19.602		
6,850.00	6,704.26	6,670.26	6,670.26	32.80	231.11	-19.37	323.87	-4,253.50	5,087.92	4,825.55	262.36	19.393		
6,900.00	6,745.92	6,711.92	6,711.92	33.00	232.57	-18.00	323.87	-4,253.50	5,061.31	4,797.42	263.90	19.179		
6,950.00	6,785.34	6,751.34	6,751.34	33.21	233.94	-17.08	323.87	-4,253.50	5,031.49	4,766.15	265.34	18.962		
7,000.00	6,822.30	6,788.30	6,788.30	33.44	235.23	-16.53	323.87	-4,253.50	4,998.64	4,731.95	266.68	18.744		
7,050.00	6,856.55	6,822.55	6,822.55	33.69	236.43	-16.29	323.87	-4,253.50	4,962.95	4,695.03	267.92	18.524		
7,100.00	6,887.90	6,853.90	6,853.90	33.97	237.52	-16.36	323.87	-4,253.50	4,924.65	4,655.61	269.04	18.304		
7,150.00	6,916.14	6,882.14	6,882.14	34.28	238.51	-16.75	323.87	-4,253.50	4,883.97	4,613.92	270.05	18.085		
7,200.00	6,941.10	6,907.10	6,907.10	34.62	239.38	-17.53	323.87	-4,253.50	4,841.16	4,570.23	270.93	17.868		
7,250.00	6,962.63	6,928.63	6,928.63	35.00	240.13	-18.84	323.87	-4,253.50	4,796.49	4,524.80	271.69	17.654		
7,300.00	6,980.59	6,946.59	6,946.59	35.43	240.76	-20.95	323.87	-4,253.50	4,750.23	4,477.91	272.32	17.444		
7,350.00	6,994.88	6,960.88	6,960.88	35.89	241.26	-24.45	323.87	-4,253.50	4,702.66	4,429.84	272.82	17.237		
7,400.00	7,005.41	6,971.41	6,971.41	36.39	241.63	-30.78	323.87	-4,253.50	4,654.07	4,380.89	273.18	17.037		
7,450.00	7,012.10	6,978.10	6,978.10	36.93	241.86	-44.19	323.87	-4,253.50	4,604.77	4,331.36	273.41	16.842		
7,500.00	7,014.93	6,980.93	6,980.93	37.50	241.96	-77.95	323.87	-4,253.50	4,555.05	4,281.54	273.52	16.654		
7,517.56	7,015.00	6,981.00	6,981.00	37.70	241.96	-96.94	323.87	-4,253.50	4,537.56	4,264.03	273.52	16.589		
7,600.00	7,014.21	6,980.21	6,980.21	38.74	241.93	-96.81	323.87	-4,253.50	4,455.38	4,181.87	273.51	16.290		
7,700.00	7,013.24	6,979.24	6,979.24	40.15	241.90	-96.66	323.87	-4,253.50	4,355.71	4,082.22	273.49	15.926		
7,800.00	7,012.28	6,978.28	6,978.28	41.71	241.87	-96.51	323.87	-4,253.50	4,256.07	3,982.59	273.48	15.563		
7,900.00	7,011.31	6,977.31	6,977.31	43.40	241.83	-96.36	323.87	-4,253.50	4,156.44	3,882.96	273.47	15.199		
8,000.00	7,010.35	6,976.35	6,976.35	45.21	241.80	-96.20	323.87	-4,253.50	4,056.82	3,783.35	273.47	14.835		
8,100.00	7,009.38	6,975.38	6,975.38	47.12	241.77	-96.05	323.87	-4,253.50	3,957.23	3,683.75	273.48	14.470		
8,200.00	7,008.42	6,974.42	6,974.42	49.12	241.73	-95.90	323.87	-4,253.50	3,857.66	3,584.17	273.49	14.105		
8,300.00	7,007.45	6,973.45	6,973.45	51.21	241.70	-95.75	323.87	-4,253.50	3,758.10	3,484.60	273.50	13.741		
8,400.00	7,006.49	6,972.49	6,972.49	53.36	241.66	-95.59	323.87	-4,253.50	3,658.58	3,385.05	273.53	13.375		
8,500.00	7,005.52	6,971.52	6,971.52	55.57	241.63	-95.44	323.87	-4,253.50	3,559.08	3,285.52	273.56	13.010		
8,600.00	7,004.56	6,970.56	6,970.56	57.84	241.60	-95.29	323.87	-4,253.50	3,459.61	3,186.00	273.60	12.645		
8,700.00	7,003.59	6,969.59	6,969.59	60.16	241.56	-95.14	323.87	-4,253.50	3,360.17	3,086.51	273.66	12.279		
8,800.00	7,002.63	6,968.63	6,968.63	62.52	241.53	-94.98	323.87	-4,253.50	3,260.76	2,987.03	273.72	11.913		
8,900.00	7,001.66	6,967.66	6,967.66	64.92	241.50	-94.83	323.87	-4,253.50	3,161.39	2,887.59	273.80	11.546		
9,000.00	7,000.70	6,966.70	6,966.70	67.35	241.46	-94.68	323.87	-4,253.50	3,062.06	2,788.16	273.90	11.180		
9,100.00	6,999.73	6,965.73	6,965.73	69.81	241.43	-94.52	323.87	-4,253.50	2,962.78	2,688.77	274.01	10.813		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	6,964.77	6,964.77	72.31	241.40	-94.37	323.87	-4,253.50	2,863.54	2,589.40	274.14	10.445		
9,300.00	6,997.80	6,963.80	6,963.80	74.82	241.36	-94.22	323.87	-4,253.50	2,764.36	2,490.06	274.30	10.078		
9,400.00	6,996.84	6,962.84	6,962.84	77.36	241.33	-94.06	323.87	-4,253.50	2,665.24	2,390.76	274.48	9.710		
9,500.00	6,995.88	6,961.88	6,961.88	79.92	241.29	-93.91	323.87	-4,253.50	2,566.19	2,291.50	274.70	9.342		
9,600.00	6,994.91	6,960.91	6,960.91	82.49	241.26	-93.76	323.87	-4,253.50	2,467.22	2,192.27	274.95	8.973		
9,700.00	6,993.95	6,959.95	6,959.95	85.09	241.23	-93.60	323.87	-4,253.50	2,368.33	2,093.09	275.24	8.605		
9,800.00	6,992.98	6,958.98	6,958.98	87.70	241.19	-93.45	323.87	-4,253.50	2,269.54	1,993.96	275.58	8.235		
9,900.00	6,992.02	6,958.02	6,958.02	90.32	241.16	-93.30	323.87	-4,253.50	2,170.86	1,894.88	275.98	7.866		
10,000.00	6,991.05	6,957.05	6,957.05	92.95	241.13	-93.14	323.87	-4,253.50	2,072.30	1,795.85	276.45	7.496		
10,100.00	6,990.09	6,956.09	6,956.09	95.60	241.09	-92.99	323.87	-4,253.50	1,973.89	1,696.89	277.00	7.126		
10,200.00	6,989.12	6,955.12	6,955.12	98.26	241.06	-92.84	323.87	-4,253.50	1,875.65	1,597.99	277.65	6.755		
10,300.00	6,988.16	6,954.16	6,954.16	100.92	241.02	-92.68	323.87	-4,253.50	1,777.60	1,499.18	278.42	6.384		
10,400.00	6,987.19	6,953.19	6,953.19	103.60	240.99	-92.53	323.87	-4,253.50	1,679.78	1,400.45	279.34	6.013		
10,500.00	6,986.23	6,952.23	6,952.23	106.28	240.96	-92.37	323.87	-4,253.50	1,582.24	1,301.81	280.43	5.642		
10,600.00	6,985.26	6,951.26	6,951.26	108.98	240.92	-92.22	323.87	-4,253.50	1,485.02	1,203.29	281.73	5.271		
10,700.00	6,984.30	6,950.30	6,950.30	111.68	240.89	-92.07	323.87	-4,253.50	1,388.19	1,104.89	283.30	4.900		
10,800.00	6,983.33	6,949.33	6,949.33	114.38	240.86	-91.91	323.87	-4,253.50	1,291.85	1,006.65	285.20	4.530		
10,900.00	6,982.37	6,948.37	6,948.37	117.09	240.82	-91.76	323.87	-4,253.50	1,196.11	908.60	287.51	4.160		
11,000.00	6,981.40	6,947.40	6,947.40	119.81	240.79	-91.60	323.87	-4,253.50	1,101.12	810.78	290.35	3.792		
11,100.00	6,980.44	6,946.44	6,946.44	122.54	240.76	-91.45	323.87	-4,253.50	1,007.11	713.27	293.84	3.427		
11,200.00	6,979.47	6,945.47	6,945.47	125.26	240.72	-91.30	323.87	-4,253.50	914.36	616.18	298.19	3.066		
11,300.00	6,978.51	6,944.51	6,944.51	128.00	240.69	-91.14	323.87	-4,253.50	823.32	519.68	303.63	2.712		
11,400.00	6,977.54	6,943.54	6,943.54	130.73	240.65	-90.99	323.87	-4,253.50	734.60	424.10	310.50	2.366		
11,500.00	6,976.58	6,942.58	6,942.58	133.48	240.62	-90.83	323.87	-4,253.50	649.17	329.97	319.20	2.034		
11,600.00	6,975.62	6,941.62	6,941.62	136.22	240.59	-90.68	323.87	-4,253.50	568.51	238.34	330.18	1.722		
11,700.00	6,974.65	6,940.65	6,940.65	138.97	240.55	-90.53	323.87	-4,253.50	494.96	151.22	343.74	1.440 Level 3		
11,800.00	6,973.69	6,939.69	6,939.69	141.73	240.52	-90.37	323.87	-4,253.50	432.17	72.62	359.55	1.202 Level 2		
11,900.00	6,972.72	6,938.72	6,938.72	144.48	240.49	-90.22	323.87	-4,253.50	385.42	9.94	375.48	1.026 Level 2		
12,000.00	6,971.76	6,937.76	6,937.76	147.24	240.45	-90.06	323.87	-4,253.50	361.00	-25.78	386.78	0.933 Level 1		
12,041.13	6,971.36	6,937.36	6,937.36	148.38	240.44	-90.00	323.87	-4,253.50	358.65	-30.16	388.81	0.922 Level 1, CC, ES, SF		
12,100.00	6,970.79	6,936.79	6,936.79	150.00	240.42	-89.91	323.87	-4,253.50	363.45	-25.08	388.53	0.935 Level 1		
12,200.00	6,969.83	6,935.83	6,935.83	152.77	240.38	-89.76	323.87	-4,253.50	392.26	11.58	380.68	1.030 Level 2		
12,300.00	6,968.86	6,934.86	6,934.86	155.54	240.35	-89.60	323.87	-4,253.50	442.32	74.40	367.91	1.202 Level 2		
12,400.00	6,967.90	6,933.90	6,933.90	158.31	240.32	-89.45	323.87	-4,253.50	507.36	152.75	354.60	1.431 Level 3		
12,500.00	6,966.93	6,932.93	6,932.93	161.08	240.28	-89.29	323.87	-4,253.50	582.39	239.58	342.81	1.699		
12,600.00	6,965.97	6,931.97	6,931.97	163.85	240.25	-89.14	323.87	-4,253.50	664.04	331.04	332.99	1.994		
12,700.00	6,965.00	6,931.00	6,931.00	166.63	240.22	-88.98	323.87	-4,253.50	750.14	425.14	325.00	2.308		
12,800.00	6,964.04	6,930.04	6,930.04	169.41	240.18	-88.83	323.87	-4,253.50	839.33	520.81	318.51	2.635		
12,900.00	6,963.07	6,929.07	6,929.07	172.19	240.15	-88.68	323.87	-4,253.50	930.71	617.50	313.22	2.971		
13,000.00	6,962.11	6,928.11	6,928.11	174.97	240.12	-88.52	323.87	-4,253.50	1,023.71	714.85	308.86	3.314		
13,100.00	6,961.14	6,927.14	6,927.14	177.76	240.08	-88.37	323.87	-4,253.50	1,117.92	812.67	305.25	3.662		
13,200.00	6,960.18	6,926.18	6,926.18	180.54	240.05	-88.21	323.87	-4,253.50	1,213.05	910.84	302.22	4.014		
13,300.00	6,959.21	6,925.21	6,925.21	183.33	240.01	-88.06	323.87	-4,253.50	1,308.91	1,009.26	299.65	4.368		
13,400.00	6,958.25	6,924.25	6,924.25	186.12	239.98	-87.91	323.87	-4,253.50	1,405.35	1,107.88	297.47	4.724		
13,500.00	6,957.28	6,923.28	6,923.28	188.91	239.95	-87.75	323.87	-4,253.50	1,502.25	1,206.66	295.59	5.082		
13,600.00	6,956.32	6,922.32	6,922.32	191.70	239.91	-87.60	323.87	-4,253.50	1,599.53	1,305.57	293.96	5.441		
13,700.00	6,955.35	6,921.35	6,921.35	194.49	239.88	-87.45	323.87	-4,253.50	1,697.13	1,404.58	292.55	5.801		
13,800.00	6,954.39	6,920.39	6,920.39	197.29	239.85	-87.29	323.87	-4,253.50	1,794.99	1,503.68	291.31	6.162		
13,900.00	6,953.43	6,919.43	6,919.43	200.08	239.81	-87.14	323.87	-4,253.50	1,893.07	1,602.86	290.21	6.523		
14,000.00	6,952.46	6,918.46	6,918.46	202.88	239.78	-86.98	323.87	-4,253.50	1,991.35	1,702.10	289.25	6.885		
14,100.00	6,951.50	6,917.50	6,917.50	205.68	239.74	-86.83	323.87	-4,253.50	2,089.79	1,801.40	288.39	7.246		
14,200.00	6,950.53	6,916.53	6,916.53	208.48	239.71	-86.68	323.87	-4,253.50	2,188.36	1,900.74	287.62	7.609		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - FRAKER J #6-2 - OH - OH												Offset Well Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,300.00	6,949.57	6,915.57	6,915.57	211.28	239.68	-86.52	323.87	-4,253.50	2,287.07	2,000.13	286.93	7.971	
14,400.00	6,948.60	6,914.60	6,914.60	214.08	239.64	-86.37	323.87	-4,253.50	2,385.88	2,099.56	286.32	8.333	
14,500.00	6,947.64	6,913.64	6,913.64	216.88	239.61	-86.22	323.87	-4,253.50	2,484.78	2,199.02	285.76	8.695	
14,600.00	6,946.67	6,912.67	6,912.67	219.68	239.58	-86.06	323.87	-4,253.50	2,583.77	2,298.52	285.25	9.058	
14,700.00	6,945.71	6,911.71	6,911.71	222.49	239.54	-85.91	323.87	-4,253.50	2,682.83	2,398.04	284.80	9.420	
14,800.00	6,944.74	6,910.74	6,910.74	225.29	239.51	-85.76	323.87	-4,253.50	2,781.96	2,497.58	284.38	9.782	
14,900.00	6,943.78	6,909.78	6,909.78	228.10	239.48	-85.60	323.87	-4,253.50	2,881.15	2,597.15	284.00	10.145	
15,000.00	6,942.81	6,908.81	6,908.81	230.90	239.44	-85.45	323.87	-4,253.50	2,980.40	2,696.74	283.66	10.507	
15,100.00	6,941.85	6,907.85	6,907.85	233.71	239.41	-85.30	323.87	-4,253.50	3,079.69	2,796.34	283.34	10.869	
15,200.00	6,940.88	6,906.88	6,906.88	236.52	239.37	-85.14	323.87	-4,253.50	3,179.02	2,895.97	283.06	11.231	
15,300.00	6,939.92	6,905.92	6,905.92	239.32	239.34	-84.99	323.87	-4,253.50	3,278.40	2,995.61	282.79	11.593	
15,400.00	6,938.95	6,904.95	6,904.95	242.13	239.31	-84.84	323.87	-4,253.50	3,377.81	3,095.26	282.55	11.955	
15,500.00	6,937.99	6,903.99	6,903.99	244.94	239.27	-84.68	323.87	-4,253.50	3,477.26	3,194.93	282.33	12.316	
15,600.00	6,937.02	6,903.02	6,903.02	247.75	239.24	-84.53	323.87	-4,253.50	3,576.74	3,294.61	282.13	12.678	
15,706.13	6,936.00	6,902.00	6,902.00	250.74	239.20	-84.37	323.87	-4,253.50	3,682.34	3,400.41	281.93	13.061	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	71.83	805.59	2,454.34	2,583.17					
100.00	100.00	92.58	92.58	3.28	3.29	71.83	805.63	2,454.40	2,583.24	2,576.66	6.57	393.144		
200.00	200.00	195.01	195.01	3.34	3.34	71.83	805.76	2,454.45	2,583.33	2,576.65	6.68	386.998		
300.00	300.00	306.10	306.10	3.44	3.46	71.82	806.01	2,454.17	2,583.16	2,576.26	6.90	374.206		
400.00	399.98	412.91	412.91	3.60	3.63	24.84	806.28	2,453.51	2,581.06	2,573.83	7.23	356.925		
500.00	499.84	519.35	519.34	3.81	3.85	24.93	806.46	2,452.52	2,575.49	2,567.84	7.65	336.586		
600.00	599.45	614.41	614.39	4.05	4.07	25.08	806.38	2,451.73	2,566.77	2,558.65	8.12	316.061		
700.00	698.70	712.11	712.10	4.33	4.34	25.29	806.42	2,451.00	2,555.03	2,546.37	8.66	295.100		
800.00	797.47	813.73	813.72	4.64	4.63	25.56	806.65	2,450.13	2,540.13	2,530.87	9.26	274.333		
902.00	897.58	915.25	915.22	4.98	4.95	25.91	806.87	2,449.18	2,521.67	2,511.76	9.91	254.401		
1,000.00	993.42	1,013.53	1,013.51	5.33	5.27	26.11	807.05	2,448.20	2,502.36	2,491.79	10.57	236.642		
1,100.00	1,091.22	1,121.11	1,121.07	5.71	5.64	26.32	807.28	2,446.82	2,482.42	2,471.12	11.30	219.655		
1,200.00	1,189.02	1,224.88	1,224.83	6.11	6.01	26.54	807.36	2,445.14	2,462.16	2,450.11	12.04	204.462		
1,300.00	1,286.82	1,320.98	1,320.92	6.53	6.36	26.74	807.47	2,443.50	2,441.86	2,429.08	12.78	191.105		
1,400.00	1,384.62	1,416.77	1,416.69	6.95	6.71	26.94	807.81	2,441.90	2,421.68	2,408.15	13.53	178.991		
1,500.00	1,482.42	1,518.39	1,518.30	7.38	7.10	27.15	808.02	2,440.13	2,401.44	2,387.12	14.32	167.732		
1,600.00	1,580.22	1,612.96	1,612.85	7.83	7.46	27.36	808.21	2,438.51	2,381.25	2,366.15	15.09	157.778		
1,700.00	1,678.03	1,712.55	1,712.42	8.27	7.85	27.58	808.40	2,436.83	2,361.10	2,345.21	15.90	148.533		
1,800.00	1,775.83	1,814.46	1,814.32	8.72	8.25	27.81	808.50	2,434.94	2,340.81	2,324.09	16.72	140.023		
1,900.00	1,873.63	1,904.74	1,904.58	9.18	8.60	28.02	808.70	2,433.32	2,320.65	2,303.15	17.51	132.565		
2,000.00	1,971.43	1,988.61	1,988.44	9.64	8.94	28.21	809.19	2,432.14	2,300.98	2,282.70	18.28	125.883		
2,100.00	2,069.23	2,081.73	2,081.55	10.11	9.31	28.41	810.06	2,431.14	2,281.74	2,262.65	19.09	119.526		
2,200.00	2,167.03	2,179.46	2,179.27	10.57	9.70	28.62	811.47	2,430.05	2,262.63	2,242.71	19.92	113.569		
2,300.00	2,264.83	2,273.59	2,273.37	11.04	10.08	28.80	813.59	2,428.85	2,243.59	2,222.84	20.75	108.131		
2,400.00	2,362.63	2,370.54	2,370.27	11.52	10.48	28.99	816.08	2,427.68	2,224.73	2,203.14	21.59	103.048		
2,500.00	2,460.43	2,457.35	2,457.04	11.99	10.84	29.15	818.70	2,426.68	2,206.05	2,183.65	22.40	98.488		
2,600.00	2,558.23	2,544.71	2,544.34	12.47	11.19	29.29	822.00	2,426.09	2,188.02	2,164.81	23.21	94.251		
2,700.00	2,656.03	2,640.15	2,639.71	12.94	11.59	29.46	825.71	2,425.69	2,170.28	2,146.22	24.06	90.195		
2,800.00	2,753.83	2,735.85	2,735.32	13.42	11.99	29.62	829.67	2,425.27	2,152.61	2,127.70	24.91	86.405		
2,900.00	2,851.63	2,821.96	2,821.36	13.90	12.34	29.76	833.38	2,425.12	2,135.25	2,109.52	25.73	82.975		
3,000.00	2,949.43	2,900.00	2,899.31	14.38	12.67	29.89	836.90	2,425.72	2,118.83	2,092.30	26.53	79.872		
3,100.00	3,047.23	2,997.03	2,996.23	14.87	13.08	30.06	841.30	2,426.98	2,102.96	2,075.57	27.39	76.779		
3,200.00	3,145.03	3,086.91	3,086.01	15.35	13.45	30.22	845.40	2,428.26	2,087.22	2,058.99	28.23	73.940		
3,300.00	3,242.83	3,180.52	3,179.50	15.83	13.84	30.39	849.75	2,429.90	2,071.85	2,042.77	29.08	71.241		
3,400.00	3,340.63	3,270.56	3,269.44	16.32	14.22	30.56	853.63	2,431.82	2,056.79	2,026.87	29.92	68.734		
3,500.00	3,438.43	3,370.98	3,369.76	16.80	14.64	30.78	857.25	2,434.40	2,042.03	2,011.23	30.80	66.293		
3,600.00	3,536.23	3,468.16	3,466.85	17.29	15.05	31.00	860.60	2,436.78	2,027.14	1,995.47	31.67	64.004		
3,700.00	3,634.03	3,564.89	3,563.50	17.78	15.45	31.22	863.91	2,439.32	2,012.44	1,979.90	32.54	61.843		
3,800.00	3,731.83	3,677.48	3,676.01	18.26	15.92	31.51	866.74	2,442.24	1,997.57	1,964.11	33.46	59.694		
3,900.00	3,829.63	3,785.33	3,783.82	18.75	16.37	31.82	868.34	2,444.44	1,981.99	1,947.62	34.37	57.666		
4,000.00	3,927.43	3,891.12	3,889.59	19.24	16.82	32.14	869.72	2,446.23	1,966.09	1,930.82	35.27	55.744		
4,100.00	4,025.23	3,997.83	3,996.29	19.73	17.26	32.46	870.85	2,447.64	1,949.84	1,913.66	36.17	53.903		
4,200.00	4,123.03	4,106.74	4,105.18	20.22	17.72	32.80	872.04	2,448.52	1,933.15	1,896.07	37.08	52.132		
4,300.00	4,220.83	4,200.98	4,199.42	20.71	18.11	33.09	873.27	2,449.10	1,916.36	1,878.41	37.95	50.496		
4,400.00	4,318.63	4,303.83	4,302.25	21.20	18.54	33.41	874.86	2,449.63	1,899.58	1,860.73	38.84	48.903		
4,500.00	4,416.43	4,413.15	4,411.56	21.69	19.00	33.73	876.89	2,449.73	1,882.50	1,842.74	39.75	47.353		
4,600.00	4,514.23	4,548.02	4,546.40	22.18	19.57	34.16	878.68	2,448.08	1,864.09	1,823.37	40.72	45.776		
4,700.00	4,612.03	4,662.13	4,660.46	22.67	20.05	34.54	879.59	2,445.00	1,844.22	1,802.59	41.63	44.296		
4,800.00	4,709.83	4,765.87	4,764.15	23.16	20.49	34.90	880.11	2,441.75	1,823.96	1,781.44	42.53	42.892		
4,900.00	4,807.63	4,863.28	4,861.50	23.65	20.90	35.25	880.53	2,438.47	1,803.54	1,760.14	43.41	41.551		
5,000.00	4,905.43	4,963.30	4,961.46	24.14	21.33	35.61	881.01	2,435.14	1,783.23	1,738.93	44.29	40.261		
5,100.00	5,003.23	5,060.78	5,058.88	24.63	21.74	35.97	881.51	2,431.68	1,762.78	1,717.60	45.17	39.022		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,157.78	5,155.82	25.12	22.15	36.33	882.18	2,428.32	1,742.49	1,696.43	46.06	37.833		
5,300.00	5,198.83	5,252.57	5,250.56	25.62	22.55	36.71	882.42	2,425.08	1,722.28	1,675.34	46.94	36.692		
5,400.00	5,296.63	5,340.48	5,338.43	26.11	22.93	37.07	882.48	2,422.39	1,702.47	1,654.65	47.81	35.607		
5,500.00	5,394.43	5,432.04	5,429.96	26.60	23.31	37.46	882.57	2,420.21	1,683.39	1,634.69	48.69	34.571		
5,600.00	5,492.23	5,534.90	5,532.79	27.09	23.75	37.92	882.28	2,417.52	1,664.12	1,614.53	49.59	33.557		
5,700.00	5,590.03	5,623.22	5,621.07	27.58	24.12	38.31	882.26	2,415.32	1,645.12	1,594.65	50.47	32.596		
5,800.00	5,687.83	5,704.58	5,702.43	28.08	24.47	38.68	882.40	2,413.99	1,627.05	1,575.71	51.34	31.693		
5,900.00	5,785.63	5,803.68	5,801.52	28.57	24.89	39.13	882.70	2,412.79	1,609.50	1,557.27	52.24	30.812		
6,000.00	5,883.43	5,906.72	5,904.54	29.06	25.33	39.60	883.28	2,411.29	1,591.83	1,538.69	53.14	29.956		
6,100.00	5,981.23	5,999.83	5,997.63	29.56	25.72	40.02	884.34	2,409.90	1,574.26	1,520.23	54.03	29.138		
6,200.00	6,079.04	6,087.01	6,084.80	30.05	26.09	40.39	886.02	2,408.96	1,557.22	1,502.31	54.91	28.360		
6,300.00	6,176.84	6,194.53	6,192.27	30.54	26.55	40.83	888.86	2,407.89	1,540.39	1,484.57	55.82	27.595		
6,409.71	6,284.13	6,295.79	6,293.47	31.08	26.98	41.24	891.95	2,406.63	1,521.77	1,464.97	56.80	26.792		
6,450.00	6,323.71	6,338.27	6,335.93	31.28	27.16	55.56	893.27	2,406.17	1,516.27	1,459.11	57.16	26.526		
6,500.00	6,373.15	6,392.18	6,389.82	31.50	27.39	83.29	894.80	2,405.45	1,512.87	1,455.27	57.60	26.264		
6,519.93	6,392.89	6,414.13	6,411.76	31.58	27.48	96.32	895.39	2,405.11	1,512.57	1,454.80	57.77	26.181	CC, ES	
6,550.00	6,422.65	6,447.59	6,445.20	31.70	27.63	114.60	896.30	2,404.53	1,513.25	1,455.22	58.03	26.077		
6,600.00	6,471.92	6,503.07	6,500.64	31.89	27.86	136.26	897.88	2,403.40	1,517.38	1,458.94	58.44	25.966		
6,650.00	6,520.65	6,547.18	6,544.73	32.07	28.05	148.72	899.17	2,402.49	1,525.41	1,466.59	58.81	25.937	SF	
6,700.00	6,568.54	6,591.11	6,588.63	32.25	28.24	156.19	900.48	2,401.71	1,537.44	1,478.27	59.17	25.984		
6,750.00	6,615.30	6,641.68	6,639.17	32.43	28.45	161.07	902.06	2,400.85	1,553.29	1,493.78	59.51	26.101		
6,800.00	6,660.63	6,692.86	6,690.31	32.61	28.67	164.48	903.77	2,399.81	1,572.67	1,512.84	59.83	26.284		
6,850.00	6,704.26	6,740.03	6,737.43	32.80	28.87	166.99	905.51	2,398.72	1,595.50	1,535.37	60.13	26.534		
6,900.00	6,745.92	6,784.89	6,782.25	33.00	29.06	168.93	907.39	2,397.62	1,621.68	1,561.28	60.40	26.847		
6,950.00	6,785.34	6,823.66	6,820.96	33.21	29.23	170.47	909.18	2,396.63	1,651.10	1,590.45	60.65	27.224		
7,000.00	6,822.30	6,858.02	6,855.26	33.44	29.38	171.75	910.92	2,395.82	1,683.67	1,622.80	60.87	27.661		
7,050.00	6,856.55	6,889.85	6,887.04	33.69	29.51	172.87	912.66	2,395.14	1,719.19	1,658.13	61.06	28.156		
7,100.00	6,887.90	6,924.67	6,921.80	33.97	29.66	173.89	914.66	2,394.41	1,757.37	1,696.14	61.24	28.698		
7,150.00	6,916.14	6,959.15	6,956.21	34.28	29.81	174.87	916.64	2,393.60	1,797.89	1,736.49	61.40	29.284		
7,200.00	6,941.10	6,990.06	6,987.05	34.62	29.94	175.88	918.41	2,392.79	1,840.50	1,778.97	61.53	29.912		
7,250.00	6,962.63	7,017.18	7,014.12	35.00	30.05	176.99	919.96	2,392.01	1,884.97	1,823.33	61.64	30.579		
7,300.00	6,980.59	7,030.02	7,026.94	35.43	30.11	178.37	920.68	2,391.69	1,931.13	1,869.42	61.72	31.291		
7,350.00	6,994.88	7,043.81	7,040.70	35.89	30.17	179.68	921.45	2,391.33	1,978.65	1,916.87	61.78	32.029		
7,400.00	7,005.41	7,054.19	7,051.06	36.39	30.21	176.41	922.02	2,391.06	2,027.24	1,965.42	61.82	32.794		
7,450.00	7,012.10	7,061.12	7,057.98	36.93	30.24	169.24	922.41	2,390.89	2,076.59	2,014.75	61.84	33.578		
7,500.00	7,014.93	7,064.59	7,061.44	37.50	30.26	141.71	922.60	2,390.81	2,126.40	2,064.54	61.86	34.377		
7,517.56	7,015.00	7,064.99	7,061.84	37.70	30.26	111.27	922.62	2,390.80	2,143.94	2,082.08	61.86	34.660		
7,600.00	7,014.21	7,065.86	7,062.71	38.74	30.26	111.83	922.67	2,390.77	2,226.32	2,164.46	61.86	35.992		
7,700.00	7,013.24	7,066.91	7,063.75	40.15	30.27	112.51	922.72	2,390.75	2,326.25	2,264.39	61.86	37.606		
7,800.00	7,012.28	7,067.94	7,064.79	41.71	30.27	113.18	922.78	2,390.72	2,426.19	2,364.33	61.86	39.220		
7,900.00	7,011.31	7,068.96	7,065.81	43.40	30.28	113.83	922.84	2,390.70	2,526.13	2,464.27	61.87	40.833		
8,000.00	7,010.35	7,069.97	7,066.82	45.21	30.28	114.47	922.89	2,390.68	2,626.08	2,564.21	61.87	42.444		
8,100.00	7,009.38	7,070.97	7,067.82	47.12	30.28	115.09	922.95	2,390.65	2,726.03	2,664.15	61.88	44.055		
8,200.00	7,008.42	7,071.97	7,068.81	49.12	30.29	115.71	923.00	2,390.63	2,825.98	2,764.09	61.89	45.664		
8,300.00	7,007.45	7,072.95	7,069.78	51.21	30.29	116.31	923.05	2,390.60	2,925.94	2,864.04	61.90	47.272		
8,400.00	7,006.49	7,073.92	7,070.75	53.36	30.30	116.90	923.11	2,390.58	3,025.89	2,963.99	61.91	48.878		
8,500.00	7,005.52	7,074.88	7,071.71	55.57	30.30	117.48	923.16	2,390.56	3,125.85	3,063.93	61.92	50.483		
8,600.00	7,004.56	7,075.83	7,072.66	57.84	30.30	118.05	923.21	2,390.54	3,225.82	3,163.88	61.93	52.086		
8,700.00	7,003.59	7,076.77	7,073.60	60.16	30.31	118.61	923.26	2,390.51	3,325.78	3,263.83	61.95	53.688		
8,800.00	7,002.63	7,077.70	7,074.53	62.52	30.31	119.16	923.31	2,390.49	3,425.75	3,363.78	61.96	55.287		
8,900.00	7,001.66	7,078.62	7,075.45	64.92	30.32	119.70	923.36	2,390.47	3,525.72	3,463.74	61.98	56.885		
9,000.00	7,000.70	7,079.53	7,076.36	67.35	30.32	120.22	923.41	2,390.45	3,625.68	3,563.69	62.00	58.481		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,080.43	7,077.26	69.81	30.32	-120.74	923.46	2,390.43	3,725.66	3,663.64	62.02	60.075		
9,200.00	6,998.77	7,081.33	7,078.15	72.31	30.33	-121.25	923.51	2,390.41	3,825.63	3,763.59	62.04	61.667		
9,300.00	6,997.80	7,082.21	7,079.03	74.82	30.33	-121.74	923.56	2,390.39	3,925.60	3,863.54	62.06	63.257		
9,400.00	6,996.84	7,083.09	7,079.91	77.36	30.34	-122.23	923.60	2,390.37	4,025.57	3,963.49	62.08	64.844		
9,500.00	6,995.88	7,083.96	7,080.78	79.92	30.34	-122.71	923.65	2,390.35	4,125.55	4,063.45	62.10	66.429		
9,600.00	6,994.91	7,084.82	7,081.63	82.49	30.34	-123.18	923.70	2,390.33	4,225.53	4,163.40	62.13	68.012		
9,700.00	6,993.95	7,085.67	7,082.48	85.09	30.35	-123.64	923.74	2,390.31	4,325.50	4,263.35	62.16	69.592		
9,800.00	6,992.98	7,086.51	7,083.32	87.70	30.35	-124.09	923.79	2,390.29	4,425.48	4,363.30	62.18	71.170		
9,900.00	6,992.02	7,087.34	7,084.16	90.32	30.35	-124.53	923.83	2,390.27	4,525.46	4,463.25	62.21	72.745		
10,000.00	6,991.05	7,088.17	7,084.98	92.95	30.36	-124.97	923.88	2,390.25	4,625.44	4,563.20	62.24	74.317		
10,100.00	6,990.09	7,088.99	7,085.80	95.60	30.36	-125.39	923.92	2,390.23	4,725.42	4,663.15	62.27	75.886		
10,200.00	6,989.12	7,089.80	7,086.61	98.26	30.36	-125.81	923.96	2,390.21	4,825.40	4,763.10	62.30	77.453		
10,300.00	6,988.16	7,090.60	7,087.41	100.92	30.37	-126.22	924.01	2,390.19	4,925.38	4,863.05	62.33	79.017		
10,400.00	6,987.19	7,091.40	7,088.20	103.60	30.37	-126.62	924.05	2,390.18	5,025.36	4,963.00	62.37	80.577		
10,500.00	6,986.23	7,092.19	7,088.99	106.28	30.37	-127.02	924.09	2,390.16	5,125.35	5,062.94	62.40	82.135		
10,600.00	6,985.26	7,092.97	7,089.77	108.98	30.38	-127.41	924.13	2,390.14	5,225.33	5,162.89	62.44	83.689		
10,700.00	6,984.30	7,093.74	7,090.54	111.68	30.38	-127.79	924.18	2,390.12	5,325.31	5,262.84	62.47	85.241		
10,800.00	6,983.33	7,094.51	7,091.31	114.38	30.38	-128.16	924.22	2,390.11	5,425.30	5,362.78	62.51	86.789		
10,900.00	6,982.37	7,100.00	7,096.79	117.09	30.41	-130.75	924.51	2,389.98	5,525.28	5,462.72	62.56	88.318		
11,000.00	6,981.40	7,100.00	7,096.79	119.81	30.41	-130.75	924.51	2,389.98	5,625.27	5,562.67	62.60	89.861		
11,100.00	6,980.44	7,100.00	7,096.79	122.54	30.41	-130.75	924.51	2,389.98	5,725.25	5,662.61	62.64	91.401		
11,200.00	6,979.47	7,100.00	7,096.79	125.26	30.41	-130.75	924.51	2,389.98	5,825.24	5,762.56	62.68	92.938		
11,300.00	6,978.51	7,100.00	7,096.79	128.00	30.41	-130.75	924.51	2,389.98	5,925.22	5,862.50	62.72	94.471		
11,400.00	6,977.54	7,100.00	7,096.79	130.73	30.41	-130.75	924.51	2,389.98	6,025.21	5,962.45	62.76	96.000		
11,500.00	6,976.58	7,100.00	7,096.79	133.48	30.41	-130.75	924.51	2,389.98	6,125.19	6,062.39	62.81	97.526		
11,600.00	6,975.62	7,101.66	7,098.44	136.22	30.42	-131.49	924.60	2,389.95	6,225.18	6,162.33	62.85	99.042		
11,700.00	6,974.65	7,104.84	7,101.62	138.97	30.43	-132.88	924.77	2,389.88	6,325.17	6,262.26	62.91	100.548		
11,800.00	6,973.69	7,108.24	7,105.02	141.73	30.44	-134.31	924.95	2,389.80	6,425.16	6,362.19	62.96	102.049		
11,900.00	6,972.72	7,111.90	7,108.67	144.48	30.46	-135.78	925.14	2,389.71	6,525.14	6,462.12	63.02	103.545		
12,000.00	6,971.76	7,115.84	7,112.61	147.24	30.48	-137.28	925.35	2,389.62	6,625.13	6,562.05	63.08	105.035		
12,100.00	6,970.79	7,120.09	7,116.85	150.00	30.49	-138.83	925.57	2,389.52	6,725.11	6,661.98	63.14	106.520		
12,200.00	6,969.83	7,124.70	7,121.45	152.77	30.51	-140.41	925.82	2,389.41	6,825.10	6,761.90	63.20	107.998		
12,300.00	6,968.86	7,129.70	7,126.44	155.54	30.53	-142.02	926.08	2,389.28	6,925.09	6,861.82	63.26	109.470		
12,400.00	6,967.90	7,135.16	7,131.89	158.31	30.56	-143.67	926.36	2,389.14	7,025.07	6,961.74	63.33	110.935		
12,500.00	6,966.93	7,141.13	7,137.85	161.08	30.58	-145.35	926.67	2,388.99	7,125.05	7,061.66	63.39	112.393		
12,600.00	6,965.97	7,147.70	7,144.41	163.85	30.61	-147.06	927.01	2,388.81	7,225.04	7,161.57	63.46	113.843		
12,700.00	6,965.00	7,154.95	7,151.65	166.63	30.64	-148.80	927.38	2,388.61	7,325.02	7,261.48	63.54	115.285		
12,800.00	6,964.04	12,800.00	7,129.21	169.41	54.78	-142.87	926.21	2,389.18	7,424.98	7,337.22	87.76	84.603		
12,900.00	6,963.07	12,900.00	7,130.47	172.19	55.21	-143.25	926.28	2,389.15	7,524.97	7,436.72	88.25	85.273		
13,000.00	6,962.11	13,000.00	7,131.73	174.97	55.64	-143.62	926.34	2,389.12	7,624.95	7,536.22	88.73	85.935		
13,100.00	6,961.14	13,100.00	7,132.98	177.76	56.07	-143.98	926.41	2,389.09	7,724.94	7,635.73	89.21	86.588		
13,200.00	6,960.18	13,200.00	7,134.24	180.54	56.50	-144.34	926.47	2,389.06	7,824.93	7,735.23	89.70	87.234		
13,300.00	6,959.21	13,300.00	7,135.50	183.33	56.92	-144.70	926.54	2,389.02	7,924.92	7,834.73	90.19	87.871		
13,400.00	6,958.25	13,400.00	7,136.75	186.12	57.35	-145.05	926.61	2,388.99	8,024.90	7,934.23	90.68	88.501		
13,500.00	6,957.28	13,500.00	7,138.01	188.91	57.78	-145.39	926.67	2,388.96	8,124.89	8,033.73	91.16	89.123		
13,600.00	6,956.32	13,600.00	7,139.27	191.70	58.21	-145.73	926.74	2,388.93	8,224.88	8,133.22	91.65	89.738		
13,700.00	6,955.35	13,700.00	7,140.52	194.49	58.64	-146.06	926.80	2,388.90	8,324.86	8,232.72	92.15	90.345		
13,800.00	6,954.39	13,800.00	7,141.78	197.29	59.07	-146.39	926.87	2,388.87	8,424.85	8,332.22	92.64	90.945		
13,900.00	6,953.43	13,900.00	7,143.04	200.08	59.50	-146.72	926.93	2,388.84	8,524.84	8,431.71	93.13	91.537		
14,000.00	6,952.46	14,000.00	7,144.29	202.88	59.92	-147.03	927.00	2,388.81	8,624.83	8,531.20	93.62	92.122		
14,100.00	6,951.50	14,100.00	7,145.55	205.68	60.35	-147.35	927.07	2,388.78	8,724.82	8,630.70	94.12	92.701		
14,200.00	6,950.53	7,150.00	7,146.71	208.48	30.62	-147.63	927.13	2,388.75	8,824.80	8,760.33	64.47	136.878		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,300.00	6,949.57	7,150.00	7,146.71	211.28	30.62	-147.63	927.13	2,388.75	8,924.79	8,860.25	64.54	138.278	
14,400.00	6,948.60	7,150.00	7,146.71	214.08	30.62	-147.63	927.13	2,388.75	9,024.78	8,960.17	64.61	139.673	
14,500.00	6,947.64	7,150.00	7,146.71	216.88	30.62	-147.63	927.13	2,388.75	9,124.77	9,060.08	64.69	141.064	
14,600.00	6,946.67	7,150.00	7,146.71	219.68	30.62	-147.63	927.13	2,388.75	9,224.76	9,160.00	64.76	142.449	
14,700.00	6,945.71	7,150.00	7,146.71	222.49	30.62	-147.63	927.13	2,388.75	9,324.75	9,259.92	64.83	143.829	
14,800.00	6,944.74	7,150.00	7,146.71	225.29	30.62	-147.63	927.13	2,388.75	9,424.74	9,359.83	64.91	145.204	
14,900.00	6,943.78	7,150.00	7,146.71	228.10	30.62	-147.63	927.13	2,388.75	9,524.73	9,459.74	64.98	146.574	
15,000.00	6,942.81	7,150.00	7,146.71	230.90	30.62	-147.63	927.13	2,388.75	9,624.72	9,559.66	65.06	147.939	
15,100.00	6,941.85	7,150.00	7,146.71	233.71	30.62	-147.63	927.13	2,388.75	9,724.71	9,659.57	65.14	149.299	
15,200.00	6,940.88	7,150.00	7,146.71	236.52	30.62	-147.63	927.13	2,388.75	9,824.70	9,759.48	65.21	150.654	
15,300.00	6,939.92	7,150.00	7,146.71	239.32	30.62	-147.63	927.13	2,388.75	9,924.69	9,859.40	65.29	152.004	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	94.94	-773.60	8,949.44	8,982.86					
100.00	100.00	72.00	72.00	3.28	3.51	94.94	-773.60	8,949.44	8,982.82	8,976.02	6.80	1,321.538		
200.00	200.00	172.00	172.00	3.34	5.38	94.94	-773.60	8,949.44	8,982.82	8,974.10	8.71	1,031.004		
300.00	300.00	272.00	272.00	3.44	8.42	94.94	-773.60	8,949.44	8,982.82	8,970.96	11.86	757.376		
400.00	399.98	371.98	371.98	3.60	11.71	47.97	-773.60	8,949.44	8,981.65	8,966.34	15.31	586.605		
500.00	499.84	471.84	471.84	3.81	15.09	48.04	-773.60	8,949.44	8,978.14	8,959.25	18.89	475.266		
600.00	599.45	571.45	571.45	4.05	18.50	48.17	-773.60	8,949.44	8,972.31	8,949.77	22.54	398.041		
700.00	698.70	670.70	670.70	4.33	21.92	48.35	-773.60	8,949.44	8,964.16	8,937.93	26.23	341.698		
800.00	797.47	769.47	769.47	4.64	25.33	48.58	-773.60	8,949.44	8,953.72	8,923.77	29.95	298.927		
902.00	897.58	869.58	869.58	4.98	28.80	48.87	-773.60	8,949.44	8,940.72	8,906.96	33.76	264.829		
1,000.00	993.42	965.42	965.42	5.33	32.13	48.97	-773.60	8,949.44	8,927.12	8,889.69	37.43	238.486		
1,100.00	1,091.22	1,063.22	1,063.22	5.71	35.52	49.07	-773.60	8,949.44	8,913.27	8,872.07	41.20	216.344		
1,200.00	1,189.02	1,161.02	1,161.02	6.11	38.92	49.17	-773.60	8,949.44	8,899.44	8,854.46	44.98	197.831		
1,300.00	1,286.82	1,258.82	1,258.82	6.53	42.33	49.27	-773.60	8,949.44	8,885.65	8,836.86	48.79	182.137		
1,400.00	1,384.62	1,356.62	1,356.62	6.95	45.73	49.37	-773.60	8,949.44	8,871.88	8,819.28	52.60	168.673		
1,500.00	1,482.42	1,454.42	1,454.42	7.38	49.14	49.47	-773.60	8,949.44	8,858.13	8,801.71	56.42	157.001		
1,600.00	1,580.22	1,552.22	1,552.22	7.83	52.55	49.57	-773.60	8,949.44	8,844.42	8,784.17	60.25	146.789		
1,700.00	1,678.03	1,650.03	1,650.03	8.27	55.95	49.68	-773.60	8,949.44	8,830.73	8,766.64	64.09	137.784		
1,800.00	1,775.83	1,747.83	1,747.83	8.72	59.36	49.78	-773.60	8,949.44	8,817.07	8,749.14	67.94	129.786		
1,900.00	1,873.63	1,845.63	1,845.63	9.18	62.77	49.88	-773.60	8,949.44	8,803.44	8,731.66	71.79	122.635		
2,000.00	1,971.43	1,943.43	1,943.43	9.64	66.18	49.98	-773.60	8,949.44	8,789.84	8,714.20	75.64	116.206		
2,100.00	2,069.23	2,041.23	2,041.23	10.11	69.59	50.09	-773.60	8,949.44	8,776.27	8,696.77	79.50	110.396		
2,200.00	2,167.03	2,139.03	2,139.03	10.57	73.00	50.19	-773.60	8,949.44	8,762.72	8,679.36	83.36	105.119		
2,300.00	2,264.83	2,236.83	2,236.83	11.04	76.41	50.29	-773.60	8,949.44	8,749.21	8,661.98	87.22	100.307		
2,400.00	2,362.63	2,334.63	2,334.63	11.52	79.82	50.40	-773.60	8,949.44	8,735.72	8,644.63	91.09	95.900		
2,500.00	2,460.43	2,432.43	2,432.43	11.99	83.24	50.50	-773.60	8,949.44	8,722.26	8,627.30	94.96	91.851		
2,600.00	2,558.23	2,530.23	2,530.23	12.47	86.65	50.61	-773.60	8,949.44	8,708.83	8,610.00	98.83	88.117		
2,700.00	2,656.03	2,628.03	2,628.03	12.94	90.06	50.71	-773.60	8,949.44	8,695.44	8,592.73	102.71	84.663		
2,800.00	2,753.83	2,725.83	2,725.83	13.42	93.47	50.82	-773.60	8,949.44	8,682.07	8,575.48	106.58	81.459		
2,900.00	2,851.63	2,823.63	2,823.63	13.90	96.88	50.92	-773.60	8,949.44	8,668.72	8,558.27	110.46	78.479		
3,000.00	2,949.43	2,921.43	2,921.43	14.38	100.30	51.03	-773.60	8,949.44	8,655.41	8,541.08	114.34	75.701		
3,100.00	3,047.23	3,019.23	3,019.23	14.87	103.71	51.13	-773.60	8,949.44	8,642.13	8,523.92	118.22	73.104		
3,200.00	3,145.03	3,117.03	3,117.03	15.35	107.12	51.24	-773.60	8,949.44	8,628.88	8,506.79	122.10	70.672		
3,300.00	3,242.83	3,214.83	3,214.83	15.83	110.53	51.35	-773.60	8,949.44	8,615.66	8,489.68	125.98	68.390		
3,400.00	3,340.63	3,312.63	3,312.63	16.32	113.95	51.45	-773.60	8,949.44	8,602.47	8,472.61	129.86	66.243		
3,500.00	3,438.43	3,410.43	3,410.43	16.80	117.36	51.56	-773.60	8,949.44	8,589.31	8,455.57	133.75	64.221		
3,600.00	3,536.23	3,508.23	3,508.23	17.29	120.77	51.67	-773.60	8,949.44	8,576.18	8,438.55	137.63	62.313		
3,700.00	3,634.03	3,606.03	3,606.03	17.78	124.18	51.78	-773.60	8,949.44	8,563.08	8,421.57	141.51	60.510		
3,800.00	3,731.83	3,703.83	3,703.83	18.26	127.60	51.88	-773.60	8,949.44	8,550.01	8,404.61	145.40	58.803		
3,900.00	3,829.63	3,801.63	3,801.63	18.75	131.01	51.99	-773.60	8,949.44	8,536.98	8,387.69	149.29	57.185		
4,000.00	3,927.43	3,900.57	3,899.43	19.24	134.46	52.10	-773.60	8,949.44	8,523.97	8,370.76	153.21	55.634		
4,100.00	4,025.23	4,002.77	3,997.23	19.73	138.03	52.21	-773.60	8,949.44	8,511.00	8,353.74	157.26	54.122		
4,200.00	4,123.03	4,104.97	4,095.03	20.22	141.60	52.32	-773.60	8,949.44	8,498.05	8,336.76	161.30	52.685		
4,300.00	4,220.83	4,207.17	4,192.83	20.71	145.16	52.43	-773.60	8,949.44	8,485.14	8,319.80	165.34	51.319		
4,400.00	4,318.63	4,309.37	4,290.63	21.20	148.73	52.54	-773.60	8,949.44	8,472.26	8,302.88	169.38	50.018		
4,500.00	4,416.43	4,388.43	4,388.43	21.69	151.49	52.65	-773.60	8,949.44	8,459.41	8,286.79	172.62	49.006		
4,600.00	4,514.23	4,486.23	4,486.23	22.18	154.90	52.76	-773.60	8,949.44	8,446.60	8,270.09	176.51	47.853		
4,700.00	4,612.03	4,584.03	4,584.03	22.67	158.32	52.87	-773.60	8,949.44	8,433.81	8,253.41	180.40	46.750		
4,800.00	4,709.83	4,681.83	4,681.83	23.16	161.73	52.99	-773.60	8,949.44	8,421.06	8,236.77	184.29	45.694		
4,900.00	4,807.63	4,779.63	4,779.63	23.65	165.14	53.10	-773.60	8,949.44	8,408.34	8,220.16	188.19	44.681		
5,000.00	4,905.43	4,877.43	4,877.43	24.14	168.56	53.21	-773.60	8,949.44	8,395.65	8,203.58	192.08	43.710		
5,100.00	5,003.23	4,975.23	4,975.23	24.63	171.97	53.32	-773.60	8,949.44	8,383.00	8,187.03	195.97	42.777		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,073.03	5,073.03	25.12	175.39	53.43	-773.60	8,949.44	8,370.38	8,170.52	199.86	41.880		
5,300.00	5,198.83	5,170.83	5,170.83	25.62	178.80	53.55	-773.60	8,949.44	8,357.79	8,154.03	203.76	41.018		
5,400.00	5,296.63	5,268.63	5,268.63	26.11	182.21	53.66	-773.60	8,949.44	8,345.23	8,137.58	207.65	40.189		
5,500.00	5,394.43	5,366.43	5,366.43	26.60	185.63	53.78	-773.60	8,949.44	8,332.71	8,121.17	211.54	39.390		
5,600.00	5,492.23	5,464.23	5,464.23	27.09	189.04	53.89	-773.60	8,949.44	8,320.22	8,104.79	215.44	38.620		
5,700.00	5,590.03	5,562.03	5,562.03	27.58	192.45	54.00	-773.60	8,949.44	8,307.77	8,088.44	219.33	37.877		
5,800.00	5,687.83	5,659.83	5,659.83	28.08	195.87	54.12	-773.60	8,949.44	8,295.35	8,072.12	223.23	37.161		
5,900.00	5,785.63	5,757.63	5,757.63	28.57	199.28	54.23	-773.60	8,949.44	8,282.96	8,055.84	227.12	36.469		
6,000.00	5,883.43	5,855.43	5,855.43	29.06	202.69	54.35	-773.60	8,949.44	8,270.61	8,039.59	231.02	35.800		
6,100.00	5,981.23	5,953.23	5,953.23	29.56	206.11	54.47	-773.60	8,949.44	8,258.29	8,023.37	234.92	35.154		
6,200.00	6,079.04	6,051.04	6,051.04	30.05	209.52	54.58	-773.60	8,949.44	8,246.00	8,007.19	238.81	34.529		
6,300.00	6,176.84	6,148.84	6,148.84	30.54	212.94	54.70	-773.60	8,949.44	8,233.75	7,991.05	242.71	33.924		
6,409.71	6,284.13	6,256.13	6,256.13	31.08	216.68	54.83	-773.60	8,949.44	8,220.35	7,973.37	246.98	33.283		
6,450.00	6,323.71	6,304.29	6,295.71	31.28	218.36	68.95	-773.60	8,949.44	8,216.68	7,967.82	248.85	33.018		
6,489.70	6,362.95	6,334.95	6,334.95	31.45	219.43	90.00	-773.60	8,949.44	8,215.47	7,965.37	250.10	32.849 CC		
6,500.00	6,373.15	6,345.15	6,345.15	31.50	219.79	96.49	-773.60	8,949.44	8,215.55	7,965.05	250.50	32.796 ES		
6,550.00	6,422.65	6,405.35	6,394.65	31.70	221.89	127.67	-773.60	8,949.44	8,218.25	7,965.44	252.81	32.508		
6,600.00	6,471.92	6,443.92	6,443.92	31.89	223.24	149.28	-773.60	8,949.44	8,224.74	7,970.40	254.34	32.338		
6,650.00	6,520.65	6,507.35	6,492.65	32.07	225.45	161.81	-773.60	8,949.44	8,234.98	7,978.26	256.72	32.078		
6,700.00	6,568.54	6,540.54	6,540.54	32.25	226.61	169.44	-773.60	8,949.44	8,248.92	7,990.89	258.03	31.969		
6,750.00	6,615.30	6,587.30	6,587.30	32.43	228.24	174.54	-773.60	8,949.44	8,266.46	8,006.66	259.80	31.818		
6,800.00	6,660.63	6,632.63	6,632.63	32.61	229.82	178.27	-773.60	8,949.44	8,287.49	8,025.98	261.51	31.691		
6,850.00	6,704.26	6,676.26	6,676.26	32.80	231.35	-178.76	-773.60	8,949.44	8,311.89	8,048.75	263.14	31.587		
6,900.00	6,745.92	6,717.92	6,717.92	33.00	232.80	-176.22	-773.60	8,949.44	8,339.50	8,074.81	264.69	31.506		
6,950.00	6,785.34	6,757.34	6,757.34	33.21	234.18	-173.88	-773.60	8,949.44	8,370.16	8,104.00	266.15	31.448		
7,000.00	6,822.30	6,805.70	6,794.30	33.44	235.86	-171.57	-773.60	8,949.44	8,403.67	8,135.75	267.92	31.367 SF		
7,050.00	6,856.55	6,828.55	6,828.55	33.69	236.66	-169.17	-773.60	8,949.44	8,439.83	8,171.06	268.78	31.401		
7,100.00	6,887.90	6,859.90	6,859.90	33.97	237.76	-166.51	-773.60	8,949.44	8,478.42	8,208.50	269.92	31.410		
7,150.00	6,916.14	6,888.14	6,888.14	34.28	238.74	-163.43	-773.60	8,949.44	8,519.21	8,248.25	270.95	31.441		
7,200.00	6,941.10	6,913.10	6,913.10	34.62	239.61	-159.68	-773.60	8,949.44	8,561.93	8,290.07	271.86	31.494		
7,250.00	6,962.63	6,934.63	6,934.63	35.00	240.37	-154.92	-773.60	8,949.44	8,606.34	8,333.70	272.65	31.566		
7,300.00	6,980.59	6,952.59	6,952.59	35.43	240.99	-148.64	-773.60	8,949.44	8,652.16	8,378.86	273.30	31.658		
7,350.00	6,994.88	6,966.88	6,966.88	35.89	241.49	-140.08	-773.60	8,949.44	8,699.11	8,425.29	273.82	31.769		
7,400.00	7,005.41	6,977.41	6,977.41	36.39	241.86	-128.29	-773.60	8,949.44	8,746.90	8,472.69	274.21	31.898		
7,450.00	7,012.10	6,984.10	6,984.10	36.93	242.09	-112.64	-773.60	8,949.44	8,795.25	8,520.78	274.47	32.045		
7,500.00	7,014.93	6,986.93	6,986.93	37.50	242.19	-94.24	-773.60	8,949.44	8,843.85	8,569.25	274.59	32.207		
7,517.56	7,015.00	6,987.00	6,987.00	37.70	242.19	-87.72	-773.60	8,949.44	8,860.92	8,586.31	274.61	32.268		
7,600.00	7,014.21	6,986.21	6,986.21	38.74	242.17	-87.70	-773.60	8,949.44	8,941.06	8,666.43	274.63	32.557		
7,700.00	7,013.24	6,985.24	6,985.24	40.15	242.13	-87.67	-773.60	8,949.44	9,038.33	8,763.66	274.67	32.906		
7,800.00	7,012.28	6,984.28	6,984.28	41.71	242.10	-87.64	-773.60	8,949.44	9,135.66	8,860.94	274.72	33.254		
7,900.00	7,011.31	6,983.31	6,983.31	43.40	242.06	-87.62	-773.60	8,949.44	9,233.05	8,958.27	274.78	33.601		
8,000.00	7,010.35	6,982.35	6,982.35	45.21	242.03	-87.59	-773.60	8,949.44	9,330.49	9,055.64	274.85	33.948		
8,100.00	7,009.38	6,981.38	6,981.38	47.12	242.00	-87.56	-773.60	8,949.44	9,427.98	9,153.05	274.93	34.293		
8,200.00	7,008.42	6,980.42	6,980.42	49.12	241.96	-87.54	-773.60	8,949.44	9,525.53	9,250.51	275.01	34.637		
8,300.00	7,007.45	6,979.45	6,979.45	51.21	241.93	-87.51	-773.60	8,949.44	9,623.12	9,348.02	275.11	34.980		
8,400.00	7,006.49	6,978.49	6,978.49	53.36	241.90	-87.48	-773.60	8,949.44	9,720.77	9,445.56	275.20	35.322		
8,500.00	7,005.52	6,977.52	6,977.52	55.57	241.86	-87.46	-773.60	8,949.44	9,818.46	9,543.15	275.31	35.663		
8,600.00	7,004.56	6,976.56	6,976.56	57.84	241.83	-87.43	-773.60	8,949.44	9,916.20	9,640.78	275.42	36.004		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,400.00	2,362.63	2,318.63	2,318.63	11.52	79.27	41.28	665.89	10,265.59	9,999.38	9,908.91	90.47	110.533		
2,500.00	2,460.43	2,416.43	2,416.43	11.99	82.68	41.36	665.89	10,265.59	9,983.56	9,889.23	94.33	105.837		
2,600.00	2,558.23	2,514.23	2,514.23	12.47	86.09	41.44	665.89	10,265.59	9,967.76	9,869.57	98.20	101.509		
2,700.00	2,656.03	2,612.03	2,612.03	12.94	89.50	41.52	665.89	10,265.59	9,951.98	9,849.92	102.06	97.507		
2,800.00	2,753.83	2,709.83	2,709.83	13.42	92.91	41.60	665.89	10,265.59	9,936.22	9,830.29	105.93	93.797		
2,900.00	2,851.63	2,807.63	2,807.63	13.90	96.32	41.68	665.89	10,265.59	9,920.48	9,810.67	109.81	90.346		
3,000.00	2,949.43	2,905.43	2,905.43	14.38	99.74	41.76	665.89	10,265.59	9,904.76	9,791.08	113.68	87.130		
3,100.00	3,047.23	3,003.23	3,003.23	14.87	103.15	41.83	665.89	10,265.59	9,889.05	9,771.50	117.55	84.125		
3,200.00	3,145.03	3,101.03	3,101.03	15.35	106.56	41.91	665.89	10,265.59	9,873.37	9,751.94	121.43	81.311		
3,300.00	3,242.83	3,201.17	3,198.83	15.83	110.06	41.99	665.89	10,265.59	9,857.70	9,732.32	125.38	78.620		
3,400.00	3,340.63	3,303.37	3,296.63	16.32	113.62	42.08	665.89	10,265.59	9,842.06	9,712.64	129.42	76.050		
3,500.00	3,438.43	3,405.57	3,394.43	16.80	117.19	42.16	665.89	10,265.59	9,826.43	9,692.98	133.45	73.636		
3,600.00	3,536.23	3,507.77	3,492.23	17.29	120.76	42.24	665.89	10,265.59	9,810.82	9,673.34	137.48	71.362		
3,700.00	3,634.03	3,609.97	3,590.03	17.78	124.32	42.32	665.89	10,265.59	9,795.23	9,653.72	141.51	69.218		
3,800.00	3,731.83	3,687.83	3,687.83	18.26	127.04	42.40	665.89	10,265.59	9,779.66	9,634.97	144.70	67.587		
3,900.00	3,829.63	3,785.63	3,785.63	18.75	130.45	42.48	665.89	10,265.59	9,764.12	9,615.54	148.58	65.717		
4,000.00	3,927.43	3,883.43	3,883.43	19.24	133.87	42.56	665.89	10,265.59	9,748.59	9,596.13	152.46	63.942		
4,100.00	4,025.23	3,981.23	3,981.23	19.73	137.28	42.65	665.89	10,265.59	9,733.08	9,576.74	156.34	62.255		
4,200.00	4,123.03	4,079.03	4,079.03	20.22	140.69	42.73	665.89	10,265.59	9,717.59	9,557.37	160.22	60.650		
4,300.00	4,220.83	4,176.83	4,176.83	20.71	144.11	42.81	665.89	10,265.59	9,702.12	9,538.01	164.11	59.121		
4,400.00	4,318.63	4,274.63	4,274.63	21.20	147.52	42.89	665.89	10,265.59	9,686.67	9,518.68	167.99	57.662		
4,500.00	4,416.43	4,372.43	4,372.43	21.69	150.93	42.98	665.89	10,265.59	9,671.24	9,499.37	171.87	56.269		
4,600.00	4,514.23	4,470.23	4,470.23	22.18	154.35	43.06	665.89	10,265.59	9,655.84	9,480.08	175.76	54.938		
4,700.00	4,612.03	4,568.03	4,568.03	22.67	157.76	43.14	665.89	10,265.59	9,640.45	9,460.80	179.64	53.664		
4,800.00	4,709.83	4,665.83	4,665.83	23.16	161.17	43.23	665.89	10,265.59	9,625.08	9,441.55	183.53	52.444		
4,900.00	4,807.63	4,763.63	4,763.63	23.65	164.59	43.31	665.89	10,265.59	9,609.74	9,422.32	187.42	51.275		
5,000.00	4,905.43	4,861.43	4,861.43	24.14	168.00	43.40	665.89	10,265.59	9,594.41	9,403.11	191.30	50.153		
5,100.00	5,003.23	4,959.23	4,959.23	24.63	171.41	43.48	665.89	10,265.59	9,579.11	9,383.92	195.19	49.076		
5,200.00	5,101.03	5,057.03	5,057.03	25.12	174.83	43.57	665.89	10,265.59	9,563.82	9,364.75	199.08	48.041		
5,300.00	5,198.83	5,154.83	5,154.83	25.62	178.24	43.65	665.89	10,265.59	9,548.56	9,345.60	202.96	47.046		
5,400.00	5,296.63	5,252.63	5,252.63	26.11	181.65	43.74	665.89	10,265.59	9,533.32	9,326.47	206.85	46.088		
5,500.00	5,394.43	5,350.43	5,350.43	26.60	185.07	43.82	665.89	10,265.59	9,518.10	9,307.36	210.74	45.166		
5,600.00	5,492.23	5,448.23	5,448.23	27.09	188.48	43.91	665.89	10,265.59	9,502.90	9,288.28	214.63	44.277		
5,700.00	5,590.03	5,546.03	5,546.03	27.58	191.89	44.00	665.89	10,265.59	9,487.73	9,269.21	218.51	43.419		
5,800.00	5,687.83	5,643.83	5,643.83	28.08	195.31	44.08	665.89	10,265.59	9,472.57	9,250.17	222.40	42.592		
5,900.00	5,785.63	5,741.63	5,741.63	28.57	198.72	44.17	665.89	10,265.59	9,457.44	9,231.15	226.29	41.793		
6,000.00	5,883.43	5,839.43	5,839.43	29.06	202.14	44.26	665.89	10,265.59	9,442.33	9,212.15	230.18	41.021		
6,100.00	5,981.23	5,937.23	5,937.23	29.56	205.55	44.35	665.89	10,265.59	9,427.24	9,193.17	234.07	40.275		
6,200.00	6,079.03	6,035.04	6,035.04	30.05	208.96	44.43	665.89	10,265.59	9,412.17	9,174.21	237.96	39.554		
6,300.00	6,176.84	6,132.84	6,132.84	30.54	212.38	44.52	665.89	10,265.59	9,397.12	9,155.27	241.85	38.855		
6,409.71	6,284.13	6,240.13	6,240.13	31.08	216.12	44.62	665.89	10,265.59	9,380.64	9,134.53	246.12	38.114		
6,450.00	6,323.71	6,279.71	6,279.71	31.28	217.50	58.78	665.89	10,265.59	9,375.86	9,128.17	247.69	37.854		
6,500.00	6,373.15	6,329.15	6,329.15	31.50	219.23	86.32	665.89	10,265.59	9,373.45	9,123.82	249.63	37.549		
6,505.69	6,378.78	6,334.78	6,334.78	31.52	219.43	90.00	665.89	10,265.59	9,373.43	9,123.57	249.85	37.515 CC		
6,550.00	6,422.65	6,378.65	6,378.65	31.70	220.96	117.45	665.89	10,265.59	9,374.97	9,123.40	251.57	37.266 ES		
6,600.00	6,471.92	6,427.92	6,427.92	31.89	222.68	138.95	665.89	10,265.59	9,380.39	9,126.92	253.47	37.007		
6,650.00	6,520.65	6,476.65	6,476.65	32.07	224.38	151.32	665.89	10,265.59	9,389.70	9,134.36	255.34	36.773		
6,700.00	6,568.54	6,524.54	6,524.54	32.25	226.05	158.71	665.89	10,265.59	9,402.82	9,145.66	257.16	36.564		
6,750.00	6,615.30	6,571.30	6,571.30	32.43	227.68	163.51	665.89	10,265.59	9,419.68	9,160.75	258.93	36.379		
6,800.00	6,660.63	6,616.63	6,616.63	32.61	229.26	166.86	665.89	10,265.59	9,440.18	9,179.55	260.63	36.221		
6,850.00	6,704.26	6,660.26	6,660.26	32.80	230.79	169.35	665.89	10,265.59	9,464.18	9,201.93	262.25	36.088		
6,900.00	6,745.92	6,701.92	6,701.92	33.00	232.24	171.30	665.89	10,265.59	9,491.54	9,227.74	263.80	35.981		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - KELLY #2-3 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,950.00	6,785.34	6,741.34	6,741.34	33.21	233.62	172.92	665.89	10,265.59	9,522.09	9,256.84	265.24	35.899	
7,000.00	6,822.30	6,778.30	6,778.30	33.44	234.91	174.33	665.89	10,265.59	9,555.63	9,289.04	266.59	35.843	
7,050.00	6,856.55	6,812.55	6,812.55	33.69	236.10	175.63	665.89	10,265.59	9,591.97	9,324.13	267.84	35.813	
7,100.00	6,887.90	6,843.90	6,843.90	33.97	237.20	176.90	665.89	10,265.59	9,630.88	9,361.91	268.97	35.807 SF	
7,150.00	6,916.14	6,872.14	6,872.14	34.28	238.18	178.24	665.89	10,265.59	9,672.11	9,402.13	269.98	35.826	
7,200.00	6,941.10	6,902.90	6,897.10	34.62	239.26	179.76	665.89	10,265.59	9,715.42	9,444.35	271.07	35.841	
7,250.00	6,962.63	6,918.63	6,918.63	35.00	239.81	-178.38	665.89	10,265.59	9,760.53	9,488.91	271.62	35.934	
7,300.00	6,980.59	6,936.59	6,936.59	35.43	240.43	-175.84	665.89	10,265.59	9,807.17	9,534.92	272.25	36.022	
7,350.00	6,994.88	6,950.88	6,950.88	35.89	240.93	-171.97	665.89	10,265.59	9,855.05	9,582.30	272.75	36.132	
7,400.00	7,005.41	6,961.41	6,961.41	36.39	241.30	-165.03	665.89	10,265.59	9,903.88	9,630.76	273.12	36.262	
7,450.00	7,012.10	6,968.10	6,968.10	36.93	241.53	-149.21	665.89	10,265.59	9,953.35	9,680.00	273.35	36.413	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.41	-686.87	5,280.34	5,324.88					
100.00	100.00	95.62	95.62	3.28	3.29	97.41	-687.07	5,280.15	5,324.69	5,318.12	6.57	810.273		
200.00	200.00	231.34	231.33	3.34	3.34	97.42	-687.71	5,279.07	5,323.96	5,317.28	6.68	796.952		
300.00	300.00	314.24	314.23	3.44	3.43	97.43	-688.12	5,278.33	5,323.12	5,316.24	6.88	774.105		
400.00	399.98	445.37	445.35	3.60	3.64	50.49	-688.73	5,277.14	5,321.23	5,313.98	7.25	734.446		
500.00	499.84	560.53	560.50	3.81	3.89	50.62	-688.93	5,275.44	5,316.45	5,308.76	7.69	691.079		
600.00	599.45	627.31	627.27	4.05	4.05	50.77	-689.22	5,274.61	5,309.71	5,301.61	8.10	655.765		
700.00	698.70	712.12	712.08	4.33	4.28	51.00	-689.84	5,273.84	5,301.18	5,292.58	8.60	616.415		
800.00	797.47	792.54	792.49	4.64	4.52	51.28	-690.31	5,273.35	5,290.77	5,281.63	9.14	578.959		
902.00	897.58	891.01	890.96	4.98	4.82	51.63	-689.80	5,273.17	5,278.22	5,268.45	9.78	539.909		
1,000.00	993.42	974.32	974.23	5.33	5.08	51.75	-687.28	5,273.30	5,265.12	5,254.74	10.38	507.149		
1,100.00	1,091.22	1,105.56	1,105.22	5.71	5.51	51.90	-679.31	5,274.24	5,251.97	5,240.79	11.18	469.758		
1,200.00	1,189.02	1,528.40	1,525.97	6.11	7.09	52.27	-640.72	5,263.47	5,235.03	5,221.90	13.13	398.780		
1,300.00	1,286.82	1,652.14	1,649.26	6.53	7.59	52.43	-633.55	5,255.84	5,215.22	5,201.22	14.01	372.309		
1,400.00	1,384.62	1,701.19	1,698.12	6.95	7.79	52.50	-630.53	5,252.78	5,195.34	5,180.72	14.61	355.534		
1,500.00	1,482.42	1,753.00	1,749.81	7.38	8.00	52.57	-628.21	5,250.07	5,176.53	5,161.29	15.24	339.655		
1,600.00	1,580.22	1,793.83	1,790.57	7.83	8.17	52.63	-626.51	5,248.32	5,158.69	5,142.85	15.84	325.775		
1,700.00	1,678.03	1,849.03	1,845.65	8.27	8.40	52.71	-623.54	5,246.49	5,141.75	5,125.26	16.49	311.730		
1,800.00	1,775.83	1,952.47	1,948.90	8.72	8.82	52.85	-618.13	5,243.32	5,125.11	5,107.75	17.35	295.371		
1,900.00	1,873.63	2,029.00	2,025.34	9.18	9.14	52.96	-615.00	5,241.07	5,108.77	5,090.66	18.11	282.118		
2,000.00	1,971.43	2,000.00	2,124.88	9.64	9.02	53.12	-611.58	5,238.12	5,092.58	5,074.14	18.43	276.274		
2,100.00	2,069.23	2,177.97	2,174.17	10.11	9.76	53.20	-610.41	5,236.80	5,076.87	5,057.25	19.62	258.746		
2,200.00	2,167.03	2,234.48	2,230.66	10.57	9.99	53.30	-609.72	5,235.76	5,062.14	5,041.83	20.31	249.218		
2,300.00	2,264.83	2,318.57	2,314.74	11.04	10.34	53.45	-608.45	5,234.68	5,047.98	5,026.86	21.11	239.074		
2,400.00	2,362.63	2,472.53	2,468.66	11.52	10.98	53.72	-605.70	5,232.15	5,033.53	5,011.33	22.20	226.754		
2,500.00	2,460.43	2,574.75	2,570.83	11.99	11.41	53.90	-603.73	5,229.71	5,018.34	4,995.25	23.08	217.410		
2,600.00	2,558.23	2,624.21	2,620.27	12.47	11.61	54.00	-603.37	5,228.64	5,003.66	4,979.90	23.76	210.619		
2,700.00	2,656.03	2,674.00	2,670.05	12.94	11.81	54.10	-603.81	5,227.99	4,990.05	4,965.62	24.43	204.230		
2,800.00	2,753.83	2,705.52	2,701.57	13.42	11.94	54.17	-604.29	5,227.90	4,977.60	4,952.56	25.03	198.830		
2,900.00	2,851.63	2,766.00	2,762.04	13.90	12.17	54.29	-604.88	5,228.83	4,966.64	4,940.89	25.74	192.918		
3,000.00	2,949.43	2,800.84	2,796.87	14.38	12.31	54.36	-605.09	5,229.75	4,956.64	4,930.18	26.36	188.060		
3,100.00	3,047.23	2,917.07	2,913.07	14.87	12.76	54.59	-605.73	5,232.43	4,946.62	4,919.34	27.28	181.328		
3,200.00	3,145.03	3,055.72	3,051.69	15.35	13.30	54.87	-606.80	5,234.92	4,936.35	4,908.06	28.29	174.469		
3,300.00	3,242.83	3,171.04	3,167.00	15.83	13.76	55.11	-607.74	5,236.11	4,925.39	4,896.16	29.22	168.548		
3,400.00	3,340.63	3,281.74	3,277.69	16.32	14.20	55.34	-608.70	5,237.05	4,914.33	4,884.19	30.14	163.063		
3,500.00	3,438.43	3,374.49	3,370.44	16.80	14.58	55.53	-608.65	5,237.81	4,903.12	4,872.13	30.99	158.219		
3,600.00	3,536.23	3,470.67	3,466.60	17.29	14.97	55.71	-607.47	5,239.02	4,892.14	4,860.28	31.86	153.541		
3,700.00	3,634.03	3,623.79	3,619.66	17.78	15.61	55.97	-603.84	5,240.18	4,880.41	4,847.44	32.97	148.037		
3,800.00	3,731.83	3,752.46	3,748.32	18.26	16.16	56.22	-601.94	5,240.12	4,868.27	4,834.29	33.98	143.285		
3,900.00	3,829.63	3,844.00	3,839.86	18.75	16.54	56.41	-601.94	5,239.17	4,855.52	4,820.68	34.84	139.367		
4,000.00	3,927.43	3,890.02	3,885.88	19.24	16.73	56.51	-602.16	5,238.93	4,843.54	4,808.02	35.52	136.345		
4,100.00	4,025.23	3,933.00	3,928.85	19.73	16.91	56.60	-602.86	5,239.26	4,832.90	4,796.71	36.19	133.528		
4,200.00	4,123.03	4,015.07	4,010.89	20.22	17.24	56.79	-604.68	5,240.40	4,823.12	4,786.11	37.01	130.318		
4,300.00	4,220.83	4,092.21	4,088.00	20.71	17.55	56.97	-606.33	5,241.63	4,813.61	4,775.80	37.81	127.313		
4,400.00	4,318.63	4,166.28	4,162.04	21.20	17.85	57.13	-607.72	5,243.22	4,804.64	4,766.05	38.60	124.483		
4,500.00	4,416.43	4,412.02	4,407.75	21.69	18.87	57.67	-609.42	5,244.95	4,793.52	4,753.46	40.06	119.644		
4,600.00	4,514.23	4,526.23	4,521.96	22.18	19.35	57.91	-609.65	5,244.25	4,781.67	4,740.65	41.02	116.564		
4,700.00	4,612.03	4,652.42	4,648.14	22.67	19.89	58.18	-609.46	5,243.16	4,769.59	4,727.56	42.03	113.490		
4,800.00	4,709.83	4,754.41	4,750.12	23.16	20.32	58.40	-609.02	5,241.79	4,757.02	4,714.08	42.94	110.781		
4,900.00	4,807.63	4,825.00	4,820.71	23.65	20.62	58.56	-609.00	5,241.16	4,745.01	4,701.27	43.74	108.491		
5,000.00	4,905.43	4,902.68	4,898.39	24.14	20.95	58.73	-609.10	5,240.84	4,733.56	4,689.00	44.56	106.231		
5,100.00	5,003.23	4,999.78	4,995.48	24.63	21.36	58.94	-609.33	5,240.44	4,722.26	4,676.81	45.46	103.887		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,096.89	5,092.59	25.12	21.77	59.16	-609.84	5,240.00	4,711.05	4,664.70	46.35	101.638		
5,300.00	5,198.83	5,213.55	5,209.25	25.62	22.26	59.43	-610.78	5,239.01	4,699.61	4,652.29	47.32	99.311		
5,400.00	5,296.63	5,306.28	5,301.97	26.11	22.66	59.66	-612.01	5,238.05	4,688.22	4,640.02	48.20	97.260		
5,500.00	5,394.43	5,417.94	5,413.61	26.60	23.13	59.92	-613.17	5,236.91	4,676.86	4,627.70	49.16	95.144		
5,600.00	5,492.23	5,532.79	5,528.45	27.09	23.62	60.17	-612.57	5,235.76	4,665.14	4,615.02	50.12	93.076		
5,700.00	5,590.03	5,613.45	5,609.08	27.58	23.96	60.38	-613.90	5,234.43	4,653.51	4,602.55	50.96	91.315		
5,800.00	5,687.83	5,671.80	5,667.41	28.08	24.20	60.53	-615.47	5,233.62	4,642.53	4,590.82	51.71	89.773		
5,900.00	5,785.63	5,737.37	5,732.97	28.57	24.48	60.69	-616.66	5,233.56	4,632.51	4,580.02	52.49	88.254		
6,000.00	5,883.43	5,848.00	5,843.58	29.06	24.94	60.97	-618.72	5,233.44	4,622.62	4,569.18	53.44	86.500		
6,100.00	5,981.23	5,937.39	5,932.95	29.56	25.32	61.19	-620.49	5,233.26	4,612.78	4,558.47	54.31	84.936		
6,200.00	6,079.04	6,061.31	6,056.87	30.05	25.84	61.47	-620.29	5,233.94	4,603.13	4,547.82	55.31	83.227		
6,300.00	6,176.84	6,154.23	6,149.78	30.54	26.23	61.70	-621.34	5,233.56	4,593.00	4,536.80	56.19	81.734		
6,409.71	6,284.13	6,253.00	6,248.54	31.08	26.65	61.94	-622.28	5,233.26	4,582.03	4,524.88	57.15	80.170		
6,450.00	6,323.71	6,253.00	6,248.54	31.28	26.65	76.01	-622.28	5,233.26	4,579.48	4,522.12	57.36	79.835		
6,471.35	6,344.79	6,283.91	6,279.45	31.37	26.78	86.47	-622.18	5,233.43	4,578.98	4,521.39	57.58	79.519 CC, ES		
6,500.00	6,373.15	6,294.98	6,290.52	31.50	26.83	103.61	-622.15	5,233.57	4,579.63	4,521.87	57.76	79.282		
6,550.00	6,422.65	6,314.29	6,309.83	31.70	26.91	134.86	-622.09	5,233.92	4,583.92	4,525.86	58.06	78.956		
6,600.00	6,471.92	6,342.00	6,337.53	31.89	27.02	156.59	-622.03	5,234.65	4,592.19	4,533.83	58.36	78.685		
6,650.00	6,520.65	6,342.00	6,337.53	32.07	27.02	169.27	-622.03	5,234.65	4,604.34	4,545.81	58.53	78.660 SF		
6,700.00	6,568.54	6,342.00	6,337.53	32.25	27.02	177.13	-622.03	5,234.65	4,620.49	4,561.80	58.69	78.732		
6,750.00	6,615.30	6,376.24	6,371.74	32.43	27.17	-177.49	-621.77	5,236.12	4,640.04	4,581.08	58.97	78.688		
6,800.00	6,660.63	6,388.79	6,384.26	32.61	27.22	-173.38	-621.57	5,236.86	4,663.34	4,604.19	59.14	78.850		
6,850.00	6,704.26	6,400.68	6,396.12	32.80	27.27	-169.94	-621.33	5,237.67	4,690.02	4,630.72	59.30	79.092		
6,900.00	6,745.92	6,431.00	6,426.33	33.00	27.39	-166.87	-620.52	5,240.15	4,720.03	4,660.50	59.52	79.296		
6,950.00	6,785.34	6,431.00	6,426.33	33.21	27.39	-163.78	-620.52	5,240.15	4,752.75	4,693.15	59.60	79.742		
7,000.00	6,822.30	6,431.00	6,426.33	33.44	27.39	-160.52	-620.52	5,240.15	4,788.27	4,728.60	59.67	80.251		
7,050.00	6,856.55	6,431.00	6,426.33	33.69	27.39	-156.92	-620.52	5,240.15	4,826.31	4,766.59	59.72	80.815		
7,100.00	6,887.90	6,431.00	6,426.33	33.97	27.39	-152.74	-620.52	5,240.15	4,866.59	4,806.82	59.77	81.427		
7,150.00	6,916.14	6,431.00	6,426.33	34.28	27.39	-147.74	-620.52	5,240.15	4,908.79	4,848.98	59.81	82.079		
7,200.00	6,941.10	6,431.00	6,426.33	34.62	27.39	-141.59	-620.52	5,240.15	4,952.62	4,892.78	59.84	82.762		
7,250.00	6,962.63	6,431.00	6,426.33	35.00	27.39	-133.92	-620.52	5,240.15	4,997.76	4,937.88	59.88	83.468		
7,300.00	6,980.59	6,431.00	6,426.33	35.43	27.39	-124.39	-620.52	5,240.15	5,043.91	4,983.99	59.91	84.189		
7,350.00	6,994.88	6,464.88	6,460.01	35.89	27.53	-113.95	-619.58	5,243.62	5,090.26	5,030.14	60.12	84.667		
7,400.00	7,005.41	6,466.01	6,461.14	36.39	27.54	-101.16	-619.56	5,243.75	5,137.47	5,077.30	60.17	85.382		
7,450.00	7,012.10	6,466.24	6,461.36	36.93	27.54	-87.94	-619.55	5,243.77	5,184.79	5,124.57	60.22	86.095		
7,500.00	7,014.93	6,465.58	6,460.71	37.50	27.53	-75.64	-619.57	5,243.70	5,231.95	5,171.67	60.28	86.799		
7,517.56	7,015.00	6,465.15	6,460.28	37.70	27.53	-71.73	-619.58	5,243.65	5,248.41	5,188.12	60.30	87.044		
7,600.00	7,014.21	6,431.00	6,426.33	38.74	27.39	-70.74	-620.52	5,240.15	5,326.09	5,265.84	60.25	88.407		
7,700.00	7,013.24	6,431.00	6,426.33	40.15	27.39	-70.74	-620.52	5,240.15	5,419.91	5,359.51	60.40	89.727		
7,800.00	7,012.28	6,431.00	6,426.33	41.71	27.39	-70.74	-620.52	5,240.15	5,513.95	5,453.38	60.58	91.022		
7,900.00	7,011.31	6,431.00	6,426.33	43.40	27.39	-70.74	-620.52	5,240.15	5,608.20	5,547.44	60.76	92.295		
8,000.00	7,010.35	6,431.00	6,426.33	45.21	27.39	-70.74	-620.52	5,240.15	5,702.65	5,641.69	60.96	93.548		
8,100.00	7,009.38	6,431.00	6,426.33	47.12	27.39	-70.74	-620.52	5,240.15	5,797.28	5,736.11	61.16	94.782		
8,200.00	7,008.42	6,431.00	6,426.33	49.12	27.39	-70.74	-620.52	5,240.15	5,892.08	5,830.71	61.38	95.998		
8,300.00	7,007.45	6,431.00	6,426.33	51.21	27.39	-70.74	-620.52	5,240.15	5,987.06	5,925.46	61.60	97.199		
8,400.00	7,006.49	6,431.00	6,426.33	53.36	27.39	-70.74	-620.52	5,240.15	6,082.20	6,020.38	61.82	98.386		
8,500.00	7,005.52	6,431.00	6,426.33	55.57	27.39	-70.74	-620.52	5,240.15	6,177.49	6,115.44	62.05	99.559		
8,600.00	7,004.56	6,431.00	6,426.33	57.84	27.39	-70.74	-620.52	5,240.15	6,272.92	6,210.64	62.28	100.721		
8,700.00	7,003.59	6,431.00	6,426.33	60.16	27.39	-70.74	-620.52	5,240.15	6,368.50	6,305.99	62.51	101.872		
8,800.00	7,002.63	6,431.00	6,426.33	62.52	27.39	-70.74	-620.52	5,240.15	6,464.21	6,401.46	62.75	103.012		
8,900.00	7,001.66	6,431.00	6,426.33	64.92	27.39	-70.74	-620.52	5,240.15	6,560.05	6,497.06	62.99	104.144		
9,000.00	7,000.70	6,431.00	6,426.33	67.35	27.39	-70.74	-620.52	5,240.15	6,656.02	6,592.79	63.23	105.267		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,431.00	6,426.33	69.81	27.39	-70.74	-620.52	5,240.15	6,752.09	6,688.62	63.47	106.383		
9,200.00	6,998.77	6,431.00	6,426.33	72.31	27.39	-70.74	-620.52	5,240.15	6,848.29	6,784.58	63.71	107.491		
9,300.00	6,997.80	6,431.00	6,426.33	74.82	27.39	-70.74	-620.52	5,240.15	6,944.58	6,880.63	63.95	108.594		
9,400.00	6,996.84	6,431.00	6,426.33	77.36	27.39	-70.74	-620.52	5,240.15	7,040.99	6,976.80	64.19	109.690		
9,500.00	6,995.88	6,431.00	6,426.33	79.92	27.39	-70.74	-620.52	5,240.15	7,137.49	7,073.06	64.43	110.781		
9,600.00	6,994.91	6,431.00	6,426.33	82.49	27.39	-70.74	-620.52	5,240.15	7,234.08	7,169.42	64.67	111.867		
9,700.00	6,993.95	6,431.00	6,426.33	85.09	27.39	-70.74	-620.52	5,240.15	7,330.77	7,265.87	64.90	112.948		
9,800.00	6,992.98	6,431.00	6,426.33	87.70	27.39	-70.74	-620.52	5,240.15	7,427.55	7,362.41	65.14	114.025		
9,900.00	6,992.02	6,431.00	6,426.33	90.32	27.39	-70.74	-620.52	5,240.15	7,524.41	7,459.03	65.37	115.098		
10,000.00	6,991.05	6,431.00	6,426.33	92.95	27.39	-70.74	-620.52	5,240.15	7,621.35	7,555.74	65.61	116.168		
10,100.00	6,990.09	6,431.00	6,426.33	95.60	27.39	-70.74	-620.52	5,240.15	7,718.36	7,652.53	65.84	117.234		
10,200.00	6,989.12	6,431.00	6,426.33	98.26	27.39	-70.74	-620.52	5,240.15	7,815.46	7,749.39	66.07	118.297		
10,300.00	6,988.16	6,431.00	6,426.33	100.92	27.39	-70.74	-620.52	5,240.15	7,912.62	7,846.33	66.29	119.357		
10,400.00	6,987.19	6,431.00	6,426.33	103.60	27.39	-70.74	-620.52	5,240.15	8,009.86	7,943.34	66.52	120.414		
10,500.00	6,986.23	6,431.00	6,426.33	106.28	27.39	-70.74	-620.52	5,240.15	8,107.16	8,040.42	66.74	121.469		
10,600.00	6,985.26	6,431.00	6,426.33	108.98	27.39	-70.74	-620.52	5,240.15	8,204.53	8,137.57	66.96	122.521		
10,700.00	6,984.30	6,431.00	6,426.33	111.68	27.39	-70.74	-620.52	5,240.15	8,301.96	8,234.78	67.18	123.571		
10,800.00	6,983.33	6,431.00	6,426.33	114.38	27.39	-70.74	-620.52	5,240.15	8,399.45	8,332.05	67.40	124.618		
10,900.00	6,982.37	6,431.00	6,426.33	117.09	27.39	-70.74	-620.52	5,240.15	8,497.00	8,429.39	67.62	125.664		
11,000.00	6,981.40	6,431.00	6,426.33	119.81	27.39	-70.74	-620.52	5,240.15	8,594.61	8,526.78	67.83	126.707		
11,100.00	6,980.44	6,431.00	6,426.33	122.54	27.39	-70.74	-620.52	5,240.15	8,692.27	8,624.23	68.04	127.748		
11,200.00	6,979.47	6,431.00	6,426.33	125.26	27.39	-70.74	-620.52	5,240.15	8,789.98	8,721.73	68.25	128.788		
11,300.00	6,978.51	6,394.60	6,390.05	128.00	27.24	-69.70	-621.46	5,237.24	8,887.25	8,818.92	68.34	130.048		
11,400.00	6,977.54	6,393.43	6,388.88	130.73	27.24	-69.67	-621.48	5,237.17	8,985.04	8,916.49	68.54	131.090		
11,500.00	6,976.58	6,392.28	6,387.74	133.48	27.23	-69.64	-621.50	5,237.09	9,082.86	9,014.12	68.74	132.131		
11,600.00	6,975.62	6,391.16	6,386.62	136.22	27.23	-69.61	-621.53	5,237.02	9,180.74	9,111.80	68.94	133.170		
11,700.00	6,974.65	6,390.05	6,385.52	138.97	27.22	-69.57	-621.55	5,236.95	9,278.66	9,209.52	69.14	134.207		
11,800.00	6,973.69	6,388.98	6,384.44	141.73	27.22	-69.54	-621.57	5,236.88	9,376.62	9,307.29	69.33	135.242		
11,900.00	6,972.72	6,387.92	6,383.39	144.48	27.21	-69.51	-621.58	5,236.81	9,474.62	9,405.10	69.53	136.275		
12,000.00	6,971.76	6,386.88	6,382.36	147.24	27.21	-69.48	-621.60	5,236.74	9,572.67	9,502.95	69.72	137.307		
12,100.00	6,970.79	6,385.87	6,381.34	150.00	27.21	-69.46	-621.62	5,236.68	9,670.75	9,600.84	69.91	138.337		
12,200.00	6,969.83	6,384.87	6,380.35	152.77	27.20	-69.43	-621.64	5,236.62	9,768.87	9,698.77	70.10	139.366		
12,300.00	6,968.86	6,383.89	6,379.37	155.54	27.20	-69.40	-621.65	5,236.56	9,867.03	9,796.75	70.28	140.393		
12,400.00	6,967.90	6,382.94	6,378.42	158.31	27.19	-69.37	-621.67	5,236.51	9,965.22	9,894.76	70.47	141.418		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.55	-694.89	5,241.09	5,287.01					
100.00	100.00	90.40	90.40	3.28	3.29	97.56	-695.74	5,240.87	5,286.87	5,280.30	6.57	804.420		
200.00	200.00	205.05	205.02	3.34	3.36	97.59	-697.81	5,240.03	5,286.37	5,279.67	6.70	789.343		
300.00	300.00	290.69	290.65	3.44	3.46	97.60	-699.18	5,239.53	5,285.99	5,279.09	6.91	765.373		
400.00	399.98	387.72	387.66	3.60	3.62	50.65	-700.63	5,239.12	5,284.66	5,277.44	7.22	731.648		
500.00	499.84	533.56	533.49	3.81	3.94	50.80	-702.72	5,238.22	5,281.03	5,273.29	7.74	682.216		
600.00	599.45	675.83	675.62	4.05	4.32	51.07	-707.85	5,235.12	5,273.76	5,265.39	8.37	630.321		
700.00	698.70	742.00	741.62	4.33	4.52	51.34	-712.27	5,233.41	5,264.47	5,255.63	8.84	595.478		
800.00	797.47	794.03	793.47	4.64	4.69	51.62	-716.50	5,232.35	5,253.81	5,244.50	9.31	564.158		
902.00	897.58	837.00	836.29	4.98	4.84	51.92	-720.10	5,231.85	5,241.75	5,231.95	9.79	535.147		
1,000.00	993.42	881.33	880.44	5.33	4.99	52.04	-724.03	5,231.76	5,230.14	5,219.84	10.30	507.948		
1,100.00	1,091.22	930.00	928.88	5.71	5.16	52.18	-728.71	5,232.22	5,219.46	5,208.61	10.84	481.398		
1,200.00	1,189.02	930.00	928.88	6.11	5.16	52.18	-728.71	5,232.22	5,210.13	5,198.89	11.23	463.777		
1,300.00	1,286.82	984.54	983.12	6.53	5.36	52.34	-734.20	5,233.67	5,201.80	5,189.97	11.84	439.494		
1,400.00	1,384.62	1,025.00	1,023.33	6.95	5.51	52.45	-738.35	5,235.54	5,195.03	5,182.63	12.40	418.947		
1,500.00	1,482.42	1,500.00	1,296.04	7.38	7.35	53.13	-756.56	5,246.13	5,187.41	5,172.77	14.64	354.385		
1,600.00	1,580.22	1,358.12	1,355.50	7.83	6.78	53.27	-759.16	5,247.65	5,178.13	5,163.62	14.51	356.960		
1,700.00	1,678.03	1,411.31	1,408.59	8.27	6.99	53.39	-761.55	5,249.61	5,169.92	5,154.77	15.15	341.230		
1,800.00	1,775.83	1,492.49	1,489.56	8.72	7.31	53.59	-766.46	5,252.81	5,162.34	5,146.42	15.92	324.365		
1,900.00	1,873.63	1,611.70	1,608.47	9.18	7.80	53.88	-773.65	5,257.29	5,154.66	5,137.82	16.84	306.016		
2,000.00	1,971.43	2,000.00	1,739.05	9.64	9.43	54.19	-780.83	5,261.73	5,146.64	5,127.74	18.90	272.310		
2,100.00	2,069.23	1,845.56	1,841.90	10.11	8.78	54.43	-785.45	5,264.73	5,138.05	5,119.35	18.70	274.702		
2,200.00	2,167.03	1,928.83	1,925.04	10.57	9.13	54.63	-789.41	5,267.45	5,129.95	5,110.44	19.51	262.985		
2,300.00	2,264.83	1,985.14	1,981.24	11.04	9.37	54.76	-792.30	5,269.49	5,122.38	5,102.18	20.20	253.545		
2,400.00	2,362.63	2,039.00	2,034.96	11.52	9.60	54.89	-795.19	5,271.98	5,115.82	5,094.93	20.89	244.873		
2,500.00	2,460.43	2,124.63	2,120.36	11.99	9.96	55.09	-799.46	5,276.47	5,109.90	5,088.19	21.71	235.339		
2,600.00	2,558.23	2,229.15	2,224.61	12.47	10.41	55.34	-804.83	5,281.89	5,104.05	5,081.43	22.62	225.655		
2,700.00	2,656.03	2,341.64	2,336.71	12.94	10.91	55.63	-812.54	5,286.93	5,097.97	5,074.40	23.57	216.262		
2,800.00	2,753.83	2,432.89	2,427.64	13.42	11.32	55.86	-818.97	5,291.03	5,092.07	5,067.63	24.44	208.348		
2,900.00	2,851.63	2,548.37	2,542.80	13.90	11.83	56.15	-825.89	5,296.24	5,086.04	5,060.63	25.41	200.158		
3,000.00	2,949.43	2,734.32	2,728.29	14.38	12.66	56.62	-837.17	5,302.38	5,078.85	5,052.16	26.69	190.307		
3,100.00	3,047.23	2,840.41	2,834.03	14.87	13.14	56.92	-845.56	5,304.65	5,071.24	5,043.60	27.63	183.515		
3,200.00	3,145.03	2,967.63	2,960.93	15.35	13.71	57.26	-854.21	5,307.05	5,063.23	5,034.56	28.67	176.613		
3,300.00	3,242.83	3,118.34	3,111.45	15.83	14.38	57.63	-861.22	5,309.46	5,054.55	5,024.76	29.79	169.679		
3,400.00	3,340.63	3,299.00	3,292.05	16.32	15.14	58.03	-864.89	5,310.40	5,044.04	5,013.03	31.01	162.667		
3,500.00	3,438.43	3,408.48	3,401.53	16.80	15.60	58.26	-865.58	5,310.71	5,033.29	5,001.35	31.94	157.592		
3,600.00	3,536.23	3,476.59	3,469.65	17.29	15.88	58.40	-865.96	5,311.01	5,022.74	4,990.03	32.71	153.562		
3,700.00	3,634.03	3,554.45	3,547.50	17.78	16.21	58.56	-866.27	5,311.81	5,012.76	4,979.25	33.51	149.575		
3,800.00	3,731.83	3,661.79	3,654.82	18.26	16.65	58.78	-866.65	5,313.12	5,003.02	4,968.59	34.43	145.315		
3,900.00	3,829.63	3,757.25	3,750.28	18.75	17.04	58.97	-866.63	5,314.18	4,993.14	4,957.85	35.30	141.464		
4,000.00	3,927.43	3,851.65	3,844.67	19.24	17.42	59.16	-866.62	5,315.33	4,983.42	4,947.26	36.16	137.810		
4,100.00	4,025.23	3,972.02	3,965.04	19.73	17.92	59.41	-866.57	5,316.52	4,973.54	4,936.42	37.13	133.963		
4,200.00	4,123.03	4,058.82	4,051.83	20.22	18.28	59.59	-866.85	5,317.12	4,963.55	4,925.58	37.97	130.713		
4,300.00	4,220.83	4,122.00	4,115.00	20.71	18.55	59.73	-867.90	5,317.69	4,954.18	4,915.45	38.74	127.897		
4,400.00	4,318.63	4,301.07	4,294.07	21.20	19.31	60.12	-869.20	5,318.14	4,943.69	4,903.74	39.95	123.755		
4,500.00	4,416.43	4,400.44	4,393.43	21.69	19.71	60.33	-869.27	5,318.13	4,933.17	4,892.34	40.83	120.816		
4,600.00	4,514.23	4,510.30	4,503.30	22.18	20.15	60.56	-869.26	5,318.09	4,922.68	4,880.93	41.75	117.909		
4,700.00	4,612.03	4,636.73	4,629.72	22.67	20.64	60.83	-869.01	5,317.34	4,911.64	4,868.92	42.72	114.969		
4,800.00	4,709.83	4,729.67	4,722.66	23.16	21.01	61.03	-868.83	5,316.60	4,900.51	4,856.94	43.58	112.459		
4,900.00	4,807.63	4,807.15	4,800.13	23.65	21.31	61.20	-868.63	5,316.22	4,889.71	4,845.33	44.38	110.186		
5,000.00	4,905.43	4,890.68	4,883.66	24.14	21.64	61.37	-868.26	5,316.22	4,879.38	4,834.18	45.20	107.956		
5,100.00	5,003.23	5,004.28	4,997.26	24.63	22.09	61.61	-867.42	5,316.37	4,869.15	4,823.03	46.12	105.568		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,110.90	5,103.88	25.12	22.51	61.84	-866.94	5,316.01	4,858.64	4,811.61	47.03	103.314		
5,300.00	5,198.83	5,208.99	5,201.96	25.62	22.91	62.05	-866.90	5,315.42	4,848.06	4,800.15	47.91	101.185		
5,400.00	5,296.63	5,284.54	5,277.52	26.11	23.22	62.22	-867.21	5,315.07	4,837.84	4,789.11	48.73	99.284		
5,500.00	5,394.43	5,382.24	5,375.22	26.60	23.63	62.45	-868.11	5,314.72	4,827.93	4,778.30	49.63	97.276		
5,600.00	5,492.23	5,500.00	5,524.83	27.09	24.53	62.78	-867.82	5,313.70	4,817.42	4,766.43	50.99	94.481		
5,700.00	5,590.03	5,643.54	5,636.46	27.58	24.69	63.00	-865.10	5,312.82	4,806.15	4,754.52	51.63	93.085		
5,800.00	5,687.83	5,730.03	5,722.93	28.08	25.04	63.18	-863.57	5,312.13	4,795.19	4,742.72	52.47	91.385		
5,900.00	5,785.63	5,804.91	5,797.80	28.57	25.34	63.35	-862.92	5,311.59	4,784.65	4,731.37	53.28	89.807		
6,000.00	5,883.43	5,902.26	5,895.15	29.06	25.73	63.57	-862.90	5,310.87	4,774.45	4,720.28	54.17	88.143		
6,100.00	5,981.23	5,998.56	5,991.44	29.56	26.14	63.80	-863.47	5,309.93	4,764.31	4,709.25	55.06	86.524		
6,200.00	6,079.04	6,078.79	6,071.67	30.05	26.48	63.99	-864.22	5,309.22	4,754.46	4,698.55	55.91	85.044		
6,300.00	6,176.84	6,171.00	6,163.87	30.54	26.87	64.22	-865.52	5,308.29	4,744.74	4,687.95	56.80	83.541		
6,409.71	6,284.13	6,248.36	6,241.22	31.08	27.20	64.40	-866.19	5,307.97	4,734.62	4,676.94	57.68	82.088		
6,450.00	6,323.71	6,301.35	6,294.21	31.28	27.42	78.58	-866.15	5,308.20	4,732.26	4,674.18	58.08	81.472		
6,475.80	6,349.19	6,351.81	6,344.67	31.39	27.63	91.52	-866.22	5,308.11	4,731.85	4,673.45	58.40	81.030 CC		
6,500.00	6,373.15	6,500.00	6,345.21	31.50	28.25	106.19	-866.21	5,308.13	4,732.35	4,673.21	59.14	80.020 ES		
6,550.00	6,422.65	6,381.70	6,374.56	31.70	27.76	137.46	-866.24	5,308.14	4,736.18	4,677.32	58.86	80.467		
6,600.00	6,471.92	6,403.19	6,396.05	31.89	27.85	159.19	-866.22	5,308.34	4,743.90	4,684.75	59.15	80.207		
6,650.00	6,520.65	6,438.00	6,430.85	32.07	27.99	171.92	-866.10	5,308.98	4,755.46	4,696.00	59.47	79.969 SF		
6,700.00	6,568.54	6,438.00	6,430.85	32.25	27.99	179.79	-866.10	5,308.98	4,770.67	4,711.03	59.64	79.994		
6,750.00	6,615.30	6,438.00	6,430.85	32.43	27.99	-174.76	-866.10	5,308.98	4,789.68	4,729.89	59.79	80.108		
6,800.00	6,660.63	6,438.00	6,430.85	32.61	27.99	-170.58	-866.10	5,308.98	4,812.33	4,752.40	59.93	80.305		
6,850.00	6,704.26	6,471.06	6,463.88	32.80	28.13	-167.10	-865.88	5,310.23	4,837.91	4,777.73	60.18	80.388		
6,900.00	6,745.92	6,479.84	6,472.65	33.00	28.17	-163.89	-865.80	5,310.71	4,866.93	4,806.61	60.33	80.677		
6,950.00	6,785.34	6,487.99	6,480.79	33.21	28.20	-160.72	-865.71	5,311.22	4,898.91	4,838.46	60.45	81.034		
7,000.00	6,822.30	6,527.00	6,519.66	33.44	28.36	-157.56	-865.20	5,314.42	4,934.07	4,873.37	60.71	81.277		
7,050.00	6,856.55	6,527.00	6,519.66	33.69	28.36	-153.92	-865.20	5,314.42	4,971.05	4,910.27	60.78	81.786		
7,100.00	6,887.90	6,527.00	6,519.66	33.97	28.36	-149.75	-865.20	5,314.42	5,010.28	4,949.43	60.85	82.342		
7,150.00	6,916.14	6,527.00	6,519.66	34.28	28.36	-144.84	-865.20	5,314.42	5,051.46	4,990.55	60.91	82.938		
7,200.00	6,941.10	6,527.00	6,519.66	34.62	28.36	-138.94	-865.20	5,314.42	5,094.30	5,033.34	60.96	83.567		
7,250.00	6,962.63	6,527.00	6,519.66	35.00	28.36	-131.78	-865.20	5,314.42	5,138.50	5,077.49	61.01	84.219		
7,300.00	6,980.59	6,527.00	6,519.66	35.43	28.36	-123.16	-865.20	5,314.42	5,183.76	5,122.69	61.07	84.887		
7,350.00	6,994.88	6,527.00	6,519.66	35.89	28.36	-113.03	-865.20	5,314.42	5,229.76	5,168.64	61.12	85.564		
7,400.00	7,005.41	6,527.00	6,519.66	36.39	28.36	-101.75	-865.20	5,314.42	5,276.22	5,215.04	61.18	86.241		
7,450.00	7,012.10	6,527.00	6,519.66	36.93	28.36	-90.10	-865.20	5,314.42	5,322.83	5,261.59	61.24	86.912		
7,500.00	7,014.93	6,527.00	6,519.66	37.50	28.36	-79.03	-865.20	5,314.42	5,369.31	5,308.00	61.32	87.569		
7,517.56	7,015.00	6,527.00	6,519.66	37.70	28.36	-75.44	-865.20	5,314.42	5,385.55	5,324.21	61.34	87.796		
7,600.00	7,014.21	6,527.00	6,519.66	38.74	28.36	-75.44	-865.20	5,314.42	5,461.76	5,400.28	61.48	88.838		
7,700.00	7,013.24	6,527.00	6,519.66	40.15	28.36	-75.44	-865.20	5,314.42	5,554.43	5,492.76	61.67	90.071		
7,800.00	7,012.28	6,527.00	6,519.66	41.71	28.36	-75.44	-865.20	5,314.42	5,647.36	5,585.48	61.87	91.276		
7,900.00	7,011.31	6,527.00	6,519.66	43.40	28.36	-75.44	-865.20	5,314.42	5,740.52	5,678.43	62.09	92.453		
8,000.00	7,010.35	6,527.00	6,519.66	45.21	28.36	-75.44	-865.20	5,314.42	5,833.91	5,771.58	62.32	93.607		
8,100.00	7,009.38	6,527.00	6,519.66	47.12	28.36	-75.44	-865.20	5,314.42	5,927.51	5,864.94	62.57	94.738		
8,200.00	7,008.42	6,527.00	6,519.66	49.12	28.36	-75.44	-865.20	5,314.42	6,021.32	5,958.50	62.82	95.850		
8,300.00	7,007.45	6,527.00	6,519.66	51.21	28.36	-75.44	-865.20	5,314.42	6,115.33	6,052.25	63.08	96.943		
8,400.00	7,006.49	6,527.00	6,519.66	53.36	28.36	-75.44	-865.20	5,314.42	6,209.52	6,146.17	63.35	98.020		
8,500.00	7,005.52	6,527.00	6,519.66	55.57	28.36	-75.44	-865.20	5,314.42	6,303.89	6,240.27	63.62	99.083		
8,600.00	7,004.56	6,527.00	6,519.66	57.84	28.36	-75.44	-865.20	5,314.42	6,398.44	6,334.54	63.90	100.132		
8,700.00	7,003.59	6,527.00	6,519.66	60.16	28.36	-75.44	-865.20	5,314.42	6,493.14	6,428.96	64.18	101.169		
8,800.00	7,002.63	6,527.00	6,519.66	62.52	28.36	-75.44	-865.20	5,314.42	6,588.01	6,523.54	64.46	102.195		
8,900.00	7,001.66	6,527.00	6,519.66	64.92	28.36	-75.44	-865.20	5,314.42	6,683.02	6,618.27	64.75	103.212		
9,000.00	7,000.70	6,527.00	6,519.66	67.35	28.36	-75.44	-865.20	5,314.42	6,778.18	6,713.14	65.04	104.220		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,527.00	6,519.66	69.81	28.36	-75.44	-865.20	5,314.42	6,873.47	6,808.14	65.32	105.220		
9,200.00	6,998.77	6,527.00	6,519.66	72.31	28.36	-75.44	-865.20	5,314.42	6,968.90	6,903.28	65.61	106.213		
9,300.00	6,997.80	6,527.00	6,519.66	74.82	28.36	-75.44	-865.20	5,314.42	7,064.45	6,998.55	65.90	107.200		
9,400.00	6,996.84	6,527.00	6,519.66	77.36	28.36	-75.44	-865.20	5,314.42	7,160.12	7,093.94	66.19	108.181		
9,500.00	6,995.88	6,527.00	6,519.66	79.92	28.36	-75.44	-865.20	5,314.42	7,255.91	7,189.44	66.47	109.157		
9,600.00	6,994.91	6,527.00	6,519.66	82.49	28.36	-75.44	-865.20	5,314.42	7,351.81	7,285.06	66.76	110.129		
9,700.00	6,993.95	6,527.00	6,519.66	85.09	28.36	-75.44	-865.20	5,314.42	7,447.83	7,380.79	67.04	111.096		
9,800.00	6,992.98	6,527.00	6,519.66	87.70	28.36	-75.44	-865.20	5,314.42	7,543.94	7,476.62	67.32	112.060		
9,900.00	6,992.02	6,527.00	6,519.66	90.32	28.36	-75.44	-865.20	5,314.42	7,640.15	7,572.55	67.60	113.020		
10,000.00	6,991.05	6,489.19	6,481.99	92.95	28.21	-74.43	-865.70	5,311.30	7,735.81	7,668.07	67.74	114.201		
10,100.00	6,990.09	6,488.13	6,480.92	95.60	28.20	-74.41	-865.71	5,311.23	7,832.17	7,764.16	68.01	115.162		
10,200.00	6,989.12	6,487.09	6,479.88	98.26	28.20	-74.38	-865.72	5,311.16	7,928.63	7,860.34	68.28	116.119		
10,300.00	6,988.16	6,486.07	6,478.87	100.92	28.19	-74.35	-865.73	5,311.10	8,025.17	7,956.62	68.55	117.074		
10,400.00	6,987.19	6,485.07	6,477.88	103.60	28.19	-74.33	-865.74	5,311.03	8,121.79	8,052.98	68.81	118.028		
10,500.00	6,986.23	6,484.10	6,476.90	106.28	28.18	-74.30	-865.75	5,310.97	8,218.49	8,149.42	69.08	118.979		
10,600.00	6,985.26	6,483.15	6,475.96	108.98	28.18	-74.28	-865.76	5,310.91	8,315.27	8,245.94	69.34	119.928		
10,700.00	6,984.30	6,482.22	6,475.03	111.68	28.18	-74.25	-865.77	5,310.86	8,412.13	8,342.53	69.59	120.876		
10,800.00	6,983.33	6,481.31	6,474.12	114.38	28.17	-74.23	-865.78	5,310.80	8,509.05	8,439.20	69.85	121.822		
10,900.00	6,982.37	6,480.42	6,473.23	117.09	28.17	-74.20	-865.79	5,310.75	8,606.05	8,535.95	70.10	122.767		
11,000.00	6,981.40	6,479.54	6,472.36	119.81	28.17	-74.18	-865.80	5,310.70	8,703.11	8,632.76	70.35	123.711		
11,100.00	6,980.44	6,478.69	6,471.51	122.54	28.16	-74.16	-865.81	5,310.65	8,800.24	8,729.64	70.60	124.654		
11,200.00	6,979.47	6,477.85	6,470.67	125.26	28.16	-74.14	-865.81	5,310.60	8,897.43	8,826.59	70.84	125.595		
11,300.00	6,978.51	6,477.03	6,469.85	128.00	28.16	-74.11	-865.82	5,310.55	8,994.68	8,923.60	71.08	126.535		
11,400.00	6,977.54	6,476.23	6,469.05	130.73	28.15	-74.09	-865.83	5,310.51	9,091.99	9,020.67	71.32	127.475		
11,500.00	6,976.58	6,438.00	6,430.85	133.48	27.99	-73.09	-866.10	5,308.98	9,190.00	9,118.57	71.43	128.655		
11,600.00	6,975.62	6,438.00	6,430.85	136.22	27.99	-73.09	-866.10	5,308.98	9,287.40	9,215.73	71.67	129.588		
11,700.00	6,974.65	6,438.00	6,430.85	138.97	27.99	-73.09	-866.10	5,308.98	9,384.85	9,312.95	71.90	130.519		
11,800.00	6,973.69	6,438.00	6,430.85	141.73	27.99	-73.09	-866.10	5,308.98	9,482.36	9,410.22	72.14	131.450		
11,900.00	6,972.72	6,438.00	6,430.85	144.48	27.99	-73.09	-866.10	5,308.98	9,579.91	9,507.55	72.37	132.380		
12,000.00	6,971.76	6,438.00	6,430.85	147.24	27.99	-73.09	-866.10	5,308.98	9,677.52	9,604.93	72.59	133.309		
12,100.00	6,970.79	6,438.00	6,430.85	150.00	27.99	-73.09	-866.10	5,308.98	9,775.18	9,702.36	72.82	134.238		
12,200.00	6,969.83	6,438.00	6,430.85	152.77	27.99	-73.09	-866.10	5,308.98	9,872.88	9,799.84	73.04	135.166		
12,300.00	6,968.86	6,438.00	6,430.85	155.54	27.99	-73.09	-866.10	5,308.98	9,970.63	9,897.36	73.26	136.093		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-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	97.18	-664.64	5,275.88	5,317.63					
100.00	100.00	87.24	87.24	3.28	3.29	97.18	-664.63	5,275.80	5,317.51	5,310.94	6.57	809.326		
200.00	200.00	187.30	187.30	3.34	3.34	97.18	-664.42	5,275.64	5,317.33	5,310.65	6.68	796.022		
300.00	300.00	287.51	287.51	3.44	3.45	97.17	-663.88	5,275.50	5,317.12	5,310.22	6.90	770.748		
400.00	399.98	389.53	389.52	3.60	3.62	50.20	-663.57	5,275.39	5,315.85	5,308.63	7.22	736.295		
500.00	499.84	506.32	506.31	3.81	3.86	50.32	-663.77	5,274.78	5,311.99	5,304.33	7.66	693.495		
600.00	599.45	588.83	588.82	4.05	4.05	50.47	-663.99	5,274.37	5,305.98	5,297.89	8.10	655.390		
700.00	698.70	659.41	659.40	4.33	4.24	50.66	-663.35	5,274.47	5,298.23	5,289.68	8.55	619.391		
800.00	797.47	723.83	723.80	4.64	4.42	50.87	-661.96	5,275.07	5,288.90	5,279.86	9.04	585.183		
902.00	897.58	834.69	834.55	4.98	4.75	51.18	-657.45	5,276.75	5,277.50	5,267.79	9.71	543.511		
1,000.00	993.42	926.38	925.99	5.33	5.05	51.27	-650.83	5,278.38	5,265.31	5,254.96	10.36	508.446		
1,100.00	1,091.22	1,020.37	1,019.45	5.71	5.38	51.33	-641.22	5,280.53	5,252.99	5,241.93	11.05	475.210		
1,200.00	1,189.02	1,126.93	1,125.14	6.11	5.77	51.37	-627.86	5,283.28	5,240.65	5,228.81	11.84	442.733		
1,300.00	1,286.82	1,263.02	1,260.07	6.53	6.31	51.42	-610.48	5,286.70	5,228.33	5,215.56	12.77	409.272		
1,400.00	1,384.62	1,427.77	1,423.34	6.95	7.00	51.48	-588.58	5,288.71	5,214.54	5,200.67	13.87	376.022		
1,500.00	1,482.42	1,572.85	1,567.50	7.38	7.62	51.56	-572.30	5,288.16	5,199.36	5,184.46	14.90	348.991		
1,600.00	1,580.22	1,651.90	1,645.97	7.83	7.97	51.60	-562.71	5,287.96	5,184.31	5,168.64	15.67	330.794		
1,700.00	1,678.03	1,705.24	1,698.78	8.27	8.21	51.62	-555.27	5,288.25	5,169.84	5,153.49	16.35	316.217		
1,800.00	1,775.83	1,762.00	1,754.99	8.72	8.47	51.63	-547.42	5,289.22	5,156.39	5,139.34	17.05	302.429		
1,900.00	1,873.63	1,806.50	1,799.01	9.18	8.68	51.64	-541.09	5,290.43	5,143.85	5,126.15	17.71	290.517		
2,000.00	1,971.43	2,000.00	1,920.44	9.64	9.60	51.65	-521.89	5,294.21	5,131.60	5,112.53	19.07	269.050		
2,100.00	2,069.23	2,011.80	2,001.75	10.11	9.66	51.66	-509.26	5,296.19	5,118.80	5,099.22	19.58	261.433		
2,200.00	2,167.03	2,062.53	2,051.91	10.57	9.90	51.66	-501.93	5,297.94	5,107.05	5,086.76	20.28	251.798		
2,300.00	2,264.83	2,130.00	2,118.65	11.04	10.23	51.68	-492.42	5,300.88	5,096.19	5,075.13	21.07	241.917		
2,400.00	2,362.63	2,255.32	2,242.74	11.52	10.83	51.72	-475.59	5,305.54	5,084.77	5,062.65	22.12	229.854		
2,500.00	2,460.43	2,315.00	2,301.83	11.99	11.11	51.73	-467.70	5,308.36	5,074.27	5,051.40	22.87	221.838		
2,600.00	2,558.23	2,433.57	2,419.17	12.47	11.69	51.76	-451.50	5,313.58	5,063.57	5,039.66	23.91	211.762		
2,700.00	2,656.03	2,471.68	2,456.84	12.94	11.88	51.77	-446.01	5,315.49	5,053.40	5,028.82	24.57	205.662		
2,800.00	2,753.83	2,800.00	2,551.94	13.42	13.53	51.78	-431.88	5,321.12	5,043.99	5,017.30	26.68	189.030		
2,900.00	2,851.63	2,748.77	2,730.70	13.90	13.27	51.82	-406.26	5,329.29	5,033.09	5,006.22	26.87	187.295		
3,000.00	2,949.43	2,880.10	2,860.88	14.38	13.91	51.87	-389.64	5,333.92	5,021.70	4,993.73	27.98	179.501		
3,100.00	3,047.23	2,980.20	2,960.54	14.87	14.37	51.95	-380.74	5,336.71	5,010.12	4,981.22	28.90	173.361		
3,200.00	3,145.03	3,116.66	3,096.80	15.35	14.95	52.13	-373.77	5,338.61	4,997.65	4,967.71	29.94	166.912		
3,300.00	3,242.83	3,204.56	3,184.68	15.83	15.29	52.29	-373.46	5,339.19	4,985.30	4,954.55	30.75	162.109		
3,400.00	3,340.63	3,350.38	3,330.48	16.32	15.81	52.60	-376.09	5,339.19	4,972.70	4,940.97	31.73	156.703		
3,500.00	3,438.43	3,483.36	3,463.45	16.80	16.30	52.88	-377.83	5,338.12	4,959.32	4,926.64	32.68	151.750		
3,600.00	3,536.23	3,605.67	3,585.73	17.29	16.77	53.12	-377.68	5,336.33	4,945.06	4,911.45	33.61	147.109		
3,700.00	3,634.03	3,652.97	3,633.04	17.78	16.96	53.21	-377.53	5,335.90	4,931.42	4,897.12	34.30	143.789		
3,800.00	3,731.83	3,750.69	3,730.76	18.26	17.35	53.40	-377.03	5,335.78	4,918.56	4,883.39	35.16	139.885		
3,900.00	3,829.63	3,886.02	3,866.08	18.75	17.88	53.66	-376.63	5,334.58	4,905.02	4,868.87	36.16	135.660		
4,000.00	3,927.43	3,979.97	3,960.02	19.24	18.25	53.85	-376.32	5,333.50	4,891.31	4,854.31	37.01	132.174		
4,100.00	4,025.23	4,068.36	4,048.40	19.73	18.60	54.02	-376.11	5,332.60	4,877.80	4,839.96	37.84	128.913		
4,200.00	4,123.03	4,149.68	4,129.72	20.22	18.92	54.19	-376.42	5,331.86	4,864.58	4,825.94	38.64	125.893		
4,300.00	4,220.83	4,225.98	4,206.02	20.71	19.22	54.35	-376.96	5,331.48	4,851.85	4,812.43	39.42	123.071		
4,400.00	4,318.63	4,314.28	4,294.32	21.20	19.56	54.54	-377.29	5,331.34	4,839.46	4,799.21	40.25	120.240		
4,500.00	4,416.43	4,396.81	4,376.85	21.69	19.88	54.70	-377.40	5,331.49	4,827.40	4,786.34	41.06	117.578		
4,600.00	4,514.23	4,495.03	4,475.07	22.18	20.27	54.91	-377.54	5,331.80	4,815.54	4,773.62	41.92	114.866		
4,700.00	4,612.03	4,582.35	4,562.39	22.67	20.61	55.08	-377.59	5,332.11	4,803.77	4,761.01	42.76	112.355		
4,800.00	4,709.83	4,641.71	4,621.74	23.16	20.85	55.20	-377.20	5,332.77	4,792.63	4,749.14	43.49	110.196		
4,900.00	4,807.63	4,739.67	4,719.67	23.65	21.26	55.38	-375.47	5,334.59	4,782.04	4,737.66	44.38	107.746		
5,000.00	4,905.43	4,865.21	4,845.15	24.14	21.79	55.59	-371.87	5,336.28	4,770.68	4,725.30	45.39	105.113		
5,100.00	5,003.23	4,923.00	4,902.92	24.63	22.04	55.70	-371.28	5,337.19	4,760.02	4,713.90	46.12	103.200		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,077.41	5,057.29	25.12	22.64	56.06	-374.55	5,338.26	4,749.34	4,702.15	47.19	100.646		
5,300.00	5,198.83	5,207.57	5,187.42	25.62	23.14	56.37	-377.25	5,337.73	4,737.61	4,689.44	48.16	98.364		
5,400.00	5,296.63	5,315.60	5,295.42	26.11	23.57	56.63	-379.44	5,336.96	4,725.68	4,676.61	49.07	96.309		
5,500.00	5,394.43	5,433.71	5,413.51	26.60	24.04	56.90	-381.21	5,335.63	4,713.29	4,663.28	50.01	94.248		
5,600.00	5,492.23	5,524.39	5,504.17	27.09	24.40	57.11	-382.21	5,334.60	4,700.89	4,650.03	50.86	92.425		
5,700.00	5,590.03	5,582.79	5,562.57	27.58	24.63	57.25	-383.01	5,334.13	4,689.00	4,637.40	51.60	90.868		
5,800.00	5,687.83	5,637.00	5,616.77	28.08	24.85	57.38	-384.24	5,334.22	4,678.20	4,625.88	52.32	89.407		
5,900.00	5,785.63	5,719.40	5,699.14	28.57	25.18	57.58	-386.54	5,334.78	4,668.13	4,614.99	53.14	87.839		
6,000.00	5,883.43	5,866.89	5,846.55	29.06	25.76	57.96	-391.00	5,334.96	4,657.72	4,603.52	54.20	85.943		
6,100.00	5,981.23	6,037.84	6,017.45	29.56	26.45	58.38	-394.56	5,332.91	4,645.80	4,590.47	55.33	83.970		
6,200.00	6,079.04	6,122.62	6,102.21	30.05	26.79	58.59	-395.84	5,331.52	4,633.52	4,577.35	56.17	82.493		
6,300.00	6,176.84	6,220.45	6,200.03	30.54	27.20	58.82	-396.53	5,330.49	4,621.66	4,564.60	57.06	81.001		
6,409.71	6,284.13	6,301.87	6,281.44	31.08	27.53	59.01	-397.56	5,329.37	4,608.62	4,550.68	57.94	79.537		
6,450.00	6,323.71	6,321.91	6,301.47	31.28	27.61	73.12	-397.77	5,329.26	4,605.34	4,547.11	58.23	79.091		
6,482.41	6,355.73	6,351.00	6,330.56	31.42	27.73	89.81	-398.03	5,329.27	4,604.62	4,546.13	58.49	78.720 CC, ES		
6,500.00	6,373.15	6,351.00	6,330.56	31.50	27.73	100.68	-398.03	5,329.27	4,604.88	4,546.30	58.58	78.606		
6,550.00	6,422.65	6,378.75	6,358.31	31.70	27.84	131.90	-398.23	5,329.44	4,608.40	4,549.49	58.91	78.226		
6,600.00	6,471.92	6,411.61	6,391.17	31.89	27.98	153.58	-398.41	5,329.75	4,615.80	4,556.57	59.24	77.920		
6,650.00	6,520.65	6,441.00	6,420.56	32.07	28.10	166.22	-398.52	5,330.15	4,627.05	4,567.51	59.53	77.722 SF		
6,700.00	6,568.54	6,441.00	6,420.56	32.25	28.10	173.96	-398.52	5,330.15	4,642.23	4,582.53	59.70	77.759		
6,750.00	6,615.30	6,441.00	6,420.56	32.43	28.10	179.23	-398.52	5,330.15	4,661.37	4,601.53	59.85	77.890		
6,800.00	6,660.63	6,481.24	6,460.78	32.61	28.27	-176.82	-398.52	5,331.27	4,683.69	4,623.55	60.14	77.880		
6,850.00	6,704.26	6,493.13	6,472.66	32.80	28.32	-173.57	-398.46	5,331.79	4,709.79	4,649.49	60.30	78.103		
6,900.00	6,745.92	6,530.00	6,509.46	33.00	28.47	-170.70	-398.13	5,333.97	4,739.44	4,678.89	60.56	78.265		
6,950.00	6,785.34	6,530.00	6,509.46	33.21	28.47	-167.89	-398.13	5,333.97	4,771.76	4,711.11	60.64	78.689		
7,000.00	6,822.30	6,530.00	6,509.46	33.44	28.47	-164.97	-398.13	5,333.97	4,806.99	4,746.28	60.71	79.179		
7,050.00	6,856.55	6,530.00	6,509.46	33.69	28.47	-161.76	-398.13	5,333.97	4,844.86	4,784.09	60.77	79.728		
7,100.00	6,887.90	6,530.00	6,509.46	33.97	28.47	-158.05	-398.13	5,333.97	4,885.07	4,824.26	60.81	80.329		
7,150.00	6,916.14	6,530.00	6,509.46	34.28	28.47	-153.58	-398.13	5,333.97	4,927.34	4,866.49	60.85	80.973		
7,200.00	6,941.10	6,530.00	6,509.46	34.62	28.47	-148.00	-398.13	5,333.97	4,971.34	4,910.45	60.88	81.653		
7,250.00	6,962.63	6,530.00	6,509.46	35.00	28.47	-140.84	-398.13	5,333.97	5,016.76	4,955.84	60.91	82.360		
7,300.00	6,980.59	6,530.00	6,509.46	35.43	28.47	-131.53	-398.13	5,333.97	5,063.29	5,002.35	60.94	83.086		
7,350.00	6,994.88	6,530.00	6,509.46	35.89	28.47	-119.63	-398.13	5,333.97	5,110.61	5,049.64	60.97	83.824		
7,400.00	7,005.41	6,530.00	6,509.46	36.39	28.47	-105.29	-398.13	5,333.97	5,158.42	5,097.42	61.00	84.564		
7,450.00	7,012.10	6,530.00	6,509.46	36.93	28.47	-89.87	-398.13	5,333.97	5,206.41	5,145.37	61.04	85.300		
7,500.00	7,014.93	6,530.00	6,509.46	37.50	28.47	-75.45	-398.13	5,333.97	5,254.28	5,193.20	61.08	86.023		
7,517.56	7,015.00	6,530.00	6,509.46	37.70	28.47	-70.95	-398.13	5,333.97	5,271.01	5,209.92	61.10	86.274		
7,600.00	7,014.21	6,530.00	6,509.46	38.74	28.47	-70.95	-398.13	5,333.97	5,349.49	5,288.31	61.19	87.430		
7,700.00	7,013.24	6,530.00	6,509.46	40.15	28.47	-70.95	-398.13	5,333.97	5,444.85	5,383.54	61.31	88.813		
7,800.00	7,012.28	6,530.00	6,509.46	41.71	28.47	-70.95	-398.13	5,333.97	5,540.36	5,478.92	61.44	90.177		
7,900.00	7,011.31	6,530.00	6,509.46	43.40	28.47	-70.95	-398.13	5,333.97	5,636.03	5,574.45	61.58	91.524		
8,000.00	7,010.35	6,530.00	6,509.46	45.21	28.47	-70.95	-398.13	5,333.97	5,731.85	5,670.12	61.73	92.854		
8,100.00	7,009.38	6,530.00	6,509.46	47.12	28.47	-70.95	-398.13	5,333.97	5,827.81	5,765.93	61.89	94.169		
8,200.00	7,008.42	6,530.00	6,509.46	49.12	28.47	-70.95	-398.13	5,333.97	5,923.91	5,861.86	62.05	95.471		
8,300.00	7,007.45	6,530.00	6,509.46	51.21	28.47	-70.95	-398.13	5,333.97	6,020.13	5,957.91	62.22	96.759		
8,400.00	7,006.49	6,530.00	6,509.46	53.36	28.47	-70.95	-398.13	5,333.97	6,116.47	6,054.08	62.39	98.034		
8,500.00	7,005.52	6,530.00	6,509.46	55.57	28.47	-70.95	-398.13	5,333.97	6,212.93	6,150.36	62.57	99.299		
8,600.00	7,004.56	6,530.00	6,509.46	57.84	28.47	-70.95	-398.13	5,333.97	6,309.49	6,246.75	62.75	100.553		
8,700.00	7,003.59	6,530.00	6,509.46	60.16	28.47	-70.95	-398.13	5,333.97	6,406.17	6,343.24	62.93	101.797		
8,800.00	7,002.63	6,530.00	6,509.46	62.52	28.47	-70.95	-398.13	5,333.97	6,502.94	6,439.82	63.12	103.032		
8,900.00	7,001.66	6,530.00	6,509.46	64.92	28.47	-70.95	-398.13	5,333.97	6,599.81	6,536.51	63.30	104.259		
9,000.00	7,000.70	6,530.00	6,509.46	67.35	28.47	-70.95	-398.13	5,333.97	6,696.77	6,633.28	63.49	105.478		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,530.00	6,509.46	69.81	28.47	-70.95	-398.13	5,333.97	6,793.82	6,730.14	63.68	106.690		
9,200.00	6,998.77	6,530.00	6,509.46	72.31	28.47	-70.95	-398.13	5,333.97	6,890.96	6,827.09	63.87	107.894		
9,300.00	6,997.80	6,530.00	6,509.46	74.82	28.47	-70.95	-398.13	5,333.97	6,988.17	6,924.11	64.06	109.092		
9,400.00	6,996.84	6,530.00	6,509.46	77.36	28.47	-70.95	-398.13	5,333.97	7,085.46	7,021.22	64.25	110.284		
9,500.00	6,995.88	6,530.00	6,509.46	79.92	28.47	-70.95	-398.13	5,333.97	7,182.83	7,118.39	64.44	111.470		
9,600.00	6,994.91	6,530.00	6,509.46	82.49	28.47	-70.95	-398.13	5,333.97	7,280.27	7,215.64	64.63	112.651		
9,700.00	6,993.95	6,530.00	6,509.46	85.09	28.47	-70.95	-398.13	5,333.97	7,377.78	7,312.96	64.82	113.827		
9,800.00	6,992.98	6,530.00	6,509.46	87.70	28.47	-70.95	-398.13	5,333.97	7,475.35	7,410.35	65.00	114.998		
9,900.00	6,992.02	6,530.00	6,509.46	90.32	28.47	-70.95	-398.13	5,333.97	7,572.99	7,507.79	65.19	116.165		
10,000.00	6,991.05	6,530.00	6,509.46	92.95	28.47	-70.95	-398.13	5,333.97	7,670.68	7,605.30	65.38	117.327		
10,100.00	6,990.09	6,530.00	6,509.46	95.60	28.47	-70.95	-398.13	5,333.97	7,768.44	7,702.87	65.56	118.485		
10,200.00	6,989.12	6,530.00	6,509.46	98.26	28.47	-70.95	-398.13	5,333.97	7,866.25	7,800.50	65.75	119.639		
10,300.00	6,988.16	6,530.00	6,509.46	100.92	28.47	-70.95	-398.13	5,333.97	7,964.12	7,898.18	65.93	120.789		
10,400.00	6,987.19	6,530.00	6,509.46	103.60	28.47	-70.95	-398.13	5,333.97	8,062.04	7,995.92	66.12	121.936		
10,500.00	6,986.23	6,530.00	6,509.46	106.28	28.47	-70.95	-398.13	5,333.97	8,160.00	8,093.71	66.30	123.079		
10,600.00	6,985.26	6,530.00	6,509.46	108.98	28.47	-70.95	-398.13	5,333.97	8,258.02	8,191.54	66.48	124.219		
10,700.00	6,984.30	6,530.00	6,509.46	111.68	28.47	-70.95	-398.13	5,333.97	8,356.09	8,289.43	66.66	125.356		
10,800.00	6,983.33	6,530.00	6,509.46	114.38	28.47	-70.95	-398.13	5,333.97	8,454.20	8,387.36	66.84	126.490		
10,900.00	6,982.37	6,530.00	6,509.46	117.09	28.47	-70.95	-398.13	5,333.97	8,552.35	8,485.34	67.01	127.620		
11,000.00	6,981.40	6,530.00	6,509.46	119.81	28.47	-70.95	-398.13	5,333.97	8,650.55	8,583.36	67.19	128.748		
11,100.00	6,980.44	6,530.00	6,509.46	122.54	28.47	-70.95	-398.13	5,333.97	8,748.79	8,681.42	67.36	129.873		
11,200.00	6,979.47	6,530.00	6,509.46	125.26	28.47	-70.95	-398.13	5,333.97	8,847.06	8,779.52	67.54	130.995		
11,300.00	6,978.51	6,530.00	6,509.46	128.00	28.47	-70.95	-398.13	5,333.97	8,945.38	8,877.67	67.71	132.114		
11,400.00	6,977.54	6,530.00	6,509.46	130.73	28.47	-70.95	-398.13	5,333.97	9,043.73	8,975.85	67.88	133.231		
11,500.00	6,976.58	6,530.00	6,509.46	133.48	28.47	-70.95	-398.13	5,333.97	9,142.12	9,074.07	68.05	134.345		
11,600.00	6,975.62	6,530.00	6,509.46	136.22	28.47	-70.95	-398.13	5,333.97	9,240.54	9,172.32	68.22	135.456		
11,700.00	6,974.65	6,530.00	6,509.46	138.97	28.47	-70.95	-398.13	5,333.97	9,338.99	9,270.61	68.38	136.565		
11,800.00	6,973.69	6,530.00	6,509.46	141.73	28.47	-70.95	-398.13	5,333.97	9,437.48	9,368.93	68.55	137.671		
11,900.00	6,972.72	6,530.00	6,509.46	144.48	28.47	-70.95	-398.13	5,333.97	9,536.00	9,467.29	68.72	138.775		
12,000.00	6,971.76	6,530.00	6,509.46	147.24	28.47	-70.95	-398.13	5,333.97	9,634.55	9,565.67	68.88	139.877		
12,100.00	6,970.79	6,530.00	6,509.46	150.00	28.47	-70.95	-398.13	5,333.97	9,733.13	9,664.09	69.04	140.976		
12,200.00	6,969.83	6,530.00	6,509.46	152.77	28.47	-70.95	-398.13	5,333.97	9,831.74	9,762.54	69.20	142.073		
12,300.00	6,968.86	6,530.00	6,509.46	155.54	28.47	-70.95	-398.13	5,333.97	9,930.38	9,861.01	69.36	143.167		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.32	-672.67	5,236.63	5,279.71					
100.00	100.00	130.15	130.15	3.28	3.29	97.32	-672.97	5,235.93	5,279.27	5,272.69	6.58	802.610		
200.00	200.00	228.88	228.87	3.34	3.34	97.33	-673.29	5,234.73	5,278.10	5,271.43	6.68	790.679		
300.00	300.00	297.50	297.49	3.44	3.41	97.32	-672.61	5,234.31	5,277.39	5,270.54	6.85	770.436		
400.00	399.98	364.00	363.96	3.60	3.49	50.33	-670.97	5,234.52	5,276.25	5,269.16	7.09	743.751		
500.00	499.84	436.26	436.14	3.81	3.61	50.37	-667.82	5,235.34	5,273.47	5,266.05	7.41	711.204		
600.00	599.45	517.40	517.10	4.05	3.78	50.44	-662.61	5,236.80	5,268.86	5,261.04	7.82	673.875		
700.00	698.70	623.67	623.04	4.33	4.03	50.57	-654.54	5,239.07	5,262.23	5,253.88	8.35	630.197		
800.00	797.47	711.36	710.41	4.64	4.28	50.74	-647.22	5,240.93	5,253.29	5,244.39	8.90	590.243		
902.00	897.58	807.72	806.32	4.98	4.58	50.97	-638.27	5,243.37	5,242.19	5,232.65	9.54	549.561		
1,000.00	993.42	926.68	924.53	5.33	4.99	51.04	-625.30	5,246.42	5,230.27	5,219.97	10.30	508.034		
1,100.00	1,091.22	1,038.11	1,035.13	5.71	5.41	51.09	-612.00	5,249.06	5,217.78	5,206.70	11.08	470.751		
1,200.00	1,189.02	1,215.88	1,211.45	6.11	6.12	51.16	-589.59	5,251.99	5,204.59	5,192.41	12.18	427.201		
1,300.00	1,286.82	1,264.18	1,259.35	6.53	6.33	51.18	-583.40	5,252.80	5,191.12	5,178.34	12.79	405.935		
1,400.00	1,384.62	1,400.00	1,534.83	6.95	6.92	51.29	-548.23	5,254.44	5,177.81	5,164.03	13.77	375.999		
1,500.00	1,482.42	1,715.86	1,707.70	7.38	8.29	51.41	-529.94	5,249.11	5,159.94	5,144.39	15.55	331.860		
1,600.00	1,580.22	1,761.00	1,752.58	7.83	8.49	51.45	-525.39	5,247.51	5,142.21	5,126.03	16.18	317.908		
1,700.00	1,678.03	1,811.84	1,803.16	8.27	8.71	51.49	-520.37	5,246.20	5,125.42	5,108.58	16.83	304.465		
1,800.00	1,775.83	1,853.00	1,844.13	8.72	8.89	51.52	-516.53	5,245.84	5,110.01	5,092.55	17.46	292.681		
1,900.00	1,873.63	1,912.04	1,902.89	9.18	9.16	51.57	-510.72	5,245.95	5,095.59	5,077.42	18.17	280.435		
2,000.00	1,971.43	2,000.00	2,108.32	9.64	9.56	51.70	-488.16	5,245.10	5,080.75	5,061.76	18.99	267.527		
2,100.00	2,069.23	2,187.26	2,176.38	10.11	10.42	51.74	-480.26	5,243.68	5,064.25	5,043.95	20.30	249.441		
2,200.00	2,167.03	2,222.00	2,210.88	10.57	10.58	51.76	-476.16	5,243.59	5,049.23	5,028.30	20.93	241.263		
2,300.00	2,264.83	2,404.73	2,392.50	11.04	11.43	51.88	-456.21	5,242.28	5,033.84	5,011.63	22.21	226.695		
2,400.00	2,362.63	2,494.75	2,481.95	11.52	11.85	51.94	-446.14	5,241.06	5,017.86	4,994.78	23.08	217.396		
2,500.00	2,460.43	2,550.35	2,537.22	11.99	12.11	51.98	-440.11	5,240.56	5,002.39	4,978.58	23.81	210.088		
2,600.00	2,558.23	2,631.80	2,618.12	12.47	12.49	52.02	-430.68	5,240.62	4,987.73	4,963.07	24.66	202.266		
2,700.00	2,656.03	2,775.53	2,760.82	12.94	13.18	52.10	-413.48	5,240.03	4,972.58	4,946.78	25.79	192.801		
2,800.00	2,753.83	2,904.67	2,889.08	13.42	13.80	52.18	-398.56	5,238.41	4,956.66	4,929.81	26.85	184.583		
2,900.00	2,851.63	2,993.29	2,977.17	13.90	14.22	52.25	-389.02	5,236.91	4,940.47	4,912.73	27.74	178.110		
3,000.00	2,949.43	3,064.50	3,047.88	14.38	14.56	52.29	-380.67	5,236.24	4,924.83	4,896.28	28.55	172.492		
3,100.00	3,047.23	3,137.00	3,119.92	14.87	14.90	52.34	-372.45	5,235.65	4,909.47	4,880.10	29.37	167.147		
3,200.00	3,145.03	3,196.47	3,179.01	15.35	15.19	52.37	-365.81	5,235.55	4,894.82	4,864.69	30.14	162.420		
3,300.00	3,242.83	3,272.90	3,254.92	15.83	15.56	52.42	-356.93	5,236.38	4,881.16	4,850.19	30.98	157.571		
3,400.00	3,340.63	3,389.07	3,370.47	16.32	16.10	52.51	-344.97	5,237.12	4,867.33	4,835.34	31.99	152.158		
3,500.00	3,438.43	3,461.70	3,442.76	16.80	16.44	52.57	-337.98	5,237.55	4,853.58	4,820.77	32.81	147.941		
3,600.00	3,536.23	3,579.63	3,560.03	17.29	17.00	52.65	-325.56	5,238.85	4,840.22	4,806.39	33.83	143.074		
3,700.00	3,634.03	3,673.00	3,652.89	17.78	17.44	52.72	-315.85	5,239.17	4,826.14	4,791.39	34.75	138.901		
3,800.00	3,731.83	3,728.83	3,708.43	18.26	17.71	52.77	-310.20	5,239.63	4,812.69	4,777.20	35.50	135.577		
3,900.00	3,829.63	3,782.94	3,762.17	18.75	17.97	52.80	-304.01	5,240.99	4,800.48	4,764.23	36.24	132.446		
4,000.00	3,927.43	3,909.55	3,887.79	19.24	18.59	52.86	-288.60	5,244.47	4,788.48	4,751.15	37.33	128.272		
4,100.00	4,025.23	4,044.49	4,021.62	19.73	19.25	52.93	-271.56	5,247.15	4,775.63	4,737.17	38.46	124.179		
4,200.00	4,123.03	4,161.21	4,137.70	20.22	19.81	53.02	-259.48	5,248.54	4,762.40	4,722.92	39.48	120.629		
4,300.00	4,220.83	4,259.50	4,235.49	20.71	20.27	53.10	-249.61	5,249.22	4,748.73	4,708.31	40.42	117.488		
4,400.00	4,318.63	4,326.94	4,302.57	21.20	20.60	53.15	-242.68	5,250.01	4,735.52	4,694.29	41.23	114.858		
4,500.00	4,416.43	4,388.33	4,363.58	21.69	20.89	53.19	-236.00	5,251.31	4,723.10	4,681.08	42.01	112.416		
4,600.00	4,514.23	4,540.57	4,515.13	22.18	21.60	53.33	-221.80	5,253.64	4,710.32	4,667.14	43.18	109.084		
4,700.00	4,612.03	4,693.01	4,667.09	22.67	22.30	53.50	-209.72	5,253.78	4,696.37	4,652.05	44.32	105.958		
4,800.00	4,709.83	4,765.97	4,739.85	23.16	22.63	53.58	-204.34	5,253.61	4,682.34	4,637.19	45.15	103.713		
4,900.00	4,807.63	4,832.00	4,805.63	23.65	22.93	53.65	-198.70	5,254.16	4,669.07	4,623.13	45.94	101.624		
5,000.00	4,905.43	4,940.92	4,914.06	24.14	23.44	53.75	-188.47	5,255.44	4,656.07	4,609.14	46.93	99.217		
5,100.00	5,003.23	5,046.54	5,019.30	24.63	23.93	53.86	-179.43	5,256.28	4,642.84	4,594.96	47.89	96.953		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,263.70	5,236.25	25.12	24.82	54.25	-172.97	5,251.89	4,627.43	4,578.26	49.17	94.101		
5,300.00	5,198.83	5,339.00	5,311.51	25.62	25.11	54.41	-172.52	5,249.54	4,611.90	4,561.94	49.96	92.310		
5,400.00	5,296.63	5,434.99	5,407.46	26.11	25.48	54.62	-172.33	5,246.80	4,596.75	4,545.94	50.81	90.471		
5,500.00	5,394.43	5,504.01	5,476.46	26.60	25.75	54.77	-172.20	5,244.91	4,581.81	4,530.24	51.57	88.839		
5,600.00	5,492.23	5,570.35	5,542.78	27.09	26.00	54.92	-172.49	5,243.59	4,567.72	4,515.39	52.33	87.288		
5,700.00	5,590.03	5,658.83	5,631.25	27.58	26.33	55.12	-172.88	5,242.17	4,554.08	4,500.93	53.15	85.682		
5,800.00	5,687.83	5,767.52	5,739.93	28.08	26.74	55.37	-173.34	5,240.48	4,540.56	4,486.52	54.04	84.023		
5,900.00	5,785.63	5,883.47	5,855.85	28.57	27.19	55.63	-173.98	5,238.07	4,526.62	4,471.67	54.95	82.377		
6,000.00	5,883.43	5,969.06	5,941.41	29.06	27.51	55.84	-175.08	5,236.11	4,512.72	4,456.96	55.76	80.927		
6,100.00	5,981.23	6,026.23	5,998.56	29.56	27.72	55.98	-175.94	5,235.06	4,499.43	4,442.93	56.49	79.646		
6,200.00	6,079.04	6,082.00	6,054.33	30.05	27.94	56.11	-175.99	5,234.91	4,487.26	4,430.04	57.22	78.425		
6,300.00	6,176.84	6,116.51	6,088.84	30.54	28.08	56.18	-175.85	5,235.26	4,476.27	4,418.41	57.87	77.356		
6,409.71	6,284.13	6,171.00	6,143.31	31.08	28.29	56.30	-176.00	5,236.51	4,465.76	4,407.13	58.63	76.172		
6,450.00	6,323.71	6,202.41	6,174.71	31.28	28.41	70.46	-176.18	5,237.43	4,463.45	4,404.51	58.94	75.727		
6,470.83	6,344.28	6,239.99	6,212.28	31.37	28.56	80.67	-176.33	5,238.41	4,463.16	4,403.98	59.18	75.421 CC		
6,500.00	6,373.15	6,500.00	6,230.07	31.50	29.56	98.09	-176.36	5,238.82	4,463.79	4,403.47	60.32	74.005 ES, SF		
6,550.00	6,422.65	6,260.00	6,232.28	31.70	28.63	129.28	-176.37	5,238.88	4,468.27	4,408.67	59.60	74.975		
6,600.00	6,471.92	6,260.00	6,232.28	31.89	28.63	150.93	-176.37	5,238.88	4,477.04	4,417.26	59.78	74.892		
6,650.00	6,520.65	6,260.00	6,232.28	32.07	28.63	163.54	-176.37	5,238.88	4,490.03	4,430.09	59.94	74.910		
6,700.00	6,568.54	6,260.00	6,232.28	32.25	28.63	171.27	-176.37	5,238.88	4,507.12	4,447.05	60.07	75.025		
6,750.00	6,615.30	6,260.00	6,232.28	32.43	28.63	176.52	-176.37	5,238.88	4,528.16	4,467.97	60.19	75.231		
6,800.00	6,660.63	6,260.00	6,232.28	32.61	28.63	-179.54	-176.37	5,238.88	4,552.97	4,492.69	60.29	75.523		
6,850.00	6,704.26	6,260.00	6,232.28	32.80	28.63	-176.29	-176.37	5,238.88	4,581.33	4,520.97	60.36	75.896		
6,900.00	6,745.92	6,260.00	6,232.28	33.00	28.63	-173.37	-176.37	5,238.88	4,613.01	4,552.58	60.42	76.343		
6,950.00	6,785.34	6,302.70	6,274.88	33.21	28.80	-170.61	-176.58	5,241.63	4,645.77	4,585.09	60.68	76.564		
7,000.00	6,822.30	6,305.99	6,278.15	33.44	28.81	-167.68	-176.60	5,241.99	4,682.96	4,622.23	60.73	77.108		
7,050.00	6,856.55	6,308.94	6,281.08	33.69	28.82	-164.43	-176.63	5,242.33	4,722.65	4,661.87	60.78	77.706		
7,100.00	6,887.90	6,349.00	6,320.63	33.97	28.97	-160.86	-177.11	5,248.61	4,766.04	4,705.04	61.00	78.137		
7,150.00	6,916.14	6,349.00	6,320.63	34.28	28.97	-156.22	-177.11	5,248.61	4,809.63	4,748.62	61.01	78.829		
7,200.00	6,941.10	6,349.00	6,320.63	34.62	28.97	-150.21	-177.11	5,248.61	4,854.84	4,793.81	61.03	79.552		
7,250.00	6,962.63	6,349.00	6,320.63	35.00	28.97	-142.18	-177.11	5,248.61	4,901.35	4,840.31	61.04	80.297		
7,300.00	6,980.59	6,349.00	6,320.63	35.43	28.97	-131.22	-177.11	5,248.61	4,948.83	4,887.77	61.05	81.056		
7,350.00	6,994.88	6,349.00	6,320.63	35.89	28.97	-116.59	-177.11	5,248.61	4,996.97	4,935.90	61.07	81.821		
7,400.00	7,005.41	6,349.00	6,320.63	36.39	28.97	-98.89	-177.11	5,248.61	5,045.46	4,984.36	61.09	82.584		
7,450.00	7,012.10	6,349.00	6,320.63	36.93	28.97	-80.90	-177.11	5,248.61	5,093.99	5,032.86	61.13	83.337		
7,500.00	7,014.93	6,349.00	6,320.63	37.50	28.97	-65.70	-177.11	5,248.61	5,142.27	5,081.10	61.17	84.072		
7,517.56	7,015.00	6,349.00	6,320.63	37.70	28.97	-61.28	-177.11	5,248.61	5,159.11	5,097.93	61.18	84.325		
7,600.00	7,014.21	6,349.00	6,320.63	38.74	28.97	-61.28	-177.11	5,248.61	5,238.06	5,176.79	61.27	85.495		
7,700.00	7,013.24	6,349.00	6,320.63	40.15	28.97	-61.28	-177.11	5,248.61	5,333.97	5,272.59	61.38	86.898		
7,800.00	7,012.28	6,349.00	6,320.63	41.71	28.97	-61.28	-177.11	5,248.61	5,430.03	5,368.52	61.50	88.288		
7,900.00	7,011.31	6,349.00	6,320.63	43.40	28.97	-61.28	-177.11	5,248.61	5,526.22	5,464.59	61.63	89.664		
8,000.00	7,010.35	6,349.00	6,320.63	45.21	28.97	-61.28	-177.11	5,248.61	5,622.55	5,560.79	61.77	91.029		
8,100.00	7,009.38	6,349.00	6,320.63	47.12	28.97	-61.28	-177.11	5,248.61	5,719.01	5,657.10	61.91	92.382		
8,200.00	7,008.42	6,349.00	6,320.63	49.12	28.97	-61.28	-177.11	5,248.61	5,815.58	5,753.53	62.05	93.724		
8,300.00	7,007.45	6,349.00	6,320.63	51.21	28.97	-61.28	-177.11	5,248.61	5,912.27	5,850.08	62.20	95.057		
8,400.00	7,006.49	6,308.51	6,280.66	53.36	28.82	-59.94	-176.62	5,242.28	6,007.33	5,945.16	62.17	96.625		
8,500.00	7,005.52	6,307.54	6,279.69	55.57	28.81	-59.91	-176.62	5,242.16	6,104.15	6,041.83	62.32	97.943		
8,600.00	7,004.56	6,306.59	6,278.74	57.84	28.81	-59.88	-176.61	5,242.06	6,201.07	6,138.59	62.48	99.254		
8,700.00	7,003.59	6,305.67	6,277.83	60.16	28.81	-59.85	-176.60	5,241.95	6,298.08	6,235.45	62.63	100.556		
8,800.00	7,002.63	6,304.77	6,276.94	62.52	28.80	-59.82	-176.59	5,241.85	6,395.18	6,332.39	62.79	101.851		
8,900.00	7,001.66	6,303.90	6,276.08	64.92	28.80	-59.79	-176.59	5,241.76	6,492.37	6,429.42	62.95	103.139		
9,000.00	7,000.70	6,303.06	6,275.24	67.35	28.80	-59.76	-176.58	5,241.67	6,589.64	6,526.53	63.11	104.421		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,302.24	6,274.42	69.81	28.79	-59.74	-176.57	5,241.58	6,686.99	6,623.72	63.27	105.696		
9,200.00	6,998.77	6,301.44	6,273.62	72.31	28.79	-59.71	-176.57	5,241.50	6,784.42	6,720.99	63.43	106.966		
9,300.00	6,997.80	6,260.00	6,232.28	74.82	28.63	-58.38	-176.37	5,238.88	6,883.65	6,820.22	63.43	108.526		
9,400.00	6,996.84	6,260.00	6,232.28	77.36	28.63	-58.38	-176.37	5,238.88	6,981.15	6,917.56	63.59	109.778		
9,500.00	6,995.88	6,260.00	6,232.28	79.92	28.63	-58.38	-176.37	5,238.88	7,078.72	7,014.97	63.76	111.024		
9,600.00	6,994.91	6,260.00	6,232.28	82.49	28.63	-58.38	-176.37	5,238.88	7,176.36	7,112.44	63.92	112.266		
9,700.00	6,993.95	6,260.00	6,232.28	85.09	28.63	-58.38	-176.37	5,238.88	7,274.07	7,209.98	64.09	113.504		
9,800.00	6,992.98	6,260.00	6,232.28	87.70	28.63	-58.38	-176.37	5,238.88	7,371.83	7,307.58	64.25	114.737		
9,900.00	6,992.02	6,260.00	6,232.28	90.32	28.63	-58.38	-176.37	5,238.88	7,469.65	7,405.24	64.41	115.967		
10,000.00	6,991.05	6,260.00	6,232.28	92.95	28.63	-58.38	-176.37	5,238.88	7,567.53	7,502.96	64.57	117.192		
10,100.00	6,990.09	6,260.00	6,232.28	95.60	28.63	-58.38	-176.37	5,238.88	7,665.47	7,600.73	64.73	118.414		
10,200.00	6,989.12	6,260.00	6,232.28	98.26	28.63	-58.38	-176.37	5,238.88	7,763.46	7,698.56	64.89	119.632		
10,300.00	6,988.16	6,260.00	6,232.28	100.92	28.63	-58.38	-176.37	5,238.88	7,861.50	7,796.44	65.05	120.847		
10,400.00	6,987.19	6,260.00	6,232.28	103.60	28.63	-58.38	-176.37	5,238.88	7,959.58	7,894.37	65.21	122.058		
10,500.00	6,986.23	6,260.00	6,232.28	106.28	28.63	-58.38	-176.37	5,238.88	8,057.72	7,992.35	65.37	123.266		
10,600.00	6,985.26	6,260.00	6,232.28	108.98	28.63	-58.38	-176.37	5,238.88	8,155.90	8,090.37	65.52	124.470		
10,700.00	6,984.30	6,260.00	6,232.28	111.68	28.63	-58.38	-176.37	5,238.88	8,254.12	8,188.44	65.68	125.672		
10,800.00	6,983.33	6,260.00	6,232.28	114.38	28.63	-58.38	-176.37	5,238.88	8,352.39	8,286.55	65.83	126.870		
10,900.00	6,982.37	6,260.00	6,232.28	117.09	28.63	-58.38	-176.37	5,238.88	8,450.69	8,384.70	65.99	128.065		
11,000.00	6,981.40	6,260.00	6,232.28	119.81	28.63	-58.38	-176.37	5,238.88	8,549.04	8,482.90	66.14	129.257		
11,100.00	6,980.44	6,260.00	6,232.28	122.54	28.63	-58.38	-176.37	5,238.88	8,647.42	8,581.13	66.29	130.446		
11,200.00	6,979.47	6,260.00	6,232.28	125.26	28.63	-58.38	-176.37	5,238.88	8,745.84	8,679.40	66.44	131.633		
11,300.00	6,978.51	6,260.00	6,232.28	128.00	28.63	-58.38	-176.37	5,238.88	8,844.30	8,777.71	66.59	132.816		
11,400.00	6,977.54	6,260.00	6,232.28	130.73	28.63	-58.38	-176.37	5,238.88	8,942.79	8,876.05	66.74	133.997		
11,500.00	6,976.58	6,260.00	6,232.28	133.48	28.63	-58.38	-176.37	5,238.88	9,041.31	8,974.42	66.89	135.175		
11,600.00	6,975.62	6,260.00	6,232.28	136.22	28.63	-58.38	-176.37	5,238.88	9,139.86	9,072.83	67.03	136.350		
11,700.00	6,974.65	6,260.00	6,232.28	138.97	28.63	-58.38	-176.37	5,238.88	9,238.45	9,171.27	67.18	137.522		
11,800.00	6,973.69	6,260.00	6,232.28	141.73	28.63	-58.38	-176.37	5,238.88	9,337.07	9,269.74	67.32	138.691		
11,900.00	6,972.72	6,260.00	6,232.28	144.48	28.63	-58.38	-176.37	5,238.88	9,435.71	9,368.25	67.47	139.858		
12,000.00	6,971.76	6,260.00	6,232.28	147.24	28.63	-58.38	-176.37	5,238.88	9,534.39	9,466.78	67.61	141.022		
12,100.00	6,970.79	6,260.00	6,232.28	150.00	28.63	-58.38	-176.37	5,238.88	9,633.09	9,565.34	67.75	142.183		
12,200.00	6,969.83	6,260.00	6,232.28	152.77	28.63	-58.38	-176.37	5,238.88	9,731.81	9,663.92	67.89	143.342		
12,300.00	6,968.86	6,260.00	6,232.28	155.54	28.63	-58.38	-176.37	5,238.88	9,830.57	9,762.54	68.03	144.498		
12,400.00	6,967.90	6,260.00	6,232.28	158.31	28.63	-58.38	-176.37	5,238.88	9,929.35	9,861.17	68.17	145.651		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-72.94	1,804.72	-5,879.94	6,150.67					
100.00	100.00	133.00	133.00	3.28	4.38	-72.94	1,804.72	-5,879.94	6,150.67	6,143.01	7.66	802.830		
200.00	200.00	233.00	233.00	3.34	7.18	-72.94	1,804.72	-5,879.94	6,150.67	6,140.15	10.52	584.754		
300.00	300.00	333.00	333.00	3.44	10.41	-72.94	1,804.72	-5,879.94	6,150.67	6,136.81	13.85	443.941		
400.00	399.98	432.98	432.98	3.60	13.77	-119.94	1,804.72	-5,879.94	6,151.54	6,134.17	17.37	354.182		
500.00	499.84	532.84	532.84	3.81	17.17	-119.93	1,804.72	-5,879.94	6,154.15	6,133.18	20.97	293.405		
600.00	599.45	632.45	632.45	4.05	20.60	-119.93	1,804.72	-5,879.94	6,158.51	6,133.87	24.64	249.949		
700.00	698.70	731.70	731.70	4.33	24.02	-119.92	1,804.72	-5,879.94	6,164.63	6,136.29	28.34	217.523		
800.00	797.47	830.47	830.47	4.64	27.44	-119.91	1,804.72	-5,879.94	6,172.50	6,140.44	32.06	192.503		
902.00	897.58	930.58	930.58	4.98	30.92	-119.89	1,804.72	-5,879.94	6,182.36	6,146.48	35.88	172.321		
1,000.00	993.42	1,026.42	1,026.42	5.33	34.24	-120.05	1,804.72	-5,879.94	6,192.74	6,153.19	39.56	156.560		
1,100.00	1,091.22	1,124.22	1,124.22	5.71	37.64	-120.22	1,804.72	-5,879.94	6,203.39	6,160.06	43.33	143.170		
1,200.00	1,189.02	1,222.02	1,222.02	6.11	41.05	-120.38	1,804.72	-5,879.94	6,214.08	6,166.96	47.12	131.876		
1,300.00	1,286.82	1,319.82	1,319.82	6.53	44.45	-120.54	1,804.72	-5,879.94	6,224.83	6,173.91	50.93	122.231		
1,400.00	1,384.62	1,417.62	1,417.62	6.95	47.86	-120.70	1,804.72	-5,879.94	6,235.64	6,180.89	54.75	113.903		
1,500.00	1,482.42	1,515.42	1,515.42	7.38	51.26	-120.87	1,804.72	-5,879.94	6,246.49	6,187.91	58.57	106.644		
1,600.00	1,580.22	1,613.22	1,613.22	7.83	54.67	-121.03	1,804.72	-5,879.94	6,257.39	6,194.98	62.41	100.263		
1,700.00	1,678.03	1,711.03	1,711.03	8.27	58.08	-121.19	1,804.72	-5,879.94	6,268.34	6,202.09	66.25	94.613		
1,800.00	1,775.83	1,808.83	1,808.83	8.72	61.49	-121.35	1,804.72	-5,879.94	6,279.35	6,209.24	70.10	89.575		
1,900.00	1,873.63	1,906.63	1,906.63	9.18	64.90	-121.51	1,804.72	-5,879.94	6,290.40	6,216.44	73.96	85.057		
2,000.00	1,971.43	2,004.43	2,004.43	9.64	68.31	-121.67	1,804.72	-5,879.94	6,301.50	6,223.69	77.81	80.982		
2,100.00	2,069.23	2,102.23	2,102.23	10.11	71.72	-121.83	1,804.72	-5,879.94	6,312.65	6,230.98	81.68	77.290		
2,200.00	2,167.03	2,200.03	2,200.03	10.57	75.13	-121.98	1,804.72	-5,879.94	6,323.86	6,238.32	85.54	73.929		
2,300.00	2,264.83	2,302.17	2,297.83	11.04	78.69	-122.14	1,804.72	-5,879.94	6,335.11	6,245.55	89.56	70.737		
2,400.00	2,362.63	2,404.37	2,395.63	11.52	82.26	-122.30	1,804.72	-5,879.94	6,346.40	6,252.82	93.58	67.817		
2,500.00	2,460.43	2,506.57	2,493.43	11.99	85.82	-122.45	1,804.72	-5,879.94	6,357.75	6,260.14	97.61	65.136		
2,600.00	2,558.23	2,608.77	2,591.23	12.47	89.39	-122.61	1,804.72	-5,879.94	6,369.15	6,267.51	101.63	62.668		
2,700.00	2,656.03	2,689.03	2,689.03	12.94	92.19	-122.77	1,804.72	-5,879.94	6,380.59	6,275.69	104.90	60.827		
2,800.00	2,753.83	2,786.83	2,786.83	13.42	95.60	-122.92	1,804.72	-5,879.94	6,392.08	6,283.31	108.77	58.765		
2,900.00	2,851.63	2,884.63	2,884.63	13.90	99.01	-123.07	1,804.72	-5,879.94	6,403.62	6,290.97	112.65	56.845		
3,000.00	2,949.43	2,982.43	2,982.43	14.38	102.42	-123.23	1,804.72	-5,879.94	6,415.20	6,298.67	116.53	55.052		
3,100.00	3,047.23	3,080.23	3,080.23	14.87	105.84	-123.38	1,804.72	-5,879.94	6,426.84	6,306.43	120.41	53.375		
3,200.00	3,145.03	3,178.03	3,178.03	15.35	109.25	-123.53	1,804.72	-5,879.94	6,438.51	6,314.22	124.29	51.802		
3,300.00	3,242.83	3,275.83	3,275.83	15.83	112.66	-123.69	1,804.72	-5,879.94	6,450.24	6,322.07	128.17	50.325		
3,400.00	3,340.63	3,373.63	3,373.63	16.32	116.07	-123.84	1,804.72	-5,879.94	6,462.01	6,329.96	132.05	48.935		
3,500.00	3,438.43	3,471.43	3,471.43	16.80	119.49	-123.99	1,804.72	-5,879.94	6,473.83	6,337.89	135.94	47.624		
3,600.00	3,536.23	3,569.23	3,569.23	17.29	122.90	-124.14	1,804.72	-5,879.94	6,485.69	6,345.87	139.82	46.386		
3,700.00	3,634.03	3,667.03	3,667.03	17.78	126.31	-124.29	1,804.72	-5,879.94	6,497.60	6,353.89	143.70	45.215		
3,800.00	3,731.83	3,764.83	3,764.83	18.26	129.73	-124.44	1,804.72	-5,879.94	6,509.55	6,361.96	147.59	44.106		
3,900.00	3,829.63	3,862.63	3,862.63	18.75	133.14	-124.59	1,804.72	-5,879.94	6,521.55	6,370.07	151.47	43.054		
4,000.00	3,927.43	3,960.43	3,960.43	19.24	136.55	-124.74	1,804.72	-5,879.94	6,533.59	6,378.23	155.36	42.055		
4,100.00	4,025.23	4,058.23	4,058.23	19.73	139.97	-124.88	1,804.72	-5,879.94	6,545.67	6,386.43	159.24	41.105		
4,200.00	4,123.03	4,156.03	4,156.03	20.22	143.38	-125.03	1,804.72	-5,879.94	6,557.81	6,394.68	163.13	40.200		
4,300.00	4,220.83	4,253.83	4,253.83	20.71	146.79	-125.18	1,804.72	-5,879.94	6,569.98	6,402.97	167.01	39.338		
4,400.00	4,318.63	4,351.63	4,351.63	21.20	150.21	-125.32	1,804.72	-5,879.94	6,582.20	6,411.30	170.90	38.515		
4,500.00	4,416.43	4,449.43	4,449.43	21.69	153.62	-125.47	1,804.72	-5,879.94	6,594.46	6,419.67	174.79	37.729		
4,600.00	4,514.23	4,547.23	4,547.23	22.18	157.03	-125.62	1,804.72	-5,879.94	6,606.76	6,428.09	178.67	36.977		
4,700.00	4,612.03	4,645.03	4,645.03	22.67	160.45	-125.76	1,804.72	-5,879.94	6,619.11	6,436.55	182.56	36.257		
4,800.00	4,709.83	4,742.83	4,742.83	23.16	163.86	-125.90	1,804.72	-5,879.94	6,631.50	6,445.05	186.45	35.568		
4,900.00	4,807.63	4,840.63	4,840.63	23.65	167.27	-126.05	1,804.72	-5,879.94	6,643.93	6,453.60	190.33	34.907		
5,000.00	4,905.43	4,938.43	4,938.43	24.14	170.69	-126.19	1,804.72	-5,879.94	6,656.41	6,462.19	194.22	34.272		
5,100.00	5,003.23	5,036.23	5,036.23	24.63	174.10	-126.33	1,804.72	-5,879.94	6,668.92	6,470.81	198.11	33.663		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,134.03	5,134.03	25.12	177.51	-126.48	1,804.72	-5,879.94	6,681.48	6,479.49	201.99	33.077		
5,300.00	5,198.83	5,231.83	5,231.83	25.62	180.93	-126.62	1,804.72	-5,879.94	6,694.08	6,488.20	205.88	32.514		
5,400.00	5,296.63	5,329.63	5,329.63	26.11	184.34	-126.76	1,804.72	-5,879.94	6,706.72	6,496.95	209.77	31.972		
5,500.00	5,394.43	5,427.43	5,427.43	26.60	187.76	-126.90	1,804.72	-5,879.94	6,719.40	6,505.74	213.66	31.449		
5,600.00	5,492.23	5,525.23	5,525.23	27.09	191.17	-127.04	1,804.72	-5,879.94	6,732.12	6,514.58	217.54	30.946		
5,700.00	5,590.03	5,623.03	5,623.03	27.58	194.58	-127.18	1,804.72	-5,879.94	6,744.89	6,523.45	221.43	30.460		
5,800.00	5,687.83	5,720.83	5,720.83	28.08	198.00	-127.32	1,804.72	-5,879.94	6,757.69	6,532.37	225.32	29.992		
5,900.00	5,785.63	5,818.63	5,818.63	28.57	201.41	-127.46	1,804.72	-5,879.94	6,770.53	6,541.33	229.21	29.539		
6,000.00	5,883.43	5,916.43	5,916.43	29.06	204.82	-127.59	1,804.72	-5,879.94	6,783.42	6,550.32	233.09	29.102		
6,100.00	5,981.23	6,014.23	6,014.23	29.56	208.24	-127.73	1,804.72	-5,879.94	6,796.34	6,559.36	236.98	28.679		
6,200.00	6,079.04	6,112.04	6,112.04	30.05	211.65	-127.87	1,804.72	-5,879.94	6,809.30	6,568.43	240.87	28.270		
6,300.00	6,176.84	6,209.84	6,209.84	30.54	215.07	-128.00	1,804.72	-5,879.94	6,822.30	6,577.54	244.76	27.874		
6,409.71	6,284.13	6,317.13	6,317.13	31.08	218.81	-128.15	1,804.72	-5,879.94	6,836.61	6,587.59	249.02	27.454		
6,450.00	6,323.71	6,356.71	6,356.71	31.28	220.19	-114.12	1,804.72	-5,879.94	6,840.63	6,590.04	250.59	27.298		
6,500.00	6,373.15	6,406.15	6,406.15	31.50	221.92	-86.69	1,804.72	-5,879.94	6,842.15	6,589.62	252.54	27.094		
6,550.00	6,422.65	6,455.65	6,455.65	31.70	223.65	-55.63	1,804.72	-5,879.94	6,839.83	6,585.36	254.46	26.879		
6,600.00	6,471.92	6,504.92	6,504.92	31.89	225.37	-34.14	1,804.72	-5,879.94	6,833.66	6,577.30	256.37	26.656		
6,650.00	6,520.65	6,553.65	6,553.65	32.07	227.07	-21.74	1,804.72	-5,879.94	6,823.70	6,565.46	258.23	26.425		
6,700.00	6,568.54	6,601.54	6,601.54	32.25	228.74	-14.26	1,804.72	-5,879.94	6,809.99	6,549.93	260.05	26.187		
6,750.00	6,615.30	6,648.30	6,648.30	32.43	230.37	-9.32	1,804.72	-5,879.94	6,792.62	6,530.80	261.82	25.944		
6,800.00	6,660.63	6,693.63	6,693.63	32.61	232.40	-5.77	1,804.72	-5,879.94	6,771.70	6,507.73	263.97	25.654		
6,850.00	6,704.26	6,737.26	6,737.26	32.80	233.48	-2.99	1,804.72	-5,879.94	6,747.35	6,482.20	265.15	25.447		
6,900.00	6,745.92	6,778.92	6,778.92	33.00	234.93	-0.66	1,804.72	-5,879.94	6,719.73	6,453.03	266.70	25.196		
6,950.00	6,785.34	6,818.34	6,818.34	33.21	236.31	1.43	1,804.72	-5,879.94	6,689.01	6,420.85	268.15	24.945		
7,000.00	6,822.30	6,855.30	6,855.30	33.44	237.60	3.46	1,804.72	-5,879.94	6,655.36	6,385.85	269.51	24.694		
7,050.00	6,856.55	6,889.55	6,889.55	33.69	238.79	5.54	1,804.72	-5,879.94	6,619.01	6,348.25	270.76	24.446		
7,100.00	6,887.90	6,920.90	6,920.90	33.97	239.89	7.82	1,804.72	-5,879.94	6,580.17	6,308.27	271.91	24.200		
7,150.00	6,916.14	6,949.14	6,949.14	34.28	240.87	10.47	1,804.72	-5,879.94	6,539.10	6,266.17	272.93	23.959		
7,200.00	6,941.10	6,974.10	6,974.10	34.62	241.74	13.72	1,804.72	-5,879.94	6,496.03	6,222.20	273.83	23.723		
7,250.00	6,962.63	7,004.37	6,995.63	35.00	242.80	17.93	1,804.72	-5,879.94	6,451.24	6,176.33	274.91	23.466		
7,300.00	6,980.59	7,013.59	7,013.59	35.43	243.12	23.66	1,804.72	-5,879.94	6,405.01	6,129.76	275.26	23.269		
7,350.00	6,994.88	7,027.88	7,027.88	35.89	243.62	31.89	1,804.72	-5,879.94	6,357.63	6,081.85	275.78	23.054		
7,400.00	7,005.41	7,038.41	7,038.41	36.39	243.99	44.15	1,804.72	-5,879.94	6,309.38	6,033.22	276.16	22.847		
7,450.00	7,012.10	7,045.10	7,045.10	36.93	244.22	62.09	1,804.72	-5,879.94	6,260.58	5,984.16	276.42	22.649		
7,500.00	7,014.93	7,047.93	7,047.93	37.50	244.32	84.76	1,804.72	-5,879.94	6,211.51	5,934.97	276.54	22.461		
7,517.56	7,015.00	7,048.00	7,048.00	37.70	244.32	92.80	1,804.72	-5,879.94	6,194.28	5,917.73	276.55	22.398		
7,600.00	7,014.21	7,047.21	7,047.21	38.74	244.29	92.76	1,804.72	-5,879.94	6,113.42	5,836.84	276.58	22.104		
7,700.00	7,013.24	7,046.24	7,046.24	40.15	244.26	92.72	1,804.72	-5,879.94	6,015.40	5,738.77	276.63	21.746		
7,800.00	7,012.28	7,045.28	7,045.28	41.71	244.23	92.67	1,804.72	-5,879.94	5,917.44	5,640.75	276.69	21.387		
7,900.00	7,011.31	7,044.31	7,044.31	43.40	244.19	92.63	1,804.72	-5,879.94	5,819.55	5,542.78	276.77	21.027		
8,000.00	7,010.35	7,043.35	7,043.35	45.21	244.16	92.58	1,804.72	-5,879.94	5,721.73	5,444.87	276.86	20.666		
8,100.00	7,009.38	7,042.38	7,042.38	47.12	244.13	92.53	1,804.72	-5,879.94	5,623.99	5,347.01	276.98	20.305		
8,200.00	7,008.42	7,041.42	7,041.42	49.12	244.09	92.49	1,804.72	-5,879.94	5,526.33	5,249.21	277.12	19.942		
8,300.00	7,007.45	7,040.45	7,040.45	51.21	244.06	92.44	1,804.72	-5,879.94	5,428.76	5,151.48	277.28	19.578		
8,400.00	7,006.49	7,039.49	7,039.49	53.36	244.03	92.40	1,804.72	-5,879.94	5,331.28	5,053.81	277.47	19.214		
8,500.00	7,005.52	7,038.52	7,038.52	55.57	243.99	92.35	1,804.72	-5,879.94	5,233.89	4,956.20	277.68	18.848		
8,600.00	7,004.56	7,037.56	7,037.56	57.84	243.96	92.30	1,804.72	-5,879.94	5,136.60	4,858.67	277.93	18.482		
8,700.00	7,003.59	7,036.59	7,036.59	60.16	243.92	92.26	1,804.72	-5,879.94	5,039.41	4,761.21	278.20	18.114		
8,800.00	7,002.63	7,035.63	7,035.63	62.52	243.89	92.21	1,804.72	-5,879.94	4,942.34	4,663.83	278.51	17.746		
8,900.00	7,001.66	7,034.66	7,034.66	64.92	243.86	92.17	1,804.72	-5,879.94	4,845.39	4,566.54	278.86	17.376		
9,000.00	7,000.70	7,033.70	7,033.70	67.35	243.82	92.12	1,804.72	-5,879.94	4,748.57	4,469.33	279.24	17.005		
9,100.00	6,999.73	7,032.73	7,032.73	69.81	243.79	92.07	1,804.72	-5,879.94	4,651.87	4,372.21	279.66	16.634		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,031.77	7,031.77	72.31	243.76	92.03	1,804.72	-5,879.94	4,555.32	4,275.19	280.13	16.261		
9,300.00	6,997.80	7,030.80	7,030.80	74.82	243.72	91.98	1,804.72	-5,879.94	4,458.93	4,178.28	280.65	15.888		
9,400.00	6,996.84	7,029.84	7,029.84	77.36	243.69	91.93	1,804.72	-5,879.94	4,362.69	4,081.47	281.22	15.514		
9,500.00	6,995.88	7,028.88	7,028.88	79.92	243.66	91.89	1,804.72	-5,879.94	4,266.63	3,984.79	281.84	15.138		
9,600.00	6,994.91	7,027.91	7,027.91	82.49	243.62	91.84	1,804.72	-5,879.94	4,170.75	3,888.23	282.53	14.762		
9,700.00	6,993.95	7,026.95	7,026.95	85.09	243.59	91.80	1,804.72	-5,879.94	4,075.07	3,791.80	283.27	14.386		
9,800.00	6,992.98	7,025.98	7,025.98	87.70	243.55	91.75	1,804.72	-5,879.94	3,979.61	3,695.52	284.09	14.008		
9,900.00	6,992.02	7,025.02	7,025.02	90.32	243.52	91.70	1,804.72	-5,879.94	3,884.37	3,599.39	284.98	13.630		
10,000.00	6,991.05	7,024.05	7,024.05	92.95	243.49	91.66	1,804.72	-5,879.94	3,789.37	3,503.43	285.94	13.252		
10,100.00	6,990.09	7,023.09	7,023.09	95.60	243.45	91.61	1,804.72	-5,879.94	3,694.64	3,407.65	286.99	12.874		
10,200.00	6,989.12	7,022.12	7,022.12	98.26	243.42	91.57	1,804.72	-5,879.94	3,600.20	3,312.06	288.13	12.495		
10,300.00	6,988.16	7,021.16	7,021.16	100.92	243.39	91.52	1,804.72	-5,879.94	3,506.06	3,216.69	289.37	12.116		
10,400.00	6,987.19	7,020.19	7,020.19	103.60	243.35	91.47	1,804.72	-5,879.94	3,412.25	3,121.54	290.71	11.738		
10,500.00	6,986.23	7,019.23	7,019.23	106.28	243.32	91.43	1,804.72	-5,879.94	3,318.81	3,026.64	292.17	11.359		
10,600.00	6,985.26	7,018.26	7,018.26	108.98	243.28	91.38	1,804.72	-5,879.94	3,225.76	2,932.02	293.74	10.982		
10,700.00	6,984.30	7,017.30	7,017.30	111.68	243.25	91.34	1,804.72	-5,879.94	3,133.14	2,837.70	295.44	10.605		
10,800.00	6,983.33	7,016.33	7,016.33	114.38	243.22	91.29	1,804.72	-5,879.94	3,040.98	2,743.70	297.28	10.229		
10,900.00	6,982.37	7,015.37	7,015.37	117.09	243.18	91.24	1,804.72	-5,879.94	2,949.34	2,650.07	299.27	9.855		
11,000.00	6,981.40	7,014.40	7,014.40	119.81	243.15	91.20	1,804.72	-5,879.94	2,858.25	2,556.83	301.42	9.483		
11,100.00	6,980.44	7,013.44	7,013.44	122.54	243.12	91.15	1,804.72	-5,879.94	2,767.78	2,464.04	303.74	9.112		
11,200.00	6,979.47	7,012.47	7,012.47	125.26	243.08	91.10	1,804.72	-5,879.94	2,677.99	2,371.74	306.25	8.744		
11,300.00	6,978.51	7,011.51	7,011.51	128.00	243.05	91.06	1,804.72	-5,879.94	2,588.95	2,279.98	308.97	8.379		
11,400.00	6,977.54	7,010.54	7,010.54	130.73	243.02	91.01	1,804.72	-5,879.94	2,500.73	2,188.84	311.90	8.018		
11,500.00	6,976.58	7,009.58	7,009.58	133.48	242.98	90.97	1,804.72	-5,879.94	2,413.44	2,098.38	315.06	7.660		
11,600.00	6,975.62	7,008.62	7,008.62	136.22	242.95	90.92	1,804.72	-5,879.94	2,327.16	2,008.69	318.48	7.307		
11,700.00	6,974.65	7,007.65	7,007.65	138.97	242.91	90.87	1,804.72	-5,879.94	2,242.03	1,919.87	322.16	6.959		
11,800.00	6,973.69	7,006.69	7,006.69	141.73	242.88	90.83	1,804.72	-5,879.94	2,158.17	1,832.03	326.14	6.617		
11,900.00	6,972.72	7,005.72	7,005.72	144.48	242.85	90.78	1,804.72	-5,879.94	2,075.74	1,745.31	330.43	6.282		
12,000.00	6,971.76	7,004.76	7,004.76	147.24	242.81	90.74	1,804.72	-5,879.94	1,994.92	1,659.87	335.05	5.954		
12,100.00	6,970.79	7,003.79	7,003.79	150.00	242.78	90.69	1,804.72	-5,879.94	1,915.91	1,575.90	340.01	5.635		
12,200.00	6,969.83	7,002.83	7,002.83	152.77	242.75	90.64	1,804.72	-5,879.94	1,838.94	1,493.60	345.34	5.325		
12,300.00	6,968.86	7,001.86	7,001.86	155.54	242.71	90.60	1,804.72	-5,879.94	1,764.28	1,413.24	351.04	5.026		
12,400.00	6,967.90	7,000.90	7,000.90	158.31	242.68	90.55	1,804.72	-5,879.94	1,692.24	1,335.12	357.13	4.738		
12,500.00	6,966.93	7,000.07	6,999.93	161.08	242.65	90.51	1,804.72	-5,879.94	1,623.17	1,259.58	363.58	4.464		
12,600.00	6,965.97	7,001.03	6,998.97	163.85	242.68	90.46	1,804.72	-5,879.94	1,557.45	1,187.00	370.46	4.204		
12,700.00	6,965.00	7,002.00	6,998.00	166.63	242.72	90.41	1,804.72	-5,879.94	1,495.54	1,117.91	377.63	3.960		
12,800.00	6,964.04	7,002.96	6,997.04	169.41	242.75	90.37	1,804.72	-5,879.94	1,437.93	1,052.87	385.05	3.734		
12,900.00	6,963.07	7,003.93	6,996.07	172.19	242.78	90.32	1,804.72	-5,879.94	1,385.14	992.53	392.61	3.528		
13,000.00	6,962.11	7,004.89	6,995.11	174.97	242.82	90.27	1,804.72	-5,879.94	1,337.76	937.58	400.18	3.343		
13,100.00	6,961.14	7,005.86	6,994.14	177.76	242.85	90.23	1,804.72	-5,879.94	1,296.37	888.78	407.59	3.181		
13,200.00	6,960.18	7,006.82	6,993.18	180.54	242.89	90.18	1,804.72	-5,879.94	1,261.57	846.94	414.63	3.043		
13,300.00	6,959.21	7,007.79	6,992.21	183.33	242.92	90.14	1,804.72	-5,879.94	1,233.91	812.83	421.08	2.930		
13,400.00	6,958.25	7,008.75	6,991.25	186.12	242.95	90.09	1,804.72	-5,879.94	1,213.88	787.17	426.71	2.845		
13,500.00	6,957.28	7,009.72	6,990.28	188.91	242.99	90.04	1,804.72	-5,879.94	1,201.87	770.56	431.31	2.787		
13,595.15	6,956.37	6,989.37	6,989.37	191.56	242.28	90.00	1,804.72	-5,879.94	1,198.09	764.25	433.84	2.762 CC		
13,600.00	6,956.32	6,989.32	6,989.32	191.70	242.27	90.00	1,804.72	-5,879.94	1,198.10	764.13	433.97	2.761 ES		
13,700.00	6,955.35	6,988.35	6,988.35	194.49	242.24	89.95	1,804.72	-5,879.94	1,202.67	766.65	436.03	2.758 SF		
13,800.00	6,954.39	6,987.39	6,987.39	197.29	242.21	89.91	1,804.72	-5,879.94	1,215.48	778.70	436.78	2.783		
13,900.00	6,953.43	6,986.43	6,986.43	200.08	242.17	89.86	1,804.72	-5,879.94	1,236.27	799.97	436.30	2.834		
14,000.00	6,952.46	6,985.46	6,985.46	202.88	242.14	89.81	1,804.72	-5,879.94	1,264.64	829.94	434.70	2.909		
14,100.00	6,951.50	6,984.50	6,984.50	205.68	242.11	89.77	1,804.72	-5,879.94	1,300.11	867.94	432.17	3.008		
14,200.00	6,950.53	6,983.53	6,983.53	208.48	242.07	89.72	1,804.72	-5,879.94	1,342.10	913.21	428.89	3.129		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design											Boomerang 21-5 - LA POUDRE SOUTH #4 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
14,300.00	6,949.57	6,982.57	6,982.57	211.28	242.04	89.67	1,804.72	-5,879.94	1,390.03	964.98	425.05	3.270		
14,400.00	6,948.60	6,981.60	6,981.60	214.08	242.00	89.63	1,804.72	-5,879.94	1,443.31	1,022.48	420.83	3.430		
14,500.00	6,947.64	6,980.64	6,980.64	216.88	241.97	89.58	1,804.72	-5,879.94	1,501.37	1,084.99	416.38	3.606		
14,600.00	6,946.67	6,979.67	6,979.67	219.68	241.94	89.54	1,804.72	-5,879.94	1,563.67	1,151.84	411.82	3.797		
14,700.00	6,945.71	6,978.71	6,978.71	222.49	241.90	89.49	1,804.72	-5,879.94	1,629.73	1,222.47	407.25	4.002		
14,800.00	6,944.74	6,977.74	6,977.74	225.29	241.87	89.44	1,804.72	-5,879.94	1,699.10	1,296.36	402.75	4.219		
14,900.00	6,943.78	6,976.78	6,976.78	228.10	241.84	89.40	1,804.72	-5,879.94	1,771.41	1,373.06	398.35	4.447		
15,000.00	6,942.81	6,975.81	6,975.81	230.90	241.80	89.35	1,804.72	-5,879.94	1,846.31	1,452.20	394.10	4.685		
15,100.00	6,941.85	6,974.85	6,974.85	233.71	241.77	89.31	1,804.72	-5,879.94	1,923.48	1,533.46	390.02	4.932		
15,200.00	6,940.88	6,973.88	6,973.88	236.52	241.74	89.26	1,804.72	-5,879.94	2,002.68	1,616.55	386.13	5.187		
15,300.00	6,939.92	6,972.92	6,972.92	239.32	241.70	89.21	1,804.72	-5,879.94	2,083.67	1,701.24	382.43	5.449		
15,400.00	6,938.95	6,971.95	6,971.95	242.13	241.67	89.17	1,804.72	-5,879.94	2,166.24	1,787.33	378.91	5.717		
15,500.00	6,937.99	6,970.99	6,970.99	244.94	241.63	89.12	1,804.72	-5,879.94	2,250.23	1,874.65	375.58	5.991		
15,600.00	6,937.02	6,970.02	6,970.02	247.75	241.60	89.08	1,804.72	-5,879.94	2,335.48	1,963.05	372.43	6.271		
15,706.13	6,936.00	6,969.00	6,969.00	250.74	241.57	89.03	1,804.72	-5,879.94	2,427.19	2,057.91	369.28	6.573		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15,764.39	7,060.91	3.28	285.68	-1.40	1,497.49	-36.48	7,263.06					
100.00	100.00	15,764.35	7,060.91	3.28	285.68	-1.40	1,497.49	-36.52	7,165.24	7,049.56	115.68	61.941		
200.00	200.00	15,764.31	7,060.91	3.34	285.68	-1.40	1,497.49	-36.57	7,067.48	6,951.47	116.01	60.922		
300.00	300.00	15,764.27	7,060.91	3.44	285.68	-1.40	1,497.49	-36.61	6,969.78	6,853.42	116.36	59.900		
400.00	399.98	15,765.26	7,060.91	3.60	285.71	-55.87	1,497.52	-35.62	6,871.92	6,755.20	116.71	58.879		
500.00	499.84	15,768.31	7,060.91	3.81	285.81	-64.74	1,497.60	-32.57	6,773.73	6,656.66	117.06	57.865		
600.00	599.45	15,773.42	7,060.90	4.05	285.98	-74.93	1,497.74	-27.46	6,675.31	6,557.91	117.39	56.862		
700.00	698.70	15,780.60	7,060.90	4.33	286.21	-86.00	1,497.95	-20.28	6,576.77	6,459.06	117.71	55.872		
800.00	797.47	15,789.85	7,060.90	4.64	286.52	-97.24	1,498.24	-11.03	6,478.23	6,360.22	118.01	54.897		
902.00	897.58	15,801.43	7,060.89	4.98	286.90	-108.04	1,498.61	0.54	6,377.81	6,259.53	118.28	53.919		
1,000.00	993.42	15,814.00	7,060.88	5.33	287.31	-107.73	1,499.05	13.10	6,281.43	6,162.88	118.55	52.985		
1,100.00	1,091.22	15,830.07	7,060.88	5.71	287.84	-107.32	1,499.61	29.17	6,183.11	6,064.22	118.88	52.010		
1,200.00	1,189.02	15,846.66	7,060.88	6.11	288.38	-106.88	1,500.16	45.74	6,084.79	5,965.56	119.23	51.033		
1,300.00	1,286.82	15,863.25	7,060.88	6.53	288.93	-106.44	1,500.68	62.33	5,986.49	5,866.89	119.60	50.056		
1,400.00	1,384.62	15,879.85	7,060.89	6.95	289.47	-105.99	1,501.17	78.92	5,888.20	5,768.22	119.97	49.080		
1,500.00	1,482.42	15,896.45	7,060.90	7.38	290.02	-105.52	1,501.63	95.51	5,789.92	5,669.56	120.36	48.105		
1,600.00	1,580.22	15,913.06	7,060.91	7.83	290.56	-105.05	1,502.06	112.11	5,691.66	5,570.89	120.76	47.130		
1,700.00	1,678.03	15,929.67	7,060.93	8.27	291.11	-104.56	1,502.47	128.72	5,593.41	5,472.22	121.18	46.156		
1,800.00	1,775.83	15,946.29	7,060.96	8.72	291.65	-104.07	1,502.84	145.34	5,495.17	5,373.55	121.62	45.183		
1,900.00	1,873.63	15,959.78	7,060.98	9.18	292.10	-103.65	1,503.17	158.82	5,396.97	5,274.93	122.03	44.226		
2,000.00	1,971.43	15,974.24	7,061.00	9.64	292.57	-103.19	1,503.53	173.27	5,298.78	5,176.30	122.47	43.264		
2,100.00	2,069.23	15,988.71	7,061.01	10.11	293.05	-102.73	1,503.93	187.74	5,200.62	5,077.68	122.94	42.302		
2,200.00	2,167.03	16,003.19	7,061.03	10.57	293.52	-102.25	1,504.34	202.22	5,102.48	4,979.06	123.43	41.340		
2,300.00	2,264.83	16,017.68	7,061.04	11.04	294.00	-101.75	1,504.78	216.70	5,004.38	4,880.44	123.94	40.378		
2,400.00	2,362.63	16,032.19	7,061.05	11.52	294.48	-101.25	1,505.24	231.20	4,906.30	4,781.83	124.47	39.416		
2,500.00	2,460.43	16,049.54	7,061.06	11.99	295.05	-100.62	1,505.80	248.54	4,808.25	4,683.17	125.08	38.442		
2,600.00	2,558.23	16,067.01	7,061.06	12.47	295.62	-99.98	1,506.35	266.00	4,710.23	4,584.52	125.71	37.468		
2,700.00	2,656.03	16,084.43	7,061.07	12.94	296.19	-99.32	1,506.87	283.41	4,612.23	4,485.85	126.37	36.496		
2,800.00	2,753.83	16,101.79	7,061.07	13.42	296.76	-98.64	1,507.38	300.77	4,514.26	4,387.19	127.07	35.527		
2,900.00	2,851.63	16,119.11	7,061.08	13.90	297.33	-97.95	1,507.86	318.08	4,416.31	4,288.52	127.79	34.559		
3,000.00	2,949.43	16,136.38	7,061.08	14.38	297.90	-97.23	1,508.32	335.34	4,318.40	4,189.85	128.55	33.593		
3,100.00	3,047.23	16,153.59	7,061.08	14.87	298.47	-96.50	1,508.76	352.55	4,220.53	4,091.18	129.35	32.629		
3,200.00	3,145.03	16,168.87	7,061.08	15.35	298.97	-95.84	1,509.15	367.83	4,122.69	3,992.53	130.16	31.675		
3,300.00	3,242.83	16,175.00	7,061.08	15.83	299.17	-95.57	1,509.30	373.95	4,024.91	3,894.03	130.88	30.754		
3,400.00	3,340.63	16,175.00	7,061.08	16.32	299.17	-95.57	1,509.30	373.95	3,927.24	3,795.69	131.55	29.853		
3,500.00	3,438.43	16,175.00	7,061.08	16.80	299.17	-95.57	1,509.30	373.95	3,829.69	3,697.41	132.27	28.953		
3,600.00	3,536.23	16,175.00	7,061.08	17.29	299.17	-95.57	1,509.30	373.95	3,732.26	3,599.22	133.05	28.052		
3,700.00	3,634.03	16,175.00	7,061.08	17.78	299.17	-95.57	1,509.30	373.95	3,634.98	3,501.11	133.87	27.152		
3,800.00	3,731.83	16,175.00	7,061.08	18.26	299.17	-95.57	1,509.30	373.95	3,537.85	3,403.09	134.76	26.253		
3,900.00	3,829.63	16,175.00	7,061.08	18.75	299.17	-95.57	1,509.30	373.95	3,440.88	3,305.17	135.71	25.355		
4,000.00	3,927.43	16,175.00	7,061.08	19.24	299.17	-95.57	1,509.30	373.95	3,344.09	3,207.37	136.72	24.459		
4,100.00	4,025.23	16,175.00	7,061.08	19.73	299.17	-95.57	1,509.30	373.95	3,247.50	3,109.69	137.81	23.565		
4,200.00	4,123.03	16,175.00	7,061.08	20.22	299.17	-95.57	1,509.30	373.95	3,151.12	3,012.15	138.97	22.674		
4,300.00	4,220.83	16,175.00	7,061.08	20.71	299.17	-95.57	1,509.30	373.95	3,054.97	2,914.75	140.22	21.787		
4,400.00	4,318.63	16,175.00	7,061.08	21.20	299.17	-95.57	1,509.30	373.95	2,959.08	2,817.52	141.55	20.904		
4,500.00	4,416.43	16,175.00	7,061.08	21.69	299.17	-95.57	1,509.30	373.95	2,863.47	2,720.48	142.99	20.026		
4,600.00	4,514.23	16,175.00	7,061.08	22.18	299.17	-95.57	1,509.30	373.95	2,768.17	2,623.64	144.52	19.154		
4,700.00	4,612.03	16,175.00	7,061.08	22.67	299.17	-95.57	1,509.30	373.95	2,673.21	2,527.04	146.17	18.288		
4,800.00	4,709.83	16,175.00	7,061.08	23.16	299.17	-95.57	1,509.30	373.95	2,578.63	2,430.69	147.94	17.430		
4,900.00	4,807.63	16,175.00	7,061.08	23.65	299.17	-95.57	1,509.30	373.95	2,484.48	2,334.63	149.85	16.580		
5,000.00	4,905.43	16,175.00	7,061.08	24.14	299.17	-95.57	1,509.30	373.95	2,390.80	2,238.90	151.90	15.739		
5,100.00	5,003.23	16,175.00	7,061.08	24.63	299.17	-95.57	1,509.30	373.95	2,297.65	2,143.54	154.12	14.909		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	16,175.00	7,061.08	25.12	299.17	-95.57	1,509.30	373.95	2,205.11	2,048.61	156.50	14.090		
5,300.00	5,198.83	16,175.00	7,061.08	25.62	299.17	-95.57	1,509.30	373.95	2,113.25	1,954.16	159.09	13.284		
5,400.00	5,296.63	16,175.00	7,061.08	26.11	299.17	-95.57	1,509.30	373.95	2,022.15	1,860.27	161.88	12.492		
5,500.00	5,394.43	16,175.00	7,061.08	26.60	299.17	-95.57	1,509.30	373.95	1,931.94	1,767.04	164.91	11.715		
5,600.00	5,492.23	16,175.00	7,061.08	27.09	299.17	-95.57	1,509.30	373.95	1,842.74	1,674.56	168.18	10.957		
5,700.00	5,590.03	16,175.00	7,061.08	27.58	299.17	-95.57	1,509.30	373.95	1,754.71	1,582.97	171.73	10.218		
5,800.00	5,687.83	16,175.00	7,061.08	28.08	299.17	-95.57	1,509.30	373.95	1,668.02	1,492.44	175.58	9.500		
5,900.00	5,785.63	16,175.00	7,061.08	28.57	299.17	-95.57	1,509.30	373.95	1,582.90	1,403.15	179.75	8.806		
6,000.00	5,883.43	16,175.00	7,061.08	29.06	299.17	-95.57	1,509.30	373.95	1,499.63	1,315.38	184.25	8.139		
6,100.00	5,981.23	16,175.00	7,061.08	29.56	299.17	-95.57	1,509.30	373.95	1,418.51	1,229.43	189.08	7.502		
6,200.00	6,079.04	16,175.00	7,061.08	30.05	299.17	-95.57	1,509.30	373.95	1,339.95	1,145.70	194.25	6.898		
6,300.00	6,176.84	16,175.00	7,061.08	30.54	299.17	-95.57	1,509.30	373.95	1,264.42	1,064.71	199.72	6.331		
6,409.71	6,284.13	16,175.00	7,061.08	31.08	299.17	-95.57	1,509.30	373.95	1,185.74	979.76	205.98	5.757		
6,450.00	6,323.71	16,175.00	7,061.08	31.28	299.17	-78.90	1,509.30	373.95	1,157.44	949.02	208.42	5.553		
6,500.00	6,373.15	16,175.00	7,061.08	31.50	299.17	-47.96	1,509.30	373.95	1,121.57	909.81	211.76	5.296		
6,550.00	6,422.65	16,175.00	7,061.08	31.70	299.17	-13.11	1,509.30	373.95	1,085.00	869.52	215.48	5.035		
6,600.00	6,471.92	16,175.00	7,061.08	31.89	299.17	12.41	1,509.30	373.95	1,047.89	828.27	219.63	4.771		
6,650.00	6,520.65	16,175.00	7,061.08	32.07	299.17	29.06	1,509.30	373.95	1,010.43	786.18	224.25	4.506		
6,700.00	6,568.54	16,175.00	7,061.08	32.25	299.17	40.95	1,509.30	373.95	972.82	743.43	229.39	4.241		
6,750.00	6,615.30	16,175.00	7,061.08	32.43	299.17	50.36	1,509.30	373.95	935.28	700.18	235.09	3.978		
6,800.00	6,660.63	16,175.00	7,061.08	32.61	299.17	58.33	1,509.30	373.95	898.07	656.68	241.39	3.720		
6,850.00	6,704.26	16,175.00	7,061.08	32.80	299.17	65.32	1,509.30	373.95	861.48	613.17	248.31	3.469		
6,900.00	6,745.92	16,175.00	7,061.08	33.00	299.17	71.55	1,509.30	373.95	825.83	569.98	255.86	3.228		
6,950.00	6,785.34	16,175.00	7,061.08	33.21	299.17	77.09	1,509.30	373.95	791.49	527.50	263.99	2.998		
7,000.00	6,822.30	16,175.00	7,061.08	33.44	299.17	81.97	1,509.30	373.95	758.85	486.20	272.65	2.783		
7,050.00	6,856.55	16,175.00	7,061.08	33.69	299.17	86.22	1,509.30	373.95	728.36	446.65	281.70	2.586		
7,100.00	6,887.90	16,175.00	7,061.08	33.97	299.17	89.85	1,509.30	373.95	700.49	409.54	290.96	2.408		
7,150.00	6,916.14	16,175.00	7,061.08	34.28	299.17	92.88	1,509.30	373.95	675.77	375.63	300.14	2.252		
7,200.00	6,941.10	16,175.00	7,061.08	34.62	299.17	95.33	1,509.30	373.95	654.69	345.81	308.88	2.120		
7,250.00	6,962.63	16,175.00	7,061.08	35.00	299.17	97.22	1,509.30	373.95	637.77	320.99	316.78	2.013		
7,300.00	6,980.59	16,175.00	7,061.08	35.43	299.17	98.57	1,509.30	373.95	625.44	302.06	323.38	1.934		
7,350.00	6,994.88	16,175.00	7,061.08	35.89	299.17	99.41	1,509.30	373.95	618.05	289.77	328.28	1.883		
7,400.00	7,005.41	16,150.22	7,061.08	36.39	298.36	99.34	1,508.68	349.18	615.34	285.53	329.81	1.866 SF		
7,450.00	7,012.10	16,098.65	7,061.07	36.93	296.66	98.88	1,507.29	297.63	614.31	285.19	329.12	1.867 ES		
7,476.10	7,014.06	16,071.57	7,061.06	37.23	295.77	98.72	1,506.49	270.56	614.17	285.53	328.64	1.869 CC		
7,500.00	7,014.93	16,046.71	7,061.05	37.50	294.95	98.64	1,505.71	245.71	614.28	286.15	328.14	1.872		
7,517.56	7,015.00	16,028.89	7,061.05	37.70	294.37	98.61	1,505.14	227.90	614.51	286.74	327.76	1.875		
7,600.00	7,014.21	15,953.38	7,060.97	38.74	291.89	98.65	1,502.99	152.42	616.20	289.66	326.54	1.887		
7,700.00	7,013.24	15,846.57	7,060.88	40.15	288.38	98.70	1,500.15	45.65	618.42	294.21	324.21	1.907		
7,800.00	7,012.28	15,751.40	7,060.92	41.71	285.25	98.77	1,497.16	-49.47	620.20	297.42	322.77	1.921		
7,900.00	7,011.31	15,652.59	7,060.97	43.40	282.01	98.82	1,495.07	-148.26	622.98	301.74	321.24	1.939		
8,000.00	7,010.35	15,551.65	7,061.02	45.21	278.69	98.88	1,492.67	-249.17	625.49	305.81	319.68	1.957		
8,100.00	7,009.38	15,447.70	7,060.99	47.12	275.28	98.94	1,489.88	-353.09	627.71	309.68	318.03	1.974		
8,200.00	7,008.42	15,345.27	7,060.93	49.12	271.92	99.00	1,486.51	-455.46	629.31	312.76	316.56	1.988		
8,300.00	7,007.45	15,258.82	7,060.57	51.21	269.09	99.01	1,484.53	-541.88	631.84	315.63	316.21	1.998		
8,400.00	7,006.49	15,180.27	7,060.17	53.36	266.50	98.99	1,484.89	-620.42	637.09	320.91	316.18	2.015		
8,500.00	7,005.52	15,029.88	7,057.12	55.57	261.57	98.77	1,482.74	-770.69	640.28	328.01	312.27	2.050		
8,600.00	7,004.56	14,923.47	7,053.39	57.84	258.10	98.55	1,476.42	-876.85	638.73	327.80	310.94	2.054		
8,700.00	7,003.59	14,826.45	7,049.98	60.16	254.95	98.35	1,470.31	-973.61	636.85	326.47	310.38	2.052		
8,800.00	7,002.63	14,733.57	7,046.95	62.52	251.93	98.17	1,465.37	-1,066.31	635.97	325.81	310.16	2.050		
8,830.02	7,002.34	14,705.64	7,046.27	63.24	251.02	98.13	1,464.05	-1,094.20	635.92	325.84	310.08	2.051		
8,900.00	7,001.66	14,638.51	7,044.87	64.92	248.83	98.06	1,461.13	-1,161.25	636.10	326.37	309.73	2.054		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	14,542.70	7,043.23	67.35	245.70	97.99	1,457.38	-1,256.98	636.85	327.61	309.24	2.059		
9,100.00	6,999.73	14,436.56	7,043.41	69.81	242.24	98.08	1,453.15	-1,363.03	637.80	329.86	307.94	2.071		
9,200.00	6,998.77	14,328.70	7,043.86	72.31	238.73	98.23	1,447.18	-1,470.72	637.23	330.74	306.49	2.079		
9,300.00	6,997.80	14,218.27	7,044.13	74.82	235.16	98.37	1,439.59	-1,580.88	635.32	330.53	304.79	2.084		
9,400.00	6,996.84	14,110.76	7,044.28	77.36	231.70	98.53	1,430.54	-1,688.01	631.85	328.54	303.31	2.083		
9,500.00	6,995.88	14,011.68	7,044.44	79.92	228.52	98.69	1,421.77	-1,786.70	627.98	325.38	302.60	2.075		
9,600.00	6,994.91	13,916.44	7,044.63	82.49	225.46	98.84	1,413.63	-1,881.60	624.42	322.17	302.25	2.066		
9,700.00	6,993.95	13,825.74	7,044.86	85.09	222.54	98.97	1,407.11	-1,972.06	622.21	319.91	302.31	2.058		
9,800.00	6,992.98	13,733.81	7,045.18	87.70	219.57	99.10	1,401.58	-2,063.82	621.20	318.98	302.22	2.055		
9,811.04	6,992.87	13,724.25	7,045.21	87.99	219.26	99.11	1,401.10	-2,073.37	621.19	318.93	302.26	2.055		
9,900.00	6,992.02	13,645.27	7,045.48	90.32	216.70	99.19	1,397.91	-2,152.28	622.01	319.65	302.35	2.057		
10,000.00	6,991.05	13,552.10	7,045.98	92.95	213.67	99.30	1,395.12	-2,245.41	624.01	321.91	302.11	2.066		
10,100.00	6,990.09	13,462.24	7,046.19	95.60	210.74	99.34	1,394.13	-2,335.27	627.80	325.74	302.06	2.078		
10,200.00	6,989.12	13,359.68	7,046.25	98.26	207.40	99.39	1,392.81	-2,437.81	631.38	330.10	301.28	2.096		
10,300.00	6,988.16	13,274.90	7,046.45	100.92	204.63	99.41	1,393.13	-2,522.59	636.63	335.17	301.46	2.112		
10,400.00	6,987.19	13,174.95	7,046.67	103.60	201.36	99.42	1,394.76	-2,622.52	643.13	342.28	300.86	2.138		
10,500.00	6,986.23	13,052.85	7,047.06	106.28	197.39	99.48	1,394.59	-2,744.62	647.98	348.92	299.06	2.167		
10,600.00	6,985.26	12,930.85	7,047.35	108.98	193.45	99.59	1,389.65	-2,866.51	648.84	351.91	296.93	2.185		
10,700.00	6,984.30	12,834.43	7,047.44	111.68	190.35	99.69	1,384.40	-2,962.79	648.36	351.77	296.58	2.186		
10,700.69	6,984.29	12,834.43	7,047.45	111.69	190.35	99.69	1,384.39	-2,962.79	648.35	351.72	296.63	2.186		
10,800.00	6,983.33	12,734.96	7,047.47	114.38	187.15	99.78	1,379.50	-3,062.14	648.37	352.34	296.03	2.190		
10,900.00	6,982.37	12,619.46	7,047.56	117.09	183.46	99.91	1,372.22	-3,177.40	647.01	352.79	294.22	2.199		
11,000.00	6,981.40	12,516.87	7,047.67	119.81	180.20	100.05	1,364.69	-3,279.72	644.66	351.26	293.40	2.197		
11,100.00	6,980.44	12,407.58	7,047.88	122.54	176.74	100.23	1,355.23	-3,388.60	641.01	349.05	291.96	2.196		
11,200.00	6,979.47	12,321.09	7,047.97	125.26	174.00	100.37	1,347.53	-3,474.74	637.23	344.69	292.53	2.178		
11,245.47	6,979.04	12,288.91	7,047.72	126.51	172.98	100.38	1,345.64	-3,506.87	636.75	343.42	293.34	2.171		
11,300.00	6,978.51	12,247.30	7,047.11	128.00	171.65	100.35	1,344.20	-3,548.44	637.39	343.40	293.99	2.168		
11,400.00	6,977.54	12,156.92	7,045.07	130.73	168.74	100.20	1,343.03	-3,638.79	640.53	346.33	294.20	2.177		
11,500.00	6,976.58	12,026.56	7,041.76	133.48	164.58	99.99	1,338.48	-3,769.01	641.46	349.65	291.81	2.198		
11,600.00	6,975.62	11,918.97	7,039.24	136.22	161.18	99.89	1,331.22	-3,876.34	639.24	348.43	290.81	2.198		
11,700.00	6,974.65	11,830.72	7,037.66	138.97	158.39	99.85	1,325.58	-3,964.38	637.53	346.22	291.32	2.188		
11,721.78	6,974.44	11,812.43	7,037.51	139.57	157.81	99.85	1,324.66	-3,982.65	637.47	346.00	291.47	2.187		
11,800.00	6,973.69	11,748.34	7,037.24	141.73	155.77	99.87	1,322.23	-4,046.70	638.32	346.25	292.06	2.186		
11,900.00	6,972.72	11,660.14	7,036.75	144.48	152.96	99.86	1,321.07	-4,134.88	641.75	349.43	292.32	2.195		
12,000.00	6,971.76	11,563.83	7,036.52	147.24	149.89	99.86	1,320.57	-4,231.20	646.06	353.99	292.06	2.212		
12,100.00	6,970.79	11,458.92	7,036.53	150.00	146.54	99.87	1,320.25	-4,336.10	650.64	359.31	291.33	2.233		
12,200.00	6,969.83	11,355.32	7,036.63	152.77	143.26	99.92	1,318.58	-4,439.69	653.93	363.28	290.65	2.250		
12,300.00	6,968.86	11,258.32	7,036.61	155.54	140.19	99.95	1,317.21	-4,536.67	657.40	367.03	290.37	2.264		
12,400.00	6,967.90	11,162.81	7,035.51	158.31	137.16	99.88	1,316.60	-4,632.18	661.45	371.21	290.23	2.279		
12,500.00	6,966.93	11,050.41	7,033.67	161.08	133.62	99.75	1,315.62	-4,744.56	665.20	375.98	289.21	2.300		
12,600.00	6,965.97	10,946.83	7,031.97	163.85	130.38	99.65	1,313.10	-4,848.09	667.39	378.73	288.66	2.312		
12,700.00	6,965.00	10,848.32	7,030.47	166.63	127.31	99.58	1,310.51	-4,946.55	669.41	381.01	288.41	2.321		
12,800.00	6,964.04	10,749.71	7,029.03	169.41	124.24	99.49	1,308.67	-5,045.13	672.19	384.03	288.16	2.333		
12,900.00	6,963.07	10,580.69	7,024.73	172.19	119.11	99.32	1,297.04	-5,213.62	670.10	387.58	282.52	2.372		
13,000.00	6,962.11	10,463.72	7,022.46	174.97	115.72	99.38	1,279.87	-5,329.30	659.98	379.59	280.40	2.354		
13,100.00	6,961.14	10,383.09	7,021.59	177.76	113.39	99.48	1,268.83	-5,409.15	651.10	369.08	282.01	2.309		
13,200.00	6,960.18	10,291.70	7,020.94	180.54	110.74	99.60	1,257.78	-5,499.88	643.92	361.47	282.46	2.280		
13,300.00	6,959.21	10,217.84	7,021.18	183.33	108.58	99.73	1,250.90	-5,573.41	639.65	355.32	284.34	2.250		
13,400.00	6,958.25	10,130.25	7,022.44	186.12	106.00	99.94	1,245.34	-5,660.81	638.48	353.65	284.83	2.242		
13,428.49	6,957.97	10,103.64	7,022.88	186.91	105.22	100.00	1,243.92	-5,687.38	638.45	353.62	284.84	2.241		
13,500.00	6,957.28	10,033.36	7,024.16	188.91	103.16	100.18	1,240.29	-5,757.56	638.52	353.93	284.60	2.244		
13,600.00	6,956.32	9,948.18	7,025.84	191.70	100.66	100.39	1,236.86	-5,842.65	639.80	354.68	285.12	2.244		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,955.35	9,867.37	7,027.41	194.49	98.28	100.55	1,235.82	-5,923.43	643.76	358.02	285.74	2.253		
13,800.00	6,954.39	9,784.96	7,028.99	197.29	95.85	100.67	1,237.25	-6,005.81	650.67	364.57	286.11	2.274		
13,900.00	6,953.43	9,696.05	7,030.42	200.08	93.22	100.74	1,240.92	-6,094.63	659.86	373.71	286.14	2.306		
14,000.00	6,952.46	9,606.00	7,030.77	202.88	90.58	100.69	1,245.90	-6,184.54	670.23	384.06	286.18	2.342		
14,100.00	6,951.50	9,507.88	7,030.88	205.68	87.71	100.60	1,252.83	-6,282.42	682.03	395.98	286.05	2.384		
14,200.00	6,950.53	9,390.55	7,030.96	208.48	84.35	100.52	1,259.16	-6,399.57	692.21	406.75	285.46	2.425		
14,300.00	6,949.57	9,278.12	7,030.54	211.28	81.22	100.44	1,262.60	-6,511.94	700.00	415.05	284.95	2.457		
14,400.00	6,948.60	9,196.20	7,029.70	214.08	78.97	100.34	1,265.05	-6,593.83	707.73	422.30	285.43	2.480		
14,500.00	6,947.64	9,073.11	7,028.86	216.88	75.70	100.23	1,268.95	-6,716.84	715.59	430.89	284.70	2.513		
14,600.00	6,946.67	8,947.96	7,027.60	219.68	72.55	100.14	1,268.76	-6,841.98	720.14	436.44	283.71	2.538		
14,700.00	6,945.71	8,813.53	7,026.17	222.49	69.44	100.12	1,262.96	-6,976.27	720.61	438.66	281.95	2.556		
14,800.00	6,944.74	8,709.60	7,025.55	225.29	67.25	100.19	1,255.30	-7,079.91	718.11	436.29	281.82	2.548		
14,900.00	6,943.78	8,614.82	7,025.88	228.10	65.40	100.32	1,248.46	-7,174.44	715.92	433.67	282.25	2.536		
15,000.00	6,942.81	8,494.55	7,027.01	230.90	63.30	100.57	1,238.13	-7,294.26	712.48	431.31	281.18	2.534		
15,100.00	6,941.85	8,385.99	7,027.93	233.71	61.69	100.82	1,226.51	-7,402.19	706.96	426.08	280.88	2.517		
15,200.00	6,940.88	8,285.88	7,028.85	236.52	60.42	101.07	1,215.23	-7,501.66	700.92	419.69	281.23	2.492		
15,300.00	6,939.92	8,190.78	7,029.63	239.32	59.40	101.30	1,204.82	-7,596.19	695.18	413.17	282.01	2.465		
15,400.00	6,938.95	8,099.28	7,030.39	242.13	58.55	101.51	1,195.71	-7,687.23	690.45	407.36	283.09	2.439		
15,500.00	6,937.99	7,993.16	7,031.06	244.94	57.75	101.73	1,185.99	-7,792.89	686.49	402.98	283.50	2.421		
15,600.00	6,937.02	7,881.16	7,030.77	247.75	57.13	101.92	1,173.55	-7,904.20	680.39	396.59	283.80	2.397		
15,706.13	6,936.00	7,774.00	7,026.59	250.74	56.72	101.79	1,160.61	-8,010.47	672.12	386.86	285.26	2.356		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2,239.00	2,159.58	3.28	14.67	-71.83	2,656.60	-8,095.63	8,799.96					
100.00	100.00	2,277.01	2,195.21	3.28	14.99	-71.90	2,644.60	-8,089.99	8,775.26	8,758.40	16.86	520.387		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.99	2,628.22	-8,083.01	8,751.32	8,734.08	17.25	507.457		
300.00	300.00	2,349.06	2,262.71	3.44	15.59	-72.03	2,621.38	-8,080.31	8,728.00	8,710.52	17.47	499.568		
400.00	399.98	2,392.70	2,303.61	3.60	15.95	-119.50	2,607.11	-8,074.93	8,706.18	8,688.27	17.91	486.184		
500.00	499.84	2,444.70	2,352.33	3.81	16.38	-119.96	2,589.97	-8,068.89	8,686.66	8,668.21	18.45	470.787		
600.00	599.45	2,512.11	2,415.48	4.05	16.94	-120.42	2,567.63	-8,061.36	8,669.32	8,650.16	19.16	452.537		
700.00	698.70	2,686.00	2,578.52	4.33	18.39	-121.14	2,510.90	-8,040.45	8,653.10	8,632.43	20.68	418.458		
800.00	797.47	2,743.26	2,632.24	4.64	18.87	-121.53	2,492.41	-8,033.27	8,638.83	8,617.44	21.39	403.883		
902.00	897.58	2,775.00	2,662.03	4.98	19.14	-121.83	2,482.13	-8,029.58	8,627.03	8,605.07	21.96	392.852		
1,000.00	993.42	2,818.17	2,702.57	5.33	19.50	-121.96	2,468.03	-8,024.88	8,617.34	8,594.70	22.64	380.673		
1,100.00	1,091.22	2,865.00	2,746.50	5.71	19.89	-122.10	2,452.53	-8,020.15	8,608.18	8,584.81	23.37	368.288		
1,200.00	1,189.02	2,940.97	2,817.75	6.11	20.52	-122.34	2,427.22	-8,012.80	8,599.58	8,575.22	24.35	353.146		
1,300.00	1,286.82	3,037.84	2,908.61	6.53	21.33	-122.63	2,394.97	-8,003.35	8,591.17	8,565.67	25.50	336.856		
1,400.00	1,384.62	3,114.66	2,980.66	6.95	21.97	-122.87	2,369.40	-7,995.87	8,583.02	8,556.50	26.52	323.622		
1,500.00	1,482.42	3,275.23	3,131.26	7.38	23.33	-123.36	2,316.08	-7,979.76	8,574.96	8,546.78	28.18	304.262		
1,600.00	1,580.22	3,350.55	3,201.90	7.83	23.96	-123.59	2,291.23	-7,971.68	8,566.56	8,537.35	29.21	293.249		
1,700.00	1,678.03	3,985.60	3,797.42	8.27	29.37	-125.46	2,090.64	-7,882.98	8,557.08	8,522.82	34.27	249.724		
1,800.00	1,775.83	4,028.00	3,837.19	8.72	29.73	-125.58	2,078.00	-7,875.47	8,543.88	8,508.82	35.06	243.725		
1,900.00	1,873.63	4,028.00	3,837.19	9.18	29.73	-125.58	2,078.00	-7,875.47	8,531.60	8,496.04	35.56	239.911		
2,000.00	1,971.43	4,076.43	3,882.66	9.64	30.14	-125.72	2,063.37	-7,867.46	8,519.97	8,483.56	36.41	233.996		
2,100.00	2,069.23	4,117.00	3,920.77	10.11	30.49	-125.84	2,050.86	-7,861.42	8,509.43	8,472.22	37.21	228.684		
2,200.00	2,167.03	4,117.00	3,920.77	10.57	30.49	-125.84	2,050.86	-7,861.42	8,499.70	8,461.97	37.73	225.299		
2,300.00	2,264.83	4,175.64	3,975.84	11.04	30.99	-126.01	2,032.36	-7,853.40	8,490.72	8,452.04	38.67	219.544		
2,400.00	2,362.63	4,234.40	4,030.94	11.52	31.49	-126.19	2,013.39	-7,845.85	8,482.45	8,442.82	39.63	214.037		
2,500.00	2,460.43	4,341.80	4,131.63	11.99	32.41	-126.52	1,978.64	-7,832.09	8,474.45	8,433.49	40.96	206.902		
2,600.00	2,558.23	4,705.97	4,473.06	12.47	35.55	-127.61	1,863.70	-7,779.15	8,466.09	8,421.94	44.15	191.759		
2,700.00	2,656.03	4,776.62	4,539.28	12.94	36.16	-127.82	1,842.12	-7,767.33	8,455.52	8,410.33	45.20	187.084		
2,800.00	2,753.83	4,833.00	4,592.12	13.42	36.65	-127.98	1,824.65	-7,758.28	8,445.62	8,399.47	46.15	183.012		
2,900.00	2,851.63	4,883.50	4,639.43	13.90	37.09	-128.13	1,808.84	-7,750.43	8,436.31	8,389.24	47.06	179.250		
3,000.00	2,949.43	4,955.00	4,706.41	14.38	37.71	-128.35	1,786.28	-7,739.54	8,427.49	8,379.35	48.14	175.069		
3,100.00	3,047.23	5,012.00	4,759.80	14.87	38.21	-128.52	1,768.27	-7,730.93	8,419.05	8,369.94	49.11	171.435		
3,200.00	3,145.03	5,073.95	4,817.85	15.35	38.74	-128.71	1,748.66	-7,721.79	8,411.16	8,361.03	50.12	167.819		
3,300.00	3,242.83	5,125.34	4,866.04	15.83	39.19	-128.86	1,732.34	-7,714.53	8,403.95	8,352.90	51.06	164.604		
3,400.00	3,340.63	5,191.00	4,927.63	16.32	39.75	-129.06	1,711.47	-7,705.53	8,397.35	8,345.25	52.10	161.179		
3,500.00	3,438.43	5,241.51	4,975.05	16.80	40.18	-129.22	1,695.44	-7,698.78	8,391.31	8,338.28	53.03	158.237		
3,600.00	3,536.23	5,301.94	5,031.84	17.29	40.70	-129.40	1,676.35	-7,690.90	8,385.82	8,331.78	54.04	155.186		
3,700.00	3,634.03	5,370.00	5,095.76	17.78	41.28	-129.61	1,654.60	-7,682.31	8,380.87	8,325.77	55.11	152.088		
3,800.00	3,731.83	5,420.03	5,142.73	18.26	41.71	-129.76	1,638.49	-7,676.20	8,376.48	8,320.44	56.04	149.475		
3,900.00	3,829.63	5,482.65	5,201.55	18.75	42.24	-129.96	1,618.36	-7,668.78	8,372.68	8,315.61	57.07	146.708		
4,000.00	3,927.43	5,581.54	5,294.58	19.24	43.08	-130.26	1,586.88	-7,657.15	8,369.27	8,310.88	58.38	143.356		
4,100.00	4,025.23	5,639.00	5,348.59	19.73	43.57	-130.44	1,568.54	-7,650.22	8,365.91	8,306.54	59.37	140.905		
4,200.00	4,123.03	5,693.14	5,399.46	20.22	44.03	-130.61	1,551.12	-7,643.92	8,363.17	8,302.83	60.34	138.595		
4,300.00	4,220.83	5,728.00	5,432.23	20.71	44.32	-130.72	1,539.80	-7,640.22	8,361.37	8,300.22	61.16	136.714		
4,400.00	4,318.63	6,025.11	5,711.12	21.20	46.86	-131.64	1,443.75	-7,604.80	8,358.06	8,294.01	64.05	130.498		
4,500.00	4,416.43	6,058.78	5,742.75	21.69	47.15	-131.75	1,433.04	-7,600.56	8,355.10	8,290.24	64.86	128.808		
4,600.00	4,514.23	6,299.68	5,968.87	22.18	49.22	-132.49	1,356.10	-7,569.37	8,352.39	8,285.10	67.29	124.121		
4,700.00	4,612.03	6,325.96	5,993.54	22.67	49.45	-132.57	1,347.76	-7,565.76	8,348.93	8,280.87	68.06	122.669		
4,800.00	4,709.83	6,355.00	6,020.78	23.16	49.70	-132.66	1,338.44	-7,562.02	8,346.39	8,277.55	68.85	121.232		
4,900.00	4,807.63	6,355.00	6,020.78	23.65	49.70	-132.66	1,338.44	-7,562.02	8,344.88	8,275.48	69.40	120.243		
5,000.00	4,905.43	6,402.54	6,065.39	24.14	50.10	-132.81	1,322.98	-7,556.47	8,344.09	8,273.75	70.33	118.640		
5,023.79	4,928.70	6,408.50	6,070.98	24.26	50.15	-132.83	1,321.02	-7,555.83	8,344.06	8,273.55	70.51	118.340		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	6,445.00	6,105.23	24.63	50.47	-132.95	1,308.95	-7,552.12	8,344.40	8,273.18	71.22	117.164		
5,200.00	5,101.03	6,445.00	6,105.23	25.12	50.47	-132.95	1,308.95	-7,552.12	8,345.52	8,273.76	71.76	116.305		
5,300.00	5,198.83	6,493.44	6,150.75	25.62	50.87	-133.10	1,292.99	-7,547.67	8,347.51	8,274.83	72.68	114.848		
5,400.00	5,296.63	6,534.00	6,188.96	26.11	51.21	-133.23	1,279.84	-7,544.20	8,350.32	8,276.77	73.54	113.543		
5,500.00	5,394.43	6,534.00	6,188.96	26.60	51.21	-133.23	1,279.84	-7,544.20	8,354.09	8,280.03	74.06	112.804		
5,600.00	5,492.23	6,534.00	6,188.96	27.09	51.21	-133.23	1,279.84	-7,544.20	8,359.05	8,284.49	74.56	112.106		
5,700.00	5,590.03	6,534.00	6,188.96	27.58	51.21	-133.23	1,279.84	-7,544.20	8,365.21	8,290.15	75.06	111.448		
5,800.00	5,687.83	6,576.66	6,229.24	28.08	51.55	-133.36	1,266.06	-7,541.48	8,371.67	8,295.76	75.91	110.287		
5,900.00	5,785.63	6,624.00	6,273.97	28.57	51.92	-133.51	1,250.63	-7,540.29	8,380.35	8,303.55	76.79	109.128		
6,000.00	5,883.43	6,624.00	6,273.97	29.06	51.92	-133.51	1,250.63	-7,540.29	8,389.12	8,311.85	77.27	108.574		
6,100.00	5,981.23	6,624.00	6,273.97	29.56	51.92	-133.51	1,250.63	-7,540.29	8,399.07	8,321.34	77.73	108.057		
6,200.00	6,079.04	6,624.00	6,273.97	30.05	51.92	-133.51	1,250.63	-7,540.29	8,410.20	8,332.02	78.18	107.577		
6,300.00	6,176.84	6,624.00	6,273.97	30.54	51.92	-133.51	1,250.63	-7,540.29	8,422.50	8,343.88	78.62	107.133		
6,409.71	6,284.13	6,624.00	6,273.97	31.08	51.92	-133.51	1,250.63	-7,540.29	8,437.34	8,358.25	79.09	106.685		
6,450.00	6,323.71	6,624.00	6,273.97	31.28	51.92	-119.40	1,250.63	-7,540.29	8,441.88	8,362.63	79.25	106.521		
6,500.00	6,373.15	6,624.00	6,273.97	31.50	51.92	-91.91	1,250.63	-7,540.29	8,444.26	8,364.82	79.44	106.297		
6,550.00	6,422.65	6,624.00	6,273.97	31.70	51.92	-60.82	1,250.63	-7,540.29	8,443.04	8,363.43	79.61	106.057		
6,600.00	6,471.92	6,624.00	6,273.97	31.89	51.92	-39.34	1,250.63	-7,540.29	8,438.20	8,358.45	79.75	105.802		
6,650.00	6,520.65	6,624.00	6,273.97	32.07	51.92	-27.00	1,250.63	-7,540.29	8,429.79	8,349.91	79.88	105.530		
6,700.00	6,568.54	6,624.00	6,273.97	32.25	51.92	-19.62	1,250.63	-7,540.29	8,417.84	8,337.85	79.99	105.239		
6,750.00	6,615.30	6,624.00	6,273.97	32.43	51.92	-14.83	1,250.63	-7,540.29	8,402.40	8,322.32	80.08	104.929		
6,800.00	6,660.63	6,624.00	6,273.97	32.61	51.92	-11.47	1,250.63	-7,540.29	8,383.56	8,303.41	80.15	104.599		
6,850.00	6,704.26	6,664.98	6,312.69	32.80	52.20	-9.09	1,237.23	-7,541.29	8,360.11	8,279.53	80.58	103.750		
6,900.00	6,745.92	6,668.04	6,315.57	33.00	52.23	-7.12	1,236.23	-7,541.46	8,334.55	8,253.90	80.65	103.341		
6,950.00	6,785.34	6,670.98	6,318.35	33.21	52.25	-5.48	1,235.27	-7,541.64	8,305.92	8,225.21	80.71	102.914		
7,000.00	6,822.30	6,714.00	6,358.83	33.44	52.54	-4.18	1,221.31	-7,545.62	8,275.60	8,194.48	81.12	102.019		
7,050.00	6,856.55	6,714.00	6,358.83	33.69	52.54	-2.83	1,221.31	-7,545.62	8,241.10	8,159.98	81.13	101.585		
7,100.00	6,887.90	6,714.00	6,358.83	33.97	52.54	-1.51	1,221.31	-7,545.62	8,204.04	8,122.92	81.12	101.132		
7,150.00	6,916.14	6,714.00	6,358.83	34.28	52.54	-0.12	1,221.31	-7,545.62	8,164.61	8,083.50	81.11	100.661		
7,200.00	6,941.10	6,714.00	6,358.83	34.62	52.54	1.44	1,221.31	-7,545.62	8,123.01	8,041.92	81.09	100.170		
7,250.00	6,962.63	6,714.00	6,358.83	35.00	52.54	3.30	1,221.31	-7,545.62	8,079.48	7,998.41	81.07	99.662		
7,300.00	6,980.59	6,714.00	6,358.83	35.43	52.54	5.69	1,221.31	-7,545.62	8,034.25	7,953.21	81.04	99.136		
7,350.00	6,994.88	6,714.00	6,358.83	35.89	52.54	9.03	1,221.31	-7,545.62	7,987.58	7,906.56	81.02	98.593		
7,400.00	7,005.41	6,714.00	6,358.83	36.39	52.54	14.18	1,221.31	-7,545.62	7,939.72	7,858.73	80.99	98.034		
7,450.00	7,012.10	6,714.00	6,358.83	36.93	52.54	23.18	1,221.31	-7,545.62	7,890.96	7,810.00	80.97	97.459		
7,500.00	7,014.93	6,714.00	6,358.83	37.50	52.54	41.48	1,221.31	-7,545.62	7,841.58	7,760.64	80.95	96.870		
7,517.56	7,015.00	6,714.00	6,358.83	37.70	52.54	52.14	1,221.31	-7,545.62	7,824.16	7,743.21	80.95	96.659		
7,600.00	7,014.21	6,714.00	6,358.83	38.74	52.54	52.14	1,221.31	-7,545.62	7,742.24	7,661.31	80.93	95.669		
7,700.00	7,013.24	6,714.00	6,358.83	40.15	52.54	52.14	1,221.31	-7,545.62	7,642.90	7,561.99	80.91	94.465		
7,800.00	7,012.28	6,714.00	6,358.83	41.71	52.54	52.14	1,221.31	-7,545.62	7,543.57	7,462.68	80.89	93.257		
7,900.00	7,011.31	6,714.00	6,358.83	43.40	52.54	52.14	1,221.31	-7,545.62	7,444.26	7,363.39	80.88	92.045		
8,000.00	7,010.35	6,714.00	6,358.83	45.21	52.54	52.14	1,221.31	-7,545.62	7,344.97	7,264.11	80.87	90.828		
8,100.00	7,009.38	6,714.00	6,358.83	47.12	52.54	52.14	1,221.31	-7,545.62	7,245.70	7,164.84	80.86	89.607		
8,200.00	7,008.42	6,714.00	6,358.83	49.12	52.54	52.14	1,221.31	-7,545.62	7,146.46	7,065.60	80.86	88.382		
8,300.00	7,007.45	6,714.00	6,358.83	51.21	52.54	52.14	1,221.31	-7,545.62	7,047.23	6,966.37	80.86	87.152		
8,400.00	7,006.49	6,714.00	6,358.83	53.36	52.54	52.14	1,221.31	-7,545.62	6,948.02	6,867.15	80.87	85.917		
8,500.00	7,005.52	6,714.00	6,358.83	55.57	52.54	52.14	1,221.31	-7,545.62	6,848.84	6,767.96	80.88	84.678		
8,600.00	7,004.56	6,714.00	6,358.83	57.84	52.54	52.14	1,221.31	-7,545.62	6,749.68	6,668.78	80.90	83.434		
8,700.00	7,003.59	6,714.00	6,358.83	60.16	52.54	52.14	1,221.31	-7,545.62	6,650.55	6,569.62	80.92	82.185		
8,800.00	7,002.63	6,714.00	6,358.83	62.52	52.54	52.14	1,221.31	-7,545.62	6,551.44	6,470.49	80.95	80.931		
8,900.00	7,001.66	6,714.00	6,358.83	64.92	52.54	52.14	1,221.31	-7,545.62	6,452.36	6,371.37	80.99	79.673		
9,000.00	7,000.70	6,714.00	6,358.83	67.35	52.54	52.14	1,221.31	-7,545.62	6,353.31	6,272.28	81.03	78.408		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,714.00	6,358.83	69.81	52.54	52.14	1,221.31	-7,545.62	6,254.29	6,173.21	81.08	77.139		
9,200.00	6,998.77	6,714.00	6,358.83	72.31	52.54	52.14	1,221.31	-7,545.62	6,155.30	6,074.16	81.14	75.864		
9,300.00	6,997.80	6,714.00	6,358.83	74.82	52.54	52.14	1,221.31	-7,545.62	6,056.34	5,975.14	81.20	74.584		
9,400.00	6,996.84	6,714.00	6,358.83	77.36	52.54	52.14	1,221.31	-7,545.62	5,957.42	5,876.15	81.28	73.298		
9,500.00	6,995.88	6,714.00	6,358.83	79.92	52.54	52.14	1,221.31	-7,545.62	5,858.54	5,777.18	81.36	72.007		
9,600.00	6,994.91	6,714.00	6,358.83	82.49	52.54	52.14	1,221.31	-7,545.62	5,759.69	5,678.24	81.46	70.709		
9,700.00	6,993.95	6,714.00	6,358.83	85.09	52.54	52.14	1,221.31	-7,545.62	5,660.89	5,579.33	81.56	69.406		
9,800.00	6,992.98	6,714.00	6,358.83	87.70	52.54	52.14	1,221.31	-7,545.62	5,562.13	5,480.45	81.68	68.097		
9,900.00	6,992.02	6,714.00	6,358.83	90.32	52.54	52.14	1,221.31	-7,545.62	5,463.41	5,381.60	81.81	66.781		
10,000.00	6,991.05	6,714.00	6,358.83	92.95	52.54	52.14	1,221.31	-7,545.62	5,364.74	5,282.78	81.95	65.460		
10,100.00	6,990.09	6,714.00	6,358.83	95.60	52.54	52.14	1,221.31	-7,545.62	5,266.12	5,184.00	82.11	64.132		
10,200.00	6,989.12	6,714.00	6,358.83	98.26	52.54	52.14	1,221.31	-7,545.62	5,167.55	5,085.26	82.29	62.798		
10,300.00	6,988.16	6,714.00	6,358.83	100.92	52.54	52.14	1,221.31	-7,545.62	5,069.04	4,986.56	82.48	61.457		
10,400.00	6,987.19	6,714.00	6,358.83	103.60	52.54	52.14	1,221.31	-7,545.62	4,970.59	4,887.90	82.69	60.110		
10,500.00	6,986.23	6,714.00	6,358.83	106.28	52.54	52.14	1,221.31	-7,545.62	4,872.20	4,789.28	82.92	58.756		
10,600.00	6,985.26	6,714.00	6,358.83	108.98	52.54	52.14	1,221.31	-7,545.62	4,773.88	4,690.71	83.17	57.396		
10,700.00	6,984.30	6,714.00	6,358.83	111.68	52.54	52.14	1,221.31	-7,545.62	4,675.63	4,592.18	83.45	56.029		
10,800.00	6,983.33	6,714.00	6,358.83	114.38	52.54	52.14	1,221.31	-7,545.62	4,577.46	4,493.71	83.75	54.657		
10,900.00	6,982.37	6,714.00	6,358.83	117.09	52.54	52.14	1,221.31	-7,545.62	4,479.37	4,395.29	84.08	53.277		
11,000.00	6,981.40	6,714.00	6,358.83	119.81	52.54	52.14	1,221.31	-7,545.62	4,381.36	4,296.93	84.43	51.892		
11,100.00	6,980.44	6,714.00	6,358.83	122.54	52.54	52.14	1,221.31	-7,545.62	4,283.44	4,198.62	84.82	50.501		
11,200.00	6,979.47	6,714.00	6,358.83	125.26	52.54	52.14	1,221.31	-7,545.62	4,185.63	4,100.39	85.24	49.103		
11,300.00	6,978.51	6,714.00	6,358.83	128.00	52.54	52.14	1,221.31	-7,545.62	4,087.92	4,002.22	85.70	47.701		
11,400.00	6,977.54	6,714.00	6,358.83	130.73	52.54	52.14	1,221.31	-7,545.62	3,990.32	3,904.12	86.20	46.293		
11,500.00	6,976.58	6,752.49	6,394.87	133.48	52.76	53.56	1,209.05	-7,551.32	3,891.67	3,804.73	86.94	44.762		
11,600.00	6,975.62	6,755.45	6,397.63	136.22	52.78	53.68	1,208.12	-7,551.84	3,794.13	3,706.60	87.53	43.347		
11,700.00	6,974.65	6,758.54	6,400.51	138.97	52.79	53.80	1,207.15	-7,552.39	3,696.71	3,608.55	88.16	41.930		
11,800.00	6,973.69	6,761.76	6,403.51	141.73	52.81	53.92	1,206.15	-7,552.99	3,599.42	3,510.57	88.85	40.511		
11,900.00	6,972.72	6,765.13	6,406.65	144.48	52.83	54.06	1,205.10	-7,553.62	3,502.25	3,412.66	89.59	39.091		
12,000.00	6,971.76	6,803.00	6,441.77	147.24	53.04	55.61	1,193.50	-7,561.73	3,406.20	3,315.69	90.51	37.635		
12,100.00	6,970.79	6,803.00	6,441.77	150.00	53.04	55.61	1,193.50	-7,561.73	3,309.15	3,217.80	91.35	36.226		
12,200.00	6,969.83	6,803.00	6,441.77	152.77	53.04	55.61	1,193.50	-7,561.73	3,212.28	3,120.01	92.26	34.817		
12,300.00	6,968.86	6,803.00	6,441.77	155.54	53.04	55.61	1,193.50	-7,561.73	3,115.60	3,022.35	93.26	33.409		
12,400.00	6,967.90	6,803.00	6,441.77	158.31	53.04	55.61	1,193.50	-7,561.73	3,019.15	2,924.81	94.34	32.002		
12,500.00	6,966.93	6,803.00	6,441.77	161.08	53.04	55.61	1,193.50	-7,561.73	2,922.93	2,827.41	95.52	30.600		
12,600.00	6,965.97	6,803.00	6,441.77	163.85	53.04	55.61	1,193.50	-7,561.73	2,826.97	2,730.16	96.81	29.202		
12,700.00	6,965.00	6,803.00	6,441.77	166.63	53.04	55.61	1,193.50	-7,561.73	2,731.31	2,633.09	98.21	27.810		
12,800.00	6,964.04	6,803.00	6,441.77	169.41	53.04	55.61	1,193.50	-7,561.73	2,635.96	2,536.22	99.74	26.427		
12,900.00	6,963.07	6,803.00	6,441.77	172.19	53.04	55.61	1,193.50	-7,561.73	2,540.98	2,439.56	101.42	25.055		
13,000.00	6,962.11	6,803.00	6,441.77	174.97	53.04	55.61	1,193.50	-7,561.73	2,446.39	2,343.15	103.25	23.695		
13,100.00	6,961.14	6,803.00	6,441.77	177.76	53.04	55.61	1,193.50	-7,561.73	2,352.25	2,247.01	105.25	22.350		
13,200.00	6,960.18	6,803.00	6,441.77	180.54	53.04	55.61	1,193.50	-7,561.73	2,258.62	2,151.18	107.44	21.022		
13,300.00	6,959.21	6,839.22	6,475.03	183.33	53.20	57.20	1,182.64	-7,571.12	2,164.50	2,054.91	109.59	19.751		
13,400.00	6,958.25	6,847.63	6,482.69	186.12	53.24	57.58	1,180.14	-7,573.51	2,071.51	1,959.38	112.12	18.475		
13,500.00	6,957.28	6,856.62	6,490.85	188.91	53.28	57.99	1,177.47	-7,576.16	1,979.08	1,864.18	114.90	17.225		
13,600.00	6,956.32	6,892.00	6,522.72	191.70	53.44	59.67	1,167.03	-7,587.45	1,887.82	1,770.18	117.64	16.047		
13,700.00	6,955.35	6,892.00	6,522.72	194.49	53.44	59.67	1,167.03	-7,587.45	1,796.36	1,675.29	121.08	14.837		
13,800.00	6,954.39	6,892.00	6,522.72	197.29	53.44	59.67	1,167.03	-7,587.45	1,705.86	1,580.98	124.88	13.660		
13,900.00	6,953.43	6,892.00	6,522.72	200.08	53.44	59.67	1,167.03	-7,587.45	1,616.47	1,487.38	129.09	12.522		
14,000.00	6,952.46	6,892.00	6,522.72	202.88	53.44	59.67	1,167.03	-7,587.45	1,528.40	1,394.64	133.76	11.426		
14,100.00	6,951.50	6,922.17	6,549.46	205.68	53.54	61.18	1,158.24	-7,598.30	1,440.94	1,302.51	138.43	10.409		
14,200.00	6,950.53	6,935.64	6,561.23	208.48	53.59	61.87	1,154.35	-7,603.55	1,355.22	1,211.30	143.92	9.416		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Orr State 36N-35C-M - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 20-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,300.00	6,949.57	6,950.43	6,574.05	211.28	53.64	62.64	1,150.10	-7,609.59	1,271.14	1,121.13	150.01	8.474	
14,400.00	6,948.60	6,982.00	6,600.94	214.08	53.76	64.32	1,141.12	-7,623.47	1,189.22	1,032.84	156.39	7.604	
14,500.00	6,947.64	6,982.00	6,600.94	216.88	53.76	64.32	1,141.12	-7,623.47	1,109.05	944.71	164.34	6.749	
14,600.00	6,946.67	6,982.00	6,600.94	219.68	53.76	64.32	1,141.12	-7,623.47	1,032.34	859.19	173.16	5.962	
14,700.00	6,945.71	7,020.36	6,632.63	222.49	53.85	66.44	1,130.58	-7,642.33	957.93	775.98	181.96	5.265	
14,800.00	6,944.74	7,041.83	6,649.80	225.29	53.90	67.66	1,124.93	-7,653.91	887.94	695.79	192.15	4.621	
14,900.00	6,943.78	7,071.00	6,672.42	228.10	53.98	69.32	1,117.57	-7,670.78	822.63	619.54	203.10	4.050	
15,000.00	6,942.81	7,093.67	6,689.44	230.90	54.01	70.64	1,112.15	-7,684.74	762.76	547.61	215.15	3.545	
15,100.00	6,941.85	7,124.70	6,711.94	233.71	54.05	72.45	1,105.27	-7,704.97	709.39	481.72	227.67	3.116	
15,200.00	6,940.88	7,161.00	6,737.02	236.52	54.09	74.57	1,098.01	-7,730.17	663.48	423.08	240.40	2.760	
15,300.00	6,939.92	7,201.14	6,763.18	239.32	54.10	76.90	1,090.97	-7,759.79	625.85	372.99	252.86	2.475	
15,400.00	6,938.95	7,250.00	6,792.75	242.13	54.12	79.67	1,083.77	-7,798.00	597.09	332.88	264.21	2.260	
15,500.00	6,937.99	7,296.61	6,818.48	244.94	54.09	82.19	1,078.51	-7,836.49	577.63	303.56	274.07	2.108	
15,600.00	6,937.02	7,351.61	6,845.55	247.75	54.04	84.92	1,074.57	-7,884.19	567.53	285.92	281.62	2.015	
15,677.82	6,936.27	7,401.87	6,866.84	249.94	53.97	87.12	1,072.66	-7,929.65	565.35	279.42	285.94	1.977 CC	
15,706.13	6,936.00	7,421.02	6,874.04	250.74	53.95	87.87	1,072.30	-7,947.39	565.62	278.42	287.21	1.969 ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-86.89	404.04	-7,443.32	7,454.29					
100.00	100.00	87.00	87.00	3.28	3.61	-86.89	404.04	-7,443.32	7,454.27	7,447.37	6.90	1,080.456		
200.00	200.00	187.00	187.00	3.34	5.80	-86.89	404.04	-7,443.32	7,454.27	7,445.14	9.14	815.890		
300.00	300.00	287.00	287.00	3.44	8.90	-86.89	404.04	-7,443.32	7,454.27	7,441.93	12.35	603.828		
400.00	399.98	386.98	386.98	3.60	12.21	-133.89	404.04	-7,443.32	7,455.48	7,439.67	15.81	471.424		
500.00	499.84	486.84	486.84	3.81	15.60	-133.86	404.04	-7,443.32	7,459.11	7,439.71	19.40	384.442		
600.00	599.45	586.45	586.45	4.05	19.01	-133.82	404.04	-7,443.32	7,465.16	7,442.11	23.06	323.769		
700.00	698.70	685.70	685.70	4.33	22.43	-133.77	404.04	-7,443.32	7,473.63	7,446.88	26.75	279.362		
800.00	797.47	784.47	784.47	4.64	25.85	-133.69	404.04	-7,443.32	7,484.51	7,454.04	30.47	245.614		
902.00	897.58	884.58	884.58	4.98	29.32	-133.60	404.04	-7,443.32	7,498.10	7,463.82	34.28	218.726		
1,000.00	993.42	980.42	980.42	5.33	32.65	-133.71	404.04	-7,443.32	7,512.38	7,474.43	37.95	197.940		
1,100.00	1,091.22	1,078.22	1,078.22	5.71	36.04	-133.83	404.04	-7,443.32	7,526.98	7,485.26	41.72	180.421		
1,200.00	1,189.02	1,176.02	1,176.02	6.11	39.45	-133.94	404.04	-7,443.32	7,541.60	7,496.10	45.50	165.738		
1,300.00	1,286.82	1,273.82	1,273.82	6.53	42.85	-134.05	404.04	-7,443.32	7,556.26	7,506.96	49.30	153.265		
1,400.00	1,384.62	1,371.62	1,371.62	6.95	46.25	-134.17	404.04	-7,443.32	7,570.94	7,517.83	53.11	142.545		
1,500.00	1,482.42	1,469.42	1,469.42	7.38	49.66	-134.28	404.04	-7,443.32	7,585.66	7,528.72	56.93	133.237		
1,600.00	1,580.22	1,567.22	1,567.22	7.83	53.07	-134.39	404.04	-7,443.32	7,600.40	7,539.64	60.76	125.084		
1,700.00	1,678.03	1,665.03	1,665.03	8.27	56.48	-134.50	404.04	-7,443.32	7,615.17	7,550.57	64.60	117.885		
1,800.00	1,775.83	1,762.83	1,762.83	8.72	59.88	-134.61	404.04	-7,443.32	7,629.97	7,561.53	68.44	111.485		
1,900.00	1,873.63	1,860.63	1,860.63	9.18	63.29	-134.72	404.04	-7,443.32	7,644.80	7,572.51	72.29	105.758		
2,000.00	1,971.43	1,958.43	1,958.43	9.64	66.70	-134.83	404.04	-7,443.32	7,659.65	7,583.52	76.14	100.604		
2,100.00	2,069.23	2,056.23	2,056.23	10.11	70.11	-134.94	404.04	-7,443.32	7,674.54	7,594.54	79.99	95.942		
2,200.00	2,167.03	2,154.03	2,154.03	10.57	73.52	-135.05	404.04	-7,443.32	7,689.45	7,605.60	83.85	91.706		
2,300.00	2,264.83	2,251.83	2,251.83	11.04	76.94	-135.16	404.04	-7,443.32	7,704.39	7,616.68	87.71	87.840		
2,400.00	2,362.63	2,349.63	2,349.63	11.52	80.35	-135.26	404.04	-7,443.32	7,719.35	7,627.78	91.57	84.299		
2,500.00	2,460.43	2,447.43	2,447.43	11.99	83.76	-135.37	404.04	-7,443.32	7,734.35	7,638.91	95.44	81.042		
2,600.00	2,558.23	2,545.23	2,545.23	12.47	87.17	-135.48	404.04	-7,443.32	7,749.37	7,650.06	99.30	78.038		
2,700.00	2,656.03	2,643.03	2,643.03	12.94	90.58	-135.59	404.04	-7,443.32	7,764.42	7,661.24	103.17	75.258		
2,800.00	2,753.83	2,740.83	2,740.83	13.42	93.99	-135.69	404.04	-7,443.32	7,779.49	7,672.45	107.04	72.678		
2,900.00	2,851.63	2,838.63	2,838.63	13.90	97.41	-135.80	404.04	-7,443.32	7,794.59	7,683.68	110.91	70.277		
3,000.00	2,949.43	2,936.43	2,936.43	14.38	100.82	-135.90	404.04	-7,443.32	7,809.72	7,694.94	114.78	68.038		
3,100.00	3,047.23	3,034.23	3,034.23	14.87	104.23	-136.01	404.04	-7,443.32	7,824.87	7,706.22	118.66	65.945		
3,200.00	3,145.03	3,132.03	3,132.03	15.35	107.64	-136.11	404.04	-7,443.32	7,840.05	7,717.52	122.53	63.984		
3,300.00	3,242.83	3,229.83	3,229.83	15.83	111.06	-136.22	404.04	-7,443.32	7,855.26	7,728.85	126.41	62.143		
3,400.00	3,340.63	3,327.63	3,327.63	16.32	114.47	-136.32	404.04	-7,443.32	7,870.49	7,740.21	130.28	60.411		
3,500.00	3,438.43	3,425.43	3,425.43	16.80	117.88	-136.43	404.04	-7,443.32	7,885.75	7,751.59	134.16	58.779		
3,600.00	3,536.23	3,523.23	3,523.23	17.29	121.30	-136.53	404.04	-7,443.32	7,901.03	7,763.00	138.04	57.239		
3,700.00	3,634.03	3,621.03	3,621.03	17.78	124.71	-136.63	404.04	-7,443.32	7,916.34	7,774.43	141.91	55.783		
3,800.00	3,731.83	3,718.83	3,718.83	18.26	128.12	-136.73	404.04	-7,443.32	7,931.68	7,785.89	145.79	54.404		
3,900.00	3,829.63	3,816.63	3,816.63	18.75	131.53	-136.84	404.04	-7,443.32	7,947.04	7,797.37	149.67	53.097		
4,000.00	3,927.43	3,914.43	3,914.43	19.24	134.95	-136.94	404.04	-7,443.32	7,962.42	7,808.87	153.55	51.856		
4,100.00	4,025.23	4,012.23	4,012.23	19.73	138.36	-137.04	404.04	-7,443.32	7,977.83	7,820.40	157.43	50.676		
4,200.00	4,123.03	4,110.03	4,110.03	20.22	141.77	-137.14	404.04	-7,443.32	7,993.27	7,831.96	161.31	49.553		
4,300.00	4,220.83	4,207.83	4,207.83	20.71	145.19	-137.24	404.04	-7,443.32	8,008.73	7,843.54	165.19	48.482		
4,400.00	4,318.63	4,305.63	4,305.63	21.20	148.60	-137.34	404.04	-7,443.32	8,024.21	7,855.14	169.07	47.461		
4,500.00	4,416.43	4,403.43	4,403.43	21.69	152.01	-137.44	404.04	-7,443.32	8,039.72	7,866.77	172.95	46.486		
4,600.00	4,514.23	4,501.23	4,501.23	22.18	155.43	-137.54	404.04	-7,443.32	8,055.25	7,878.42	176.83	45.554		
4,700.00	4,612.03	4,600.97	4,599.03	22.67	158.91	-137.64	404.04	-7,443.32	8,070.80	7,890.03	180.78	44.645		
4,800.00	4,709.83	4,703.17	4,696.83	23.16	162.48	-137.74	404.04	-7,443.32	8,086.38	7,901.57	184.81	43.754		
4,900.00	4,807.63	4,805.37	4,794.63	23.65	166.04	-137.84	404.04	-7,443.32	8,101.99	7,913.14	188.85	42.902		
5,000.00	4,905.43	4,907.57	4,892.43	24.14	169.61	-137.93	404.04	-7,443.32	8,117.62	7,924.73	192.88	42.086		
5,100.00	5,003.23	5,009.77	4,990.23	24.63	173.18	-138.03	404.04	-7,443.32	8,133.27	7,936.35	196.92	41.303		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,088.03	5,088.03	25.12	175.91	-138.13	404.04	-7,443.32	8,148.94	7,948.82	200.12	40.720		
5,300.00	5,198.83	5,185.83	5,185.83	25.62	179.32	-138.22	404.04	-7,443.32	8,164.64	7,960.64	204.00	40.022		
5,400.00	5,296.63	5,283.63	5,283.63	26.11	182.74	-138.32	404.04	-7,443.32	8,180.36	7,972.47	207.88	39.351		
5,500.00	5,394.43	5,381.43	5,381.43	26.60	186.15	-138.42	404.04	-7,443.32	8,196.10	7,984.33	211.77	38.704		
5,600.00	5,492.23	5,479.23	5,479.23	27.09	189.56	-138.51	404.04	-7,443.32	8,211.87	7,996.22	215.65	38.080		
5,700.00	5,590.03	5,577.03	5,577.03	27.58	192.98	-138.61	404.04	-7,443.32	8,227.65	8,008.12	219.53	37.478		
5,800.00	5,687.83	5,674.83	5,674.83	28.08	196.39	-138.70	404.04	-7,443.32	8,243.47	8,020.05	223.41	36.898		
5,900.00	5,785.63	5,772.63	5,772.63	28.57	199.80	-138.80	404.04	-7,443.32	8,259.30	8,032.00	227.30	36.337		
6,000.00	5,883.43	5,870.43	5,870.43	29.06	203.22	-138.89	404.04	-7,443.32	8,275.16	8,043.98	231.18	35.795		
6,100.00	5,981.23	5,968.23	5,968.23	29.56	206.63	-138.99	404.04	-7,443.32	8,291.03	8,055.97	235.06	35.272		
6,200.00	6,079.04	6,066.04	6,066.04	30.05	210.05	-139.08	404.04	-7,443.32	8,306.93	8,067.99	238.95	34.765		
6,300.00	6,176.84	6,163.84	6,163.84	30.54	213.46	-139.17	404.04	-7,443.32	8,322.86	8,080.03	242.83	34.275		
6,409.71	6,284.13	6,271.13	6,271.13	31.08	217.20	-139.27	404.04	-7,443.32	8,340.35	8,093.26	247.09	33.755		
6,450.00	6,323.71	6,310.71	6,310.71	31.28	218.59	-125.16	404.04	-7,443.32	8,345.52	8,096.86	248.66	33.563		
6,500.00	6,373.15	6,360.15	6,360.15	31.50	220.31	-97.69	404.04	-7,443.32	8,348.41	8,097.81	250.60	33.314		
6,550.00	6,422.65	6,409.65	6,409.65	31.70	222.04	-66.65	404.04	-7,443.32	8,347.38	8,094.85	252.53	33.055		
6,600.00	6,471.92	6,458.92	6,458.92	31.89	223.76	-45.27	404.04	-7,443.32	8,342.44	8,088.00	254.43	32.788		
6,650.00	6,520.65	6,507.65	6,507.65	32.07	225.46	-33.06	404.04	-7,443.32	8,333.61	8,077.31	256.30	32.515		
6,700.00	6,568.54	6,555.54	6,555.54	32.25	227.13	-25.84	404.04	-7,443.32	8,320.96	8,062.84	258.12	32.237		
6,750.00	6,615.30	6,602.30	6,602.30	32.43	228.76	-21.26	404.04	-7,443.32	8,304.56	8,044.68	259.88	31.955		
6,800.00	6,660.63	6,647.63	6,647.63	32.61	230.35	-18.16	404.04	-7,443.32	8,284.51	8,022.93	261.58	31.671		
6,850.00	6,704.26	6,691.26	6,691.26	32.80	232.48	-15.97	404.04	-7,443.32	8,260.94	7,997.12	263.81	31.314		
6,900.00	6,745.92	6,732.92	6,732.92	33.00	233.32	-14.38	404.04	-7,443.32	8,233.98	7,969.24	264.74	31.102		
6,950.00	6,785.34	6,772.34	6,772.34	33.21	234.70	-13.19	404.04	-7,443.32	8,203.81	7,937.63	266.18	30.820		
7,000.00	6,822.30	6,809.30	6,809.30	33.44	235.99	-12.31	404.04	-7,443.32	8,170.61	7,903.08	267.53	30.541		
7,050.00	6,856.55	6,843.55	6,843.55	33.69	237.19	-11.65	404.04	-7,443.32	8,134.58	7,865.81	268.76	30.267		
7,100.00	6,887.90	6,874.90	6,874.90	33.97	238.28	-11.19	404.04	-7,443.32	8,095.95	7,826.06	269.89	29.997		
7,150.00	6,916.14	6,903.14	6,903.14	34.28	239.27	-10.91	404.04	-7,443.32	8,054.95	7,784.06	270.89	29.735		
7,200.00	6,941.10	6,928.10	6,928.10	34.62	240.14	-10.79	404.04	-7,443.32	8,011.84	7,740.06	271.78	29.479		
7,250.00	6,962.63	6,949.63	6,949.63	35.00	240.89	-10.86	404.04	-7,443.32	7,966.88	7,694.34	272.53	29.233		
7,300.00	6,980.59	6,967.59	6,967.59	35.43	241.52	-11.19	404.04	-7,443.32	7,920.34	7,647.18	273.16	28.995		
7,350.00	6,994.88	6,981.88	6,981.88	35.89	242.01	-11.93	404.04	-7,443.32	7,872.52	7,598.86	273.66	28.768		
7,400.00	7,005.41	7,007.59	6,992.41	36.39	242.91	-13.53	404.04	-7,443.32	7,823.71	7,549.16	274.55	28.497		
7,450.00	7,012.10	7,000.90	6,999.10	36.93	242.68	-17.89	404.04	-7,443.32	7,774.20	7,499.89	274.31	28.341		
7,500.00	7,014.93	7,001.93	7,001.93	37.50	242.71	-48.74	404.04	-7,443.32	7,724.31	7,449.97	274.34	28.156		
7,517.56	7,015.00	7,002.00	7,002.00	37.70	242.72	-120.46	404.04	-7,443.32	7,706.76	7,432.41	274.35	28.091		
7,600.00	7,014.21	7,001.21	7,001.21	38.74	242.69	-120.19	404.04	-7,443.32	7,624.33	7,350.01	274.32	27.793		
7,700.00	7,013.24	7,000.24	7,000.24	40.15	242.66	-119.86	404.04	-7,443.32	7,524.35	7,250.06	274.29	27.432		
7,800.00	7,012.28	7,000.72	6,999.28	41.71	242.67	-119.53	404.04	-7,443.32	7,424.37	7,150.05	274.32	27.065		
7,900.00	7,011.31	7,001.69	6,998.31	43.40	242.71	-119.20	404.04	-7,443.32	7,324.39	7,050.03	274.36	26.697		
8,000.00	7,010.35	7,002.65	6,997.35	45.21	242.74	-118.87	404.04	-7,443.32	7,224.41	6,950.01	274.40	26.328		
8,100.00	7,009.38	7,003.62	6,996.38	47.12	242.77	-118.53	404.04	-7,443.32	7,124.43	6,849.99	274.44	25.960		
8,200.00	7,008.42	7,004.58	6,995.42	49.12	242.81	-118.19	404.04	-7,443.32	7,024.45	6,749.96	274.49	25.591		
8,300.00	7,007.45	7,005.55	6,994.45	51.21	242.84	-117.85	404.04	-7,443.32	6,924.47	6,649.94	274.53	25.223		
8,400.00	7,006.49	7,006.51	6,993.49	53.36	242.87	-117.51	404.04	-7,443.32	6,824.49	6,549.91	274.58	24.854		
8,500.00	7,005.52	7,007.48	6,992.52	55.57	242.91	-117.16	404.04	-7,443.32	6,724.51	6,449.88	274.63	24.486		
8,600.00	7,004.56	7,008.44	6,991.56	57.84	242.94	-116.82	404.04	-7,443.32	6,624.54	6,349.86	274.68	24.117		
8,700.00	7,003.59	7,009.41	6,990.59	60.16	242.98	-116.47	404.04	-7,443.32	6,524.56	6,249.83	274.73	23.749		
8,800.00	7,002.63	6,989.63	6,989.63	62.52	242.29	-116.11	404.04	-7,443.32	6,424.58	6,150.52	274.06	23.442		
8,900.00	7,001.66	6,988.66	6,988.66	64.92	242.25	-115.76	404.04	-7,443.32	6,324.61	6,050.56	274.04	23.079		
9,000.00	7,000.70	6,987.70	6,987.70	67.35	242.22	-115.41	404.04	-7,443.32	6,224.63	5,950.60	274.03	22.715		
9,100.00	6,999.73	6,986.73	6,986.73	69.81	242.18	-115.05	404.04	-7,443.32	6,124.66	5,850.64	274.02	22.351		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	6,985.77	6,985.77	72.31	242.15	-114.69	404.04	-7,443.32	6,024.68	5,750.67	274.01	21.987		
9,300.00	6,997.80	6,984.80	6,984.80	74.82	242.12	-114.33	404.04	-7,443.32	5,924.71	5,650.71	274.00	21.623		
9,400.00	6,996.84	6,983.84	6,983.84	77.36	242.08	-113.96	404.04	-7,443.32	5,824.74	5,550.74	274.00	21.258		
9,500.00	6,995.88	6,982.88	6,982.88	79.92	242.05	-113.60	404.04	-7,443.32	5,724.77	5,450.77	273.99	20.894		
9,600.00	6,994.91	6,981.91	6,981.91	82.49	242.02	-113.23	404.04	-7,443.32	5,624.80	5,350.81	273.99	20.529		
9,700.00	6,993.95	6,980.95	6,980.95	85.09	241.98	-112.86	404.04	-7,443.32	5,524.83	5,250.84	273.99	20.165		
9,800.00	6,992.98	6,979.98	6,979.98	87.70	241.95	-112.48	404.04	-7,443.32	5,424.86	5,150.87	273.99	19.800		
9,900.00	6,992.02	6,979.02	6,979.02	90.32	241.91	-112.11	404.04	-7,443.32	5,324.89	5,050.90	273.99	19.435		
10,000.00	6,991.05	6,978.05	6,978.05	92.95	241.88	-111.73	404.04	-7,443.32	5,224.92	4,950.93	273.99	19.070		
10,100.00	6,990.09	6,977.09	6,977.09	95.60	241.85	-111.36	404.04	-7,443.32	5,124.96	4,850.96	274.00	18.705		
10,200.00	6,989.12	6,976.12	6,976.12	98.26	241.81	-110.98	404.04	-7,443.32	5,024.99	4,750.99	274.00	18.339		
10,300.00	6,988.16	6,975.16	6,975.16	100.92	241.78	-110.59	404.04	-7,443.32	4,925.03	4,651.02	274.01	17.974		
10,400.00	6,987.19	6,974.19	6,974.19	103.60	241.75	-110.21	404.04	-7,443.32	4,825.07	4,551.05	274.02	17.608		
10,500.00	6,986.23	6,973.23	6,973.23	106.28	241.71	-109.82	404.04	-7,443.32	4,725.11	4,451.08	274.03	17.243		
10,600.00	6,985.26	6,972.26	6,972.26	108.98	241.68	-109.44	404.04	-7,443.32	4,625.15	4,351.10	274.05	16.877		
10,700.00	6,984.30	6,971.30	6,971.30	111.68	241.65	-109.05	404.04	-7,443.32	4,525.19	4,251.13	274.06	16.511		
10,800.00	6,983.33	6,970.33	6,970.33	114.38	241.61	-108.65	404.04	-7,443.32	4,425.24	4,151.16	274.08	16.146		
10,900.00	6,982.37	6,969.37	6,969.37	117.09	241.58	-108.26	404.04	-7,443.32	4,325.28	4,051.18	274.10	15.780		
11,000.00	6,981.40	6,968.40	6,968.40	119.81	241.54	-107.87	404.04	-7,443.32	4,225.33	3,951.21	274.13	15.414		
11,100.00	6,980.44	6,967.44	6,967.44	122.54	241.51	-107.47	404.04	-7,443.32	4,125.38	3,851.23	274.15	15.048		
11,200.00	6,979.47	6,966.47	6,966.47	125.26	241.48	-107.07	404.04	-7,443.32	4,025.44	3,751.25	274.18	14.682		
11,300.00	6,978.51	6,965.51	6,965.51	128.00	241.44	-106.67	404.04	-7,443.32	3,925.49	3,651.28	274.22	14.315		
11,400.00	6,977.54	6,964.54	6,964.54	130.73	241.41	-106.27	404.04	-7,443.32	3,825.55	3,551.30	274.25	13.949		
11,500.00	6,976.58	6,963.58	6,963.58	133.48	241.38	-105.86	404.04	-7,443.32	3,725.61	3,451.32	274.29	13.583		
11,600.00	6,975.62	6,962.62	6,962.62	136.22	241.34	-105.46	404.04	-7,443.32	3,625.67	3,351.34	274.33	13.216		
11,700.00	6,974.65	6,961.65	6,961.65	138.97	241.31	-105.05	404.04	-7,443.32	3,525.74	3,251.36	274.38	12.850		
11,800.00	6,973.69	6,960.69	6,960.69	141.73	241.27	-104.64	404.04	-7,443.32	3,425.81	3,151.38	274.43	12.483		
11,900.00	6,972.72	6,959.72	6,959.72	144.48	241.24	-104.23	404.04	-7,443.32	3,325.89	3,051.40	274.49	12.117		
12,000.00	6,971.76	6,958.76	6,958.76	147.24	241.21	-103.82	404.04	-7,443.32	3,225.97	2,951.41	274.55	11.750		
12,100.00	6,970.79	6,957.79	6,957.79	150.00	241.17	-103.41	404.04	-7,443.32	3,126.05	2,851.43	274.62	11.383		
12,200.00	6,969.83	6,956.83	6,956.83	152.77	241.14	-102.99	404.04	-7,443.32	3,026.14	2,751.44	274.70	11.016		
12,300.00	6,968.86	6,955.86	6,955.86	155.54	241.11	-102.58	404.04	-7,443.32	2,926.23	2,651.45	274.78	10.649		
12,400.00	6,967.90	6,954.90	6,954.90	158.31	241.07	-102.16	404.04	-7,443.32	2,826.33	2,551.46	274.88	10.282		
12,500.00	6,966.93	6,953.93	6,953.93	161.08	241.04	-101.74	404.04	-7,443.32	2,726.44	2,451.46	274.98	9.915		
12,600.00	6,965.97	6,952.97	6,952.97	163.85	241.01	-101.32	404.04	-7,443.32	2,626.56	2,351.47	275.09	9.548		
12,700.00	6,965.00	6,952.00	6,952.00	166.63	240.97	-100.90	404.04	-7,443.32	2,526.68	2,251.46	275.22	9.181		
12,800.00	6,964.04	6,951.04	6,951.04	169.41	240.94	-100.48	404.04	-7,443.32	2,426.82	2,151.46	275.36	8.813		
12,900.00	6,963.07	6,950.07	6,950.07	172.19	240.90	-100.06	404.04	-7,443.32	2,326.97	2,051.44	275.53	8.446		
13,000.00	6,962.11	6,949.11	6,949.11	174.97	240.87	-99.63	404.04	-7,443.32	2,227.12	1,951.42	275.71	8.078		
13,100.00	6,961.14	6,948.14	6,948.14	177.76	240.84	-99.21	404.04	-7,443.32	2,127.30	1,851.38	275.92	7.710		
13,200.00	6,960.18	6,947.18	6,947.18	180.54	240.80	-98.78	404.04	-7,443.32	2,027.49	1,751.33	276.15	7.342		
13,300.00	6,959.21	6,946.21	6,946.21	183.33	240.77	-98.35	404.04	-7,443.32	1,927.70	1,651.27	276.43	6.974		
13,400.00	6,958.25	6,945.25	6,945.25	186.12	240.74	-97.92	404.04	-7,443.32	1,827.93	1,551.18	276.75	6.605		
13,500.00	6,957.28	6,944.28	6,944.28	188.91	240.70	-97.49	404.04	-7,443.32	1,728.19	1,451.07	277.12	6.236		
13,600.00	6,956.32	6,943.32	6,943.32	191.70	240.67	-97.06	404.04	-7,443.32	1,628.48	1,350.92	277.55	5.867		
13,700.00	6,955.35	6,942.35	6,942.35	194.49	240.63	-96.63	404.04	-7,443.32	1,528.80	1,250.73	278.07	5.498		
13,800.00	6,954.39	6,941.39	6,941.39	197.29	240.60	-96.20	404.04	-7,443.32	1,429.17	1,150.47	278.70	5.128		
13,900.00	6,953.43	6,940.43	6,940.43	200.08	240.57	-95.77	404.04	-7,443.32	1,329.60	1,050.14	279.46	4.758		
14,000.00	6,952.46	6,939.46	6,939.46	202.88	240.53	-95.33	404.04	-7,443.32	1,230.09	949.70	280.40	4.387		
14,100.00	6,951.50	6,938.50	6,938.50	205.68	240.50	-94.90	404.04	-7,443.32	1,130.67	849.11	281.57	4.016		
14,200.00	6,950.53	6,937.53	6,937.53	208.48	240.47	-94.47	404.04	-7,443.32	1,031.37	748.32	283.05	3.644		
14,300.00	6,949.57	6,936.57	6,936.57	211.28	240.43	-94.03	404.04	-7,443.32	932.21	647.24	284.97	3.271		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Boomerang 21-5 - PEANUT #1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
14,400.00	6,948.60	6,935.60	6,935.60	214.08	240.40	-93.60	404.04	-7,443.32	833.24	545.75	287.50	2.898		
14,500.00	6,947.64	6,934.64	6,934.64	216.88	240.37	-93.16	404.04	-7,443.32	734.56	443.65	290.92	2.525		
14,600.00	6,946.67	6,933.67	6,933.67	219.68	240.33	-92.72	404.04	-7,443.32	636.29	340.62	295.68	2.152		
14,700.00	6,945.71	6,932.71	6,932.71	222.49	240.30	-92.29	404.04	-7,443.32	538.66	236.12	302.54	1.780		
14,800.00	6,944.74	6,931.74	6,931.74	225.29	240.26	-91.85	404.04	-7,443.32	442.08	129.18	312.89	1.413	Level 3	
14,900.00	6,943.78	6,930.78	6,930.78	228.10	240.23	-91.41	404.04	-7,443.32	347.44	17.97	329.46	1.055	Level 2	
15,000.00	6,942.81	6,929.81	6,929.81	230.90	240.20	-90.98	404.04	-7,443.32	256.89	-101.07	357.95	0.718	Level 1	
15,100.00	6,941.85	6,928.85	6,928.85	233.71	240.16	-90.54	404.04	-7,443.32	176.82	-232.33	409.15	0.432	Level 1	
15,200.00	6,940.88	6,927.88	6,927.88	236.52	240.13	-90.10	404.04	-7,443.32	128.61	-344.14	472.74	0.272	Level 1	
15,223.64	6,940.66	6,927.66	6,927.66	237.18	240.12	-90.00	404.04	-7,443.32	126.42	-350.89	477.30	0.265	Level 1, CC, ES, SF	
15,300.00	6,939.92	6,926.92	6,926.92	239.32	240.10	-89.67	404.04	-7,443.32	147.69	-297.96	445.65	0.331	Level 1	
15,400.00	6,938.95	6,925.95	6,925.95	242.13	240.06	-89.23	404.04	-7,443.32	216.98	-166.84	383.83	0.565	Level 1	
15,500.00	6,937.99	6,924.99	6,924.99	244.94	240.03	-88.79	404.04	-7,443.32	303.89	-42.76	346.65	0.877	Level 1	
15,600.00	6,937.02	6,924.02	6,924.02	247.75	240.00	-88.35	404.04	-7,443.32	397.01	71.51	325.50	1.220	Level 2	
15,706.13	6,936.00	6,923.00	6,923.00	250.74	239.96	-87.89	404.04	-7,443.32	498.75	186.80	311.96	1.599		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	35.00	35.00	3.28	3.34	-85.84	434.97	-5,977.69	5,993.50					
100.00	100.00	135.00	135.00	3.28	4.42	-85.84	434.97	-5,977.69	5,993.50	5,985.79	7.71	777.592		
200.00	200.00	235.00	235.00	3.34	7.24	-85.84	434.97	-5,977.69	5,993.50	5,982.92	10.58	566.463		
300.00	300.00	335.00	335.00	3.44	10.48	-85.84	434.97	-5,977.69	5,993.50	5,979.58	13.92	430.537		
400.00	399.98	434.98	434.98	3.60	13.83	-132.83	434.97	-5,977.69	5,994.69	5,977.25	17.44	343.806		
500.00	499.84	534.84	534.84	3.81	17.24	-132.82	434.97	-5,977.69	5,998.25	5,977.20	21.04	285.031		
600.00	599.45	634.45	634.45	4.05	20.67	-132.79	434.97	-5,977.69	6,004.18	5,979.47	24.71	242.991		
700.00	698.70	733.70	733.70	4.33	24.09	-132.75	434.97	-5,977.69	6,012.49	5,984.08	28.41	211.624		
800.00	797.47	832.47	832.47	4.64	27.51	-132.70	434.97	-5,977.69	6,023.18	5,991.04	32.14	187.431		
902.00	897.58	932.58	932.58	4.98	30.98	-132.64	434.97	-5,977.69	6,036.52	6,000.58	35.95	167.931		
1,000.00	993.42	1,028.42	1,028.42	5.33	34.31	-132.78	434.97	-5,977.69	6,050.56	6,010.94	39.62	152.712		
1,100.00	1,091.22	1,126.22	1,126.22	5.71	37.71	-132.92	434.97	-5,977.69	6,064.91	6,021.52	43.39	139.781		
1,200.00	1,189.02	1,224.02	1,224.02	6.11	41.12	-133.07	434.97	-5,977.69	6,079.31	6,032.13	47.17	128.869		
1,300.00	1,286.82	1,321.82	1,321.82	6.53	44.52	-133.21	434.97	-5,977.69	6,093.74	6,042.76	50.97	119.545		
1,400.00	1,384.62	1,419.62	1,419.62	6.95	47.93	-133.35	434.97	-5,977.69	6,108.20	6,053.42	54.79	111.492		
1,500.00	1,482.42	1,517.42	1,517.42	7.38	51.33	-133.49	434.97	-5,977.69	6,122.71	6,064.10	58.61	104.469		
1,600.00	1,580.22	1,615.22	1,615.22	7.83	54.74	-133.63	434.97	-5,977.69	6,137.25	6,074.81	62.44	98.295		
1,700.00	1,678.03	1,713.03	1,713.03	8.27	58.15	-133.77	434.97	-5,977.69	6,151.83	6,085.56	66.27	92.825		
1,800.00	1,775.83	1,810.83	1,810.83	8.72	61.56	-133.91	434.97	-5,977.69	6,166.44	6,096.33	70.12	87.947		
1,900.00	1,873.63	1,908.63	1,908.63	9.18	64.97	-134.04	434.97	-5,977.69	6,181.09	6,107.13	73.96	83.570		
2,000.00	1,971.43	2,006.43	2,006.43	9.64	68.38	-134.18	434.97	-5,977.69	6,195.78	6,117.96	77.81	79.623		
2,100.00	2,069.23	2,104.23	2,104.23	10.11	71.79	-134.32	434.97	-5,977.69	6,210.50	6,128.83	81.67	76.045		
2,200.00	2,167.03	2,202.03	2,202.03	10.57	75.20	-134.45	434.97	-5,977.69	6,225.26	6,139.73	85.53	72.787		
2,300.00	2,264.83	2,300.17	2,299.83	11.04	78.62	-134.59	434.97	-5,977.69	6,240.05	6,150.65	89.40	69.800		
2,400.00	2,362.63	2,402.37	2,397.63	11.52	82.19	-134.72	434.97	-5,977.69	6,254.87	6,161.46	93.42	66.958		
2,500.00	2,460.43	2,504.57	2,495.43	11.99	85.75	-134.86	434.97	-5,977.69	6,269.73	6,172.30	97.43	64.349		
2,600.00	2,558.23	2,606.77	2,593.23	12.47	89.32	-134.99	434.97	-5,977.69	6,284.62	6,183.17	101.45	61.945		
2,700.00	2,656.03	2,708.97	2,691.03	12.94	92.88	-135.12	434.97	-5,977.69	6,299.55	6,194.08	105.48	59.725		
2,800.00	2,753.83	2,788.83	2,788.83	13.42	95.67	-135.26	434.97	-5,977.69	6,314.51	6,205.79	108.72	58.081		
2,900.00	2,851.63	2,886.63	2,886.63	13.90	99.08	-135.39	434.97	-5,977.69	6,329.51	6,216.92	112.59	56.217		
3,000.00	2,949.43	2,984.43	2,984.43	14.38	102.49	-135.52	434.97	-5,977.69	6,344.54	6,228.07	116.46	54.477		
3,100.00	3,047.23	3,082.23	3,082.23	14.87	105.91	-135.65	434.97	-5,977.69	6,359.60	6,239.26	120.34	52.849		
3,200.00	3,145.03	3,180.03	3,180.03	15.35	109.32	-135.78	434.97	-5,977.69	6,374.69	6,250.48	124.21	51.322		
3,300.00	3,242.83	3,277.83	3,277.83	15.83	112.73	-135.91	434.97	-5,977.69	6,389.82	6,261.73	128.09	49.887		
3,400.00	3,340.63	3,375.63	3,375.63	16.32	116.14	-136.04	434.97	-5,977.69	6,404.97	6,273.01	131.96	48.537		
3,500.00	3,438.43	3,473.43	3,473.43	16.80	119.56	-136.16	434.97	-5,977.69	6,420.16	6,284.33	135.84	47.264		
3,600.00	3,536.23	3,571.23	3,571.23	17.29	122.97	-136.29	434.97	-5,977.69	6,435.39	6,295.67	139.71	46.061		
3,700.00	3,634.03	3,669.03	3,669.03	17.78	126.38	-136.42	434.97	-5,977.69	6,450.64	6,307.05	143.59	44.924		
3,800.00	3,731.83	3,766.83	3,766.83	18.26	129.80	-136.54	434.97	-5,977.69	6,465.92	6,318.45	147.47	43.846		
3,900.00	3,829.63	3,864.63	3,864.63	18.75	133.21	-136.67	434.97	-5,977.69	6,481.24	6,329.89	151.35	42.824		
4,000.00	3,927.43	3,962.43	3,962.43	19.24	136.62	-136.79	434.97	-5,977.69	6,496.59	6,341.36	155.23	41.852		
4,100.00	4,025.23	4,060.23	4,060.23	19.73	140.04	-136.92	434.97	-5,977.69	6,511.96	6,352.86	159.11	40.929		
4,200.00	4,123.03	4,158.03	4,158.03	20.22	143.45	-137.04	434.97	-5,977.69	6,527.37	6,364.39	162.98	40.049		
4,300.00	4,220.83	4,255.83	4,255.83	20.71	146.86	-137.17	434.97	-5,977.69	6,542.81	6,375.94	166.86	39.210		
4,400.00	4,318.63	4,353.63	4,353.63	21.20	150.28	-137.29	434.97	-5,977.69	6,558.28	6,387.53	170.74	38.410		
4,500.00	4,416.43	4,451.43	4,451.43	21.69	153.69	-137.41	434.97	-5,977.69	6,573.77	6,399.15	174.62	37.645		
4,600.00	4,514.23	4,549.23	4,549.23	22.18	157.10	-137.53	434.97	-5,977.69	6,589.30	6,410.80	178.51	36.914		
4,700.00	4,612.03	4,647.03	4,647.03	22.67	160.52	-137.65	434.97	-5,977.69	6,604.86	6,422.47	182.39	36.214		
4,800.00	4,709.83	4,744.83	4,744.83	23.16	163.93	-137.77	434.97	-5,977.69	6,620.44	6,434.18	186.27	35.543		
4,900.00	4,807.63	4,842.63	4,842.63	23.65	167.34	-137.89	434.97	-5,977.69	6,636.06	6,445.91	190.15	34.899		
5,000.00	4,905.43	4,940.43	4,940.43	24.14	170.76	-138.01	434.97	-5,977.69	6,651.70	6,457.67	194.03	34.282		
5,100.00	5,003.23	5,038.23	5,038.23	24.63	174.17	-138.13	434.97	-5,977.69	6,667.37	6,469.46	197.91	33.689		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,136.03	5,136.03	25.12	177.58	-138.25	434.97	-5,977.69	6,683.07	6,481.28	201.79	33.119		
5,300.00	5,198.83	5,233.83	5,233.83	25.62	181.00	-138.37	434.97	-5,977.69	6,698.80	6,493.13	205.67	32.570		
5,400.00	5,296.63	5,331.63	5,331.63	26.11	184.41	-138.48	434.97	-5,977.69	6,714.56	6,505.00	209.56	32.042		
5,500.00	5,394.43	5,429.43	5,429.43	26.60	187.83	-138.60	434.97	-5,977.69	6,730.34	6,516.91	213.44	31.533		
5,600.00	5,492.23	5,527.23	5,527.23	27.09	191.24	-138.72	434.97	-5,977.69	6,746.16	6,528.84	217.32	31.043		
5,700.00	5,590.03	5,625.03	5,625.03	27.58	194.65	-138.83	434.97	-5,977.69	6,762.00	6,540.79	221.20	30.569		
5,800.00	5,687.83	5,722.83	5,722.83	28.08	198.07	-138.95	434.97	-5,977.69	6,777.86	6,552.78	225.08	30.113		
5,900.00	5,785.63	5,820.63	5,820.63	28.57	201.48	-139.06	434.97	-5,977.69	6,793.76	6,564.79	228.97	29.672		
6,000.00	5,883.43	5,918.43	5,918.43	29.06	204.89	-139.18	434.97	-5,977.69	6,809.68	6,576.83	232.85	29.245		
6,100.00	5,981.23	6,016.23	6,016.23	29.56	208.31	-139.29	434.97	-5,977.69	6,825.62	6,588.89	236.73	28.833		
6,200.00	6,079.04	6,114.04	6,114.04	30.05	211.72	-139.40	434.97	-5,977.69	6,841.60	6,600.98	240.61	28.434		
6,300.00	6,176.84	6,211.84	6,211.84	30.54	215.14	-139.51	434.97	-5,977.69	6,857.60	6,613.10	244.49	28.048		
6,409.71	6,284.13	6,319.13	6,319.13	31.08	218.88	-139.64	434.97	-5,977.69	6,875.18	6,626.42	248.75	27.638		
6,450.00	6,323.71	6,358.71	6,358.71	31.28	220.26	-125.52	434.97	-5,977.69	6,880.38	6,630.06	250.32	27.486		
6,500.00	6,373.15	6,408.15	6,408.15	31.50	221.99	-98.06	434.97	-5,977.69	6,883.31	6,631.05	252.26	27.286		
6,550.00	6,422.65	6,457.65	6,457.65	31.70	223.72	-67.04	434.97	-5,977.69	6,882.33	6,628.14	254.20	27.075		
6,600.00	6,471.92	6,506.92	6,506.92	31.89	225.44	-45.67	434.97	-5,977.69	6,877.44	6,621.34	256.10	26.855		
6,650.00	6,520.65	6,555.65	6,555.65	32.07	227.14	-33.47	434.97	-5,977.69	6,868.66	6,610.70	257.96	26.626		
6,700.00	6,568.54	6,603.54	6,603.54	32.25	228.81	-26.28	434.97	-5,977.69	6,856.06	6,596.28	259.78	26.391		
6,750.00	6,615.30	6,650.30	6,650.30	32.43	230.44	-21.72	434.97	-5,977.69	6,839.71	6,578.16	261.55	26.151		
6,800.00	6,660.63	6,704.37	6,695.63	32.61	232.33	-18.65	434.97	-5,977.69	6,819.71	6,556.16	263.55	25.877		
6,850.00	6,704.26	6,739.26	6,739.26	32.80	233.55	-16.49	434.97	-5,977.69	6,796.18	6,531.32	264.86	25.659		
6,900.00	6,745.92	6,780.92	6,780.92	33.00	235.00	-14.94	434.97	-5,977.69	6,769.28	6,502.88	266.40	25.410		
6,950.00	6,785.34	6,820.34	6,820.34	33.21	236.38	-13.80	434.97	-5,977.69	6,739.15	6,471.31	267.84	25.161		
7,000.00	6,822.30	6,857.30	6,857.30	33.44	237.67	-12.97	434.97	-5,977.69	6,706.00	6,436.81	269.19	24.912		
7,050.00	6,856.55	6,908.45	6,891.55	33.69	239.45	-12.39	434.97	-5,977.69	6,670.02	6,399.00	271.01	24.611		
7,100.00	6,887.90	6,922.90	6,922.90	33.97	239.96	-12.02	434.97	-5,977.69	6,631.43	6,359.88	271.55	24.421		
7,150.00	6,916.14	6,951.14	6,951.14	34.28	240.94	-11.85	434.97	-5,977.69	6,590.48	6,317.92	272.55	24.180		
7,200.00	6,941.10	6,976.10	6,976.10	34.62	241.81	-11.89	434.97	-5,977.69	6,547.40	6,273.97	273.44	23.945		
7,250.00	6,962.63	7,002.37	6,997.63	35.00	242.73	-12.17	434.97	-5,977.69	6,502.48	6,228.12	274.36	23.701		
7,300.00	6,980.59	7,015.59	7,015.59	35.43	243.19	-12.81	434.97	-5,977.69	6,455.98	6,181.16	274.82	23.492		
7,350.00	6,994.88	7,029.88	7,029.88	35.89	243.69	-14.05	434.97	-5,977.69	6,408.18	6,132.87	275.32	23.276		
7,400.00	7,005.41	7,040.41	7,040.41	36.39	244.06	-16.58	434.97	-5,977.69	6,359.40	6,083.72	275.68	23.068		
7,450.00	7,012.10	7,047.10	7,047.10	36.93	244.29	-23.13	434.97	-5,977.69	6,309.91	6,034.00	275.91	22.870		
7,500.00	7,014.93	7,049.93	7,049.93	37.50	244.39	-59.68	434.97	-5,977.69	6,260.04	5,984.03	276.00	22.681		
7,517.56	7,015.00	7,050.00	7,050.00	37.70	244.39	-110.00	434.97	-5,977.69	6,242.49	5,966.48	276.01	22.617		
7,600.00	7,014.21	7,049.21	7,049.21	38.74	244.36	-109.75	434.97	-5,977.69	6,160.08	5,884.09	275.98	22.320		
7,700.00	7,013.24	7,048.24	7,048.24	40.15	244.33	-109.46	434.97	-5,977.69	6,060.12	5,784.16	275.96	21.960		
7,800.00	7,012.28	7,047.28	7,047.28	41.71	244.30	-109.16	434.97	-5,977.69	5,960.16	5,684.23	275.93	21.600		
7,900.00	7,011.31	7,046.31	7,046.31	43.40	244.26	-108.86	434.97	-5,977.69	5,860.20	5,584.30	275.90	21.240		
8,000.00	7,010.35	7,045.35	7,045.35	45.21	244.23	-108.56	434.97	-5,977.69	5,760.25	5,484.37	275.88	20.879		
8,100.00	7,009.38	7,044.38	7,044.38	47.12	244.20	-108.26	434.97	-5,977.69	5,660.30	5,384.44	275.86	20.519		
8,200.00	7,008.42	7,043.42	7,043.42	49.12	244.16	-107.96	434.97	-5,977.69	5,560.34	5,284.51	275.84	20.158		
8,300.00	7,007.45	7,042.45	7,042.45	51.21	244.13	-107.66	434.97	-5,977.69	5,460.39	5,184.57	275.82	19.797		
8,400.00	7,006.49	7,041.49	7,041.49	53.36	244.10	-107.35	434.97	-5,977.69	5,360.45	5,084.64	275.80	19.436		
8,500.00	7,005.52	7,040.52	7,040.52	55.57	244.06	-107.05	434.97	-5,977.69	5,260.50	4,984.71	275.79	19.075		
8,600.00	7,004.56	7,039.56	7,039.56	57.84	244.03	-106.74	434.97	-5,977.69	5,160.55	4,884.78	275.77	18.713		
8,700.00	7,003.59	7,038.59	7,038.59	60.16	243.99	-106.43	434.97	-5,977.69	5,060.61	4,784.85	275.76	18.352		
8,800.00	7,002.63	7,037.63	7,037.63	62.52	243.96	-106.13	434.97	-5,977.69	4,960.67	4,684.92	275.75	17.990		
8,900.00	7,001.66	7,036.66	7,036.66	64.92	243.93	-105.82	434.97	-5,977.69	4,860.73	4,584.99	275.74	17.628		
9,000.00	7,000.70	7,035.70	7,035.70	67.35	243.89	-105.51	434.97	-5,977.69	4,760.80	4,485.06	275.74	17.266		
9,100.00	6,999.73	7,034.73	7,034.73	69.81	243.86	-105.20	434.97	-5,977.69	4,660.86	4,385.13	275.73	16.904		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,033.77	7,033.77	72.31	243.83	-104.89	434.97	-5,977.69	4,560.93	4,285.20	275.73	16.541		
9,300.00	6,997.80	7,032.80	7,032.80	74.82	243.79	-104.57	434.97	-5,977.69	4,461.00	4,185.27	275.73	16.179		
9,400.00	6,996.84	7,031.84	7,031.84	77.36	243.76	-104.26	434.97	-5,977.69	4,361.08	4,085.34	275.73	15.816		
9,500.00	6,995.88	7,030.88	7,030.88	79.92	243.72	-103.94	434.97	-5,977.69	4,261.16	3,985.42	275.74	15.454		
9,600.00	6,994.91	7,029.91	7,029.91	82.49	243.69	-103.63	434.97	-5,977.69	4,161.24	3,885.49	275.75	15.091		
9,700.00	6,993.95	7,028.95	7,028.95	85.09	243.66	-103.31	434.97	-5,977.69	4,061.32	3,785.57	275.76	14.728		
9,800.00	6,992.98	7,027.98	7,027.98	87.70	243.62	-103.00	434.97	-5,977.69	3,961.41	3,685.64	275.77	14.365		
9,900.00	6,992.02	7,027.02	7,027.02	90.32	243.59	-102.68	434.97	-5,977.69	3,861.51	3,585.72	275.79	14.002		
10,000.00	6,991.05	7,026.05	7,026.05	92.95	243.56	-102.36	434.97	-5,977.69	3,761.61	3,485.79	275.81	13.638		
10,100.00	6,990.09	7,025.09	7,025.09	95.60	243.52	-102.04	434.97	-5,977.69	3,661.71	3,385.87	275.84	13.275		
10,200.00	6,989.12	7,024.12	7,024.12	98.26	243.49	-101.72	434.97	-5,977.69	3,561.82	3,285.95	275.87	12.911		
10,300.00	6,988.16	7,023.16	7,023.16	100.92	243.46	-101.40	434.97	-5,977.69	3,461.94	3,186.03	275.90	12.548		
10,400.00	6,987.19	7,022.19	7,022.19	103.60	243.42	-101.08	434.97	-5,977.69	3,362.06	3,086.11	275.94	12.184		
10,500.00	6,986.23	7,021.23	7,021.23	106.28	243.39	-100.76	434.97	-5,977.69	3,262.19	2,986.20	275.99	11.820		
10,600.00	6,985.26	7,020.26	7,020.26	108.98	243.35	-100.43	434.97	-5,977.69	3,162.32	2,886.28	276.04	11.456		
10,700.00	6,984.30	7,019.30	7,019.30	111.68	243.32	-100.11	434.97	-5,977.69	3,062.47	2,786.37	276.10	11.092		
10,800.00	6,983.33	7,018.33	7,018.33	114.38	243.29	-99.79	434.97	-5,977.69	2,962.63	2,686.45	276.17	10.727		
10,900.00	6,982.37	7,017.37	7,017.37	117.09	243.25	-99.46	434.97	-5,977.69	2,862.79	2,586.54	276.25	10.363		
11,000.00	6,981.40	7,016.40	7,016.40	119.81	243.22	-99.14	434.97	-5,977.69	2,762.97	2,486.63	276.34	9.998		
11,100.00	6,980.44	7,015.44	7,015.44	122.54	243.19	-98.81	434.97	-5,977.69	2,663.16	2,386.72	276.44	9.634		
11,200.00	6,979.47	7,014.47	7,014.47	125.26	243.15	-98.48	434.97	-5,977.69	2,563.37	2,286.81	276.56	9.269		
11,300.00	6,978.51	7,013.51	7,013.51	128.00	243.12	-98.16	434.97	-5,977.69	2,463.59	2,186.90	276.69	8.904		
11,400.00	6,977.54	7,012.54	7,012.54	130.73	243.09	-97.83	434.97	-5,977.69	2,363.83	2,086.99	276.84	8.539		
11,500.00	6,976.58	7,011.58	7,011.58	133.48	243.05	-97.50	434.97	-5,977.69	2,264.09	1,987.08	277.01	8.173		
11,600.00	6,975.62	7,010.62	7,010.62	136.22	243.02	-97.17	434.97	-5,977.69	2,164.37	1,887.16	277.21	7.808		
11,700.00	6,974.65	7,009.65	7,009.65	138.97	242.98	-96.84	434.97	-5,977.69	2,064.68	1,787.24	277.44	7.442		
11,800.00	6,973.69	7,008.69	7,008.69	141.73	242.95	-96.51	434.97	-5,977.69	1,965.03	1,687.31	277.71	7.076		
11,900.00	6,972.72	7,007.72	7,007.72	144.48	242.92	-96.18	434.97	-5,977.69	1,865.41	1,587.38	278.03	6.709		
12,000.00	6,971.76	7,006.76	7,006.76	147.24	242.88	-95.85	434.97	-5,977.69	1,765.83	1,487.43	278.40	6.343		
12,100.00	6,970.79	7,005.79	7,005.79	150.00	242.85	-95.52	434.97	-5,977.69	1,666.30	1,387.46	278.84	5.976		
12,200.00	6,969.83	7,004.83	7,004.83	152.77	242.82	-95.19	434.97	-5,977.69	1,566.83	1,287.46	279.37	5.608		
12,300.00	6,968.86	7,003.86	7,003.86	155.54	242.78	-94.86	434.97	-5,977.69	1,467.43	1,187.42	280.01	5.241		
12,400.00	6,967.90	7,002.90	7,002.90	158.31	242.75	-94.53	434.97	-5,977.69	1,368.12	1,087.34	280.78	4.873		
12,500.00	6,966.93	7,001.93	7,001.93	161.08	242.71	-94.20	434.97	-5,977.69	1,268.91	987.18	281.73	4.504		
12,600.00	6,965.97	7,000.97	7,000.97	163.85	242.68	-93.86	434.97	-5,977.69	1,169.84	886.92	282.92	4.135		
12,700.00	6,965.00	7,000.00	7,000.00	166.63	242.65	-93.53	434.97	-5,977.69	1,070.95	786.53	284.42	3.765		
12,800.00	6,964.04	7,000.96	6,999.04	169.41	242.68	-93.20	434.97	-5,977.69	972.27	685.86	286.41	3.395		
12,900.00	6,963.07	7,001.93	6,998.07	172.19	242.71	-92.86	434.97	-5,977.69	873.90	584.92	288.99	3.024		
13,000.00	6,962.11	7,002.89	6,997.11	174.97	242.75	-92.53	434.97	-5,977.69	775.95	483.55	292.39	2.654		
13,100.00	6,961.14	7,003.86	6,996.14	177.76	242.78	-92.20	434.97	-5,977.69	678.59	381.57	297.01	2.285		
13,200.00	6,960.18	7,004.82	6,995.18	180.54	242.82	-91.86	434.97	-5,977.69	582.12	278.66	303.46	1.918		
13,300.00	6,959.21	7,005.79	6,994.21	183.33	242.85	-91.53	434.97	-5,977.69	487.08	174.30	312.77	1.557		
13,400.00	6,958.25	7,006.75	6,993.25	186.12	242.88	-91.20	434.97	-5,977.69	394.49	67.68	326.81	1.207 Level 2		
13,500.00	6,957.28	7,007.72	6,992.28	188.91	242.92	-90.86	434.97	-5,977.69	306.59	-42.24	348.83	0.879 Level 1		
13,600.00	6,956.32	7,008.68	6,991.32	191.70	242.95	-90.53	434.97	-5,977.69	228.86	-154.71	383.57	0.597 Level 1		
13,700.00	6,955.35	7,009.65	6,990.35	194.49	242.98	-90.19	434.97	-5,977.69	175.36	-251.51	426.86	0.411 Level 1		
13,758.14	6,954.79	6,989.79	6,989.79	196.12	242.29	-90.00	434.97	-5,977.69	165.44	-272.97	438.41	0.377 Level 1, CC, ES, SF		
13,800.00	6,954.39	6,989.39	6,989.39	197.29	242.28	-89.86	434.97	-5,977.69	170.65	-263.03	433.68	0.393 Level 1		
13,900.00	6,953.43	6,988.43	6,988.43	200.08	242.24	-89.53	434.97	-5,977.69	217.93	-177.72	395.65	0.551 Level 1		
14,000.00	6,952.46	6,987.46	6,987.46	202.88	242.21	-89.19	434.97	-5,977.69	293.02	-67.02	360.04	0.814 Level 1		
14,100.00	6,951.50	6,986.50	6,986.50	205.68	242.18	-88.86	434.97	-5,977.69	379.77	43.01	336.77	1.128 Level 2		
14,200.00	6,950.53	6,985.53	6,985.53	208.48	242.14	-88.52	434.97	-5,977.69	471.80	149.98	321.82	1.466 Level 3		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	6,984.57	6,984.57	211.28	242.11	-88.19	434.97	-5,977.69	566.53	254.69	311.84	1.817		
14,400.00	6,948.60	6,983.60	6,983.60	214.08	242.07	-87.86	434.97	-5,977.69	662.81	357.93	304.88	2.174		
14,500.00	6,947.64	6,982.64	6,982.64	216.88	242.04	-87.52	434.97	-5,977.69	760.05	460.20	299.85	2.535		
14,600.00	6,946.67	6,981.67	6,981.67	219.68	242.01	-87.19	434.97	-5,977.69	857.92	561.82	296.10	2.897		
14,700.00	6,945.71	6,980.71	6,980.71	222.49	241.97	-86.86	434.97	-5,977.69	956.24	663.00	293.23	3.261		
14,800.00	6,944.74	6,979.74	6,979.74	225.29	241.94	-86.52	434.97	-5,977.69	1,054.86	763.87	291.00	3.625		
14,900.00	6,943.78	6,978.78	6,978.78	228.10	241.91	-86.19	434.97	-5,977.69	1,153.73	864.51	289.22	3.989		
15,000.00	6,942.81	6,977.81	6,977.81	230.90	241.87	-85.86	434.97	-5,977.69	1,252.77	964.98	287.79	4.353		
15,100.00	6,941.85	6,976.85	6,976.85	233.71	241.84	-85.53	434.97	-5,977.69	1,351.96	1,065.34	286.62	4.717		
15,200.00	6,940.88	6,975.88	6,975.88	236.52	241.81	-85.19	434.97	-5,977.69	1,451.25	1,165.60	285.65	5.080		
15,300.00	6,939.92	6,974.92	6,974.92	239.32	241.77	-84.86	434.97	-5,977.69	1,550.64	1,265.79	284.85	5.444		
15,400.00	6,938.95	6,973.95	6,973.95	242.13	241.74	-84.53	434.97	-5,977.69	1,650.10	1,365.93	284.17	5.807		
15,500.00	6,937.99	6,972.99	6,972.99	244.94	241.70	-84.20	434.97	-5,977.69	1,749.62	1,466.02	283.60	6.169		
15,600.00	6,937.02	6,972.02	6,972.02	247.75	241.67	-83.87	434.97	-5,977.69	1,849.19	1,566.08	283.11	6.532		
15,706.13	6,936.00	6,971.00	6,971.00	250.74	241.63	-83.52	434.97	-5,977.69	1,954.91	1,672.24	282.66	6.916		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-97.44	-1,121.28	-8,587.94	8,660.83					
100.00	100.00	133.00	133.00	3.28	4.38	-97.44	-1,121.28	-8,587.94	8,660.83	8,653.17	7.66	1,130.475		
200.00	200.00	233.00	233.00	3.34	7.18	-97.44	-1,121.28	-8,587.94	8,660.83	8,650.32	10.52	823.400		
300.00	300.00	333.00	333.00	3.44	10.41	-97.44	-1,121.28	-8,587.94	8,660.83	8,646.98	13.85	625.119		
400.00	399.98	432.98	432.98	3.60	13.77	-144.43	-1,121.28	-8,587.94	8,662.25	8,644.89	17.37	498.732		
500.00	499.84	532.84	532.84	3.81	17.17	-144.40	-1,121.28	-8,587.94	8,666.51	8,645.54	20.98	413.153		
600.00	599.45	632.45	632.45	4.05	20.60	-144.35	-1,121.28	-8,587.94	8,673.61	8,648.96	24.64	351.981		
700.00	698.70	731.70	731.70	4.33	24.02	-144.28	-1,121.28	-8,587.94	8,683.53	8,655.18	28.34	306.357		
800.00	797.47	830.47	830.47	4.64	27.44	-144.19	-1,121.28	-8,587.94	8,696.28	8,664.21	32.07	271.177		
902.00	897.58	930.58	930.58	4.98	30.92	-144.08	-1,121.28	-8,587.94	8,712.18	8,676.30	35.88	242.824		
1,000.00	993.42	1,026.42	1,026.42	5.33	34.24	-144.15	-1,121.28	-8,587.94	8,728.86	8,689.31	39.55	220.707		
1,100.00	1,091.22	1,124.22	1,124.22	5.71	37.64	-144.23	-1,121.28	-8,587.94	8,745.91	8,702.60	43.31	201.924		
1,200.00	1,189.02	1,222.02	1,222.02	6.11	41.05	-144.31	-1,121.28	-8,587.94	8,762.97	8,715.88	47.09	186.075		
1,300.00	1,286.82	1,319.82	1,319.82	6.53	44.45	-144.39	-1,121.28	-8,587.94	8,780.05	8,729.16	50.89	172.535		
1,400.00	1,384.62	1,417.62	1,417.62	6.95	47.86	-144.47	-1,121.28	-8,587.94	8,797.14	8,742.45	54.70	160.839		
1,500.00	1,482.42	1,515.42	1,515.42	7.38	51.26	-144.55	-1,121.28	-8,587.94	8,814.25	8,755.74	58.51	150.641		
1,600.00	1,580.22	1,613.22	1,613.22	7.83	54.67	-144.63	-1,121.28	-8,587.94	8,831.38	8,769.04	62.34	141.674		
1,700.00	1,678.03	1,711.03	1,711.03	8.27	58.08	-144.70	-1,121.28	-8,587.94	8,848.52	8,782.35	66.17	133.730		
1,800.00	1,775.83	1,808.83	1,808.83	8.72	61.49	-144.78	-1,121.28	-8,587.94	8,865.68	8,795.67	70.00	126.646		
1,900.00	1,873.63	1,906.63	1,906.63	9.18	64.90	-144.86	-1,121.28	-8,587.94	8,882.85	8,809.01	73.85	120.289		
2,000.00	1,971.43	2,004.43	2,004.43	9.64	68.31	-144.94	-1,121.28	-8,587.94	8,900.04	8,822.35	77.69	114.556		
2,100.00	2,069.23	2,102.23	2,102.23	10.11	71.72	-145.01	-1,121.28	-8,587.94	8,917.25	8,835.70	81.54	109.359		
2,200.00	2,167.03	2,200.03	2,200.03	10.57	75.13	-145.09	-1,121.28	-8,587.94	8,934.47	8,849.07	85.39	104.626		
2,300.00	2,264.83	2,302.17	2,297.83	11.04	78.69	-145.16	-1,121.28	-8,587.94	8,951.70	8,862.30	89.40	100.129		
2,400.00	2,362.63	2,404.37	2,395.63	11.52	82.26	-145.24	-1,121.28	-8,587.94	8,968.95	8,875.54	93.41	96.014		
2,500.00	2,460.43	2,506.57	2,493.43	11.99	85.82	-145.31	-1,121.28	-8,587.94	8,986.22	8,888.80	97.43	92.236		
2,600.00	2,558.23	2,608.77	2,591.23	12.47	89.39	-145.39	-1,121.28	-8,587.94	9,003.50	8,902.06	101.44	88.755		
2,700.00	2,656.03	2,689.03	2,689.03	12.94	92.19	-145.46	-1,121.28	-8,587.94	9,020.80	8,916.11	104.69	86.164		
2,800.00	2,753.83	2,786.83	2,786.83	13.42	95.60	-145.54	-1,121.28	-8,587.94	9,038.11	8,929.56	108.56	83.256		
2,900.00	2,851.63	2,884.63	2,884.63	13.90	99.01	-145.61	-1,121.28	-8,587.94	9,055.44	8,943.02	112.42	80.547		
3,000.00	2,949.43	2,982.43	2,982.43	14.38	102.42	-145.69	-1,121.28	-8,587.94	9,072.78	8,956.49	116.29	78.017		
3,100.00	3,047.23	3,080.23	3,080.23	14.87	105.84	-145.76	-1,121.28	-8,587.94	9,090.14	8,969.98	120.16	75.649		
3,200.00	3,145.03	3,178.03	3,178.03	15.35	109.25	-145.83	-1,121.28	-8,587.94	9,107.51	8,983.48	124.03	73.429		
3,300.00	3,242.83	3,275.83	3,275.83	15.83	112.66	-145.91	-1,121.28	-8,587.94	9,124.90	8,997.00	127.90	71.343		
3,400.00	3,340.63	3,373.63	3,373.63	16.32	116.07	-145.98	-1,121.28	-8,587.94	9,142.30	9,010.53	131.77	69.379		
3,500.00	3,438.43	3,471.43	3,471.43	16.80	119.49	-146.05	-1,121.28	-8,587.94	9,159.71	9,024.07	135.65	67.527		
3,600.00	3,536.23	3,569.23	3,569.23	17.29	122.90	-146.12	-1,121.28	-8,587.94	9,177.14	9,037.63	139.52	65.777		
3,700.00	3,634.03	3,667.03	3,667.03	17.78	126.31	-146.20	-1,121.28	-8,587.94	9,194.59	9,051.20	143.39	64.122		
3,800.00	3,731.83	3,764.83	3,764.83	18.26	129.73	-146.27	-1,121.28	-8,587.94	9,212.05	9,064.78	147.27	62.554		
3,900.00	3,829.63	3,862.63	3,862.63	18.75	133.14	-146.34	-1,121.28	-8,587.94	9,229.52	9,078.38	151.14	61.066		
4,000.00	3,927.43	3,960.43	3,960.43	19.24	136.55	-146.41	-1,121.28	-8,587.94	9,247.00	9,091.99	155.01	59.652		
4,100.00	4,025.23	4,058.23	4,058.23	19.73	139.97	-146.48	-1,121.28	-8,587.94	9,264.50	9,105.61	158.89	58.308		
4,200.00	4,123.03	4,156.03	4,156.03	20.22	143.38	-146.55	-1,121.28	-8,587.94	9,282.02	9,119.25	162.77	57.027		
4,300.00	4,220.83	4,253.83	4,253.83	20.71	146.79	-146.62	-1,121.28	-8,587.94	9,299.55	9,132.90	166.64	55.806		
4,400.00	4,318.63	4,351.63	4,351.63	21.20	150.21	-146.69	-1,121.28	-8,587.94	9,317.09	9,146.57	170.52	54.640		
4,500.00	4,416.43	4,449.43	4,449.43	21.69	153.62	-146.76	-1,121.28	-8,587.94	9,334.64	9,160.25	174.40	53.526		
4,600.00	4,514.23	4,547.23	4,547.23	22.18	157.03	-146.83	-1,121.28	-8,587.94	9,352.21	9,173.94	178.27	52.460		
4,700.00	4,612.03	4,645.03	4,645.03	22.67	160.45	-146.90	-1,121.28	-8,587.94	9,369.79	9,187.65	182.15	51.440		
4,800.00	4,709.83	4,742.83	4,742.83	23.16	163.86	-146.97	-1,121.28	-8,587.94	9,387.39	9,201.36	186.03	50.462		
4,900.00	4,807.63	4,840.63	4,840.63	23.65	167.27	-147.04	-1,121.28	-8,587.94	9,405.00	9,215.09	189.90	49.525		
5,000.00	4,905.43	4,938.43	4,938.43	24.14	170.69	-147.11	-1,121.28	-8,587.94	9,422.62	9,228.84	193.78	48.625		
5,100.00	5,003.23	5,036.23	5,036.23	24.63	174.10	-147.18	-1,121.28	-8,587.94	9,440.26	9,242.60	197.66	47.760		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,134.03	5,134.03	25.12	177.51	-147.24	-1,121.28	-8,587.94	9,457.91	9,256.37	201.54	46.928		
5,300.00	5,198.83	5,231.83	5,231.83	25.62	180.93	-147.31	-1,121.28	-8,587.94	9,475.57	9,270.15	205.42	46.128		
5,400.00	5,296.63	5,329.63	5,329.63	26.11	184.34	-147.38	-1,121.28	-8,587.94	9,493.24	9,283.95	209.30	45.358		
5,500.00	5,394.43	5,427.43	5,427.43	26.60	187.76	-147.45	-1,121.28	-8,587.94	9,510.93	9,297.75	213.18	44.615		
5,600.00	5,492.23	5,525.23	5,525.23	27.09	191.17	-147.51	-1,121.28	-8,587.94	9,528.63	9,311.58	217.05	43.900		
5,700.00	5,590.03	5,623.03	5,623.03	27.58	194.58	-147.58	-1,121.28	-8,587.94	9,546.34	9,325.41	220.93	43.209		
5,800.00	5,687.83	5,720.83	5,720.83	28.08	198.00	-147.65	-1,121.28	-8,587.94	9,564.07	9,339.26	224.81	42.542		
5,900.00	5,785.63	5,818.63	5,818.63	28.57	201.41	-147.71	-1,121.28	-8,587.94	9,581.81	9,353.12	228.69	41.898		
6,000.00	5,883.43	5,916.43	5,916.43	29.06	204.82	-147.78	-1,121.28	-8,587.94	9,599.56	9,366.99	232.57	41.276		
6,100.00	5,981.23	6,014.23	6,014.23	29.56	208.24	-147.85	-1,121.28	-8,587.94	9,617.32	9,380.87	236.45	40.673		
6,200.00	6,079.04	6,112.04	6,112.04	30.05	211.65	-147.91	-1,121.28	-8,587.94	9,635.10	9,394.77	240.33	40.091		
6,300.00	6,176.84	6,209.84	6,209.84	30.54	215.07	-147.98	-1,121.28	-8,587.94	9,652.89	9,408.68	244.21	39.527		
6,409.71	6,284.13	6,317.13	6,317.13	31.08	218.81	-148.05	-1,121.28	-8,587.94	9,672.42	9,423.95	248.47	38.928		
6,450.00	6,323.71	6,356.71	6,356.71	31.28	220.19	-133.84	-1,121.28	-8,587.94	9,678.35	9,428.32	250.03	38.708		
6,500.00	6,373.15	6,406.15	6,406.15	31.50	221.92	-106.31	-1,121.28	-8,587.94	9,682.24	9,430.26	251.98	38.425		
6,550.00	6,422.65	6,455.65	6,455.65	31.70	223.65	-75.27	-1,121.28	-8,587.94	9,682.25	9,428.34	253.91	38.132		
6,600.00	6,471.92	6,504.92	6,504.92	31.89	225.37	-53.94	-1,121.28	-8,587.94	9,678.40	9,422.58	255.82	37.833		
6,650.00	6,520.65	6,553.65	6,553.65	32.07	227.07	-41.82	-1,121.28	-8,587.94	9,670.71	9,413.02	257.68	37.529		
6,700.00	6,568.54	6,601.54	6,601.54	32.25	228.74	-34.77	-1,121.28	-8,587.94	9,659.22	9,399.71	259.51	37.222		
6,750.00	6,615.30	6,648.30	6,648.30	32.43	230.37	-30.42	-1,121.28	-8,587.94	9,644.00	9,382.73	261.27	36.912		
6,800.00	6,660.63	6,696.37	6,696.37	32.61	232.40	-27.63	-1,121.28	-8,587.94	9,625.16	9,361.75	263.41	36.540		
6,850.00	6,704.26	6,737.26	6,737.26	32.80	233.48	-25.84	-1,121.28	-8,587.94	9,602.81	9,338.22	264.59	36.293		
6,900.00	6,745.92	6,778.92	6,778.92	33.00	234.93	-24.73	-1,121.28	-8,587.94	9,577.09	9,310.96	266.13	35.987		
6,950.00	6,785.34	6,818.34	6,818.34	33.21	236.31	-24.15	-1,121.28	-8,587.94	9,548.15	9,280.58	267.57	35.685		
7,000.00	6,822.30	6,855.30	6,855.30	33.44	237.60	-24.03	-1,121.28	-8,587.94	9,516.19	9,247.27	268.92	35.387		
7,050.00	6,856.55	6,889.55	6,889.55	33.69	238.79	-24.32	-1,121.28	-8,587.94	9,481.38	9,211.23	270.16	35.096		
7,100.00	6,887.90	6,920.90	6,920.90	33.97	239.89	-25.05	-1,121.28	-8,587.94	9,443.96	9,172.68	271.29	34.812		
7,150.00	6,916.14	6,949.14	6,949.14	34.28	240.87	-26.29	-1,121.28	-8,587.94	9,404.15	9,131.85	272.30	34.536		
7,200.00	6,941.10	6,974.10	6,974.10	34.62	241.74	-28.15	-1,121.28	-8,587.94	9,362.19	9,089.00	273.19	34.270		
7,250.00	6,962.63	7,004.37	6,995.63	35.00	242.80	-30.86	-1,121.28	-8,587.94	9,318.35	9,044.09	274.26	33.976		
7,300.00	6,980.59	7,013.59	7,013.59	35.43	243.12	-34.81	-1,121.28	-8,587.94	9,272.89	8,998.30	274.60	33.769		
7,350.00	6,994.88	7,027.88	7,027.88	35.89	243.62	-40.66	-1,121.28	-8,587.94	9,226.10	8,950.99	275.11	33.536		
7,400.00	7,005.41	7,038.41	7,038.41	36.39	243.99	-49.63	-1,121.28	-8,587.94	9,178.26	8,902.77	275.49	33.316		
7,450.00	7,012.10	7,045.10	7,045.10	36.93	244.22	-63.65	-1,121.28	-8,587.94	9,129.66	8,853.92	275.74	33.109		
7,500.00	7,014.93	7,047.93	7,047.93	37.50	244.32	-84.47	-1,121.28	-8,587.94	9,080.61	8,804.74	275.86	32.917		
7,517.56	7,015.00	7,048.00	7,048.00	37.70	244.32	-93.09	-1,121.28	-8,587.94	9,063.33	8,787.45	275.88	32.853		
7,600.00	7,014.21	7,047.21	7,047.21	38.74	244.29	-93.06	-1,121.28	-8,587.94	8,982.19	8,706.29	275.90	32.556		
7,700.00	7,013.24	7,046.24	7,046.24	40.15	244.26	-93.03	-1,121.28	-8,587.94	8,883.80	8,607.87	275.93	32.195		
7,800.00	7,012.28	7,045.28	7,045.28	41.71	244.23	-92.99	-1,121.28	-8,587.94	8,785.45	8,509.47	275.98	31.833		
7,900.00	7,011.31	7,044.31	7,044.31	43.40	244.19	-92.96	-1,121.28	-8,587.94	8,687.14	8,411.09	276.05	31.470		
8,000.00	7,010.35	7,043.35	7,043.35	45.21	244.16	-92.92	-1,121.28	-8,587.94	8,588.86	8,312.74	276.12	31.105		
8,100.00	7,009.38	7,042.38	7,042.38	47.12	244.13	-92.89	-1,121.28	-8,587.94	8,490.63	8,214.42	276.21	30.740		
8,200.00	7,008.42	7,041.42	7,041.42	49.12	244.09	-92.85	-1,121.28	-8,587.94	8,392.43	8,116.12	276.31	30.373		
8,300.00	7,007.45	7,040.45	7,040.45	51.21	244.06	-92.82	-1,121.28	-8,587.94	8,294.28	8,017.85	276.43	30.005		
8,400.00	7,006.49	7,039.49	7,039.49	53.36	244.03	-92.78	-1,121.28	-8,587.94	8,196.18	7,919.61	276.57	29.635		
8,500.00	7,005.52	7,038.52	7,038.52	55.57	243.99	-92.75	-1,121.28	-8,587.94	8,098.12	7,821.40	276.72	29.264		
8,600.00	7,004.56	7,037.56	7,037.56	57.84	243.96	-92.71	-1,121.28	-8,587.94	8,000.11	7,723.21	276.89	28.893		
8,700.00	7,003.59	7,036.59	7,036.59	60.16	243.92	-92.68	-1,121.28	-8,587.94	7,902.14	7,625.06	277.08	28.519		
8,800.00	7,002.63	7,035.63	7,035.63	62.52	243.89	-92.65	-1,121.28	-8,587.94	7,804.23	7,526.95	277.29	28.145		
8,900.00	7,001.66	7,034.66	7,034.66	64.92	243.86	-92.61	-1,121.28	-8,587.94	7,706.38	7,428.86	277.52	27.769		
9,000.00	7,000.70	7,033.70	7,033.70	67.35	243.82	-92.58	-1,121.28	-8,587.94	7,608.58	7,330.81	277.77	27.392		
9,100.00	6,999.73	7,032.73	7,032.73	69.81	243.79	-92.54	-1,121.28	-8,587.94	7,510.83	7,232.79	278.04	27.014		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,031.77	7,031.77	72.31	243.76	-92.51	-1,121.28	-8,587.94	7,413.15	7,134.82	278.34	26.634		
9,300.00	6,997.80	7,030.80	7,030.80	74.82	243.72	-92.47	-1,121.28	-8,587.94	7,315.53	7,036.88	278.65	26.253		
9,400.00	6,996.84	7,029.84	7,029.84	77.36	243.69	-92.44	-1,121.28	-8,587.94	7,217.98	6,938.98	279.00	25.871		
9,500.00	6,995.88	7,028.88	7,028.88	79.92	243.66	-92.40	-1,121.28	-8,587.94	7,120.49	6,841.12	279.37	25.488		
9,600.00	6,994.91	7,027.91	7,027.91	82.49	243.62	-92.37	-1,121.28	-8,587.94	7,023.07	6,743.30	279.77	25.103		
9,700.00	6,993.95	7,026.95	7,026.95	85.09	243.59	-92.33	-1,121.28	-8,587.94	6,925.73	6,645.53	280.20	24.717		
9,800.00	6,992.98	7,025.98	7,025.98	87.70	243.55	-92.30	-1,121.28	-8,587.94	6,828.46	6,547.81	280.65	24.331		
9,900.00	6,992.02	7,025.02	7,025.02	90.32	243.52	-92.26	-1,121.28	-8,587.94	6,731.27	6,450.13	281.14	23.943		
10,000.00	6,991.05	7,024.05	7,024.05	92.95	243.49	-92.23	-1,121.28	-8,587.94	6,634.17	6,352.51	281.66	23.554		
10,100.00	6,990.09	7,023.09	7,023.09	95.60	243.45	-92.20	-1,121.28	-8,587.94	6,537.15	6,254.94	282.21	23.164		
10,200.00	6,989.12	7,022.12	7,022.12	98.26	243.42	-92.16	-1,121.28	-8,587.94	6,440.23	6,157.42	282.80	22.773		
10,300.00	6,988.16	7,021.16	7,021.16	100.92	243.39	-92.13	-1,121.28	-8,587.94	6,343.40	6,059.97	283.43	22.381		
10,400.00	6,987.19	7,020.19	7,020.19	103.60	243.35	-92.09	-1,121.28	-8,587.94	6,246.66	5,962.57	284.09	21.988		
10,500.00	6,986.23	7,019.23	7,019.23	106.28	243.32	-92.06	-1,121.28	-8,587.94	6,150.04	5,865.24	284.79	21.595		
10,600.00	6,985.26	7,018.26	7,018.26	108.98	243.28	-92.02	-1,121.28	-8,587.94	6,053.52	5,767.98	285.54	21.200		
10,700.00	6,984.30	7,017.30	7,017.30	111.68	243.25	-91.99	-1,121.28	-8,587.94	5,957.12	5,670.80	286.33	20.805		
10,800.00	6,983.33	7,016.33	7,016.33	114.38	243.22	-91.95	-1,121.28	-8,587.94	5,860.84	5,573.68	287.16	20.410		
10,900.00	6,982.37	7,015.37	7,015.37	117.09	243.18	-91.92	-1,121.28	-8,587.94	5,764.68	5,476.65	288.04	20.014		
11,000.00	6,981.40	7,014.40	7,014.40	119.81	243.15	-91.88	-1,121.28	-8,587.94	5,668.66	5,379.70	288.96	19.617		
11,100.00	6,980.44	7,013.44	7,013.44	122.54	243.12	-91.85	-1,121.28	-8,587.94	5,572.78	5,282.84	289.94	19.220		
11,200.00	6,979.47	7,012.47	7,012.47	125.26	243.08	-91.81	-1,121.28	-8,587.94	5,477.04	5,186.07	290.97	18.823		
11,300.00	6,978.51	7,011.51	7,011.51	128.00	243.05	-91.78	-1,121.28	-8,587.94	5,381.46	5,089.40	292.06	18.426		
11,400.00	6,977.54	7,010.54	7,010.54	130.73	243.02	-91.75	-1,121.28	-8,587.94	5,286.05	4,992.84	293.21	18.028		
11,500.00	6,976.58	7,009.58	7,009.58	133.48	242.98	-91.71	-1,121.28	-8,587.94	5,190.80	4,896.39	294.41	17.631		
11,600.00	6,975.62	7,008.62	7,008.62	136.22	242.95	-91.68	-1,121.28	-8,587.94	5,095.74	4,800.06	295.68	17.234		
11,700.00	6,974.65	7,007.65	7,007.65	138.97	242.91	-91.64	-1,121.28	-8,587.94	5,000.87	4,703.86	297.01	16.837		
11,800.00	6,973.69	7,006.69	7,006.69	141.73	242.88	-91.61	-1,121.28	-8,587.94	4,906.20	4,607.79	298.42	16.441		
11,900.00	6,972.72	7,005.72	7,005.72	144.48	242.85	-91.57	-1,121.28	-8,587.94	4,811.75	4,511.86	299.90	16.045		
12,000.00	6,971.76	7,004.76	7,004.76	147.24	242.81	-91.54	-1,121.28	-8,587.94	4,717.53	4,416.08	301.45	15.649		
12,100.00	6,970.79	7,003.79	7,003.79	150.00	242.78	-91.50	-1,121.28	-8,587.94	4,623.55	4,320.47	303.08	15.255		
12,200.00	6,969.83	7,002.83	7,002.83	152.77	242.75	-91.47	-1,121.28	-8,587.94	4,529.83	4,225.03	304.80	14.862		
12,300.00	6,968.86	7,001.86	7,001.86	155.54	242.71	-91.43	-1,121.28	-8,587.94	4,436.38	4,129.77	306.61	14.469		
12,400.00	6,967.90	7,000.90	7,000.90	158.31	242.68	-91.40	-1,121.28	-8,587.94	4,343.22	4,034.71	308.51	14.078		
12,500.00	6,966.93	7,000.07	6,999.93	161.08	242.65	-91.36	-1,121.28	-8,587.94	4,250.38	3,939.86	310.51	13.688		
12,600.00	6,965.97	7,001.03	6,998.97	163.85	242.68	-91.33	-1,121.28	-8,587.94	4,157.86	3,845.18	312.68	13.297		
12,700.00	6,965.00	7,002.00	6,998.00	166.63	242.72	-91.30	-1,121.28	-8,587.94	4,065.70	3,750.74	314.96	12.909		
12,800.00	6,964.04	7,002.96	6,997.04	169.41	242.75	-91.26	-1,121.28	-8,587.94	3,973.92	3,656.56	317.36	12.522		
12,900.00	6,963.07	7,003.93	6,996.07	172.19	242.78	-91.23	-1,121.28	-8,587.94	3,882.55	3,562.67	319.87	12.138		
13,000.00	6,962.11	7,004.89	6,995.11	174.97	242.82	-91.19	-1,121.28	-8,587.94	3,791.60	3,469.09	322.52	11.756		
13,100.00	6,961.14	7,005.86	6,994.14	177.76	242.85	-91.16	-1,121.28	-8,587.94	3,701.13	3,375.83	325.30	11.378		
13,200.00	6,960.18	7,006.82	6,993.18	180.54	242.89	-91.12	-1,121.28	-8,587.94	3,611.16	3,282.94	328.23	11.002		
13,300.00	6,959.21	7,007.79	6,992.21	183.33	242.92	-91.09	-1,121.28	-8,587.94	3,521.73	3,190.43	331.30	10.630		
13,400.00	6,958.25	7,008.75	6,991.25	186.12	242.95	-91.05	-1,121.28	-8,587.94	3,432.88	3,098.34	334.54	10.261		
13,500.00	6,957.28	7,009.72	6,990.28	188.91	242.99	-91.02	-1,121.28	-8,587.94	3,344.67	3,006.71	337.95	9.897		
13,600.00	6,956.32	6,989.32	6,989.32	191.70	242.27	-90.98	-1,121.28	-8,587.94	3,257.13	2,916.33	340.79	9.557		
13,700.00	6,955.35	6,988.35	6,988.35	194.49	242.24	-90.95	-1,121.28	-8,587.94	3,170.33	2,825.82	344.51	9.202		
13,800.00	6,954.39	6,987.39	6,987.39	197.29	242.21	-90.91	-1,121.28	-8,587.94	3,084.33	2,735.91	348.42	8.852		
13,900.00	6,953.43	6,986.43	6,986.43	200.08	242.17	-90.88	-1,121.28	-8,587.94	2,999.19	2,646.65	352.55	8.507		
14,000.00	6,952.46	6,985.46	6,985.46	202.88	242.14	-90.85	-1,121.28	-8,587.94	2,915.01	2,558.11	356.90	8.168		
14,100.00	6,951.50	6,984.50	6,984.50	205.68	242.11	-90.81	-1,121.28	-8,587.94	2,831.85	2,470.36	361.49	7.834		
14,200.00	6,950.53	6,983.53	6,983.53	208.48	242.07	-90.78	-1,121.28	-8,587.94	2,749.81	2,383.49	366.32	7.507		
14,300.00	6,949.57	6,982.57	6,982.57	211.28	242.04	-90.74	-1,121.28	-8,587.94	2,668.99	2,297.58	371.41	7.186		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - ROTHE #1-14 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,400.00	6,948.60	6,981.60	6,981.60	214.08	242.00	-90.71	-1,121.28	-8,587.94	2,589.52	2,212.74	376.77	6.873	
14,500.00	6,947.64	6,980.64	6,980.64	216.88	241.97	-90.67	-1,121.28	-8,587.94	2,511.51	2,129.10	382.41	6.568	
14,600.00	6,946.67	6,979.67	6,979.67	219.68	241.94	-90.64	-1,121.28	-8,587.94	2,435.11	2,046.77	388.34	6.271	
14,700.00	6,945.71	6,978.71	6,978.71	222.49	241.90	-90.60	-1,121.28	-8,587.94	2,360.47	1,965.92	394.55	5.983	
14,800.00	6,944.74	6,977.74	6,977.74	225.29	241.87	-90.57	-1,121.28	-8,587.94	2,287.78	1,886.72	401.06	5.704	
14,900.00	6,943.78	6,976.78	6,976.78	228.10	241.84	-90.53	-1,121.28	-8,587.94	2,217.20	1,809.35	407.85	5.436	
15,000.00	6,942.81	6,975.81	6,975.81	230.90	241.80	-90.50	-1,121.28	-8,587.94	2,148.97	1,734.04	414.93	5.179	
15,100.00	6,941.85	6,974.85	6,974.85	233.71	241.77	-90.46	-1,121.28	-8,587.94	2,083.30	1,661.03	422.27	4.934	
15,200.00	6,940.88	6,973.88	6,973.88	236.52	241.74	-90.43	-1,121.28	-8,587.94	2,020.45	1,590.60	429.84	4.700	
15,300.00	6,939.92	6,972.92	6,972.92	239.32	241.70	-90.39	-1,121.28	-8,587.94	1,960.68	1,523.06	437.62	4.480	
15,400.00	6,938.95	6,971.95	6,971.95	242.13	241.67	-90.36	-1,121.28	-8,587.94	1,904.29	1,458.75	445.54	4.274	
15,500.00	6,937.99	6,970.99	6,970.99	244.94	241.63	-90.33	-1,121.28	-8,587.94	1,851.59	1,398.05	453.55	4.082	
15,600.00	6,937.02	6,970.02	6,970.02	247.75	241.60	-90.29	-1,121.28	-8,587.94	1,802.90	1,341.35	461.55	3.906	
15,706.13	6,936.00	6,969.00	6,969.00	250.74	241.57	-90.25	-1,121.28	-8,587.94	1,755.99	1,286.05	469.94	3.737	CC, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-103.99	-1,358.96	-5,453.64	5,620.41					
100.00	100.00	63.97	63.96	3.28	3.28	-103.99	-1,358.82	-5,453.91	5,620.78	5,614.21	6.57	855.795		
200.00	200.00	155.66	155.65	3.34	3.31	-103.98	-1,358.27	-5,454.96	5,621.72	5,615.07	6.65	845.466		
300.00	300.00	264.57	264.56	3.44	3.41	-103.97	-1,357.77	-5,455.88	5,622.43	5,615.58	6.85	820.449		
400.00	399.98	382.83	382.81	3.60	3.58	-150.96	-1,357.24	-5,456.74	5,624.57	5,617.39	7.18	783.290		
500.00	499.84	492.38	492.36	3.81	3.79	-150.93	-1,356.68	-5,457.18	5,629.41	5,621.81	7.59	741.221		
600.00	599.45	610.74	610.72	4.05	4.07	-150.90	-1,355.87	-5,457.44	5,637.08	5,628.96	8.11	694.785		
700.00	698.70	714.93	714.90	4.33	4.35	-150.85	-1,354.83	-5,457.50	5,647.55	5,638.89	8.67	651.606		
800.00	797.47	802.71	802.68	4.64	4.60	-150.78	-1,353.94	-5,457.61	5,661.13	5,651.91	9.23	613.560		
902.00	897.58	897.03	896.99	4.98	4.90	-150.69	-1,352.92	-5,457.90	5,678.25	5,668.39	9.85	576.191		
1,000.00	993.42	1,005.79	1,005.71	5.33	5.25	-150.77	-1,350.30	-5,458.54	5,696.15	5,685.59	10.55	539.713		
1,100.00	1,091.22	1,057.92	1,057.78	5.71	5.44	-150.80	-1,347.84	-5,459.33	5,714.73	5,703.62	11.10	514.750		
1,200.00	1,189.02	1,119.25	1,118.95	6.11	5.67	-150.82	-1,343.69	-5,461.05	5,734.03	5,722.33	11.71	489.774		
1,300.00	1,286.82	1,201.34	1,200.60	6.53	6.01	-150.82	-1,335.90	-5,464.27	5,753.75	5,741.32	12.44	462.673		
1,400.00	1,384.62	1,310.71	1,308.83	6.95	6.55	-150.77	-1,321.24	-5,469.72	5,773.55	5,760.18	13.37	431.912		
1,500.00	1,482.42	1,466.10	1,461.39	7.38	7.44	-150.63	-1,293.05	-5,478.25	5,792.64	5,777.97	14.67	394.840		
1,600.00	1,580.22	1,689.36	1,677.49	7.83	8.97	-150.30	-1,238.58	-5,490.55	5,810.37	5,793.73	16.63	349.356		
1,700.00	1,678.03	1,844.93	1,825.22	8.27	10.25	-149.97	-1,190.50	-5,498.35	5,825.85	5,807.52	18.34	317.734		
1,800.00	1,775.83	1,900.00	1,876.90	8.72	10.73	-149.84	-1,171.81	-5,501.71	5,841.98	5,822.73	19.25	303.532		
1,900.00	1,873.63	1,956.58	1,929.77	9.18	11.26	-149.69	-1,152.05	-5,505.69	5,858.86	5,838.66	20.20	290.017		
2,000.00	1,971.43	2,027.95	1,996.11	9.64	11.95	-149.50	-1,126.35	-5,511.33	5,876.41	5,855.09	21.31	275.695		
2,100.00	2,069.23	2,122.62	2,083.55	10.11	12.88	-149.24	-1,090.93	-5,519.15	5,894.14	5,871.45	22.69	259.797		
2,200.00	2,167.03	2,193.85	2,149.27	10.57	13.59	-149.04	-1,064.13	-5,525.25	5,912.24	5,888.41	23.83	248.089		
2,300.00	2,264.83	2,289.78	2,237.97	11.04	14.51	-148.77	-1,028.56	-5,533.56	5,930.67	5,905.47	25.20	235.369		
2,400.00	2,362.63	2,365.58	2,308.19	11.52	15.23	-148.57	-1,000.78	-5,540.13	5,949.32	5,922.97	26.35	225.773		
2,500.00	2,460.43	2,451.68	2,387.94	11.99	16.03	-148.34	-969.27	-5,547.85	5,968.37	5,940.77	27.60	216.268		
2,600.00	2,558.23	2,612.84	2,537.21	12.47	17.53	-147.91	-910.10	-5,561.70	5,987.28	5,957.72	29.55	202.584		
2,700.00	2,656.03	2,683.31	2,602.22	12.94	18.19	-147.72	-883.56	-5,567.60	6,005.79	5,975.13	30.66	195.869		
2,800.00	2,753.83	2,744.04	2,658.19	13.42	18.77	-147.55	-860.59	-5,572.90	6,024.79	5,993.12	31.67	190.212		
2,900.00	2,851.63	2,800.00	2,709.85	13.90	19.30	-147.40	-839.71	-5,578.10	6,044.50	6,011.86	32.64	185.197		
3,000.00	2,949.43	2,981.61	2,877.67	14.38	20.97	-146.92	-772.17	-5,594.10	6,063.87	6,029.07	34.80	174.272		
3,100.00	3,047.23	3,081.04	2,969.89	14.87	21.84	-146.67	-735.85	-5,601.97	6,082.66	6,046.54	36.12	168.401		
3,200.00	3,145.03	3,140.72	3,025.53	15.35	22.35	-146.52	-714.77	-5,606.69	6,101.81	6,064.74	37.06	164.625		
3,300.00	3,242.83	3,200.00	3,080.85	15.83	22.85	-146.38	-694.11	-5,611.81	6,121.72	6,083.72	38.00	161.103		
3,400.00	3,340.63	3,411.87	3,277.76	16.32	24.67	-145.86	-617.95	-5,629.42	6,141.63	6,101.31	40.32	152.310		
3,500.00	3,438.43	3,488.61	3,349.00	16.80	25.33	-145.67	-589.95	-5,635.02	6,160.29	6,118.87	41.42	148.712		
3,600.00	3,536.23	3,500.00	3,359.57	17.29	25.42	-145.65	-585.82	-5,635.87	6,179.76	6,137.82	41.94	147.355		
3,700.00	3,634.03	3,561.91	3,417.05	17.78	25.97	-145.49	-563.41	-5,641.05	6,199.89	6,156.97	42.91	144.470		
3,800.00	3,731.83	3,600.00	3,452.38	18.26	26.30	-145.40	-549.66	-5,644.80	6,221.25	6,177.58	43.67	142.471		
3,900.00	3,829.63	3,839.05	3,673.18	18.75	28.47	-144.80	-460.66	-5,666.30	6,241.53	6,195.17	46.36	134.617		
4,000.00	3,927.43	3,954.18	3,778.97	19.24	29.54	-144.50	-416.20	-5,675.58	6,261.18	6,213.29	47.89	130.740		
4,100.00	4,025.23	4,037.13	3,855.13	19.73	30.31	-144.28	-383.95	-5,682.10	6,280.73	6,231.62	49.11	127.896		
4,200.00	4,123.03	4,100.00	3,912.80	20.22	30.89	-144.11	-359.51	-5,687.37	6,300.86	6,250.73	50.13	125.688		
4,300.00	4,220.83	4,185.43	3,991.45	20.71	31.68	-143.90	-326.96	-5,694.73	6,321.42	6,270.06	51.36	123.087		
4,400.00	4,318.63	4,268.74	4,068.48	21.20	32.42	-143.69	-296.05	-5,701.88	6,342.18	6,289.63	52.54	120.702		
4,500.00	4,416.43	4,400.16	4,189.98	21.69	33.58	-143.38	-247.25	-5,713.05	6,363.00	6,308.82	54.18	117.447		
4,600.00	4,514.23	4,482.77	4,266.39	22.18	34.31	-143.18	-216.56	-5,719.82	6,383.60	6,328.26	55.35	115.341		
4,700.00	4,612.03	4,552.45	4,330.79	22.67	34.93	-143.01	-190.62	-5,725.72	6,404.55	6,348.15	56.40	113.559		
4,800.00	4,709.83	4,631.08	4,403.37	23.16	35.63	-142.82	-161.20	-5,732.73	6,425.99	6,368.45	57.54	111.687		
4,900.00	4,807.63	4,727.15	4,492.37	23.65	36.47	-142.60	-126.03	-5,741.17	6,447.49	6,388.66	58.83	109.602		
5,000.00	4,905.43	4,800.00	4,560.04	24.14	37.10	-142.44	-99.85	-5,747.70	6,469.31	6,409.43	59.88	108.033		
5,100.00	5,003.23	4,909.89	4,661.84	24.63	38.06	-142.19	-59.68	-5,757.70	6,491.31	6,430.00	61.30	105.887		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,033.09	4,775.48	25.12	39.17	-141.90	-13.33	-5,768.30	6,512.78	6,449.91	62.88	103.582		
5,300.00	5,198.83	5,100.00	4,837.24	25.62	39.77	-141.74	11.74	-5,774.22	6,534.64	6,470.74	63.90	102.262		
5,400.00	5,296.63	5,192.54	4,922.82	26.11	40.59	-141.53	45.93	-5,782.59	6,556.83	6,491.67	65.16	100.622		
5,500.00	5,394.43	5,311.17	5,032.77	26.60	41.62	-141.27	89.26	-5,792.99	6,578.89	6,512.23	66.66	98.700		
5,600.00	5,492.23	5,376.81	5,093.51	27.09	42.20	-141.12	113.44	-5,798.81	6,601.09	6,533.43	67.65	97.570		
5,700.00	5,590.03	5,509.89	5,216.26	27.58	43.39	-140.82	163.49	-5,810.59	6,623.36	6,554.04	69.32	95.548		
5,800.00	5,687.83	5,578.07	5,279.29	28.08	43.99	-140.67	188.79	-5,816.50	6,645.56	6,575.22	70.34	94.479		
5,900.00	5,785.63	5,756.57	5,444.78	28.57	45.50	-140.28	254.16	-5,830.74	6,667.02	6,594.66	72.36	92.140		
6,000.00	5,883.43	5,904.91	5,583.86	29.06	46.64	-140.00	304.56	-5,841.54	6,688.36	6,614.38	73.98	90.410		
6,100.00	5,981.23	6,134.89	5,804.23	29.56	47.95	-139.70	368.97	-5,853.46	6,707.74	6,631.90	75.84	88.446		
6,200.00	6,079.04	6,200.00	5,867.43	30.05	48.26	-139.64	384.37	-5,856.42	6,726.86	6,650.27	76.59	87.827		
6,300.00	6,176.84	6,281.67	5,947.19	30.54	48.61	-139.58	401.44	-5,860.30	6,746.38	6,668.99	77.39	87.172		
6,409.71	6,284.13	6,415.29	6,078.67	31.08	49.11	-139.54	424.55	-5,865.96	6,767.48	6,689.06	78.42	86.295		
6,450.00	6,323.71	6,446.11	6,109.10	31.28	49.21	-125.37	429.31	-5,867.21	6,773.94	6,695.24	78.71	86.067		
6,500.00	6,373.15	6,484.71	6,147.27	31.50	49.34	-97.85	434.78	-5,868.80	6,778.52	6,699.47	79.05	85.753		
6,550.00	6,422.65	6,521.97	6,184.19	31.70	49.46	-66.77	439.56	-5,870.37	6,779.26	6,699.90	79.36	85.425		
6,600.00	6,471.92	6,830.03	6,490.99	31.89	50.30	-45.49	465.34	-5,877.74	6,775.89	6,695.34	80.55	84.120		
6,650.00	6,520.65	6,873.24	6,534.15	32.07	50.41	-33.26	467.43	-5,877.79	6,767.00	6,686.18	80.82	83.726		
6,700.00	6,568.54	6,913.67	6,574.55	32.25	50.51	-26.04	468.95	-5,877.84	6,754.32	6,673.25	81.07	83.314		
6,750.00	6,615.30	6,949.83	6,610.70	32.43	50.59	-21.45	470.01	-5,877.92	6,737.97	6,656.68	81.29	82.890		
6,800.00	6,660.63	6,984.89	6,645.74	32.61	50.68	-18.35	470.79	-5,878.03	6,718.03	6,636.54	81.49	82.443		
6,850.00	6,704.26	7,024.76	6,685.61	32.80	50.77	-16.17	471.43	-5,878.21	6,694.62	6,612.94	81.68	81.957		
6,900.00	6,745.92	7,067.58	6,728.42	33.00	50.88	-14.59	472.03	-5,878.38	6,667.82	6,585.95	81.88	81.438		
6,950.00	6,785.34	7,108.10	6,768.94	33.21	50.98	-13.42	472.56	-5,878.55	6,637.80	6,555.75	82.05	80.903		
7,000.00	6,822.30	7,143.03	6,803.87	33.44	51.06	-12.56	473.01	-5,878.69	6,604.74	6,522.55	82.19	80.360		
7,050.00	6,856.55	7,175.95	6,836.78	33.69	51.14	-11.93	473.45	-5,878.83	6,568.85	6,486.54	82.31	79.801		
7,100.00	6,887.90	7,206.60	6,867.43	33.97	51.22	-11.51	473.87	-5,878.97	6,530.36	6,447.93	82.42	79.229		
7,150.00	6,916.14	7,235.98	6,896.81	34.28	51.29	-11.27	474.30	-5,879.11	6,489.48	6,406.96	82.52	78.641		
7,200.00	6,941.10	7,261.97	6,922.79	34.62	51.35	-11.21	474.69	-5,879.23	6,446.48	6,363.88	82.60	78.045		
7,250.00	6,962.63	7,284.41	6,945.23	35.00	51.41	-11.37	475.03	-5,879.33	6,401.60	6,318.94	82.66	77.442		
7,300.00	6,980.59	7,303.16	6,963.98	35.43	51.45	-11.82	475.33	-5,879.41	6,355.14	6,272.43	82.71	76.835		
7,350.00	6,994.88	7,311.84	6,972.66	35.89	51.48	-12.70	475.47	-5,879.45	6,307.39	6,224.66	82.73	76.242		
7,400.00	7,005.41	7,319.13	6,979.94	36.39	51.49	-14.56	475.58	-5,879.49	6,258.63	6,175.89	82.74	75.640		
7,450.00	7,012.10	7,323.85	6,984.66	36.93	51.50	-19.40	475.65	-5,879.52	6,209.17	6,126.42	82.75	75.036		
7,500.00	7,014.93	7,325.95	6,986.77	37.50	51.51	-47.28	475.68	-5,879.53	6,159.30	6,076.55	82.75	74.430		
7,517.56	7,015.00	7,326.07	6,986.89	37.70	51.51	-101.83	475.68	-5,879.53	6,141.75	6,059.00	82.75	74.216		
7,600.00	7,014.21	7,325.84	6,986.66	38.74	51.51	-101.74	475.68	-5,879.53	6,059.33	5,976.57	82.76	73.218		
7,700.00	7,013.24	7,325.56	6,986.37	40.15	51.51	-101.62	475.68	-5,879.53	5,959.35	5,876.59	82.76	72.005		
7,800.00	7,012.28	7,325.27	6,986.09	41.71	51.51	-101.49	475.67	-5,879.53	5,859.38	5,776.61	82.77	70.792		
7,900.00	7,011.31	7,324.98	6,985.80	43.40	51.51	-101.37	475.67	-5,879.53	5,759.40	5,676.63	82.78	69.578		
8,000.00	7,010.35	7,324.69	6,985.51	45.21	51.51	-101.25	475.66	-5,879.53	5,659.43	5,576.64	82.79	68.362		
8,100.00	7,009.38	7,324.40	6,985.21	47.12	51.51	-101.12	475.66	-5,879.52	5,559.46	5,476.66	82.80	67.146		
8,200.00	7,008.42	7,324.10	6,984.92	49.12	51.51	-100.99	475.65	-5,879.52	5,459.49	5,376.68	82.81	65.929		
8,300.00	7,007.45	7,323.80	6,984.61	51.21	51.50	-100.87	475.65	-5,879.52	5,359.52	5,276.69	82.82	64.711		
8,400.00	7,006.49	7,323.49	6,984.31	53.36	51.50	-100.74	475.64	-5,879.52	5,259.55	5,176.71	82.84	63.492		
8,500.00	7,005.52	7,323.19	6,984.00	55.57	51.50	-100.60	475.64	-5,879.52	5,159.58	5,076.72	82.85	62.273		
8,600.00	7,004.56	7,322.88	6,983.69	57.84	51.50	-100.47	475.64	-5,879.51	5,059.61	4,976.74	82.87	61.053		
8,700.00	7,003.59	7,322.56	6,983.38	60.16	51.50	-100.34	475.63	-5,879.51	4,959.65	4,876.75	82.89	59.832		
8,800.00	7,002.63	7,322.24	6,983.06	62.52	51.50	-100.20	475.63	-5,879.51	4,859.68	4,776.77	82.91	58.611		
8,900.00	7,001.66	7,321.92	6,982.74	64.92	51.50	-100.06	475.62	-5,879.51	4,759.72	4,676.78	82.94	57.389		
9,000.00	7,000.70	7,321.60	6,982.41	67.35	51.50	-99.92	475.62	-5,879.51	4,659.76	4,576.80	82.96	56.167		
9,100.00	6,999.73	7,321.27	6,982.09	69.81	51.50	-99.78	475.61	-5,879.50	4,559.80	4,476.81	82.99	54.944		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SOUTH #6-21D - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	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)					
9,200.00	6,998.77	7,320.94	6,981.75	72.31	51.50	-99.64	475.61	-5,879.50	4,459.84	4,376.82	83.02	53.721				
9,300.00	6,997.80	7,320.60	6,981.42	74.82	51.50	-99.49	475.60	-5,879.50	4,359.89	4,276.84	83.05	52.497				
9,400.00	6,996.84	7,320.26	6,981.08	77.36	51.50	-99.35	475.60	-5,879.50	4,259.93	4,176.85	83.08	51.273				
9,500.00	6,995.88	7,319.92	6,980.73	79.92	51.50	-99.20	475.59	-5,879.50	4,159.98	4,076.86	83.12	50.049				
9,600.00	6,994.91	7,319.57	6,980.39	82.49	51.49	-99.05	475.58	-5,879.49	4,060.03	3,976.87	83.16	48.824				
9,700.00	6,993.95	7,319.22	6,980.04	85.09	51.49	-98.89	475.58	-5,879.49	3,960.09	3,876.89	83.20	47.599				
9,800.00	6,992.98	7,318.86	6,979.68	87.70	51.49	-98.74	475.57	-5,879.49	3,860.14	3,776.90	83.24	46.373				
9,900.00	6,992.02	7,318.50	6,979.32	90.32	51.49	-98.58	475.57	-5,879.49	3,760.20	3,676.91	83.29	45.148				
10,000.00	6,991.05	7,318.14	6,978.96	92.95	51.49	-98.43	475.56	-5,879.49	3,660.26	3,576.93	83.34	43.922				
10,100.00	6,990.09	7,317.77	6,978.59	95.60	51.49	-98.27	475.56	-5,879.48	3,560.33	3,476.94	83.39	42.696				
10,200.00	6,989.12	7,317.40	6,978.21	98.26	51.49	-98.11	475.55	-5,879.48	3,460.40	3,376.95	83.44	41.470				
10,300.00	6,988.16	7,317.02	6,977.84	100.92	51.49	-97.94	475.55	-5,879.48	3,360.47	3,276.97	83.50	40.244				
10,400.00	6,987.19	7,316.64	6,977.45	103.60	51.49	-97.77	475.54	-5,879.48	3,260.55	3,176.98	83.57	39.017				
10,500.00	6,986.23	7,316.25	6,977.07	106.28	51.49	-97.61	475.53	-5,879.48	3,160.63	3,077.00	83.64	37.790				
10,600.00	6,985.26	7,315.86	6,976.68	108.98	51.49	-97.44	475.53	-5,879.47	3,060.72	2,977.01	83.71	36.563				
10,700.00	6,984.30	7,315.46	6,976.28	111.68	51.48	-97.26	475.52	-5,879.47	2,960.82	2,877.03	83.79	35.336				
10,800.00	6,983.33	7,315.06	6,975.88	114.38	51.48	-97.09	475.52	-5,879.47	2,860.92	2,777.04	83.88	34.109				
10,900.00	6,982.37	7,314.65	6,975.47	117.09	51.48	-96.91	475.51	-5,879.47	2,761.02	2,677.05	83.97	32.881				
11,000.00	6,981.40	7,314.24	6,975.06	119.81	51.48	-96.73	475.50	-5,879.46	2,661.14	2,577.07	84.07	31.653				
11,100.00	6,980.44	7,313.83	6,974.65	122.54	51.48	-96.55	475.50	-5,879.46	2,561.27	2,477.08	84.18	30.425				
11,200.00	6,979.47	7,313.41	6,974.22	125.26	51.48	-96.37	475.49	-5,879.46	2,461.40	2,377.10	84.31	29.196				
11,300.00	6,978.51	7,312.98	6,973.80	128.00	51.48	-96.18	475.48	-5,879.46	2,361.55	2,277.11	84.44	27.967				
11,400.00	6,977.54	7,312.55	6,973.36	130.73	51.48	-95.99	475.48	-5,879.46	2,261.71	2,177.12	84.59	26.737				
11,500.00	6,976.58	7,312.11	6,972.93	133.48	51.48	-95.80	475.47	-5,879.45	2,161.88	2,077.12	84.76	25.506				
11,600.00	6,975.62	7,311.66	6,972.48	136.22	51.47	-95.60	475.46	-5,879.45	2,062.07	1,977.12	84.95	24.275				
11,700.00	6,974.65	7,311.21	6,972.03	138.97	51.47	-95.41	475.46	-5,879.45	1,962.28	1,877.12	85.16	23.042				
11,800.00	6,973.69	7,310.76	6,971.58	141.73	51.47	-95.21	475.45	-5,879.45	1,862.51	1,777.11	85.40	21.808				
11,900.00	6,972.72	7,310.29	6,971.11	144.48	51.47	-95.00	475.44	-5,879.44	1,762.77	1,677.09	85.68	20.573				
12,000.00	6,971.76	7,309.83	6,970.65	147.24	51.47	-94.80	475.43	-5,879.44	1,663.06	1,577.05	86.01	19.336				
12,100.00	6,970.79	7,309.35	6,970.17	150.00	51.47	-94.59	475.43	-5,879.44	1,563.39	1,476.99	86.39	18.096				
12,200.00	6,969.83	7,309.98	6,970.80	152.77	51.47	-94.87	475.44	-5,879.44	1,463.75	1,376.90	86.86	16.852				
12,300.00	6,968.86	7,309.36	6,970.18	155.54	51.47	-94.59	475.43	-5,879.44	1,364.18	1,276.77	87.41	15.607				
12,400.00	6,967.90	7,308.75	6,969.57	158.31	51.47	-94.32	475.42	-5,879.43	1,264.67	1,176.60	88.07	14.359				
12,500.00	6,966.93	7,308.13	6,968.95	161.08	51.47	-94.05	475.41	-5,879.43	1,165.25	1,076.35	88.90	13.108				
12,600.00	6,965.97	7,307.52	6,968.34	163.85	51.46	-93.78	475.40	-5,879.43	1,065.93	975.99	89.94	11.852				
12,700.00	6,965.00	7,306.90	6,967.72	166.63	51.46	-93.51	475.39	-5,879.43	966.75	875.48	91.28	10.592				
12,800.00	6,964.04	7,306.29	6,967.11	169.41	51.46	-93.24	475.38	-5,879.42	867.77	774.74	93.03	9.328				
12,900.00	6,963.07	7,305.67	6,966.49	172.19	51.46	-92.97	475.37	-5,879.42	769.04	673.65	95.39	8.062				
13,000.00	6,962.11	7,305.06	6,965.88	174.97	51.46	-92.70	475.36	-5,879.42	670.69	572.04	98.65	6.799				
13,100.00	6,961.14	7,304.45	6,965.27	177.76	51.46	-92.43	475.35	-5,879.41	572.91	469.60	103.31	5.545				
13,200.00	6,960.18	7,303.84	6,964.66	180.54	51.46	-92.16	475.34	-5,879.41	476.06	365.79	110.27	4.317				
13,300.00	6,959.21	7,303.23	6,964.05	183.33	51.45	-91.89	475.33	-5,879.41	380.83	259.67	121.16	3.143				
13,400.00	6,958.25	7,302.62	6,963.44	186.12	51.45	-91.62	475.32	-5,879.41	288.84	149.59	139.25	2.074				
13,500.00	6,957.28	7,302.01	6,962.83	188.91	51.45	-91.35	475.31	-5,879.40	204.52	33.90	170.62	1.199 Level 2				
13,600.00	6,956.32	7,301.40	6,962.22	191.70	51.45	-91.08	475.30	-5,879.40	142.23	-73.42	215.65	0.660 Level 1				
13,658.01	6,955.76	7,301.04	6,961.86	193.32	51.45	-90.93	475.30	-5,879.40	129.86	-97.58	227.44	0.571 Level 1, CC, ES, SF				
13,700.00	6,955.35	7,300.79	6,961.61	194.49	51.45	-90.82	475.29	-5,879.40	136.48	-82.66	219.14	0.623 Level 1				
13,800.00	6,954.39	7,300.18	6,961.00	197.29	51.45	-90.55	475.28	-5,879.40	192.42	16.04	176.37	1.091 Level 2				
13,900.00	6,953.43	7,299.57	6,960.39	200.08	51.44	-90.28	475.27	-5,879.39	274.63	130.17	144.45	1.901				
14,000.00	6,952.46	7,298.96	6,959.78	202.88	51.44	-90.01	475.26	-5,879.39	365.81	239.87	125.94	2.905				
14,100.00	6,951.50	7,298.36	6,959.18	205.68	51.44	-89.74	475.25	-5,879.39	460.66	345.85	114.82	4.012				
14,200.00	6,950.53	7,297.75	6,958.57	208.48	51.44	-89.48	475.24	-5,879.39	557.32	449.62	107.70	5.175				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	7,297.14	6,957.96	211.28	51.44	-89.21	475.23	-5,879.38	654.98	552.06	102.92	6.364		
14,400.00	6,948.60	7,296.54	6,957.36	214.08	51.44	-88.94	475.22	-5,879.38	753.25	653.70	99.56	7.566		
14,500.00	6,947.64	7,295.93	6,956.75	216.88	51.44	-88.68	475.21	-5,879.38	851.93	754.81	97.12	8.772		
14,600.00	6,946.67	7,295.33	6,956.15	219.68	51.43	-88.41	475.20	-5,879.38	950.88	855.58	95.30	9.977		
14,700.00	6,945.71	7,294.73	6,955.55	222.49	51.43	-88.14	475.20	-5,879.37	1,050.03	956.11	93.92	11.180		
14,800.00	6,944.74	7,294.12	6,954.94	225.29	51.43	-87.88	475.19	-5,879.37	1,149.33	1,056.48	92.85	12.379		
14,900.00	6,943.78	7,293.52	6,954.34	228.10	51.43	-87.61	475.18	-5,879.37	1,248.74	1,156.73	92.01	13.572		
15,000.00	6,942.81	7,292.92	6,953.74	230.90	51.43	-87.35	475.17	-5,879.36	1,348.23	1,256.90	91.33	14.761		
15,100.00	6,941.85	7,292.32	6,953.14	233.71	51.43	-87.08	475.16	-5,879.36	1,447.80	1,357.00	90.80	15.946		
15,200.00	6,940.88	7,291.72	6,952.54	236.52	51.43	-86.82	475.15	-5,879.36	1,547.42	1,457.06	90.36	17.125		
15,300.00	6,939.92	7,291.12	6,951.94	239.32	51.42	-86.56	475.14	-5,879.36	1,647.09	1,557.08	90.00	18.300		
15,400.00	6,938.95	7,290.52	6,951.34	242.13	51.42	-86.29	475.13	-5,879.35	1,746.79	1,657.08	89.71	19.471		
15,500.00	6,937.99	7,289.92	6,950.74	244.94	51.42	-86.03	475.12	-5,879.35	1,846.53	1,757.05	89.48	20.637		
15,600.00	6,937.02	7,289.32	6,950.14	247.75	51.42	-85.77	475.11	-5,879.35	1,946.29	1,857.01	89.28	21.799		
15,706.13	6,936.00	7,288.68	6,949.50	250.74	51.42	-85.49	475.10	-5,879.35	2,052.19	1,963.08	89.12	23.028		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.06	-1,366.25	-5,453.65	5,622.18					
100.00	100.00	53.49	53.49	3.28	3.28	-104.06	-1,366.07	-5,453.94	5,622.64	5,616.08	6.57	856.159		
200.00	200.00	109.35	109.34	3.34	3.29	-104.05	-1,365.53	-5,454.85	5,623.97	5,617.34	6.63	848.302		
300.00	300.00	207.50	207.46	3.44	3.36	-104.03	-1,364.06	-5,456.94	5,625.67	5,618.87	6.80	827.194		
400.00	399.98	311.81	311.73	3.60	3.48	-150.99	-1,362.61	-5,459.14	5,628.90	5,621.82	7.08	794.984		
500.00	499.84	442.79	442.68	3.81	3.71	-150.95	-1,360.85	-5,461.35	5,634.78	5,627.28	7.51	750.676		
600.00	599.45	544.60	544.47	4.05	3.93	-150.88	-1,359.07	-5,462.86	5,643.42	5,635.45	7.97	708.046		
700.00	698.70	636.78	636.61	4.33	4.16	-150.80	-1,357.01	-5,464.44	5,655.19	5,646.71	8.48	667.044		
800.00	797.47	748.69	748.48	4.64	4.47	-150.71	-1,354.61	-5,466.36	5,670.03	5,660.93	9.09	623.435		
902.00	897.58	841.05	840.79	4.98	4.75	-150.59	-1,352.21	-5,467.75	5,687.94	5,678.22	9.71	585.671		
1,000.00	993.42	901.90	901.59	5.33	4.95	-150.64	-1,350.23	-5,469.12	5,707.18	5,696.93	10.25	556.985		
1,100.00	1,091.22	1,015.71	1,015.31	5.71	5.33	-150.71	-1,346.38	-5,471.90	5,726.98	5,715.99	10.99	521.134		
1,200.00	1,189.02	1,103.60	1,103.13	6.11	5.64	-150.77	-1,343.53	-5,474.01	5,746.77	5,735.10	11.67	492.481		
1,300.00	1,286.82	1,212.61	1,212.05	6.53	6.03	-150.84	-1,340.10	-5,476.48	5,766.46	5,754.01	12.45	463.313		
1,400.00	1,384.62	1,281.07	1,280.47	6.95	6.28	-150.89	-1,338.13	-5,478.13	5,786.37	5,773.28	13.09	442.049		
1,500.00	1,482.42	1,387.39	1,386.71	7.38	6.67	-150.96	-1,335.30	-5,480.93	5,806.55	5,792.66	13.89	418.041		
1,600.00	1,580.22	1,491.32	1,490.57	7.83	7.07	-151.03	-1,332.49	-5,483.43	5,826.51	5,811.82	14.70	396.494		
1,700.00	1,678.03	1,617.32	1,616.50	8.27	7.55	-151.12	-1,329.16	-5,486.06	5,846.19	5,830.59	15.60	374.755		
1,800.00	1,775.83	1,700.00	1,699.14	8.72	7.87	-151.18	-1,327.07	-5,487.55	5,865.66	5,849.32	16.34	358.940		
1,900.00	1,873.63	1,749.82	1,748.93	9.18	8.06	-151.22	-1,325.81	-5,488.72	5,885.71	5,868.76	16.96	347.126		
2,000.00	1,971.43	1,800.00	1,799.06	9.64	8.26	-151.25	-1,324.49	-5,490.50	5,906.72	5,889.15	17.57	336.122		
2,100.00	2,069.23	1,800.00	1,799.06	10.11	8.26	-151.25	-1,324.49	-5,490.50	5,928.85	5,910.87	17.98	329.742		
2,200.00	2,167.03	1,862.55	1,861.47	10.57	8.52	-151.28	-1,322.16	-5,493.88	5,951.65	5,932.99	18.66	318.978		
2,300.00	2,264.83	1,900.00	1,898.77	11.04	8.68	-151.29	-1,320.14	-5,496.65	5,975.66	5,956.44	19.23	310.800		
2,400.00	2,362.63	2,078.69	2,076.60	11.52	9.46	-151.33	-1,309.16	-5,510.20	5,999.85	5,979.40	20.45	293.321		
2,500.00	2,460.43	2,164.97	2,162.38	11.99	9.84	-151.33	-1,302.19	-5,516.33	6,022.96	6,001.69	21.27	283.159		
2,600.00	2,558.23	2,223.60	2,220.61	12.47	10.11	-151.33	-1,297.12	-5,520.89	6,046.55	6,024.60	21.96	275.363		
2,700.00	2,656.03	2,271.38	2,268.04	12.94	10.33	-151.33	-1,293.00	-5,524.99	6,070.89	6,048.30	22.59	268.694		
2,800.00	2,753.83	2,324.87	2,321.10	13.42	10.58	-151.32	-1,288.43	-5,530.02	6,096.00	6,072.74	23.26	262.088		
2,900.00	2,851.63	2,387.07	2,382.69	13.90	10.88	-151.31	-1,282.61	-5,536.37	6,121.70	6,097.73	23.97	255.375		
3,000.00	2,949.43	2,555.25	2,549.04	14.38	11.70	-151.27	-1,264.65	-5,553.42	6,146.90	6,121.65	25.25	243.404		
3,100.00	3,047.23	2,634.94	2,627.62	14.87	12.10	-151.23	-1,254.36	-5,561.64	6,171.83	6,145.74	26.08	236.609		
3,200.00	3,145.03	2,700.00	2,691.74	15.35	12.44	-151.19	-1,245.83	-5,568.68	6,197.18	6,170.34	26.84	230.888		
3,300.00	3,242.83	2,756.74	2,747.64	15.83	12.73	-151.16	-1,238.56	-5,575.11	6,223.09	6,195.54	27.55	225.904		
3,400.00	3,340.63	2,814.13	2,804.18	16.32	13.03	-151.14	-1,231.43	-5,581.96	6,249.63	6,221.38	28.26	221.171		
3,500.00	3,438.43	2,879.24	2,868.28	16.80	13.38	-151.10	-1,223.39	-5,590.07	6,276.71	6,247.70	29.01	216.365		
3,600.00	3,536.23	2,934.60	2,922.73	17.29	13.67	-151.08	-1,216.53	-5,597.28	6,304.31	6,274.61	29.71	212.211		
3,700.00	3,634.03	3,000.00	2,986.99	17.78	14.03	-151.04	-1,208.42	-5,606.34	6,332.63	6,302.17	30.47	207.865		
3,800.00	3,731.83	3,038.05	3,024.35	18.26	14.24	-151.02	-1,203.75	-5,611.88	6,361.56	6,330.50	31.06	204.814		
3,900.00	3,829.63	3,100.00	3,085.13	18.75	14.59	-150.99	-1,196.29	-5,621.24	6,391.16	6,359.36	31.80	200.997		
4,000.00	3,927.43	3,228.06	3,210.67	19.24	15.32	-150.92	-1,180.05	-5,640.64	6,420.68	6,387.74	32.95	194.865		
4,100.00	4,025.23	3,312.46	3,293.32	19.73	15.81	-150.87	-1,168.82	-5,653.47	6,450.11	6,416.27	33.84	190.607		
4,200.00	4,123.03	3,484.39	3,461.67	20.22	16.81	-150.75	-1,144.99	-5,678.96	6,479.12	6,443.83	35.29	183.604		
4,300.00	4,220.83	3,578.61	3,554.11	20.71	17.34	-150.70	-1,132.37	-5,692.13	6,507.42	6,471.18	36.24	179.571		
4,400.00	4,318.63	3,727.32	3,699.84	21.20	18.19	-150.60	-1,111.09	-5,712.74	6,535.38	6,497.84	37.54	174.091		
4,500.00	4,416.43	3,810.14	3,780.94	21.69	18.67	-150.54	-1,098.73	-5,724.08	6,563.06	6,524.63	38.43	170.767		
4,600.00	4,514.23	3,876.02	3,845.41	22.18	19.05	-150.50	-1,088.87	-5,733.34	6,591.09	6,551.87	39.22	168.055		
4,700.00	4,612.03	3,983.42	3,950.58	22.67	19.67	-150.42	-1,073.26	-5,748.59	6,619.36	6,579.09	40.27	164.383		
4,800.00	4,709.83	4,053.96	4,019.75	23.16	20.08	-150.38	-1,063.51	-5,758.42	6,647.57	6,606.49	41.08	161.830		
4,900.00	4,807.63	4,100.00	4,064.82	23.65	20.34	-150.35	-1,056.92	-5,765.11	6,676.30	6,634.57	41.73	159.998		
5,000.00	4,905.43	4,166.00	4,129.42	24.14	20.73	-150.31	-1,047.76	-5,775.04	6,705.56	6,663.06	42.51	157.756		
5,100.00	5,003.23	4,235.16	4,197.18	24.63	21.14	-150.28	-1,038.97	-5,785.73	6,735.42	6,692.12	43.30	155.554		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	4,331.30	4,291.46	25.12	21.70	-150.23	-1,027.36	-5,800.52	6,765.37	6,721.10	44.26	152.838		
5,300.00	5,198.83	4,464.74	4,422.07	25.62	22.48	-150.16	-1,009.64	-5,821.30	6,795.30	6,749.81	45.49	149.394		
5,400.00	5,296.63	4,553.23	4,508.76	26.11	23.01	-150.11	-997.79	-5,834.57	6,824.61	6,778.19	46.41	147.041		
5,500.00	5,394.43	4,713.41	4,665.66	26.60	23.95	-150.02	-976.43	-5,858.72	6,854.22	6,806.41	47.81	143.363		
5,600.00	5,492.23	4,858.68	4,807.91	27.09	24.79	-149.93	-955.19	-5,879.16	6,882.34	6,833.23	49.11	140.134		
5,700.00	5,590.03	4,948.31	4,895.79	27.58	25.30	-149.88	-942.56	-5,891.45	6,910.31	6,860.27	50.04	138.084		
5,800.00	5,687.83	5,022.72	4,968.79	28.08	25.72	-149.84	-932.43	-5,901.71	6,938.47	6,887.59	50.87	136.392		
5,900.00	5,785.63	5,701.90	5,642.15	28.57	28.77	-149.85	-875.39	-5,961.31	6,964.76	6,909.92	54.85	126.989		
6,000.00	5,883.43	5,815.55	5,755.72	29.06	29.19	-149.92	-872.34	-5,964.43	6,984.92	6,929.17	55.75	125.286		
6,100.00	5,981.23	6,010.73	5,950.86	29.56	29.90	-150.07	-869.74	-5,967.55	7,004.37	6,947.36	57.00	122.878		
6,200.00	6,079.04	6,090.64	6,030.75	30.05	30.19	-150.13	-868.81	-5,968.34	7,023.21	6,965.44	57.76	121.586		
6,300.00	6,176.84	6,221.52	6,161.62	30.54	30.66	-150.22	-867.02	-5,969.44	7,041.88	6,983.14	58.74	119.881		
6,409.71	6,284.13	6,321.77	6,261.85	31.08	31.03	-150.29	-865.49	-5,970.12	7,062.18	7,002.55	59.63	118.432		
6,450.00	6,323.71	6,353.01	6,293.09	31.28	31.14	-136.05	-865.01	-5,970.37	7,068.46	7,008.53	59.93	117.944		
6,500.00	6,373.15	6,392.03	6,332.11	31.50	31.29	-108.50	-864.42	-5,970.75	7,072.87	7,012.57	60.29	117.306		
6,550.00	6,422.65	6,437.77	6,377.83	31.70	31.46	-77.45	-863.76	-5,971.23	7,073.49	7,012.82	60.67	116.584		
6,600.00	6,471.92	6,484.99	6,425.05	31.89	31.63	-56.13	-863.16	-5,971.72	7,070.28	7,009.24	61.04	115.829		
6,650.00	6,520.65	6,538.51	6,478.57	32.07	31.83	-44.05	-862.61	-5,972.25	7,063.26	7,001.84	61.42	115.002		
6,700.00	6,568.54	6,594.23	6,534.28	32.25	32.04	-37.06	-862.20	-5,972.69	7,052.41	6,990.62	61.79	114.138		
6,750.00	6,615.30	6,636.51	6,576.56	32.43	32.19	-32.77	-861.92	-5,973.01	7,037.84	6,975.75	62.08	113.359		
6,800.00	6,660.63	6,676.21	6,616.26	32.61	32.34	-30.05	-861.57	-5,973.36	7,019.69	6,957.34	62.35	112.579		
6,850.00	6,704.26	6,720.38	6,660.42	32.80	32.50	-28.36	-861.08	-5,973.81	6,998.07	6,935.45	62.63	111.742		
6,900.00	6,745.92	6,771.76	6,711.79	33.00	32.70	-27.40	-860.47	-5,974.30	6,973.05	6,910.13	62.92	110.827		
6,950.00	6,785.34	6,820.36	6,760.39	33.21	32.88	-27.00	-859.85	-5,974.70	6,944.77	6,881.59	63.18	109.913		
7,000.00	6,822.30	6,847.32	6,787.34	33.44	32.98	-27.03	-859.41	-5,974.97	6,913.49	6,850.14	63.35	109.139		
7,050.00	6,856.55	6,877.80	6,817.81	33.69	33.09	-27.53	-858.86	-5,975.31	6,879.38	6,815.87	63.51	108.315		
7,100.00	6,887.90	6,906.14	6,846.15	33.97	33.20	-28.51	-858.28	-5,975.65	6,842.67	6,779.01	63.66	107.482		
7,150.00	6,916.14	6,932.89	6,872.89	34.28	33.30	-30.04	-857.71	-5,975.99	6,803.57	6,739.77	63.80	106.636		
7,200.00	6,941.10	6,956.63	6,896.63	34.62	33.39	-32.25	-857.20	-5,976.30	6,762.32	6,698.39	63.92	105.787		
7,250.00	6,962.63	6,977.22	6,917.21	35.00	33.47	-35.35	-856.76	-5,976.57	6,719.16	6,655.13	64.03	104.936		
7,300.00	6,980.59	6,994.52	6,934.50	35.43	33.53	-39.69	-856.39	-5,976.81	6,674.37	6,610.25	64.12	104.084		
7,350.00	6,994.88	7,000.00	6,939.98	35.89	33.55	-45.68	-856.27	-5,976.88	6,628.23	6,564.06	64.17	103.293		
7,400.00	7,005.41	7,013.91	6,953.89	36.39	33.61	-54.47	-855.97	-5,977.08	6,581.00	6,516.74	64.26	102.418		
7,450.00	7,012.10	7,019.01	6,958.98	36.93	33.63	-66.83	-855.87	-5,977.16	6,532.98	6,468.67	64.31	101.584		
7,500.00	7,014.93	7,021.44	6,961.41	37.50	33.64	-83.48	-855.82	-5,977.19	6,484.47	6,420.11	64.36	100.749		
7,517.56	7,015.00	7,021.66	6,961.63	37.70	33.64	-90.14	-855.81	-5,977.20	6,467.37	6,402.99	64.38	100.455		
7,600.00	7,014.21	7,021.91	6,961.88	38.74	33.64	-90.14	-855.81	-5,977.20	6,387.07	6,322.60	64.47	99.074		
7,700.00	7,013.24	7,022.21	6,962.18	40.15	33.64	-90.16	-855.80	-5,977.20	6,289.74	6,225.15	64.59	97.377		
7,800.00	7,012.28	7,022.52	6,962.49	41.71	33.64	-90.17	-855.80	-5,977.21	6,192.49	6,127.75	64.74	95.656		
7,900.00	7,011.31	7,022.82	6,962.80	43.40	33.64	-90.18	-855.79	-5,977.21	6,095.34	6,030.43	64.91	93.911		
8,000.00	7,010.35	7,023.13	6,963.11	45.21	33.64	-90.19	-855.78	-5,977.22	5,998.27	5,933.17	65.10	92.141		
8,100.00	7,009.38	7,023.45	6,963.42	47.12	33.64	-90.21	-855.78	-5,977.22	5,901.31	5,835.99	65.32	90.346		
8,200.00	7,008.42	7,023.76	6,963.74	49.12	33.64	-90.22	-855.77	-5,977.23	5,804.45	5,738.88	65.57	88.527		
8,300.00	7,007.45	7,024.08	6,964.05	51.21	33.65	-90.23	-855.77	-5,977.23	5,707.69	5,641.85	65.85	86.684		
8,400.00	7,006.49	7,024.40	6,964.37	53.36	33.65	-90.24	-855.76	-5,977.24	5,611.05	5,544.90	66.16	84.816		
8,500.00	7,005.52	7,024.73	6,964.70	55.57	33.65	-90.26	-855.75	-5,977.24	5,514.53	5,448.03	66.50	82.925		
8,600.00	7,004.56	7,025.05	6,965.02	57.84	33.65	-90.27	-855.75	-5,977.25	5,418.14	5,351.26	66.88	81.011		
8,700.00	7,003.59	7,025.38	6,965.35	60.16	33.65	-90.28	-855.74	-5,977.25	5,321.88	5,254.58	67.30	79.075		
8,800.00	7,002.63	7,025.72	6,965.69	62.52	33.65	-90.29	-855.73	-5,977.26	5,225.76	5,158.00	67.76	77.118		
8,900.00	7,001.66	7,026.05	6,966.02	64.92	33.65	-90.31	-855.73	-5,977.26	5,129.79	5,061.52	68.27	75.141		
9,000.00	7,000.70	7,026.39	6,966.36	67.35	33.65	-90.32	-855.72	-5,977.27	5,033.97	4,965.15	68.82	73.146		
9,100.00	6,999.73	7,026.73	6,966.70	69.81	33.66	-90.33	-855.71	-5,977.27	4,938.32	4,868.90	69.42	71.135		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,027.07	6,967.05	72.31	33.66	-90.35	-855.71	-5,977.28	4,842.85	4,772.77	70.08	69.109		
9,300.00	6,997.80	7,027.42	6,967.39	74.82	33.66	-90.36	-855.70	-5,977.28	4,747.56	4,676.78	70.79	67.070		
9,400.00	6,996.84	7,027.77	6,967.74	77.36	33.66	-90.38	-855.69	-5,977.29	4,652.47	4,580.92	71.55	65.021		
9,500.00	6,995.88	7,028.13	6,968.10	79.92	33.66	-90.39	-855.68	-5,977.29	4,557.59	4,485.21	72.38	62.964		
9,600.00	6,994.91	7,028.48	6,968.45	82.49	33.66	-90.40	-855.68	-5,977.30	4,462.94	4,389.66	73.28	60.903		
9,700.00	6,993.95	7,028.84	6,968.81	85.09	33.66	-90.42	-855.67	-5,977.30	4,368.52	4,294.28	74.25	58.839		
9,800.00	6,992.98	7,029.21	6,969.18	87.70	33.66	-90.43	-855.66	-5,977.31	4,274.36	4,199.07	75.29	56.775		
9,900.00	6,992.02	7,029.57	6,969.54	90.32	33.67	-90.45	-855.65	-5,977.32	4,180.47	4,104.06	76.40	54.716		
10,000.00	6,991.05	7,029.94	6,969.91	92.95	33.67	-90.46	-855.65	-5,977.32	4,086.86	4,009.26	77.60	52.664		
10,100.00	6,990.09	7,030.32	6,970.29	95.60	33.67	-90.48	-855.64	-5,977.33	3,993.57	3,914.68	78.89	50.622		
10,200.00	6,989.12	7,030.69	6,970.66	98.26	33.67	-90.49	-855.63	-5,977.33	3,900.61	3,820.34	80.27	48.594		
10,300.00	6,988.16	7,031.07	6,971.04	100.92	33.67	-90.51	-855.62	-5,977.34	3,808.01	3,726.26	81.75	46.583		
10,400.00	6,987.19	7,031.46	6,971.43	103.60	33.67	-90.52	-855.62	-5,977.34	3,715.79	3,632.46	83.33	44.592		
10,500.00	6,986.23	7,031.84	6,971.81	106.28	33.67	-90.54	-855.61	-5,977.35	3,623.98	3,538.96	85.02	42.626		
10,600.00	6,985.26	7,032.24	6,972.21	108.98	33.68	-90.55	-855.60	-5,977.36	3,532.62	3,445.79	86.83	40.686		
10,700.00	6,984.30	7,032.63	6,972.60	111.68	33.68	-90.57	-855.59	-5,977.36	3,441.73	3,352.98	88.76	38.778		
10,800.00	6,983.33	7,033.03	6,973.00	114.38	33.68	-90.58	-855.59	-5,977.37	3,351.37	3,260.55	90.82	36.903		
10,900.00	6,982.37	7,033.43	6,973.40	117.09	33.68	-90.60	-855.58	-5,977.38	3,261.57	3,168.55	93.02	35.065		
11,000.00	6,981.40	7,033.84	6,973.81	119.81	33.68	-90.61	-855.57	-5,977.38	3,172.38	3,077.02	95.36	33.267		
11,100.00	6,980.44	7,034.25	6,974.22	122.54	33.68	-90.63	-855.56	-5,977.39	3,083.85	2,985.99	97.87	31.511		
11,200.00	6,979.47	7,034.66	6,974.63	125.26	33.69	-90.65	-855.55	-5,977.39	2,996.05	2,895.51	100.53	29.801		
11,300.00	6,978.51	7,035.08	6,975.05	128.00	33.69	-90.66	-855.55	-5,977.40	2,909.03	2,805.65	103.38	28.139		
11,400.00	6,977.54	7,035.50	6,975.47	130.73	33.69	-90.68	-855.54	-5,977.41	2,822.87	2,716.46	106.41	26.528		
11,500.00	6,976.58	7,035.93	6,975.90	133.48	33.69	-90.70	-855.53	-5,977.41	2,737.65	2,628.01	109.64	24.970		
11,600.00	6,975.62	7,036.36	6,976.33	136.22	33.69	-90.71	-855.52	-5,977.42	2,653.47	2,540.39	113.08	23.466		
11,700.00	6,974.65	7,036.80	6,976.76	138.97	33.69	-90.73	-855.51	-5,977.43	2,570.42	2,453.68	116.74	22.019		
11,800.00	6,973.69	7,037.24	6,977.20	141.73	33.70	-90.75	-855.50	-5,977.44	2,488.61	2,367.98	120.63	20.630		
11,900.00	6,972.72	7,037.68	6,977.65	144.48	33.70	-90.77	-855.49	-5,977.44	2,408.18	2,283.42	124.76	19.302		
12,000.00	6,971.76	7,038.13	6,978.10	147.24	33.70	-90.78	-855.49	-5,977.45	2,329.27	2,200.11	129.15	18.035		
12,100.00	6,970.79	7,038.58	6,978.55	150.00	33.70	-90.80	-855.48	-5,977.46	2,252.03	2,118.22	133.81	16.831		
12,200.00	6,969.83	7,039.04	6,979.01	152.77	33.70	-90.82	-855.47	-5,977.46	2,176.64	2,037.92	138.73	15.690		
12,300.00	6,968.86	7,039.50	6,979.47	155.54	33.70	-90.84	-855.46	-5,977.47	2,103.31	1,959.39	143.92	14.614		
12,400.00	6,967.90	7,039.97	6,979.93	158.31	33.71	-90.86	-855.45	-5,977.48	2,032.26	1,882.87	149.39	13.604		
12,500.00	6,966.93	7,040.44	6,980.41	161.08	33.71	-90.87	-855.44	-5,977.49	1,963.73	1,808.60	155.12	12.659		
12,600.00	6,965.97	7,040.92	6,980.88	163.85	33.71	-90.89	-855.43	-5,977.49	1,897.99	1,736.88	161.11	11.781		
12,700.00	6,965.00	7,041.40	6,981.36	166.63	33.71	-90.91	-855.42	-5,977.50	1,835.35	1,668.03	167.32	10.969		
12,800.00	6,964.04	7,041.89	6,981.85	169.41	33.71	-90.93	-855.41	-5,977.51	1,776.13	1,602.41	173.72	10.224		
12,900.00	6,963.07	7,042.38	6,982.34	172.19	33.71	-90.95	-855.40	-5,977.52	1,720.70	1,540.43	180.27	9.545		
13,000.00	6,962.11	7,042.87	6,982.84	174.97	33.72	-90.97	-855.39	-5,977.53	1,669.41	1,482.53	186.88	8.933		
13,100.00	6,961.14	7,043.38	6,983.34	177.76	33.72	-90.99	-855.38	-5,977.53	1,622.68	1,429.19	193.49	8.387		
13,200.00	6,960.18	7,043.89	6,983.85	180.54	33.72	-91.01	-855.37	-5,977.54	1,580.89	1,380.92	199.97	7.905		
13,300.00	6,959.21	7,044.40	6,984.36	183.33	33.72	-91.03	-855.36	-5,977.55	1,544.46	1,338.23	206.23	7.489		
13,400.00	6,958.25	7,044.92	6,984.88	186.12	33.72	-91.05	-855.35	-5,977.56	1,513.77	1,301.65	212.12	7.136		
13,500.00	6,957.28	7,045.44	6,985.41	188.91	33.73	-91.07	-855.34	-5,977.57	1,489.17	1,271.65	217.52	6.846		
13,600.00	6,956.32	7,045.97	6,985.94	191.70	33.73	-91.09	-855.33	-5,977.58	1,470.98	1,248.69	222.29	6.617		
13,700.00	6,955.35	7,046.51	6,986.47	194.49	33.73	-91.11	-855.32	-5,977.58	1,459.42	1,233.11	226.31	6.449		
13,800.00	6,954.39	7,047.05	6,987.02	197.29	33.73	-91.14	-855.31	-5,977.59	1,454.67	1,225.17	229.50	6.338		
13,819.31	6,954.20	7,047.16	6,987.12	197.83	33.73	-91.14	-855.31	-5,977.60	1,454.54	1,224.53	230.01	6.324 CC, ES		
13,900.00	6,953.43	7,047.60	6,987.56	200.08	33.73	-91.16	-855.30	-5,977.60	1,456.77	1,224.99	231.79	6.285 SF		
14,000.00	6,952.46	7,048.15	6,988.12	202.88	33.74	-91.18	-855.29	-5,977.61	1,465.72	1,232.56	233.16	6.286		
14,100.00	6,951.50	7,048.72	6,988.68	205.68	33.74	-91.20	-855.28	-5,977.62	1,481.37	1,247.75	233.62	6.341		
14,200.00	6,950.53	7,049.28	6,989.25	208.48	33.74	-91.22	-855.27	-5,977.63	1,503.53	1,270.29	233.24	6.446		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	7,049.86	6,989.82	211.28	33.74	-91.25	-855.26	-5,977.64	1,531.91	1,299.82	232.09	6.601		
14,400.00	6,948.60	7,050.44	6,990.40	214.08	33.75	-91.27	-855.25	-5,977.65	1,566.16	1,335.90	230.26	6.802		
14,500.00	6,947.64	7,051.02	6,990.99	216.88	33.75	-91.29	-855.24	-5,977.66	1,605.93	1,378.05	227.87	7.047		
14,600.00	6,946.67	7,051.62	6,991.58	219.68	33.75	-91.31	-855.23	-5,977.67	1,650.80	1,425.76	225.03	7.336		
14,700.00	6,945.71	7,052.22	6,992.18	222.49	33.75	-91.34	-855.21	-5,977.68	1,700.37	1,478.52	221.85	7.665		
14,800.00	6,944.74	7,052.83	6,992.79	225.29	33.75	-91.36	-855.20	-5,977.69	1,754.25	1,535.83	218.42	8.032		
14,900.00	6,943.78	7,053.44	6,993.40	228.10	33.76	-91.39	-855.19	-5,977.70	1,812.05	1,597.23	214.82	8.435		
15,000.00	6,942.81	7,054.06	6,994.03	230.90	33.76	-91.41	-855.18	-5,977.71	1,873.41	1,662.28	211.13	8.873		
15,100.00	6,941.85	7,054.69	6,994.66	233.71	33.76	-91.44	-855.17	-5,977.72	1,937.98	1,730.58	207.41	9.344		
15,200.00	6,940.88	7,055.33	6,995.29	236.52	33.76	-91.46	-855.16	-5,977.73	2,005.47	1,801.77	203.70	9.845		
15,300.00	6,939.92	7,055.98	6,995.94	239.32	33.77	-91.49	-855.14	-5,977.74	2,075.58	1,875.54	200.04	10.376		
15,400.00	6,938.95	7,056.63	6,996.59	242.13	33.77	-91.51	-855.13	-5,977.75	2,148.06	1,951.61	196.45	10.934		
15,500.00	6,937.99	7,057.29	6,997.25	244.94	33.77	-91.54	-855.12	-5,977.77	2,222.68	2,029.71	192.96	11.519		
15,600.00	6,937.02	7,057.96	6,997.92	247.75	33.77	-91.56	-855.11	-5,977.78	2,299.22	2,109.63	189.59	12.127		
15,706.13	6,936.00	7,058.68	6,998.64	250.74	33.78	-91.59	-855.09	-5,977.79	2,382.36	2,196.22	186.13	12.799		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.34	-1,395.39	-5,456.44	5,632.04					
100.00	100.00	79.51	79.51	3.28	3.28	-104.34	-1,395.23	-5,456.66	5,632.27	5,625.70	6.57	857.363		
200.00	200.00	172.58	172.57	3.34	3.32	-104.34	-1,394.74	-5,457.32	5,632.83	5,626.17	6.66	845.833		
300.00	300.00	290.41	290.40	3.44	3.44	-104.32	-1,393.74	-5,458.13	5,633.29	5,626.40	6.88	818.262		
400.00	399.98	416.49	416.47	3.60	3.64	-151.30	-1,391.91	-5,458.64	5,634.85	5,627.61	7.24	778.012		
500.00	499.84	516.39	516.35	3.81	3.85	-151.27	-1,390.07	-5,458.92	5,639.26	5,631.61	7.65	736.987		
600.00	599.45	618.17	618.10	4.05	4.09	-151.22	-1,387.99	-5,459.24	5,646.71	5,638.57	8.14	693.666		
700.00	698.70	748.74	748.63	4.33	4.45	-151.16	-1,384.83	-5,459.41	5,656.95	5,648.17	8.78	644.546		
800.00	797.47	867.97	867.81	4.64	4.82	-151.10	-1,381.11	-5,459.08	5,669.63	5,660.18	9.45	600.172		
902.00	897.58	900.00	899.82	4.98	4.92	-150.95	-1,380.06	-5,458.96	5,686.00	5,676.12	9.89	575.140		
1,000.00	993.42	958.93	958.73	5.33	5.11	-151.00	-1,378.69	-5,459.17	5,703.97	5,693.55	10.42	547.587		
1,100.00	1,091.22	1,000.00	999.80	5.71	5.25	-151.04	-1,378.45	-5,459.80	5,723.55	5,712.64	10.91	524.599		
1,200.00	1,189.02	1,032.09	1,031.88	6.11	5.36	-151.07	-1,378.69	-5,460.54	5,744.17	5,732.78	11.39	504.397		
1,300.00	1,286.82	1,071.38	1,071.14	6.53	5.49	-151.12	-1,379.54	-5,461.67	5,765.80	5,753.90	11.90	484.470		
1,400.00	1,384.62	1,119.43	1,119.13	6.95	5.66	-151.18	-1,381.36	-5,463.35	5,788.40	5,775.95	12.46	464.711		
1,500.00	1,482.42	1,192.16	1,191.73	7.38	5.93	-151.28	-1,384.72	-5,466.12	5,811.58	5,798.47	13.11	443.188		
1,600.00	1,580.22	1,244.39	1,243.83	7.83	6.14	-151.36	-1,387.63	-5,468.27	5,835.33	5,821.62	13.71	425.719		
1,700.00	1,678.03	1,300.00	1,299.24	8.27	6.36	-151.44	-1,391.61	-5,470.81	5,859.88	5,845.56	14.32	409.202		
1,800.00	1,775.83	1,362.40	1,361.33	8.72	6.63	-151.55	-1,397.01	-5,473.80	5,885.08	5,870.10	14.98	392.939		
1,900.00	1,873.63	1,400.00	1,398.71	9.18	6.79	-151.62	-1,400.67	-5,475.60	5,910.85	5,895.32	15.53	380.552		
2,000.00	1,971.43	1,451.88	1,450.21	9.64	7.02	-151.72	-1,406.21	-5,478.40	5,937.42	5,921.27	16.16	367.458		
2,100.00	2,069.23	1,500.00	1,497.90	10.11	7.25	-151.81	-1,411.82	-5,481.57	5,965.10	5,948.33	16.77	355.739		
2,200.00	2,167.03	1,500.00	1,497.90	10.57	7.25	-151.81	-1,411.82	-5,481.57	5,993.80	5,976.64	17.16	349.367		
2,300.00	2,264.83	1,545.04	1,542.44	11.04	7.48	-151.90	-1,417.52	-5,485.14	6,023.45	6,005.70	17.76	339.221		
2,400.00	2,362.63	1,600.00	1,596.61	11.52	7.76	-152.01	-1,425.11	-5,490.44	6,054.48	6,036.08	18.40	328.992		
2,500.00	2,460.43	1,600.00	1,596.61	11.99	7.76	-152.01	-1,425.11	-5,490.44	6,086.16	6,067.38	18.78	324.089		
2,600.00	2,558.23	1,600.00	1,596.61	12.47	7.76	-152.01	-1,425.11	-5,490.44	6,119.30	6,100.15	19.15	319.557		
2,700.00	2,656.03	1,656.25	1,651.82	12.94	8.09	-152.13	-1,433.75	-5,496.82	6,153.05	6,133.24	19.81	310.600		
2,800.00	2,753.83	1,700.00	1,694.57	13.42	8.36	-152.23	-1,441.22	-5,502.39	6,188.09	6,167.69	20.40	303.300		
2,900.00	2,851.63	1,729.15	1,722.98	13.90	8.55	-152.29	-1,446.48	-5,506.27	6,223.95	6,203.03	20.92	297.454		
3,000.00	2,949.43	1,800.00	1,791.90	14.38	9.02	-152.46	-1,459.96	-5,515.66	6,260.37	6,238.69	21.68	288.746		
3,100.00	3,047.23	1,853.97	1,844.30	14.87	9.39	-152.59	-1,470.62	-5,522.93	6,297.27	6,274.93	22.35	281.774		
3,200.00	3,145.03	1,900.00	1,888.95	15.35	9.71	-152.70	-1,479.76	-5,529.35	6,334.76	6,311.80	22.97	275.832		
3,300.00	3,242.83	1,936.40	1,924.20	15.83	9.97	-152.79	-1,487.15	-5,534.66	6,373.03	6,349.50	23.53	270.861		
3,400.00	3,340.63	1,967.20	1,953.93	16.32	10.20	-152.86	-1,493.64	-5,539.39	6,412.20	6,388.15	24.05	266.599		
3,500.00	3,438.43	2,000.00	1,985.51	16.80	10.45	-152.94	-1,500.78	-5,544.66	6,452.26	6,427.68	24.58	262.473		
3,600.00	3,536.23	2,101.44	2,083.04	17.29	11.25	-153.19	-1,523.29	-5,561.17	6,492.75	6,467.18	25.57	253.941		
3,700.00	3,634.03	2,222.53	2,199.71	17.78	12.17	-153.48	-1,549.18	-5,580.60	6,532.84	6,506.16	26.67	244.919		
3,800.00	3,731.83	2,293.03	2,267.70	18.26	12.70	-153.65	-1,563.96	-5,592.02	6,573.02	6,545.57	27.45	239.491		
3,900.00	3,829.63	2,388.40	2,359.61	18.75	13.43	-153.87	-1,584.18	-5,607.47	6,613.37	6,584.98	28.38	232.988		
4,000.00	3,927.43	2,485.05	2,452.75	19.24	14.16	-154.09	-1,604.84	-5,622.95	6,653.68	6,624.34	29.34	226.807		
4,100.00	4,025.23	2,565.69	2,530.43	19.73	14.78	-154.27	-1,622.27	-5,635.77	6,694.05	6,663.86	30.19	221.755		
4,200.00	4,123.03	2,600.00	2,570.18	20.22	15.86	-154.69	-1,662.22	-5,663.01	6,734.45	6,694.41	30.44	216.177		
4,300.00	4,220.83	2,678.11	2,631.51	20.71	17.09	-155.00	-1,691.87	-5,681.62	6,773.37	6,740.44	32.93	205.706		
4,400.00	4,318.63	2,947.64	2,898.62	21.20	17.58	-155.16	-1,707.33	-5,691.22	6,812.40	6,778.69	33.71	202.112		
4,500.00	4,416.43	3,031.96	2,980.00	21.69	18.18	-155.35	-1,725.87	-5,703.18	6,851.73	6,817.15	34.58	198.145		
4,600.00	4,514.23	3,192.50	3,135.48	22.18	19.28	-155.68	-1,758.65	-5,726.10	6,890.73	6,854.79	35.94	191.721		
4,700.00	4,612.03	3,274.91	3,215.32	22.67	19.83	-155.86	-1,775.72	-5,737.28	6,929.26	6,892.47	36.79	188.345		
4,800.00	4,709.83	3,423.04	3,358.83	23.16	20.81	-156.17	-1,807.03	-5,756.43	6,967.39	6,929.32	38.08	182.991		
4,900.00	4,807.63	3,467.39	3,401.81	23.65	21.10	-156.26	-1,816.33	-5,762.20	7,005.67	6,967.00	38.67	181.158		
5,000.00	4,905.43	3,531.56	3,463.93	24.14	21.53	-156.40	-1,829.84	-5,770.97	7,044.56	7,005.16	39.40	178.809		
5,100.00	5,003.23	3,600.00	3,530.21	24.63	21.99	-156.53	-1,844.07	-5,780.34	7,083.53	7,043.38	40.15	176.428		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	3,650.06	3,578.60	25.12	22.35	-156.64	-1,854.88	-5,787.25	7,122.99	7,082.20	40.79	174.630		
5,300.00	5,198.83	3,700.00	3,626.62	25.62	22.71	-156.75	-1,866.63	-5,794.31	7,163.29	7,121.87	41.42	172.929		
5,400.00	5,296.63	3,728.46	3,653.90	26.11	22.93	-156.81	-1,873.62	-5,798.41	7,204.21	7,162.30	41.91	171.887		
5,500.00	5,394.43	3,780.74	3,703.96	26.60	23.34	-156.93	-1,886.59	-5,806.11	7,245.72	7,203.14	42.57	170.188		
5,600.00	5,492.23	3,843.68	3,764.16	27.09	23.84	-157.07	-1,902.27	-5,815.65	7,287.68	7,244.37	43.31	168.249		
5,700.00	5,590.03	4,004.27	3,918.15	27.58	25.10	-157.41	-1,940.29	-5,840.72	7,329.86	7,285.09	44.77	163.726		
5,800.00	5,687.83	4,234.66	4,140.83	28.08	26.72	-157.84	-1,988.56	-5,874.80	7,369.96	7,323.32	46.64	158.035		
5,900.00	5,785.63	4,322.66	4,226.13	28.57	27.31	-157.99	-2,006.12	-5,887.46	7,409.63	7,362.12	47.51	155.964		
6,000.00	5,883.43	4,396.89	4,298.01	29.06	27.81	-158.12	-2,021.30	-5,898.08	7,449.49	7,401.20	48.29	154.268		
6,100.00	5,981.23	4,449.68	4,349.04	29.56	28.18	-158.22	-2,032.48	-5,905.65	7,489.70	7,440.77	48.93	153.072		
6,200.00	6,079.04	4,502.13	4,399.65	30.05	28.55	-158.32	-2,043.89	-5,913.32	7,530.41	7,480.85	49.56	151.930		
6,300.00	6,176.84	4,592.16	4,486.45	30.54	29.20	-158.49	-2,063.77	-5,926.57	7,571.39	7,520.91	50.47	150.012		
6,409.71	6,284.13	4,638.08	4,573.51	31.08	29.75	-160.42	-2,248.48	-6,063.91	7,600.64	7,540.52	60.13	126.411		
6,450.00	6,323.71	4,688.78	4,628.20	31.28	30.54	-146.07	-2,249.20	-6,064.30	7,607.84	7,547.30	60.53	125.682		
6,500.00	6,373.15	4,734.73	4,674.15	31.50	31.68	-118.41	-2,249.70	-6,064.54	7,613.42	7,552.51	60.91	124.992		
6,550.00	6,422.65	4,785.57	4,724.99	31.70	32.80	-87.31	-2,250.14	-6,064.81	7,615.42	7,554.16	61.26	124.322		
6,600.00	6,471.92	4,836.85	4,776.26	31.89	33.96	-66.00	-2,250.69	-6,065.20	7,613.80	7,552.17	61.63	123.538		
6,650.00	6,520.65	4,887.25	4,826.65	32.07	35.18	-54.02	-2,251.47	-6,065.55	7,608.43	7,546.36	62.06	122.596		
6,700.00	6,568.54	4,937.27	4,876.68	32.25	36.33	-47.13	-2,252.10	-6,065.65	7,599.38	7,537.01	62.38	121.831		
6,750.00	6,615.30	4,987.18	4,926.57	32.43	37.47	-43.02	-2,252.89	-6,065.67	7,586.81	7,524.14	62.67	121.059		
6,800.00	6,660.63	5,037.47	4,976.86	32.61	38.56	-40.51	-2,253.49	-6,065.68	7,570.82	7,507.93	62.89	120.388		
6,850.00	6,704.26	5,087.21	5,026.59	32.80	39.65	-39.06	-2,254.05	-6,065.74	7,551.58	7,488.50	63.07	119.726		
6,900.00	6,745.92	5,137.80	5,076.18	33.00	40.73	-38.38	-2,254.61	-6,065.85	7,529.20	7,465.95	63.24	119.053		
6,950.00	6,785.34	5,188.40	5,126.77	33.21	41.80	-38.32	-2,255.16	-6,066.00	7,503.81	7,440.41	63.40	118.365		
7,000.00	6,822.30	5,238.96	5,177.31	33.44	42.97	-39.07	-2,257.19	-6,066.27	7,475.41	7,411.62	63.79	117.197		
7,050.00	6,856.55	5,289.00	5,228.20	33.69	44.07	-40.07	-2,257.54	-6,066.25	7,444.17	7,379.73	64.44	115.516		
7,100.00	6,887.90	5,339.99	5,279.33	33.97	45.20	-41.68	-2,258.17	-6,066.27	7,410.42	7,346.40	64.02	115.749		
7,150.00	6,916.14	5,390.48	5,328.81	34.28	46.34	-43.80	-2,258.46	-6,066.33	7,374.43	7,310.33	64.11	115.034		
7,200.00	6,941.10	5,440.63	5,378.95	34.62	47.48	-46.59	-2,258.72	-6,066.41	7,336.38	7,272.19	64.19	114.295		
7,250.00	6,962.63	5,490.35	5,428.68	35.00	48.61	-50.15	-2,258.93	-6,066.50	7,296.48	7,232.21	64.27	113.531		
7,300.00	6,980.59	5,539.59	5,477.91	35.43	49.73	-54.64	-2,259.12	-6,066.58	7,254.97	7,190.62	64.35	112.742		
7,350.00	6,994.88	5,589.26	5,527.58	35.89	50.85	-60.21	-2,259.26	-6,066.68	7,212.10	7,147.66	64.44	111.927		
7,400.00	7,005.41	5,639.00	5,577.31	36.39	51.97	-67.35	-2,259.80	-6,067.10	7,168.17	7,103.56	64.61	110.941		
7,450.00	7,012.10	5,688.00	5,626.31	36.93	53.09	-75.45	-2,259.80	-6,067.10	7,123.30	7,058.60	64.70	110.105		
7,500.00	7,014.93	5,737.00	5,679.31	37.50	54.21	-84.74	-2,259.80	-6,067.10	7,077.85	7,013.06	64.79	109.238		
7,517.56	7,015.00	5,786.00	5,735.31	37.70	55.34	-88.23	-2,259.80	-6,067.10	7,061.81	6,996.98	64.83	108.926		
7,600.00	7,014.21	5,835.00	5,784.31	38.74	56.46	-88.23	-2,259.80	-6,067.10	6,986.48	6,921.45	65.03	107.436		
7,700.00	7,013.24	5,884.00	5,833.31	40.15	57.87	-88.23	-2,259.80	-6,067.10	6,895.33	6,830.01	65.32	105.564		
7,800.00	7,012.28	5,933.00	5,882.31	41.71	59.28	-88.23	-2,259.80	-6,067.10	6,804.42	6,738.76	65.67	103.623		
7,900.00	7,011.31	5,982.00	5,931.31	43.40	60.69	-88.23	-2,259.80	-6,067.10	6,713.78	6,647.71	66.07	101.615		
8,000.00	7,010.35	6,031.00	5,980.31	45.21	62.10	-88.23	-2,259.80	-6,067.10	6,623.40	6,556.86	66.54	99.544		
8,100.00	7,009.38	6,080.00	5,969.31	47.12	63.51	-88.23	-2,259.80	-6,067.10	6,533.30	6,466.24	67.07	97.414		
8,200.00	7,008.42	6,129.00	5,968.31	49.12	64.92	-88.23	-2,259.80	-6,067.10	6,443.50	6,375.84	67.66	95.230		
8,300.00	7,007.45	6,178.00	5,967.31	51.21	66.33	-88.23	-2,259.80	-6,067.10	6,354.00	6,285.68	68.32	92.997		
8,400.00	7,006.49	6,227.00	5,966.31	53.36	67.74	-88.23	-2,259.80	-6,067.10	6,264.82	6,195.76	69.06	90.721		
8,500.00	7,005.52	6,276.00	5,965.31	55.57	69.15	-88.23	-2,259.80	-6,067.10	6,175.97	6,106.11	69.86	88.409		
8,600.00	7,004.56	6,325.00	5,964.31	57.84	70.56	-88.23	-2,259.80	-6,067.10	6,087.46	6,016.73	70.73	86.066		
8,700.00	7,003.59	6,374.00	5,963.31	60.16	71.97	-88.23	-2,259.80	-6,067.10	5,999.32	5,927.64	71.68	83.700		
8,800.00	7,002.63	6,423.00	5,962.31	62.52	73.38	-88.23	-2,259.80	-6,067.10	5,911.55	5,838.86	72.70	81.317		
8,900.00	7,001.66	6,472.00	5,961.31	64.92	74.79	-88.23	-2,259.80	-6,067.10	5,824.18	5,750.39	73.79	78.924		
9,000.00	7,000.70	6,521.00	5,960.31	67.35	76.20	-88.23	-2,259.80	-6,067.10	5,737.22	5,662.25	74.97	76.529		
9,100.00	6,999.73	6,570.00	5,959.31	69.81	77.61	-88.23	-2,259.80	-6,067.10	5,650.69	5,574.47	76.22	74.136		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,000.00	6,869.31	72.31	39.44	-88.23	-2,259.80	-6,067.10	5,564.62	5,487.07	77.55	71.753		
9,300.00	6,997.80	7,000.00	6,869.31	74.82	39.44	-88.23	-2,259.80	-6,067.10	5,479.02	5,400.05	78.97	69.385		
9,400.00	6,996.84	7,000.00	6,869.31	77.36	39.44	-88.23	-2,259.80	-6,067.10	5,393.91	5,313.45	80.46	67.039		
9,500.00	6,995.88	7,000.00	6,869.31	79.92	39.44	-88.23	-2,259.80	-6,067.10	5,309.32	5,227.28	82.04	64.718		
9,600.00	6,994.91	7,000.00	6,869.31	82.49	39.44	-88.23	-2,259.80	-6,067.10	5,225.28	5,141.57	83.70	62.428		
9,700.00	6,993.95	7,000.00	6,869.31	85.09	39.44	-88.23	-2,259.80	-6,067.10	5,141.80	5,056.35	85.45	60.174		
9,800.00	6,992.98	7,000.00	6,869.31	87.70	39.44	-88.23	-2,259.80	-6,067.10	5,058.93	4,971.64	87.29	57.958		
9,900.00	6,992.02	7,000.00	6,869.31	90.32	39.44	-88.23	-2,259.80	-6,067.10	4,976.68	4,887.47	89.21	55.785		
10,000.00	6,991.05	7,000.00	6,869.31	92.95	39.44	-88.23	-2,259.80	-6,067.10	4,895.10	4,803.87	91.23	53.658		
10,100.00	6,990.09	7,000.00	6,869.31	95.60	39.44	-88.23	-2,259.80	-6,067.10	4,814.21	4,720.88	93.34	51.579		
10,200.00	6,989.12	7,000.00	6,869.31	98.26	39.44	-88.23	-2,259.80	-6,067.10	4,734.05	4,638.52	95.54	49.551		
10,300.00	6,988.16	7,000.00	6,869.31	100.92	39.44	-88.23	-2,259.80	-6,067.10	4,654.66	4,556.83	97.84	47.575		
10,400.00	6,987.19	7,000.00	6,869.31	103.60	39.44	-88.23	-2,259.80	-6,067.10	4,576.08	4,475.85	100.24	45.653		
10,500.00	6,986.23	7,000.00	6,869.31	106.28	39.44	-88.23	-2,259.80	-6,067.10	4,498.35	4,395.62	102.73	43.787		
10,600.00	6,985.26	7,000.00	6,869.31	108.98	39.44	-88.23	-2,259.80	-6,067.10	4,421.51	4,316.19	105.33	41.978		
10,700.00	6,984.30	7,000.00	6,869.31	111.68	39.44	-88.23	-2,259.80	-6,067.10	4,345.62	4,237.59	108.03	40.226		
10,800.00	6,983.33	7,000.31	6,869.62	114.38	39.44	-88.23	-2,259.80	-6,067.11	4,270.72	4,159.88	110.84	38.531		
10,900.00	6,982.37	7,001.78	6,871.09	117.09	39.44	-88.26	-2,259.83	-6,067.14	4,196.87	4,083.11	113.76	36.893		
11,000.00	6,981.40	7,003.22	6,872.53	119.81	39.45	-88.29	-2,259.86	-6,067.16	4,124.11	4,007.33	116.78	35.314		
11,100.00	6,980.44	7,004.65	6,873.96	122.54	39.45	-88.32	-2,259.89	-6,067.19	4,052.52	3,932.60	119.92	33.794		
11,200.00	6,979.47	7,006.05	6,875.36	125.26	39.46	-88.35	-2,259.92	-6,067.22	3,982.15	3,858.99	123.17	32.332		
11,300.00	6,978.51	7,007.43	6,876.74	128.00	39.46	-88.37	-2,259.94	-6,067.24	3,913.08	3,786.55	126.52	30.928		
11,400.00	6,977.54	7,008.79	6,878.09	130.73	39.46	-88.40	-2,259.97	-6,067.27	3,845.36	3,715.37	129.99	29.583		
11,500.00	6,976.58	7,010.12	6,879.43	133.48	39.47	-88.43	-2,260.00	-6,067.29	3,779.07	3,645.51	133.56	28.294		
11,600.00	6,975.62	7,011.44	6,880.74	136.22	39.47	-88.46	-2,260.02	-6,067.32	3,714.30	3,577.05	137.25	27.062		
11,700.00	6,974.65	7,012.74	6,882.04	138.97	39.48	-88.48	-2,260.05	-6,067.34	3,651.11	3,510.07	141.04	25.887		
11,800.00	6,973.69	7,014.01	6,883.32	141.73	39.48	-88.51	-2,260.07	-6,067.36	3,589.60	3,444.66	144.94	24.766		
11,900.00	6,972.72	7,015.27	6,884.58	144.48	39.49	-88.53	-2,260.10	-6,067.39	3,529.84	3,380.90	148.94	23.700		
12,000.00	6,971.76	7,016.51	6,885.81	147.24	39.49	-88.56	-2,260.12	-6,067.41	3,471.94	3,318.91	153.04	22.687		
12,100.00	6,970.79	7,017.73	6,887.03	150.00	39.49	-88.58	-2,260.15	-6,067.43	3,415.99	3,258.76	157.23	21.726		
12,200.00	6,969.83	7,018.93	6,888.24	152.77	39.50	-88.61	-2,260.17	-6,067.45	3,362.08	3,200.58	161.51	20.817		
12,300.00	6,968.86	7,020.12	6,889.42	155.54	39.50	-88.63	-2,260.19	-6,067.48	3,310.31	3,144.45	165.86	19.959		
12,400.00	6,967.90	7,021.29	6,890.59	158.31	39.50	-88.65	-2,260.22	-6,067.50	3,260.79	3,090.51	170.28	19.149		
12,500.00	6,966.93	7,022.44	6,891.74	161.08	39.51	-88.68	-2,260.24	-6,067.52	3,213.62	3,038.86	174.76	18.389		
12,600.00	6,965.97	7,023.58	6,892.88	163.85	39.51	-88.70	-2,260.26	-6,067.54	3,168.90	2,989.62	179.28	17.675		
12,700.00	6,965.00	7,024.70	6,894.00	166.63	39.52	-88.72	-2,260.28	-6,067.56	3,126.74	2,942.90	183.84	17.008		
12,800.00	6,964.04	7,025.80	6,895.10	169.41	39.52	-88.74	-2,260.30	-6,067.58	3,087.25	2,898.84	188.41	16.386		
12,900.00	6,963.07	7,026.89	6,896.19	172.19	39.52	-88.77	-2,260.32	-6,067.60	3,050.52	2,857.55	192.97	15.808		
13,000.00	6,962.11	7,027.97	6,897.27	174.97	39.53	-88.79	-2,260.34	-6,067.62	3,016.66	2,819.14	197.52	15.273		
13,100.00	6,961.14	7,029.02	6,898.32	177.76	39.53	-88.81	-2,260.36	-6,067.63	2,985.77	2,783.75	202.02	14.779		
13,200.00	6,960.18	7,030.07	6,899.37	180.54	39.53	-88.83	-2,260.38	-6,067.65	2,957.94	2,751.47	206.46	14.327		
13,300.00	6,959.21	7,031.10	6,900.40	183.33	39.54	-88.85	-2,260.40	-6,067.67	2,933.25	2,722.43	210.82	13.914		
13,400.00	6,958.25	7,032.12	6,901.42	186.12	39.54	-88.87	-2,260.42	-6,067.69	2,911.79	2,696.72	215.07	13.539		
13,500.00	6,957.28	7,033.12	6,902.42	188.91	39.54	-88.89	-2,260.44	-6,067.71	2,893.63	2,674.44	219.19	13.201		
13,600.00	6,956.32	7,034.11	6,903.41	191.70	39.55	-88.91	-2,260.46	-6,067.72	2,878.83	2,655.67	223.16	12.900		
13,700.00	6,955.35	7,035.09	6,904.39	194.49	39.55	-88.93	-2,260.48	-6,067.74	2,867.45	2,640.49	226.96	12.634		
13,800.00	6,954.39	7,036.05	6,905.35	197.29	39.55	-88.95	-2,260.50	-6,067.76	2,859.51	2,628.95	230.56	12.402		
13,900.00	6,953.43	7,037.00	6,906.30	200.08	39.56	-88.97	-2,260.51	-6,067.77	2,855.06	2,621.11	233.95	12.204		
13,977.21	6,952.68	7,037.73	6,907.03	202.24	39.56	-88.98	-2,260.53	-6,067.78	2,854.02	2,617.60	236.42	12.072 CC		
14,000.00	6,952.46	7,037.94	6,907.24	202.88	39.56	-88.99	-2,260.53	-6,067.79	2,854.11	2,616.99	237.12	12.036		
14,100.00	6,951.50	7,038.87	6,908.17	205.68	39.56	-89.01	-2,260.55	-6,067.80	2,856.66	2,616.61	240.05	11.900 ES		
14,200.00	6,950.53	7,039.79	6,909.08	208.48	39.56	-89.02	-2,260.57	-6,067.82	2,862.70	2,619.97	242.72	11.794		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	7,040.69	6,909.99	211.28	39.57	-89.04	-2,260.58	-6,067.83	2,872.21	2,627.07	245.14	11.716		
14,400.00	6,948.60	7,041.58	6,910.88	214.08	39.57	-89.06	-2,260.60	-6,067.85	2,885.16	2,637.86	247.30	11.667		
14,500.00	6,947.64	7,042.47	6,911.76	216.88	39.57	-89.08	-2,260.62	-6,067.86	2,901.50	2,652.31	249.19	11.644 SF		
14,600.00	6,946.67	7,043.34	6,912.63	219.68	39.58	-89.10	-2,260.63	-6,067.88	2,921.17	2,670.36	250.81	11.647		
14,700.00	6,945.71	7,044.20	6,913.49	222.49	39.58	-89.11	-2,260.65	-6,067.89	2,944.11	2,691.94	252.17	11.675		
14,800.00	6,944.74	7,045.05	6,914.34	225.29	39.58	-89.13	-2,260.66	-6,067.91	2,970.24	2,716.96	253.28	11.727		
14,900.00	6,943.78	7,045.89	6,915.18	228.10	39.58	-89.15	-2,260.68	-6,067.92	2,999.48	2,745.33	254.15	11.802		
15,000.00	6,942.81	7,046.72	6,916.01	230.90	39.59	-89.16	-2,260.69	-6,067.94	3,031.74	2,776.96	254.78	11.900		
15,100.00	6,941.85	7,047.53	6,916.83	233.71	39.59	-89.18	-2,260.71	-6,067.95	3,066.92	2,811.74	255.18	12.019		
15,200.00	6,940.88	7,048.34	6,917.64	236.52	39.59	-89.20	-2,260.72	-6,067.96	3,104.92	2,849.55	255.37	12.158		
15,300.00	6,939.92	7,049.14	6,918.44	239.32	39.59	-89.21	-2,260.74	-6,067.98	3,145.64	2,890.27	255.37	12.318		
15,400.00	6,938.95	7,049.93	6,919.23	242.13	39.60	-89.23	-2,260.75	-6,067.99	3,188.98	2,933.79	255.19	12.497		
15,500.00	6,937.99	7,050.71	6,920.01	244.94	39.60	-89.24	-2,260.77	-6,068.00	3,234.83	2,980.00	254.84	12.694		
15,600.00	6,937.02	7,051.49	6,920.78	247.75	39.60	-89.26	-2,260.78	-6,068.01	3,283.09	3,028.76	254.33	12.909		
15,706.13	6,936.00	7,052.30	6,921.59	250.74	39.60	-89.28	-2,260.79	-6,068.03	3,336.82	3,083.17	253.65	13.155		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.32	10.32	3.28	3.28	-104.45	-1,406.32	-5,456.43	5,634.75					
100.00	100.00	154.45	154.44	3.28	3.31	-104.45	-1,406.23	-5,455.34	5,633.90	5,627.30	6.60	854.176		
200.00	200.00	242.68	242.67	3.34	3.38	-104.46	-1,406.20	-5,454.65	5,633.13	5,626.41	6.72	838.268		
300.00	300.00	331.78	331.77	3.44	3.50	-104.46	-1,406.22	-5,454.08	5,632.51	5,625.57	6.94	811.496		
314.52	314.52	343.62	343.61	3.46	3.51	-151.46	-1,406.22	-5,454.02	5,632.48	5,625.50	6.98	807.099		
400.00	399.98	415.85	415.84	3.60	3.64	-151.45	-1,406.23	-5,453.79	5,633.71	5,626.47	7.24	778.267		
500.00	499.84	516.01	516.00	3.81	3.84	-151.44	-1,406.15	-5,453.61	5,638.12	5,630.48	7.65	737.359		
600.00	599.45	625.17	625.16	4.05	4.10	-151.41	-1,405.97	-5,453.26	5,645.42	5,637.27	8.15	692.559		
700.00	698.70	710.26	710.25	4.33	4.33	-151.36	-1,405.90	-5,453.05	5,655.88	5,647.22	8.66	653.348		
800.00	797.47	798.43	798.42	4.64	4.59	-151.30	-1,405.94	-5,453.01	5,669.61	5,660.39	9.22	615.177		
902.00	897.58	865.46	865.45	4.98	4.79	-151.19	-1,406.26	-5,453.15	5,687.12	5,677.36	9.76	582.900		
1,000.00	993.42	900.00	899.98	5.33	4.90	-151.23	-1,406.66	-5,453.33	5,706.12	5,695.92	10.20	559.177		
1,100.00	1,091.22	952.12	952.08	5.71	5.07	-151.30	-1,407.93	-5,453.92	5,726.38	5,715.65	10.73	533.546		
1,200.00	1,189.02	1,000.00	999.90	6.11	5.24	-151.36	-1,410.09	-5,454.94	5,747.80	5,736.54	11.26	510.342		
1,300.00	1,286.82	1,027.74	1,027.58	6.53	5.34	-151.41	-1,411.75	-5,455.70	5,770.18	5,758.44	11.74	491.409		
1,400.00	1,384.62	1,069.76	1,069.46	6.95	5.50	-151.47	-1,414.84	-5,457.05	5,793.55	5,781.26	12.28	471.687		
1,500.00	1,482.42	1,100.00	1,099.57	7.38	5.62	-151.53	-1,417.47	-5,458.16	5,817.87	5,805.09	12.78	455.072		
1,600.00	1,580.22	1,155.02	1,154.25	7.83	5.86	-151.63	-1,423.18	-5,460.43	5,843.06	5,829.65	13.41	435.795		
1,700.00	1,678.03	1,200.00	1,198.83	8.27	6.07	-151.73	-1,428.73	-5,462.51	5,869.17	5,855.18	13.99	419.445		
1,800.00	1,775.83	1,249.73	1,248.02	8.72	6.32	-151.84	-1,435.63	-5,465.01	5,896.11	5,881.49	14.62	403.265		
1,900.00	1,873.63	1,300.00	1,297.63	9.18	6.57	-151.95	-1,443.29	-5,467.68	5,923.79	5,908.54	15.26	388.317		
2,000.00	1,971.43	1,340.41	1,337.42	9.64	6.80	-152.05	-1,449.94	-5,470.02	5,952.32	5,936.46	15.85	375.440		
2,100.00	2,069.23	1,400.00	1,395.93	10.11	7.13	-152.20	-1,460.55	-5,473.94	5,981.86	5,965.31	16.56	361.296		
2,200.00	2,167.03	1,435.73	1,430.92	10.57	7.35	-152.29	-1,467.32	-5,476.44	6,012.10	5,994.96	17.14	350.728		
2,300.00	2,264.83	1,500.00	1,493.75	11.04	7.74	-152.46	-1,480.12	-5,480.84	6,042.84	6,024.95	17.89	337.791		
2,400.00	2,362.63	1,560.34	1,552.58	11.52	8.12	-152.63	-1,492.84	-5,485.04	6,074.13	6,055.50	18.63	326.060		
2,500.00	2,460.43	1,617.81	1,608.46	11.99	8.49	-152.79	-1,505.59	-5,489.28	6,106.15	6,086.79	19.36	315.442		
2,600.00	2,558.23	1,699.01	1,687.10	12.47	9.03	-153.03	-1,524.95	-5,495.04	6,138.57	6,118.32	20.25	303.120		
2,700.00	2,656.03	1,742.40	1,728.94	12.94	9.35	-153.17	-1,536.04	-5,498.06	6,171.52	6,150.60	20.92	294.999		
2,800.00	2,753.83	1,800.00	1,784.21	13.42	9.77	-153.35	-1,551.71	-5,502.27	6,205.34	6,183.65	21.69	286.117		
2,900.00	2,851.63	1,825.76	1,808.83	13.90	9.97	-153.44	-1,559.04	-5,504.25	6,239.91	6,217.67	22.24	280.562		
3,000.00	2,949.43	1,865.88	1,847.05	14.38	10.29	-153.57	-1,570.80	-5,507.45	6,275.35	6,252.45	22.90	274.054		
3,100.00	3,047.23	1,900.00	1,879.44	14.87	10.56	-153.69	-1,581.13	-5,510.31	6,311.62	6,288.12	23.51	268.513		
3,200.00	3,145.03	1,948.62	1,925.41	15.35	10.99	-153.86	-1,596.40	-5,514.54	6,348.69	6,324.44	24.25	261.851		
3,300.00	3,242.83	2,000.00	1,973.72	15.83	11.44	-154.05	-1,613.25	-5,519.16	6,386.55	6,361.55	25.00	255.416		
3,400.00	3,340.63	2,040.06	2,011.21	16.32	11.81	-154.19	-1,626.89	-5,522.84	6,425.12	6,399.44	25.69	250.126		
3,500.00	3,438.43	2,100.00	2,067.02	16.80	12.38	-154.42	-1,648.04	-5,528.34	6,464.36	6,437.82	26.54	243.539		
3,600.00	3,536.23	2,134.77	2,099.25	17.29	12.73	-154.55	-1,660.67	-5,531.59	6,504.26	6,477.08	27.19	239.253		
3,700.00	3,634.03	2,176.60	2,137.91	17.78	13.15	-154.71	-1,676.13	-5,535.65	6,544.91	6,517.02	27.89	234.675		
3,800.00	3,731.83	2,200.00	2,159.48	18.26	13.39	-154.81	-1,684.90	-5,537.99	6,586.36	6,557.94	28.41	231.806		
3,900.00	3,829.63	2,254.86	2,209.88	18.75	13.97	-155.02	-1,705.81	-5,543.71	6,628.47	6,599.22	29.25	226.613		
4,000.00	3,927.43	2,300.00	2,251.16	19.24	14.45	-155.20	-1,723.37	-5,548.68	6,671.40	6,641.42	29.99	222.480		
4,100.00	4,025.23	2,331.91	2,280.25	19.73	14.82	-155.32	-1,735.97	-5,552.33	6,715.07	6,684.47	30.60	219.453		
4,200.00	4,123.03	2,371.34	2,316.09	20.22	15.27	-155.48	-1,751.74	-5,556.97	6,759.46	6,728.17	31.28	216.071		
4,300.00	4,220.83	2,413.74	2,354.50	20.71	15.76	-155.65	-1,768.94	-5,562.13	6,804.56	6,772.56	32.00	212.647		
4,400.00	4,318.63	2,464.92	2,400.68	21.20	16.37	-155.85	-1,790.09	-5,568.43	6,850.25	6,817.43	32.82	208.741		
4,500.00	4,416.43	2,500.00	2,432.22	21.69	16.79	-156.00	-1,804.82	-5,572.76	6,896.53	6,863.07	33.45	206.147		
4,600.00	4,514.23	2,544.97	2,472.46	22.18	17.37	-156.18	-1,824.10	-5,578.39	6,943.46	6,909.23	34.22	202.888		
4,700.00	4,612.03	2,600.00	2,521.31	22.67	18.09	-156.41	-1,848.42	-5,585.46	6,991.21	6,956.11	35.10	199.172		
4,800.00	4,709.83	2,616.80	2,536.14	23.16	18.32	-156.48	-1,855.99	-5,587.65	7,039.53	7,003.99	35.54	198.056		
4,900.00	4,807.63	2,662.82	2,576.70	23.65	18.95	-156.67	-1,876.87	-5,593.72	7,088.53	7,052.19	36.33	195.091		
5,000.00	4,905.43	2,724.63	2,631.00	24.14	19.81	-156.93	-1,905.21	-5,602.01	7,138.07	7,100.76	37.31	191.301		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,100.00	2,761.22	24.63	51.56	-157.53	-1,970.98	-5,621.79	7,187.32	7,125.18	62.14	115.659		
5,200.00	5,101.03	2,945.11	2,826.47	25.12	22.77	-157.82	-2,002.77	-5,631.75	7,236.44	7,196.07	40.37	179.260		
5,300.00	5,198.83	3,000.00	2,875.34	25.62	23.49	-158.03	-2,026.47	-5,639.62	7,286.14	7,244.93	41.21	176.786		
5,400.00	5,296.63	3,304.41	3,150.16	26.11	27.18	-159.10	-2,150.15	-5,682.27	7,334.65	7,289.93	44.73	163.994		
5,500.00	5,394.43	3,700.00	3,514.28	26.60	31.15	-160.36	-2,297.81	-5,727.49	7,378.72	7,329.99	48.73	151.414		
5,600.00	5,492.23	3,700.00	3,514.28	27.09	31.15	-160.36	-2,297.81	-5,727.49	7,423.40	7,374.44	48.96	151.619		
5,700.00	5,590.03	3,751.98	3,562.08	27.58	31.67	-160.53	-2,317.58	-5,732.59	7,468.46	7,418.77	49.69	150.292		
5,800.00	5,687.83	3,800.00	3,605.76	28.08	32.16	-160.68	-2,336.86	-5,737.70	7,514.75	7,464.37	50.38	149.161		
5,900.00	5,785.63	3,800.00	3,605.76	28.57	32.16	-160.68	-2,336.86	-5,737.70	7,561.50	7,510.91	50.59	149.468		
6,000.00	5,883.43	3,830.00	3,632.88	29.06	32.50	-160.79	-2,349.24	-5,741.06	7,609.16	7,558.05	51.11	148.872		
6,100.00	5,981.23	3,869.23	3,668.27	29.56	32.95	-160.92	-2,365.55	-5,745.59	7,657.43	7,605.70	51.73	148.031		
6,200.00	6,079.04	3,911.19	3,706.03	30.05	33.44	-161.06	-2,383.14	-5,750.61	7,706.27	7,653.90	52.37	147.143		
6,300.00	6,176.84	3,964.19	3,753.64	30.54	34.08	-161.24	-2,405.51	-5,757.08	7,755.60	7,702.46	53.14	145.939		
6,409.71	6,284.13	4,228.23	3,992.31	31.08	37.11	-162.08	-2,513.68	-5,789.19	7,809.62	7,753.47	56.16	139.070		
6,450.00	6,323.71	4,244.16	4,006.90	31.28	37.28	-147.26	-2,519.75	-5,791.20	7,827.92	7,771.54	56.38	138.832		
6,500.00	6,373.15	4,264.28	4,025.32	31.50	37.49	-119.07	-2,527.41	-5,793.78	7,847.80	7,791.14	56.66	138.513		
6,550.00	6,422.65	4,300.00	4,058.00	31.70	37.87	-87.53	-2,541.04	-5,798.52	7,864.48	7,807.40	57.07	137.803		
6,600.00	6,471.92	4,300.00	4,058.00	31.89	37.87	-65.65	-2,541.04	-5,798.52	7,877.78	7,820.67	57.11	137.945		
6,650.00	6,520.65	4,328.25	4,083.81	32.07	38.19	-53.16	-2,551.85	-5,802.38	7,887.72	7,830.31	57.42	137.380		
6,700.00	6,568.54	4,350.69	4,104.29	32.25	38.44	-45.76	-2,560.47	-5,805.50	7,894.23	7,836.58	57.64	136.946		
6,750.00	6,615.30	4,372.90	4,124.55	32.43	38.69	-41.10	-2,569.04	-5,808.63	7,897.26	7,839.41	57.85	136.502		
6,800.00	6,660.63	4,400.00	4,149.23	32.61	39.00	-38.05	-2,579.53	-5,812.50	7,896.82	7,838.72	58.10	135.924		
6,850.00	6,704.26	4,434.75	4,180.84	32.80	39.40	-36.05	-2,593.09	-5,817.47	7,892.86	7,834.45	58.41	135.125		
6,900.00	6,745.92	4,479.07	4,221.09	33.00	39.91	-34.81	-2,610.58	-5,823.64	7,885.35	7,826.54	58.81	134.078		
6,950.00	6,785.34	4,516.62	4,255.14	33.21	40.35	-34.06	-2,625.58	-5,828.73	7,874.34	7,815.21	59.13	133.160		
7,000.00	6,822.30	4,547.86	4,283.42	33.44	40.72	-33.72	-2,638.19	-5,832.90	7,859.95	7,800.56	59.39	132.352		
7,050.00	6,856.55	4,577.30	4,310.02	33.69	41.06	-33.74	-2,650.18	-5,836.79	7,842.26	7,782.65	59.61	131.549		
7,100.00	6,887.90	4,600.00	4,330.51	33.97	41.33	-34.06	-2,659.49	-5,839.74	7,821.41	7,761.64	59.77	130.858		
7,150.00	6,916.14	4,621.75	4,350.11	34.28	41.59	-34.71	-2,668.48	-5,842.56	7,797.52	7,737.59	59.93	130.119		
7,200.00	6,941.10	4,638.50	4,365.19	34.62	41.79	-35.67	-2,675.46	-5,844.73	7,770.75	7,710.71	60.03	129.441		
7,250.00	6,962.63	4,653.61	4,378.77	35.00	41.98	-36.98	-2,681.78	-5,846.68	7,741.24	7,681.11	60.13	128.736		
7,300.00	6,980.59	4,667.00	4,390.79	35.43	42.14	-38.68	-2,687.42	-5,848.40	7,709.18	7,648.96	60.23	128.004		
7,350.00	6,994.88	4,678.60	4,401.20	35.89	42.28	-40.82	-2,692.32	-5,849.90	7,674.74	7,614.42	60.32	127.242		
7,400.00	7,005.41	4,700.00	4,420.37	36.39	42.54	-43.62	-2,701.42	-5,852.65	7,638.13	7,577.60	60.53	126.184		
7,450.00	7,012.10	4,700.00	4,420.37	36.93	42.54	-46.85	-2,701.42	-5,852.65	7,599.51	7,538.98	60.53	125.546		
7,500.00	7,014.93	4,700.00	4,420.37	37.50	42.54	-50.85	-2,701.42	-5,852.65	7,559.15	7,498.59	60.55	124.838		
7,517.56	7,015.00	4,704.84	4,424.70	37.70	42.60	-52.54	-2,703.49	-5,853.27	7,544.60	7,483.98	60.62	124.456		
7,600.00	7,014.21	4,713.97	4,432.87	38.74	42.71	-52.66	-2,707.38	-5,854.45	7,475.99	7,415.19	60.80	122.960		
7,700.00	7,013.24	4,725.20	4,442.93	40.15	42.85	-52.81	-2,712.16	-5,855.91	7,393.13	7,332.05	61.08	121.035		
7,800.00	7,012.28	4,736.60	4,453.14	41.71	42.99	-52.96	-2,717.00	-5,857.41	7,310.68	7,249.24	61.44	118.993		
7,900.00	7,011.31	4,748.17	4,463.51	43.40	43.14	-53.11	-2,721.90	-5,858.95	7,228.65	7,166.78	61.87	116.837		
8,000.00	7,010.35	4,759.92	4,474.05	45.21	43.28	-53.27	-2,726.87	-5,860.52	7,147.06	7,084.68	62.38	114.575		
8,100.00	7,009.38	4,771.86	4,484.75	47.12	43.43	-53.43	-2,731.91	-5,862.13	7,065.91	7,002.94	62.97	112.215		
8,200.00	7,008.42	4,783.98	4,495.61	49.12	43.58	-53.59	-2,737.01	-5,863.78	6,985.22	6,921.59	63.64	109.769		
8,300.00	7,007.45	4,796.29	4,506.66	51.21	43.73	-53.76	-2,742.19	-5,865.47	6,905.02	6,840.63	64.38	107.247		
8,400.00	7,006.49	4,800.00	4,509.99	53.36	43.78	-53.81	-2,743.74	-5,865.98	6,825.32	6,760.21	65.11	104.832		
8,500.00	7,005.52	4,800.00	4,509.99	55.57	43.78	-53.81	-2,743.74	-5,865.98	6,746.15	6,680.29	65.86	102.430		
8,600.00	7,004.56	4,822.21	4,529.89	57.84	44.06	-54.10	-2,753.08	-5,869.06	6,667.48	6,600.52	66.97	99.566		
8,700.00	7,003.59	4,830.53	4,537.35	60.16	44.17	-54.21	-2,756.60	-5,870.22	6,589.40	6,521.42	67.98	96.938		
8,800.00	7,002.63	4,838.91	4,544.85	62.52	44.28	-54.33	-2,760.14	-5,871.40	6,511.89	6,442.83	69.06	94.291		
8,900.00	7,001.66	4,847.34	4,552.40	64.92	44.39	-54.44	-2,763.72	-5,872.59	6,434.99	6,364.77	70.22	91.637		
9,000.00	7,000.70	4,855.84	4,559.99	67.35	44.49	-54.56	-2,767.33	-5,873.78	6,358.71	6,287.25	71.46	88.985		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	4,864.39	4,567.63	69.81	44.60	-54.67	-2,770.97	-5,874.99	6,283.07	6,210.31	72.77	86.345		
9,200.00	6,998.77	4,873.00	4,575.32	72.31	44.71	-54.79	-2,774.65	-5,876.22	6,208.10	6,133.96	74.15	83.724		
9,300.00	6,997.80	4,881.67	4,583.06	74.82	44.83	-54.90	-2,778.36	-5,877.45	6,133.83	6,058.23	75.60	81.132		
9,400.00	6,996.84	4,900.00	4,599.41	77.36	45.06	-55.15	-2,786.23	-5,880.08	6,060.28	5,983.03	77.26	78.442		
9,500.00	6,995.88	4,900.00	4,599.41	79.92	45.06	-55.15	-2,786.23	-5,880.08	5,987.46	5,908.72	78.73	76.046		
9,600.00	6,994.91	4,913.52	4,611.45	82.49	45.24	-55.33	-2,792.04	-5,882.03	5,915.41	5,834.94	80.47	73.515		
9,700.00	6,993.95	4,928.53	4,624.84	85.09	45.44	-55.54	-2,798.49	-5,884.20	5,844.14	5,761.85	82.29	71.021		
9,800.00	6,992.98	4,943.68	4,638.34	87.70	45.64	-55.74	-2,804.98	-5,886.41	5,773.68	5,689.50	84.18	68.586		
9,900.00	6,992.02	4,958.98	4,651.98	90.32	45.84	-55.95	-2,811.53	-5,888.65	5,704.07	5,617.92	86.15	66.214		
10,000.00	6,991.05	4,974.41	4,665.75	92.95	46.04	-56.16	-2,818.14	-5,890.92	5,635.33	5,547.14	88.18	63.905		
10,100.00	6,990.09	4,990.00	4,679.65	95.60	46.25	-56.37	-2,824.79	-5,893.23	5,567.49	5,477.20	90.29	61.662		
10,200.00	6,989.12	5,022.82	4,708.95	98.26	46.67	-56.82	-2,838.78	-5,898.07	5,500.57	5,407.85	92.72	59.324		
10,300.00	6,988.16	5,080.78	4,760.78	100.92	47.42	-57.61	-2,863.40	-5,906.24	5,434.53	5,338.92	95.60	56.844		
10,400.00	6,987.19	5,140.00	4,754.39	103.60	115.86	-57.51	-2,860.32	-5,905.11	5,369.35	5,234.71	134.64	39.880		
10,500.00	6,986.23	5,199.47	4,867.30	106.28	48.86	-59.24	-2,913.60	-5,921.07	5,305.15	5,203.49	101.66	52.185		
10,600.00	6,985.26	5,254.23	4,916.66	108.98	49.47	-60.00	-2,936.49	-5,927.22	5,241.91	5,137.17	104.74	50.049		
10,700.00	6,984.30	5,308.89	4,966.17	111.68	50.08	-60.76	-2,958.82	-5,933.39	5,179.70	5,071.81	107.89	48.010		
10,800.00	6,983.33	5,363.11	4,936.11	114.38	111.70	-60.30	-2,945.14	-5,929.64	5,118.59	4,972.57	146.01	35.056		
10,900.00	6,982.37	5,376.31	5,027.50	117.09	50.79	-61.70	-2,985.79	-5,940.94	5,058.63	4,944.86	113.77	44.464		
11,000.00	6,981.40	5,410.77	5,058.95	119.81	51.16	-62.18	-2,999.35	-5,944.77	4,999.86	4,883.03	116.83	42.794		
11,100.00	6,980.44	5,434.20	5,034.20	122.54	111.81	-61.80	-2,988.59	-5,941.74	4,942.39	4,788.15	154.24	32.044		
11,200.00	6,979.47	5,422.33	5,069.50	125.26	51.28	-62.34	-3,003.88	-5,946.11	4,886.27	4,763.98	122.28	39.959		
11,300.00	6,978.51	5,432.52	5,078.80	128.00	51.39	-62.48	-3,007.85	-5,947.30	4,831.53	4,706.36	125.17	38.599		
11,400.00	6,977.54	5,443.05	5,088.42	130.73	51.51	-62.63	-3,011.96	-5,948.55	4,778.24	4,650.10	128.13	37.291		
11,500.00	6,976.58	5,453.95	5,098.37	133.48	51.62	-62.78	-3,016.20	-5,949.87	4,726.43	4,595.26	131.16	36.034		
11,600.00	6,975.62	5,465.23	5,108.67	136.22	51.74	-62.94	-3,020.58	-5,951.26	4,676.15	4,541.89	134.26	34.828		
11,700.00	6,974.65	5,476.91	5,119.35	138.97	51.87	-63.10	-3,025.11	-5,952.74	4,627.46	4,490.02	137.43	33.671		
11,800.00	6,973.69	5,489.02	5,130.41	141.73	52.00	-63.27	-3,029.79	-5,954.29	4,580.39	4,439.72	140.67	32.562		
11,900.00	6,972.72	5,501.58	5,141.88	144.48	52.13	-63.44	-3,034.63	-5,955.94	4,535.00	4,391.03	143.97	31.499		
12,000.00	6,971.76	5,512.41	5,151.76	147.24	52.25	-63.59	-3,038.80	-5,957.37	4,491.35	4,344.05	147.30	30.491		
12,100.00	6,970.79	5,523.63	5,162.01	150.00	52.38	-63.75	-3,043.13	-5,958.87	4,449.48	4,298.79	150.69	29.527		
12,200.00	6,969.83	5,535.03	5,172.41	152.77	52.51	-63.91	-3,047.53	-5,960.41	4,409.44	4,255.31	154.14	28.608		
12,300.00	6,968.86	5,546.48	5,182.84	155.54	54.88	-67.09	-3,128.98	-5,992.72	4,370.42	4,209.03	161.40	27.079		
12,400.00	6,967.90	5,557.91	5,193.27	158.31	54.97	-67.22	-3,132.07	-5,994.16	4,333.45	4,168.49	164.96	26.269		
12,500.00	6,966.93	5,569.34	5,203.70	161.08	55.06	-67.35	-3,135.26	-5,995.67	4,298.45	4,129.87	168.57	25.499		
12,600.00	6,965.97	5,580.77	5,214.13	163.85	55.24	-67.61	-3,141.25	-5,998.54	4,265.48	4,093.11	172.37	24.746		
12,700.00	6,965.00	5,592.20	5,224.56	166.63	55.37	-67.79	-3,145.70	-6,000.72	4,234.55	4,058.42	176.12	24.043		
12,800.00	6,964.04	5,603.63	5,235.00	169.41	56.08	-68.77	-3,168.30	-6,012.25	4,205.58	4,024.69	180.89	23.250		
12,900.00	6,963.07	5,615.06	5,245.43	172.19	127.86	-68.66	-3,165.60	-6,011.00	4,178.52	3,955.53	222.98	18.739		
13,000.00	6,962.11	5,626.49	5,255.86	174.97	56.46	-69.29	-3,180.07	-6,018.62	4,153.75	3,965.01	188.75	22.007		
13,100.00	6,961.14	5,637.92	5,266.29	177.76	56.59	-69.46	-3,183.91	-6,020.77	4,131.15	3,938.57	192.58	21.451		
13,200.00	6,960.18	5,649.35	5,276.72	180.54	56.72	-69.63	-3,187.89	-6,023.03	4,110.80	3,914.37	196.43	20.927		
13,300.00	6,959.21	5,660.78	5,287.15	183.33	56.86	-69.82	-3,192.03	-6,025.41	4,092.73	3,892.45	200.28	20.435		
13,400.00	6,958.25	5,672.21	5,297.58	186.12	57.00	-70.00	-3,196.32	-6,027.92	4,076.98	3,872.85	204.13	19.973		
13,500.00	6,957.28	5,683.64	5,308.01	188.91	57.15	-70.20	-3,200.79	-6,030.58	4,063.56	3,855.60	207.96	19.540		
13,600.00	6,956.32	5,694.07	5,318.44	191.70	57.30	-70.40	-3,205.28	-6,033.30	4,052.49	3,840.73	211.77	19.137		
13,700.00	6,955.35	5,705.50	5,328.87	194.49	57.30	-70.40	-3,205.28	-6,033.30	4,043.84	3,828.59	215.25	18.787		
13,800.00	6,954.39	5,716.93	5,339.30	197.29	57.30	-70.40	-3,205.28	-6,033.30	4,037.64	3,818.98	218.66	18.465		
13,900.00	6,953.43	5,728.36	5,349.73	200.08	57.30	-70.40	-3,205.28	-6,033.30	4,033.92	3,811.91	222.01	18.170		
14,000.00	6,952.46	5,739.79	5,360.16	202.88	57.70	-70.86	-3,216.10	-6,039.86	4,032.33	3,806.32	226.02	17.841		
14,007.29	6,952.39	5,741.18	5,361.55	203.08	57.71	-70.87	-3,216.30	-6,039.98	4,032.33	3,806.06	226.27	17.821 CC		
14,100.00	6,951.50	5,752.61	5,371.98	205.68	57.80	-70.98	-3,218.93	-6,041.57	4,033.37	3,803.97	229.41	17.582		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Boomerang 21-5 - SOUTH #6-24D - OH - OH		Offset Site Error:		0.00 ft
Survey Program:												100-GYRO-NS		Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
14,200.00	6,950.53	6,050.48	5,650.07	208.48	57.91	-71.10	-3,221.83	-6,043.31	4,036.85	3,804.14	232.71	17.347				
14,300.00	6,949.57	6,059.25	5,658.13	211.28	58.01	-71.22	-3,224.79	-6,045.08	4,042.75	3,806.83	235.92	17.136				
14,400.00	6,948.60	6,068.14	5,666.29	214.08	58.12	-71.34	-3,227.81	-6,046.89	4,051.06	3,812.03	239.03	16.948				
14,500.00	6,947.64	6,100.00	5,695.43	216.88	58.50	-71.78	-3,238.87	-6,053.48	4,061.93	3,819.33	242.60	16.743				
14,600.00	6,946.67	6,100.00	5,695.43	219.68	58.50	-71.78	-3,238.87	-6,053.48	4,074.92	3,829.64	245.28	16.613				
14,700.00	6,945.71	14,700.00	5,745.79	222.49	167.15	-72.54	-3,257.33	-6,064.76	4,089.96	3,761.62	328.33	12.457	ES, SF			
14,800.00	6,944.74	6,228.72	5,813.93	225.29	60.03	-73.57	-3,281.76	-6,079.65	4,107.32	3,853.83	253.49	16.203				
14,900.00	6,943.78	6,241.75	5,826.05	228.10	60.17	-73.75	-3,285.94	-6,082.04	4,126.77	3,870.61	256.16	16.110				
15,000.00	6,942.81	6,253.84	5,837.29	230.90	60.29	-73.92	-3,289.82	-6,084.17	4,148.47	3,889.79	258.68	16.037				
15,100.00	6,941.85	6,265.07	5,847.76	233.71	60.41	-74.08	-3,293.43	-6,086.07	4,172.41	3,911.36	261.05	15.983				
15,200.00	6,940.88	6,275.54	5,857.52	236.52	60.52	-74.22	-3,296.79	-6,087.78	4,198.55	3,935.28	263.27	15.947				
15,300.00	6,939.92	6,300.00	5,880.38	239.32	60.78	-74.56	-3,304.65	-6,091.53	4,226.90	3,961.20	265.71	15.908				
15,400.00	6,938.95	6,300.00	5,880.38	242.13	60.78	-74.56	-3,304.65	-6,091.53	4,257.30	3,989.88	267.41	15.920				
15,500.00	6,937.99	6,300.00	5,880.38	244.94	60.78	-74.56	-3,304.65	-6,091.53	4,289.81	4,020.83	268.98	15.948				
15,600.00	6,937.02	6,314.80	5,894.23	247.75	60.92	-74.77	-3,309.41	-6,093.70	4,324.35	4,053.57	270.78	15.970				
15,706.13	6,936.00	6,326.32	5,905.00	250.74	61.03	-74.93	-3,313.13	-6,095.39	4,363.18	4,090.73	272.45	16.014				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	23.81	2,256.14	995.37	2,466.02					
100.00	100.00	79.35	79.35	3.28	3.28	23.81	2,256.15	995.44	2,466.00	2,459.43	6.57	375.394		
200.00	200.00	179.73	179.73	3.34	3.33	23.81	2,256.20	995.63	2,466.11	2,459.45	6.66	370.081		
300.00	300.00	278.64	278.64	3.44	3.42	23.81	2,256.25	995.76	2,466.22	2,459.35	6.87	359.095		
400.00	399.98	377.18	377.18	3.60	3.57	-23.21	2,256.41	995.81	2,464.78	2,457.61	7.17	343.794		
500.00	499.84	475.86	475.86	3.81	3.75	-23.30	2,256.70	995.69	2,460.19	2,452.63	7.56	325.452		
600.00	599.45	572.52	572.52	4.05	3.97	-23.45	2,257.09	995.51	2,452.48	2,444.46	8.02	305.752		
700.00	698.70	673.05	673.05	4.33	4.23	-23.67	2,257.64	995.17	2,441.66	2,433.10	8.56	285.321		
800.00	797.47	775.80	775.80	4.64	4.52	-23.95	2,258.13	994.65	2,427.55	2,418.40	9.16	265.115		
902.00	897.58	875.81	875.80	4.98	4.82	-24.30	2,258.52	994.09	2,409.84	2,400.04	9.80	245.850		
1,000.00	993.42	969.93	969.92	5.33	5.13	-24.51	2,258.88	993.69	2,391.34	2,380.89	10.45	228.837		
1,100.00	1,091.22	1,246.80	1,246.56	5.71	6.11	-25.01	2,249.98	994.09	2,370.60	2,358.84	11.76	201.631		
1,200.00	1,189.02	1,467.11	1,465.54	6.11	7.07	-25.32	2,226.07	992.41	2,341.12	2,328.20	12.92	181.218		
1,300.00	1,286.82	1,755.36	1,748.90	6.53	8.63	-25.48	2,174.03	992.16	2,305.99	2,291.62	14.37	160.463		
1,400.00	1,384.62	1,888.90	1,878.50	6.95	9.48	-25.44	2,141.80	993.35	2,265.79	2,250.50	15.29	148.171		
1,500.00	1,482.42	2,002.69	1,988.45	7.38	10.23	-25.35	2,112.59	995.30	2,224.67	2,208.50	16.17	137.622		
1,600.00	1,580.22	2,162.84	2,142.17	7.83	11.33	-25.20	2,067.74	997.72	2,181.28	2,164.07	17.21	126.727		
1,700.00	1,678.03	2,330.00	2,300.00	8.27	7.81	-24.96	2,005.42	998.73	2,134.89	2,119.66	15.22	140.227		
1,800.00	1,775.83	2,491.71	2,452.35	8.72	13.88	-24.75	1,958.88	998.13	2,084.26	2,064.95	19.31	107.944		
1,900.00	1,873.63	2,740.98	2,680.03	9.18	16.25	-24.08	1,857.68	998.65	2,029.32	2,008.70	20.63	98.390		
2,000.00	1,971.43	2,800.00	2,733.00	9.64	16.86	-23.88	1,831.65	998.45	1,971.98	1,950.57	21.40	92.146		
2,100.00	2,069.23	2,849.41	2,777.70	10.11	17.33	-23.72	1,810.59	998.18	1,915.89	1,893.73	22.16	86.471		
2,200.00	2,167.03	2,900.00	2,824.11	10.57	17.80	-23.58	1,790.46	998.02	1,861.87	1,838.93	22.93	81.182		
2,300.00	2,264.83	3,032.42	2,945.02	11.04	19.01	-23.16	1,736.49	997.29	1,807.19	1,783.30	23.89	75.653		
2,400.00	2,362.63	3,100.00	3,006.40	11.52	19.65	-22.92	1,708.24	996.86	1,751.66	1,726.93	24.73	70.827		
2,500.00	2,460.43	3,159.69	3,060.96	11.99	20.17	-22.71	1,684.04	996.27	1,697.11	1,671.55	25.56	66.388		
2,600.00	2,558.23	3,230.97	3,126.72	12.47	20.78	-22.51	1,656.57	994.96	1,643.87	1,617.45	26.41	62.233		
2,700.00	2,656.03	3,329.84	3,217.75	12.94	21.60	-22.21	1,618.06	992.78	1,590.20	1,562.91	27.29	58.263		
2,800.00	2,753.83	3,400.00	3,282.34	13.42	22.19	-22.01	1,590.71	990.73	1,536.35	1,508.20	28.16	54.564		
2,900.00	2,851.63	3,466.81	3,344.12	13.90	22.72	-21.81	1,565.37	988.81	1,483.43	1,454.40	29.03	51.103		
3,000.00	2,949.43	3,536.37	3,408.89	14.38	23.26	-21.59	1,540.05	987.44	1,432.00	1,402.09	29.91	47.870		
3,100.00	3,047.23	3,620.80	3,487.49	14.87	23.91	-21.28	1,509.23	986.58	1,380.92	1,350.11	30.81	44.817		
3,200.00	3,145.03	3,705.39	3,566.22	15.35	24.55	-20.92	1,478.29	986.06	1,329.97	1,298.24	31.73	41.921		
3,300.00	3,242.83	3,801.78	3,655.65	15.83	25.30	-20.42	1,442.32	986.16	1,278.72	1,246.08	32.65	39.168		
3,400.00	3,340.63	3,899.70	3,746.02	16.32	26.09	-19.82	1,404.63	986.68	1,226.74	1,193.16	33.58	36.528		
3,500.00	3,438.43	3,997.78	3,836.00	16.80	26.91	-19.11	1,365.61	987.51	1,173.92	1,139.38	34.54	33.990		
3,600.00	3,536.23	4,097.22	3,926.72	17.29	27.78	-18.29	1,324.91	988.03	1,120.15	1,084.66	35.49	31.561		
3,700.00	3,634.03	4,171.00	3,994.17	17.78	28.41	-17.68	1,295.00	987.37	1,066.25	1,029.74	36.52	29.198		
3,800.00	3,731.83	4,256.75	4,072.96	18.26	29.13	-16.99	1,261.22	985.75	1,012.98	975.48	37.50	27.015		
3,900.00	3,829.63	4,342.86	4,151.90	18.75	29.84	-16.22	1,226.88	983.93	959.32	920.84	38.49	24.926		
4,000.00	3,927.43	4,425.36	4,227.64	19.24	30.53	-15.41	1,194.19	982.06	905.95	866.43	39.52	22.926		
4,100.00	4,025.23	4,516.65	4,311.37	19.73	31.30	-14.40	1,157.90	979.77	852.53	812.03	40.50	21.049		
4,200.00	4,123.03	4,621.25	4,406.33	20.22	32.23	-13.02	1,114.21	976.33	797.29	755.91	41.38	19.266		
4,300.00	4,220.83	4,699.98	4,477.59	20.71	32.95	-11.82	1,080.84	973.40	741.72	699.17	42.55	17.432		
4,400.00	4,318.63	4,772.46	4,543.57	21.20	33.58	-10.62	1,051.00	970.48	687.17	643.34	43.83	15.679		
4,500.00	4,416.43	4,843.74	4,609.04	21.69	34.16	-9.38	1,022.97	967.43	634.21	589.04	45.17	14.039		
4,600.00	4,514.23	4,916.18	4,676.15	22.18	34.73	-7.98	995.80	964.98	583.37	536.78	46.58	12.524		
4,700.00	4,612.03	4,993.91	4,748.55	22.67	35.30	-6.23	967.60	963.08	534.35	486.35	48.01	11.131		
4,800.00	4,709.83	5,073.29	4,822.87	23.16	35.85	-4.18	939.75	961.63	487.09	437.59	49.50	9.840		
4,900.00	4,807.63	5,149.23	4,894.45	23.65	36.34	-1.97	914.43	960.59	442.01	390.86	51.15	8.641		
5,000.00	4,905.43	5,224.44	4,966.10	24.14	36.79	0.46	891.54	960.38	400.38	347.48	52.90	7.569		
5,100.00	5,003.23	5,301.56	5,040.58	24.63	37.18	2.97	871.60	960.42	362.81	308.19	54.62	6.642		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,386.69	5,123.70	25.12	37.54	5.71	853.25	960.35	328.71	272.52	56.19	5.850		
5,300.00	5,198.83	5,475.14	5,210.69	25.62	37.87	8.60	837.25	959.96	297.21	239.51	57.70	5.151		
5,400.00	5,296.63	5,565.81	5,300.32	26.11	38.18	11.65	823.55	959.24	267.90	208.73	59.17	4.528		
5,500.00	5,394.43	5,659.10	5,392.82	26.60	38.47	15.04	811.51	958.36	240.42	179.81	60.61	3.967		
5,600.00	5,492.23	5,753.54	5,486.64	27.09	38.76	18.89	800.78	957.10	214.27	152.20	62.07	3.452		
5,700.00	5,590.03	5,848.08	5,580.74	27.58	39.04	23.18	791.87	955.49	189.63	126.10	63.53	2.985		
5,800.00	5,687.83	5,943.61	5,676.01	28.08	39.32	27.98	785.02	953.69	166.76	101.80	64.95	2.567		
5,900.00	5,785.63	6,040.07	5,772.27	28.57	39.58	33.75	779.35	951.58	145.32	78.98	66.34	2.191		
6,000.00	5,883.43	6,136.65	5,868.72	29.06	39.85	40.86	774.75	949.31	125.70	58.08	67.63	1.859		
6,100.00	5,981.23	6,233.88	5,965.87	29.56	40.12	49.59	771.62	946.91	108.40	39.79	68.62	1.580		
6,200.00	6,079.04	6,331.56	6,063.51	30.05	40.38	59.64	771.24	944.18	93.41	24.35	69.06	1.353 Level 3		
6,300.00	6,176.84	6,428.75	6,160.66	30.54	40.65	71.34	772.71	942.35	82.20	13.47	68.73	1.196 Level 2		
6,409.71	6,284.13	6,535.80	6,267.69	31.08	40.94	87.17	774.38	940.58	75.26	8.28	66.98	1.124 Level 2, ES, SF		
6,428.66	6,302.70	6,554.26	6,286.14	31.17	41.00	95.88	774.56	940.24	74.96	8.40	66.56	1.126 Level 2, CC		
6,450.00	6,323.71	6,575.13	6,307.01	31.28	41.05	107.12	774.71	939.83	75.31	9.17	66.14	1.139 Level 2		
6,500.00	6,373.15	6,624.63	6,356.50	31.50	41.19	139.97	774.94	938.83	78.48	13.01	65.47	1.199 Level 2		
6,550.00	6,422.65	6,674.75	6,406.61	31.70	41.33	173.52	775.65	938.08	83.87	18.49	65.39	1.283 Level 3		
6,600.00	6,471.92	6,724.17	6,456.01	31.89	41.47	-165.16	776.80	937.58	91.04	25.17	65.88	1.382 Level 3		
6,650.00	6,520.65	6,772.44	6,504.27	32.07	41.61	-154.49	777.56	937.04	100.52	33.79	66.73	1.506		
6,700.00	6,568.54	6,819.84	6,551.67	32.25	41.74	-149.69	777.87	936.43	112.62	44.85	67.77	1.662		
6,750.00	6,615.30	6,866.02	6,597.85	32.43	41.87	-148.00	777.91	935.98	127.64	58.74	68.90	1.853		
6,800.00	6,660.63	6,911.08	6,642.91	32.61	42.00	-147.89	777.77	935.73	145.86	75.86	70.00	2.084		
6,850.00	6,704.26	6,955.95	6,687.78	32.80	42.13	-148.65	777.79	935.42	167.07	96.09	70.98	2.354		
6,900.00	6,745.92	6,999.06	6,730.88	33.00	42.26	-149.67	778.09	934.97	191.25	119.42	71.83	2.662		
6,950.00	6,785.34	7,040.02	6,771.83	33.21	42.37	-150.61	778.56	934.40	218.46	145.91	72.55	3.011		
7,000.00	6,822.30	7,078.74	6,810.54	33.44	42.49	-151.33	779.13	933.71	248.66	175.52	73.13	3.400		
7,050.00	6,856.55	7,114.90	6,846.69	33.69	42.59	-151.70	779.77	932.92	281.71	208.11	73.60	3.827		
7,100.00	6,887.90	7,148.20	6,879.97	33.97	42.69	-151.65	780.44	932.11	317.49	243.51	73.98	4.292		
7,150.00	6,916.14	7,178.54	6,910.29	34.28	42.78	-151.08	781.12	931.30	355.79	281.51	74.27	4.790		
7,200.00	6,941.10	7,205.73	6,937.46	34.62	42.86	-149.88	781.79	930.51	396.37	321.86	74.50	5.320		
7,250.00	6,962.63	7,228.69	6,960.40	35.00	42.92	-147.74	782.39	929.84	439.01	364.32	74.69	5.878		
7,300.00	6,980.59	7,248.24	6,979.94	35.43	42.98	-144.44	782.93	929.25	483.45	408.62	74.83	6.461		
7,350.00	6,994.88	7,264.10	6,995.79	35.89	43.03	-139.42	783.39	928.78	529.38	454.46	74.93	7.065		
7,400.00	7,005.41	7,276.18	7,007.86	36.39	43.06	-131.80	783.75	928.42	576.52	501.52	74.99	7.687		
7,450.00	7,012.10	7,284.40	7,016.07	36.93	43.09	-120.28	784.00	928.18	624.54	549.50	75.04	8.323		
7,500.00	7,014.93	7,288.71	7,020.37	37.50	43.10	-103.72	784.13	928.05	673.14	598.08	75.06	8.968		
7,517.56	7,015.00	7,289.28	7,020.95	37.70	43.10	-96.81	784.15	928.03	690.28	615.21	75.06	9.196		
7,600.00	7,014.21	7,290.85	7,022.51	38.74	43.11	-97.42	784.20	927.98	771.03	695.96	75.07	10.270		
7,700.00	7,013.24	7,292.75	7,024.41	40.15	43.11	-98.15	784.26	927.93	869.40	794.32	75.07	11.580		
7,800.00	7,012.28	7,294.65	7,026.31	41.71	43.12	-98.88	784.32	927.87	968.09	893.02	75.07	12.895		
7,900.00	7,011.31	7,296.55	7,028.21	43.40	43.12	-99.61	784.38	927.81	1,067.03	991.96	75.07	14.214		
8,000.00	7,010.35	7,298.45	7,030.11	45.21	43.13	-100.34	784.44	927.75	1,166.15	1,091.08	75.07	15.535		
8,100.00	7,009.38	7,300.42	7,032.07	47.12	43.14	-101.09	784.50	927.70	1,265.40	1,190.34	75.06	16.858		
8,200.00	7,008.42	7,302.70	7,034.35	49.12	43.14	-101.96	784.58	927.63	1,364.76	1,289.69	75.06	18.182		
8,300.00	7,007.45	7,305.04	7,036.69	51.21	43.15	-102.85	784.65	927.56	1,464.20	1,389.14	75.06	19.506		
8,400.00	7,006.49	7,307.46	7,039.11	53.36	43.16	-103.75	784.73	927.48	1,563.71	1,488.65	75.06	20.832		
8,500.00	7,005.52	7,309.95	7,041.59	55.57	43.16	-104.68	784.81	927.40	1,663.28	1,588.21	75.07	22.157		
8,600.00	7,004.56	7,312.52	7,044.16	57.84	43.17	-105.63	784.89	927.32	1,762.89	1,687.82	75.07	23.482		
8,700.00	7,003.59	7,315.17	7,046.81	60.16	43.18	-106.61	784.98	927.24	1,862.54	1,787.46	75.08	24.807		
8,800.00	7,002.63	7,317.91	7,049.54	62.52	43.19	-107.61	785.07	927.15	1,962.22	1,887.14	75.09	26.132		
8,900.00	7,001.66	7,320.74	7,052.37	64.92	43.20	-108.62	785.16	927.06	2,061.94	1,986.84	75.10	27.456		
9,000.00	7,000.70	7,323.66	7,055.29	67.35	43.20	-109.67	785.26	926.96	2,161.67	2,086.56	75.11	28.779		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,326.68	7,058.30	69.81	43.21	-110.73	785.36	926.86	2,261.43	2,186.30	75.13	30.102		
9,200.00	6,998.77	7,329.80	7,061.42	72.31	43.22	-111.82	785.46	926.76	2,361.20	2,286.06	75.14	31.424		
9,300.00	6,997.80	7,333.03	7,064.65	74.82	43.23	-112.93	785.57	926.65	2,460.99	2,385.83	75.16	32.745		
9,400.00	6,996.84	7,336.38	7,068.00	77.36	43.24	-114.06	785.68	926.54	2,560.79	2,485.62	75.18	34.064		
9,500.00	6,995.88	7,339.85	7,071.47	79.92	43.25	-115.22	785.80	926.41	2,660.61	2,585.41	75.20	35.383		
9,600.00	6,994.91	7,343.45	7,075.06	82.49	43.26	-116.39	785.92	926.29	2,760.43	2,685.22	75.22	36.700		
9,700.00	6,993.95	7,347.19	7,078.79	85.09	43.27	-117.59	786.05	926.15	2,860.27	2,785.03	75.24	38.016		
9,800.00	6,992.98	7,351.07	7,082.67	87.70	43.29	-118.81	786.18	926.01	2,960.11	2,884.85	75.26	39.330		
9,900.00	6,992.02	7,355.10	7,086.69	90.32	43.30	-120.06	786.32	925.87	3,059.96	2,984.67	75.29	40.643		
10,000.00	6,991.05	7,359.29	7,090.88	92.95	43.31	-121.32	786.46	925.71	3,159.81	3,084.50	75.32	41.955		
10,100.00	6,990.09	10,100.00	7,079.64	95.60	51.44	-117.86	786.08	926.12	3,259.69	3,176.17	83.52	39.028		
10,200.00	6,989.12	10,200.00	7,081.82	98.26	51.73	-118.55	786.15	926.05	3,359.57	3,275.73	83.84	40.071		
10,300.00	6,988.16	10,300.00	7,084.00	100.92	52.03	-119.23	786.22	925.97	3,459.45	3,375.29	84.16	41.104		
10,400.00	6,987.19	10,400.00	7,086.19	103.60	52.33	-119.90	786.30	925.90	3,559.34	3,474.86	84.49	42.130		
10,500.00	6,986.23	7,350.00	7,081.60	106.28	43.28	-118.48	786.14	926.05	3,659.24	3,583.77	75.47	48.487		
10,600.00	6,985.26	7,350.00	7,081.60	108.98	43.28	-118.48	786.14	926.05	3,759.15	3,683.64	75.50	49.789		
10,700.00	6,984.30	7,350.00	7,081.60	111.68	43.28	-118.48	786.14	926.05	3,859.05	3,783.52	75.54	51.089		
10,800.00	6,983.33	7,350.00	7,081.60	114.38	43.28	-118.48	786.14	926.05	3,958.96	3,883.39	75.57	52.387		
10,900.00	6,982.37	7,350.00	7,081.60	117.09	43.28	-118.48	786.14	926.05	4,058.88	3,983.27	75.61	53.684		
11,000.00	6,981.40	7,350.00	7,081.60	119.81	43.28	-118.48	786.14	926.05	4,158.80	4,083.16	75.65	54.978		
11,100.00	6,980.44	7,350.00	7,081.60	122.54	43.28	-118.48	786.14	926.05	4,258.73	4,183.04	75.68	56.270		
11,200.00	6,979.47	7,350.00	7,081.60	125.26	43.28	-118.48	786.14	926.05	4,358.65	4,282.93	75.72	57.560		
11,300.00	6,978.51	7,350.00	7,081.60	128.00	43.28	-118.48	786.14	926.05	4,458.58	4,382.82	75.76	58.848		
11,400.00	6,977.54	7,350.00	7,081.60	130.73	43.28	-118.48	786.14	926.05	4,558.52	4,482.71	75.81	60.134		
11,500.00	6,976.58	7,350.00	7,081.60	133.48	43.28	-118.48	786.14	926.05	4,658.46	4,582.61	75.85	61.418		
11,600.00	6,975.62	7,350.00	7,081.60	136.22	43.28	-118.48	786.14	926.05	4,758.39	4,682.50	75.89	62.700		
11,700.00	6,974.65	7,350.00	7,081.60	138.97	43.28	-118.48	786.14	926.05	4,858.34	4,782.40	75.94	63.979		
11,800.00	6,973.69	7,350.00	7,081.60	141.73	43.28	-118.48	786.14	926.05	4,958.28	4,882.30	75.98	65.256		
11,900.00	6,972.72	7,350.00	7,081.60	144.48	43.28	-118.48	786.14	926.05	5,058.23	4,982.20	76.03	66.530		
12,000.00	6,971.76	7,350.00	7,081.60	147.24	43.28	-118.48	786.14	926.05	5,158.18	5,082.10	76.08	67.802		
12,100.00	6,970.79	7,350.00	7,081.60	150.00	43.28	-118.48	786.14	926.05	5,258.13	5,182.00	76.13	69.072		
12,200.00	6,969.83	7,350.00	7,081.60	152.77	43.28	-118.48	786.14	926.05	5,358.08	5,281.90	76.18	70.339		
12,300.00	6,968.86	7,350.00	7,081.60	155.54	43.28	-118.48	786.14	926.05	5,458.03	5,381.81	76.23	71.603		
12,400.00	6,967.90	7,350.00	7,081.60	158.31	43.28	-118.48	786.14	926.05	5,557.99	5,481.71	76.28	72.865		
12,500.00	6,966.93	7,350.00	7,081.60	161.08	43.28	-118.48	786.14	926.05	5,657.95	5,581.62	76.33	74.124		
12,600.00	6,965.97	7,350.00	7,081.60	163.85	43.28	-118.48	786.14	926.05	5,757.91	5,681.52	76.38	75.381		
12,700.00	6,965.00	7,350.00	7,081.60	166.63	43.28	-118.48	786.14	926.05	5,857.87	5,781.43	76.44	76.635		
12,800.00	6,964.04	7,350.00	7,081.60	169.41	43.28	-118.48	786.14	926.05	5,957.83	5,881.33	76.49	77.886		
12,900.00	6,963.07	7,350.00	7,081.60	172.19	43.28	-118.48	786.14	926.05	6,057.79	5,981.24	76.55	79.134		
13,000.00	6,962.11	7,350.00	7,081.60	174.97	43.28	-118.48	786.14	926.05	6,157.75	6,081.15	76.61	80.379		
13,100.00	6,961.14	7,350.00	7,081.60	177.76	43.28	-118.48	786.14	926.05	6,257.72	6,181.05	76.67	81.622		
13,200.00	6,960.18	7,350.00	7,081.60	180.54	43.28	-118.48	786.14	926.05	6,357.69	6,280.96	76.73	82.862		
13,300.00	6,959.21	7,350.00	7,081.60	183.33	43.28	-118.48	786.14	926.05	6,457.65	6,380.87	76.79	84.098		
13,400.00	6,958.25	7,350.00	7,081.60	186.12	43.28	-118.48	786.14	926.05	6,557.62	6,480.77	76.85	85.332		
13,500.00	6,957.28	7,350.00	7,081.60	188.91	43.28	-118.48	786.14	926.05	6,657.59	6,580.68	76.91	86.563		
13,600.00	6,956.32	7,350.00	7,081.60	191.70	43.28	-118.48	786.14	926.05	6,757.56	6,680.59	76.97	87.791		
13,700.00	6,955.35	7,350.00	7,081.60	194.49	43.28	-118.48	786.14	926.05	6,857.53	6,780.49	77.04	89.015		
13,800.00	6,954.39	7,350.00	7,081.60	197.29	43.28	-118.48	786.14	926.05	6,957.50	6,880.40	77.10	90.237		
13,900.00	6,953.43	7,350.00	7,081.60	200.08	43.28	-118.48	786.14	926.05	7,057.48	6,980.31	77.17	91.455		
14,000.00	6,952.46	7,350.00	7,081.60	202.88	43.28	-118.48	786.14	926.05	7,157.45	7,080.21	77.24	92.671		
14,100.00	6,951.50	7,350.00	7,081.60	205.68	43.28	-118.48	786.14	926.05	7,257.42	7,180.12	77.30	93.883		
14,200.00	6,950.53	7,350.00	7,081.60	208.48	43.28	-118.48	786.14	926.05	7,357.40	7,280.03	77.37	95.092		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC #31-5D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,300.00	6,949.57	7,350.00	7,081.60	211.28	43.28	-118.48	786.14	926.05	7,457.37	7,379.93	77.44	96.297	
14,400.00	6,948.60	7,350.00	7,081.60	214.08	43.28	-118.48	786.14	926.05	7,557.35	7,479.84	77.51	97.500	
14,500.00	6,947.64	7,350.00	7,081.60	216.88	43.28	-118.48	786.14	926.05	7,657.33	7,579.74	77.58	98.699	
14,600.00	6,946.67	7,350.00	7,081.60	219.68	43.28	-118.48	786.14	926.05	7,757.30	7,679.65	77.65	99.895	
14,700.00	6,945.71	7,350.00	7,081.60	222.49	43.28	-118.48	786.14	926.05	7,857.28	7,779.55	77.73	101.087	
14,800.00	6,944.74	7,350.00	7,081.60	225.29	43.28	-118.48	786.14	926.05	7,957.26	7,879.46	77.80	102.276	
14,900.00	6,943.78	7,350.00	7,081.60	228.10	43.28	-118.48	786.14	926.05	8,057.24	7,979.36	77.88	103.462	
15,000.00	6,942.81	7,350.00	7,081.60	230.90	43.28	-118.48	786.14	926.05	8,157.22	8,079.27	77.95	104.645	
15,100.00	6,941.85	7,350.00	7,081.60	233.71	43.28	-118.48	786.14	926.05	8,257.20	8,179.17	78.03	105.824	
15,200.00	6,940.88	7,350.00	7,081.60	236.52	43.28	-118.48	786.14	926.05	8,357.18	8,279.08	78.11	106.999	
15,300.00	6,939.92	7,350.00	7,081.60	239.32	43.28	-118.48	786.14	926.05	8,457.16	8,378.98	78.18	108.171	
15,400.00	6,938.95	7,350.00	7,081.60	242.13	43.28	-118.48	786.14	926.05	8,557.14	8,478.88	78.26	109.340	
15,500.00	6,937.99	7,350.00	7,081.60	244.94	43.28	-118.48	786.14	926.05	8,657.12	8,578.78	78.34	110.505	
15,600.00	6,937.02	7,350.00	7,081.60	247.75	43.28	-118.48	786.14	926.05	8,757.11	8,678.69	78.42	111.667	
15,706.13	6,936.00	7,350.00	7,081.60	250.74	43.28	-118.48	786.14	926.05	8,863.22	8,784.71	78.51	112.896	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2,173.54	2,072.61	3.28	27.63	94.03	-362.42	5,147.13	5,579.41					
100.00	100.00	2,229.59	2,122.85	3.28	28.90	93.87	-347.10	5,127.58	5,541.59	5,520.21	21.38	259.209		
200.00	200.00	2,269.33	2,158.43	3.34	29.80	93.75	-335.56	5,114.16	5,504.64	5,482.68	21.96	250.695		
300.00	300.00	2,324.53	2,207.83	3.44	31.02	93.58	-318.77	5,096.16	5,468.59	5,445.80	22.80	239.901		
400.00	399.98	2,569.38	2,428.63	3.60	36.45	46.55	-255.51	5,011.47	5,430.35	5,404.36	26.00	208.874		
500.00	499.84	2,855.08	2,680.85	3.81	43.89	46.46	-172.39	4,906.41	5,388.10	5,357.65	30.44	176.980		
600.00	599.45	2,900.00	2,719.57	4.05	45.22	47.09	-157.40	4,889.26	5,341.39	5,309.91	31.48	169.686		
700.00	698.70	2,945.71	2,759.17	4.33	46.47	47.77	-142.36	4,872.10	5,293.32	5,260.81	32.50	162.859		
800.00	797.47	3,000.00	2,806.89	4.64	47.96	48.49	-125.43	4,852.52	5,244.46	5,210.78	33.69	155.685		
902.00	897.58	3,000.00	2,806.89	4.98	47.96	49.38	-125.43	4,852.52	5,193.18	5,159.19	33.98	152.812		
1,000.00	993.42	3,040.75	2,843.11	5.33	48.91	49.32	-113.28	4,838.33	5,143.96	5,109.09	34.86	147.545		
1,100.00	1,091.22	3,100.00	2,896.20	5.71	50.28	49.24	-96.25	4,818.30	5,094.66	5,058.63	36.03	141.399		
1,200.00	1,189.02	3,223.99	3,007.22	6.11	53.10	49.07	-60.93	4,775.86	5,045.22	5,007.15	38.08	132.504		
1,300.00	1,286.82	3,279.89	3,057.38	6.53	54.38	49.00	-45.61	4,756.52	4,995.53	4,956.33	39.20	127.439		
1,400.00	1,384.62	3,300.00	3,075.50	6.95	54.84	48.97	-40.30	4,749.61	4,946.57	4,906.71	39.87	124.072		
1,500.00	1,482.42	3,346.31	3,117.54	7.38	55.75	48.93	-28.58	4,734.11	4,898.44	4,857.63	40.80	120.056		
1,600.00	1,580.22	3,400.00	3,166.86	7.83	56.80	48.89	-15.90	4,717.12	4,851.66	4,809.84	41.82	116.001		
1,700.00	1,678.03	3,426.44	3,191.28	8.27	57.27	48.87	-9.86	4,708.97	4,805.56	4,763.02	42.54	112.969		
1,800.00	1,775.83	3,539.81	3,295.53	8.72	59.31	48.77	17.08	4,673.49	4,759.34	4,715.17	44.16	107.768		
1,900.00	1,873.63	3,600.00	3,350.74	9.18	60.41	48.71	32.13	4,654.83	4,713.36	4,668.08	45.29	104.082		
2,000.00	1,971.43	3,661.74	3,407.59	9.64	61.48	48.65	47.15	4,636.00	4,667.92	4,621.53	46.39	100.623		
2,100.00	2,069.23	3,700.00	3,443.03	10.11	62.14	48.63	55.78	4,624.48	4,623.16	4,575.90	47.26	97.816		
2,200.00	2,167.03	3,753.19	3,492.60	10.57	62.94	48.60	67.13	4,608.88	4,579.21	4,531.01	48.21	94.994		
2,300.00	2,264.83	4,300.00	3,988.41	11.04	74.57	48.02	201.77	4,424.85	4,527.53	4,472.63	54.90	82.464		
2,400.00	2,362.63	4,300.00	3,988.41	11.52	74.57	48.02	201.77	4,424.85	4,476.12	4,420.63	55.49	80.659		
2,500.00	2,460.43	4,355.23	4,036.88	11.99	75.94	47.89	219.44	4,405.14	4,425.31	4,368.38	56.94	77.724		
2,600.00	2,558.23	4,400.00	4,076.71	12.47	77.06	47.80	233.27	4,390.08	4,376.02	4,317.80	58.22	75.158		
2,700.00	2,656.03	4,400.00	4,076.71	12.94	77.06	47.80	233.27	4,390.08	4,327.77	4,268.94	58.83	73.561		
2,800.00	2,753.83	4,453.33	4,124.71	13.42	78.14	47.69	249.01	4,372.98	4,280.55	4,220.43	60.12	71.203		
2,900.00	2,851.63	4,500.00	4,167.15	13.90	79.08	47.61	262.03	4,358.60	4,234.45	4,173.14	61.32	69.059		
3,000.00	2,949.43	4,616.97	4,273.66	14.38	81.31	47.41	294.25	4,322.56	4,188.54	4,125.24	63.30	66.167		
3,100.00	3,047.23	4,697.16	4,346.62	14.87	82.86	47.28	316.22	4,297.56	4,142.30	4,077.42	64.88	63.847		
3,200.00	3,145.03	4,845.16	4,481.14	15.35	85.82	47.04	355.45	4,249.93	4,095.02	4,027.80	67.22	60.921		
3,300.00	3,242.83	3,300.00	4,690.60	15.83	47.88	46.60	419.51	4,170.63	4,046.29	4,001.63	44.66	90.606		
3,400.00	3,340.63	5,266.49	4,856.95	16.32	95.96	46.19	473.57	4,100.80	3,994.31	3,920.23	74.08	53.917		
3,500.00	3,438.43	5,349.60	4,930.07	16.80	98.21	46.00	497.02	4,068.99	3,941.54	3,865.55	75.99	51.871		
3,600.00	3,536.23	5,420.94	4,993.25	17.29	100.11	45.86	516.04	4,041.88	3,889.15	3,811.46	77.69	50.057		
3,700.00	3,634.03	5,550.65	5,108.40	17.78	103.51	45.62	549.12	3,992.19	3,836.73	3,756.72	80.00	47.957		
3,800.00	3,731.83	5,642.21	5,189.79	18.26	105.89	45.49	569.94	3,955.77	3,783.01	3,701.27	81.74	46.282		
3,900.00	3,829.63	5,700.00	5,241.71	18.75	107.36	45.44	581.42	3,933.14	3,730.01	3,646.93	83.08	44.897		
4,000.00	3,927.43	5,732.20	5,270.87	19.24	108.05	45.42	587.33	3,920.83	3,677.89	3,593.75	84.14	43.712		
4,100.00	4,025.23	5,770.59	5,305.86	19.73	108.88	45.40	594.09	3,906.56	3,626.88	3,541.65	85.23	42.554		
4,200.00	4,123.03	6,000.00	5,513.32	20.22	114.29	45.26	635.61	3,818.04	3,574.20	3,486.69	87.50	40.847		
4,300.00	4,220.83	6,046.53	5,554.98	20.71	115.38	45.22	644.08	3,799.14	3,520.34	3,431.66	88.68	39.696		
4,400.00	4,318.63	6,100.00	5,603.82	21.20	116.64	45.22	652.25	3,778.96	3,468.46	3,378.59	89.87	38.595		
4,500.00	4,416.43	6,100.00	5,603.82	21.69	116.64	45.22	652.25	3,778.96	3,417.35	3,326.54	90.81	37.631		
4,600.00	4,514.23	6,100.00	5,603.82	22.18	116.64	45.22	652.25	3,778.96	3,368.43	3,276.70	91.73	36.722		
4,700.00	4,612.03	6,147.30	5,647.80	22.67	117.37	45.24	658.31	3,762.66	3,320.59	3,227.92	92.67	35.832		
4,800.00	4,709.83	6,200.00	5,697.61	23.16	118.19	45.28	664.03	3,746.44	3,275.16	3,181.57	93.59	34.994		
4,900.00	4,807.63	6,200.00	5,697.61	23.65	118.19	45.28	664.03	3,746.44	3,230.64	3,136.20	94.44	34.207		
5,000.00	4,905.43	6,200.00	5,697.61	24.14	118.19	45.28	664.03	3,746.44	3,188.64	3,093.39	95.25	33.478		
5,100.00	5,003.23	6,256.14	5,751.47	24.63	118.70	45.36	668.30	3,731.22	3,147.73	3,051.80	95.92	32.815		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	6,300.00	5,794.01	25.12	119.10	45.46	669.90	3,720.70	3,109.04	3,012.48	96.56	32.198		
5,300.00	5,198.83	6,300.00	5,794.01	25.62	119.10	45.46	669.90	3,720.70	3,072.18	2,974.93	97.25	31.591		
5,400.00	5,296.63	6,348.42	5,841.34	26.11	119.34	45.60	670.44	3,710.48	3,037.02	2,939.32	97.70	31.086		
5,500.00	5,394.43	6,400.00	5,892.08	26.60	119.59	45.77	670.18	3,701.22	3,004.14	2,906.05	98.09	30.626		
5,600.00	5,492.23	6,400.00	5,892.08	27.09	119.59	45.77	670.18	3,701.22	2,972.94	2,874.32	98.63	30.144		
5,700.00	5,590.03	6,449.95	5,941.45	27.58	119.72	45.93	669.63	3,693.74	2,943.72	2,844.78	98.94	29.754		
5,800.00	5,687.83	6,500.00	5,991.12	28.08	119.86	46.09	669.32	3,687.57	2,916.60	2,817.37	99.23	29.393		
5,900.00	5,785.63	6,500.00	5,991.12	28.57	119.86	46.09	669.32	3,687.57	2,891.56	2,791.99	99.57	29.040		
6,000.00	5,883.43	6,550.01	6,040.93	29.06	119.94	46.25	669.42	3,683.02	2,868.42	2,768.63	99.80	28.742		
6,100.00	5,981.23	6,600.00	6,090.84	29.56	120.02	46.39	670.10	3,680.36	2,847.98	2,747.96	100.02	28.475		
6,200.00	6,079.04	6,624.65	6,115.47	30.05	120.05	46.46	670.55	3,679.57	2,829.37	2,729.20	100.18	28.244		
6,300.00	6,176.84	6,688.14	6,178.94	30.54	120.11	46.64	671.45	3,678.05	2,812.41	2,712.06	100.35	28.027		
6,409.71	6,284.13	6,786.02	6,276.80	31.08	120.21	46.93	672.45	3,676.54	2,794.79	2,694.24	100.55	27.794		
6,450.00	6,323.71	6,827.15	6,317.92	31.28	120.25	61.16	672.86	3,675.93	2,789.63	2,688.99	100.64	27.719		
6,500.00	6,373.15	6,880.62	6,371.38	31.50	120.30	88.79	673.32	3,675.07	2,786.68	2,685.94	100.74	27.661		
6,513.27	6,386.29	6,894.84	6,385.60	31.55	120.32	97.43	673.44	3,674.83	2,786.55	2,685.78	100.77	27.653 CC, ES		
6,550.00	6,422.65	6,934.15	6,424.90	31.70	120.36	120.02	673.75	3,674.13	2,787.59	2,686.74	100.84	27.643 SF		
6,600.00	6,471.92	6,987.47	6,478.21	31.89	120.41	141.62	674.27	3,673.12	2,792.33	2,691.39	100.94	27.663		
6,650.00	6,520.65	7,035.91	6,526.63	32.07	120.46	154.09	674.84	3,672.18	2,800.91	2,699.87	101.03	27.723		
6,700.00	6,568.54	7,082.25	6,572.96	32.25	120.51	161.59	675.55	3,671.31	2,813.33	2,712.21	101.13	27.820		
6,750.00	6,615.30	7,133.06	6,623.76	32.43	120.56	166.51	676.51	3,670.37	2,829.51	2,728.26	101.24	27.948		
6,800.00	6,660.63	7,185.96	6,676.63	32.61	120.62	170.00	677.70	3,669.30	2,849.21	2,747.84	101.37	28.107		
6,850.00	6,704.26	7,234.64	6,725.29	32.80	120.68	172.63	678.91	3,668.21	2,872.33	2,770.84	101.50	28.299		
6,900.00	6,745.92	7,280.41	6,771.03	33.00	120.73	174.75	679.95	3,667.12	2,898.78	2,797.16	101.62	28.524		
6,950.00	6,785.34	7,320.78	6,811.38	33.21	120.77	176.56	680.78	3,666.12	2,928.41	2,826.67	101.74	28.783		
7,000.00	6,822.30	7,356.30	6,846.88	33.44	120.81	178.20	681.50	3,665.26	2,961.10	2,859.24	101.86	29.071		
7,050.00	6,856.55	7,389.29	6,879.86	33.69	120.85	179.77	682.15	3,664.48	2,996.64	2,894.66	101.97	29.387		
7,100.00	6,887.90	7,418.25	6,908.81	33.97	120.88	-178.63	682.70	3,663.83	3,034.81	2,932.72	102.09	29.728		
7,150.00	6,916.14	7,443.75	6,934.29	34.28	120.91	-176.87	683.13	3,663.28	3,075.39	2,973.19	102.20	30.092		
7,200.00	6,941.10	7,466.33	6,956.87	34.62	120.94	-174.82	683.48	3,662.81	3,118.12	3,015.81	102.31	30.477		
7,250.00	6,962.63	7,485.88	6,976.41	35.00	120.96	-172.26	683.75	3,662.43	3,162.72	3,060.30	102.43	30.878		
7,300.00	6,980.59	7,502.22	6,992.74	35.43	120.98	-168.78	683.95	3,662.12	3,208.92	3,106.37	102.54	31.293		
7,350.00	6,994.88	7,515.03	7,005.55	35.89	120.99	-163.62	684.11	3,661.88	3,256.41	3,153.75	102.66	31.719		
7,400.00	7,005.41	7,524.62	7,015.14	36.39	121.00	-155.08	684.22	3,661.71	3,304.91	3,202.12	102.79	32.153		
7,450.00	7,012.10	7,530.95	7,021.47	36.93	121.01	-139.07	684.30	3,661.61	3,354.10	3,251.19	102.91	32.591		
7,500.00	7,014.93	7,534.00	7,024.52	37.50	121.01	-108.19	684.34	3,661.55	3,403.69	3,300.64	103.05	33.030		
7,517.56	7,015.00	7,534.30	7,024.82	37.70	121.01	-94.11	684.35	3,661.55	3,421.14	3,318.04	103.10	33.184		
7,600.00	7,014.21	7,534.74	7,025.26	38.74	121.01	-94.17	684.35	3,661.54	3,503.09	3,399.77	103.32	33.906		
7,700.00	7,013.24	7,535.28	7,025.80	40.15	121.01	-94.26	684.36	3,661.53	3,602.53	3,498.95	103.58	34.781		
7,800.00	7,012.28	7,535.81	7,026.32	41.71	121.01	-94.34	684.37	3,661.52	3,701.99	3,598.17	103.83	35.655		
7,900.00	7,011.31	7,536.33	7,026.85	43.40	121.01	-94.42	684.37	3,661.52	3,801.49	3,697.42	104.06	36.530		
8,000.00	7,010.35	7,536.85	7,027.37	45.21	121.01	-94.49	684.38	3,661.51	3,901.00	3,796.71	104.29	37.404		
8,100.00	7,009.38	7,537.36	7,027.88	47.12	121.02	-94.57	684.38	3,661.50	4,000.55	3,896.04	104.51	38.278		
8,200.00	7,008.42	7,537.87	7,028.39	49.12	121.02	-94.65	684.39	3,661.49	4,100.11	3,995.39	104.72	39.152		
8,300.00	7,007.45	7,538.38	7,028.89	51.21	121.02	-94.73	684.40	3,661.48	4,199.70	4,094.77	104.93	40.025		
8,400.00	7,006.49	7,538.88	7,029.39	53.36	121.02	-94.80	684.40	3,661.47	4,299.30	4,194.18	105.12	40.898		
8,500.00	7,005.52	7,539.37	7,029.89	55.57	121.02	-94.88	684.41	3,661.47	4,398.93	4,293.61	105.31	41.770		
8,600.00	7,004.56	7,539.86	7,030.38	57.84	121.02	-94.95	684.42	3,661.46	4,498.56	4,393.07	105.50	42.642		
8,700.00	7,003.59	7,540.35	7,030.86	60.16	121.02	-95.02	684.42	3,661.45	4,598.22	4,492.55	105.67	43.513		
8,800.00	7,002.63	7,540.83	7,031.35	62.52	121.02	-95.10	684.43	3,661.44	4,697.89	4,592.04	105.85	44.384		
8,900.00	7,001.66	7,541.31	7,031.82	64.92	121.02	-95.17	684.43	3,661.43	4,797.57	4,691.56	106.01	45.254		
9,000.00	7,000.70	7,541.78	7,032.29	67.35	121.02	-95.24	684.44	3,661.43	4,897.27	4,791.09	106.18	46.124		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Northridge #11-4D - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
9,100.00	6,999.73	7,542.25	7,032.76	69.81	121.02	-95.31	684.45	3,661.42	4,996.98	4,890.64	106.33	46.993				
9,200.00	6,998.77	7,542.71	7,033.23	72.31	121.02	-95.38	684.45	3,661.41	5,096.70	4,990.21	106.49	47.861				
9,300.00	6,997.80	7,543.17	7,033.69	74.82	121.02	-95.45	684.46	3,661.40	5,196.43	5,089.79	106.64	48.729				
9,400.00	6,996.84	7,543.63	7,034.14	77.36	121.02	-95.52	684.46	3,661.40	5,296.17	5,189.38	106.79	49.596				
9,500.00	6,995.88	7,544.08	7,034.59	79.92	121.02	-95.59	684.47	3,661.39	5,395.92	5,288.99	106.93	50.462				
9,600.00	6,994.91	7,544.53	7,035.04	82.49	121.02	-95.66	684.48	3,661.38	5,495.68	5,388.61	107.07	51.328				
9,700.00	6,993.95	7,544.97	7,035.48	85.09	121.02	-95.72	684.48	3,661.37	5,595.44	5,488.24	107.21	52.192				
9,800.00	6,992.98	7,545.41	7,035.92	87.70	121.02	-95.79	684.49	3,661.37	5,695.22	5,587.88	107.34	53.056				
9,900.00	6,992.02	7,545.84	7,036.36	90.32	121.02	-95.85	684.49	3,661.36	5,795.00	5,687.53	107.48	53.919				
10,000.00	6,991.05	7,546.28	7,036.79	92.95	121.03	-95.92	684.50	3,661.35	5,894.79	5,787.19	107.61	54.781				
10,100.00	6,990.09	7,546.70	7,037.22	95.60	121.03	-95.98	684.50	3,661.35	5,994.59	5,886.86	107.73	55.643				
10,200.00	6,989.12	7,547.13	7,037.64	98.26	121.03	-96.05	684.51	3,661.34	6,094.40	5,986.54	107.86	56.503				
10,300.00	6,988.16	7,547.55	7,038.06	100.92	121.03	-96.11	684.51	3,661.33	6,194.21	6,086.22	107.98	57.363				
10,400.00	6,987.19	7,547.97	7,038.48	103.60	121.03	-96.18	684.52	3,661.33	6,294.02	6,185.92	108.11	58.221				
10,500.00	6,986.23	7,548.38	7,038.89	106.28	121.03	-96.24	684.53	3,661.32	6,393.84	6,285.62	108.23	59.079				
10,600.00	6,985.26	7,548.79	7,039.30	108.98	121.03	-96.30	684.53	3,661.31	6,493.67	6,385.33	108.35	59.935				
10,700.00	6,984.30	7,549.20	7,039.71	111.68	121.03	-96.36	684.54	3,661.31	6,593.50	6,485.04	108.46	60.791				
10,800.00	6,983.33	7,549.60	7,040.11	114.38	121.03	-96.42	684.54	3,661.30	6,693.34	6,584.76	108.58	61.645				
10,900.00	6,982.37	7,550.00	7,040.51	117.09	121.03	-96.48	684.55	3,661.29	6,793.18	6,684.49	108.69	62.498				
11,000.00	6,981.40	7,550.40	7,040.91	119.81	121.03	-96.54	684.55	3,661.29	6,893.03	6,784.22	108.81	63.351				
11,100.00	6,980.44	7,550.79	7,041.30	122.54	121.03	-96.60	684.56	3,661.28	6,992.88	6,883.96	108.92	64.202				
11,200.00	6,979.47	7,551.18	7,041.69	125.26	121.03	-96.66	684.56	3,661.28	7,092.74	6,983.71	109.03	65.052				
11,300.00	6,978.51	7,551.57	7,042.08	128.00	121.03	-96.72	684.57	3,661.27	7,192.60	7,083.46	109.14	65.901				
11,400.00	6,977.54	7,551.95	7,042.46	130.73	121.03	-96.78	684.57	3,661.26	7,292.46	7,183.21	109.25	66.749				
11,500.00	6,976.58	7,552.33	7,042.84	133.48	121.03	-96.83	684.58	3,661.26	7,392.33	7,282.97	109.36	67.595				
11,600.00	6,975.62	7,552.71	7,043.22	136.22	121.03	-96.89	684.58	3,661.25	7,492.20	7,382.73	109.47	68.441				
11,700.00	6,974.65	7,553.08	7,043.59	138.97	121.03	-96.95	684.59	3,661.25	7,592.07	7,482.50	109.58	69.285				
11,800.00	6,973.69	7,553.45	7,043.96	141.73	121.03	-97.00	684.59	3,661.24	7,691.95	7,582.27	109.68	70.128				
11,900.00	6,972.72	7,553.82	7,044.33	144.48	121.03	-97.06	684.60	3,661.23	7,791.83	7,682.04	109.79	70.970				
12,000.00	6,971.76	7,554.18	7,044.70	147.24	121.03	-97.11	684.60	3,661.23	7,891.71	7,781.82	109.90	71.810				
12,100.00	6,970.79	7,554.55	7,045.06	150.00	121.03	-97.17	684.60	3,661.22	7,991.60	7,881.60	110.00	72.649				
12,200.00	6,969.83	7,554.90	7,045.42	152.77	121.03	-97.22	684.61	3,661.22	8,091.49	7,981.38	110.11	73.487				
12,300.00	6,968.86	7,555.26	7,045.77	155.54	121.04	-97.27	684.61	3,661.21	8,191.38	8,081.17	110.21	74.323				
12,400.00	6,967.90	7,555.61	7,046.13	158.31	121.04	-97.33	684.62	3,661.21	8,291.27	8,180.96	110.32	75.159				
12,500.00	6,966.93	7,555.97	7,046.48	161.08	121.04	-97.38	684.62	3,661.20	8,391.17	8,280.75	110.42	75.992				
12,600.00	6,965.97	7,556.31	7,046.83	163.85	121.04	-97.43	684.63	3,661.20	8,491.07	8,380.55	110.53	76.825				
12,700.00	6,965.00	7,556.66	7,047.17	166.63	121.04	-97.48	684.63	3,661.19	8,590.97	8,480.34	110.63	77.656				
12,800.00	6,964.04	7,557.00	7,047.51	169.41	121.04	-97.53	684.64	3,661.18	8,690.88	8,580.14	110.73	78.485				
12,900.00	6,963.07	7,557.34	7,047.85	172.19	121.04	-97.59	684.64	3,661.18	8,790.78	8,679.95	110.84	79.313				
13,000.00	6,962.11	7,557.68	7,048.19	174.97	121.04	-97.64	684.65	3,661.17	8,890.69	8,779.75	110.94	80.140				
13,100.00	6,961.14	7,558.01	7,048.53	177.76	121.04	-97.69	684.65	3,661.17	8,990.60	8,879.56	111.04	80.965				
13,200.00	6,960.18	7,558.34	7,048.86	180.54	121.04	-97.74	684.65	3,661.16	9,090.51	8,979.37	111.15	81.789				
13,300.00	6,959.21	7,558.67	7,049.19	183.33	121.04	-97.79	684.66	3,661.16	9,190.43	9,079.18	111.25	82.612				
13,400.00	6,958.25	7,559.00	7,049.51	186.12	121.04	-97.83	684.66	3,661.15	9,290.34	9,178.99	111.35	83.432				
13,500.00	6,957.28	7,559.33	7,049.84	188.91	121.04	-97.88	684.67	3,661.15	9,390.26	9,278.80	111.45	84.252				
13,600.00	6,956.32	7,559.65	7,050.16	191.70	121.04	-97.93	684.67	3,661.14	9,490.18	9,378.62	111.56	85.069				
13,700.00	6,955.35	7,559.97	7,050.48	194.49	121.04	-97.98	684.67	3,661.14	9,590.10	9,478.44	111.66	85.886				
13,800.00	6,954.39	7,560.29	7,050.80	197.29	121.04	-98.03	684.68	3,661.13	9,690.02	9,578.26	111.76	86.700				
13,900.00	6,953.43	7,560.60	7,051.11	200.08	121.04	-98.07	684.68	3,661.13	9,789.95	9,678.08	111.87	87.514				
14,000.00	6,952.46	7,560.91	7,051.42	202.88	121.04	-98.12	684.69	3,661.12	9,889.87	9,777.90	111.97	88.325				
14,100.00	6,951.50	7,561.22	7,051.73	205.68	121.04	-98.17	684.69	3,661.12	9,989.80	9,877.72	112.07	89.135				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.31	-716.67	5,585.73	5,631.74					
100.00	100.00	1,414.40	1,397.51	3.28	9.52	97.02	-666.37	5,414.57	5,619.37	5,608.79	10.59	530.825		
200.00	200.00	1,931.01	1,894.54	3.34	14.92	97.20	-666.73	5,274.49	5,595.37	5,582.41	12.96	431.592		
300.00	300.00	2,245.19	2,190.35	3.44	19.73	97.41	-672.55	5,168.94	5,561.95	5,547.33	14.62	380.551		
400.00	399.98	2,300.00	2,241.76	3.60	20.66	51.03	-672.13	5,149.96	5,526.40	5,511.42	14.98	368.933		
500.00	499.84	2,343.08	2,282.31	3.81	21.32	51.69	-671.31	5,135.42	5,489.55	5,474.23	15.32	358.256		
600.00	599.45	2,951.57	2,846.35	4.05	33.22	53.10	-653.27	4,909.81	5,450.71	5,432.15	18.56	293.627		
700.00	698.70	700.00	2,928.99	4.33	23.76	54.16	-650.60	4,871.70	5,402.16	5,392.63	9.53	566.856		
800.00	797.47	3,137.51	3,014.89	4.64	37.90	55.31	-647.07	4,831.51	5,351.27	5,331.32	19.95	268.284		
902.00	897.58	3,171.18	3,045.45	4.98	38.74	56.42	-645.81	4,817.43	5,298.18	5,277.80	20.38	259.930		
1,000.00	993.42	3,200.00	3,071.71	5.33	39.46	56.50	-644.80	4,805.61	5,247.19	5,226.38	20.81	252.125		
1,100.00	1,091.22	3,235.62	3,104.31	5.71	40.24	56.59	-643.53	4,791.32	5,196.02	5,174.72	21.30	243.935		
1,200.00	1,189.02	3,268.25	3,134.32	6.11	40.95	56.68	-642.26	4,778.57	5,145.75	5,123.95	21.80	236.001		
1,300.00	1,286.82	3,300.00	3,163.64	6.53	41.64	56.77	-640.94	4,766.46	5,096.41	5,074.08	22.33	228.245		
1,400.00	1,384.62	3,345.83	3,206.11	6.95	42.53	56.89	-639.49	4,749.30	5,047.90	5,024.95	22.95	219.962		
1,500.00	1,482.42	3,400.00	3,256.45	7.38	43.58	57.06	-639.10	4,729.31	5,000.20	4,976.56	23.63	211.573		
1,600.00	1,580.22	3,400.00	3,256.45	7.83	43.58	57.06	-639.10	4,729.31	4,953.47	4,929.40	24.07	205.755		
1,700.00	1,678.03	3,443.16	3,296.77	8.27	44.30	57.21	-639.44	4,713.93	4,907.68	4,882.93	24.75	198.272		
1,800.00	1,775.83	3,500.00	3,350.37	8.72	45.24	57.40	-640.13	4,695.03	4,863.57	4,838.05	25.52	190.601		
1,900.00	1,873.63	3,500.00	3,350.37	9.18	45.24	57.40	-640.13	4,695.03	4,819.95	4,793.94	26.01	185.316		
2,000.00	1,971.43	3,500.00	3,350.37	9.64	45.24	57.40	-640.13	4,695.03	4,778.03	4,751.51	26.51	180.210		
2,100.00	2,069.23	3,538.91	3,387.41	10.11	45.70	57.52	-640.28	4,683.13	4,737.23	4,710.02	27.20	174.146		
2,200.00	2,167.03	3,562.03	3,409.58	10.57	45.97	57.59	-639.99	4,676.55	4,697.87	4,670.04	27.83	168.803		
2,300.00	2,264.83	3,600.00	3,446.19	11.04	46.42	57.69	-638.90	4,666.55	4,659.97	4,631.44	28.53	163.325		
2,400.00	2,362.63	4,200.00	4,015.19	11.52	54.98	59.52	-622.90	4,479.57	4,620.92	4,589.32	31.60	146.230		
2,500.00	2,460.43	4,233.89	4,046.67	11.99	55.59	59.64	-622.61	4,467.03	4,574.19	4,541.85	32.35	141.402		
2,600.00	2,558.23	4,263.49	4,074.32	12.47	56.12	59.75	-622.34	4,456.46	4,528.64	4,495.55	33.09	136.854		
2,700.00	2,656.03	4,300.00	4,108.60	12.94	56.77	59.88	-621.98	4,443.91	4,484.30	4,450.42	33.88	132.368		
2,800.00	2,753.83	4,441.05	4,240.99	13.42	59.16	60.41	-621.34	4,395.26	4,440.31	4,405.14	35.16	126.273		
2,900.00	2,851.63	4,610.22	4,398.52	13.90	62.31	61.10	-622.06	4,333.60	4,394.67	4,358.01	36.66	119.873		
3,000.00	2,949.43	4,803.85	4,577.09	14.38	66.38	61.93	-622.54	4,258.74	4,346.96	4,308.61	38.35	113.357		
3,100.00	3,047.23	4,855.85	4,624.96	14.87	67.48	62.16	-622.24	4,238.42	4,299.12	4,259.79	39.32	109.327		
3,200.00	3,145.03	4,918.32	4,682.65	15.35	68.80	62.43	-621.64	4,214.48	4,251.99	4,211.62	40.37	105.334		
3,300.00	3,242.83	5,015.20	4,772.16	15.83	70.81	62.85	-620.46	4,177.44	4,205.07	4,163.48	41.59	101.115		
3,400.00	3,340.63	5,191.15	4,933.86	16.32	74.68	63.67	-619.90	4,108.09	4,157.67	4,114.39	43.28	96.067		
3,500.00	3,438.43	5,263.05	4,999.56	16.80	76.35	64.02	-619.59	4,078.88	4,109.12	4,064.63	44.49	92.360		
3,600.00	3,536.23	5,300.00	5,033.36	17.29	77.21	64.20	-619.60	4,063.95	4,061.25	4,015.71	45.54	89.175		
3,700.00	3,634.03	5,300.00	5,033.36	17.78	77.21	64.20	-619.60	4,063.95	4,015.08	3,968.68	46.40	86.525		
3,800.00	3,731.83	5,353.19	5,082.43	18.26	78.25	64.47	-619.83	4,043.44	3,969.54	3,921.97	47.56	83.457		
3,900.00	3,829.63	5,400.00	5,126.23	18.75	79.16	64.70	-620.23	4,026.93	3,926.28	3,877.57	48.71	80.606		
4,000.00	3,927.43	5,400.00	5,126.23	19.24	79.16	64.70	-620.23	4,026.93	3,884.04	3,834.43	49.61	78.298		
4,100.00	4,025.23	5,433.55	5,157.88	19.73	79.64	64.87	-620.59	4,015.83	3,843.58	3,792.91	50.67	75.851		
4,200.00	4,123.03	5,469.54	5,192.01	20.22	80.16	65.05	-620.95	4,004.39	3,804.50	3,752.74	51.76	73.498		
4,300.00	4,220.83	5,500.00	5,221.01	20.71	80.60	65.19	-621.25	3,995.09	3,766.84	3,714.00	52.84	71.293		
4,400.00	4,318.63	5,563.44	5,281.64	21.20	81.36	65.50	-621.86	3,976.43	3,730.29	3,676.23	54.06	69.003		
4,500.00	4,416.43	5,632.79	5,348.11	21.69	82.19	65.84	-622.58	3,956.69	3,694.73	3,639.40	55.33	66.773		
4,600.00	4,514.23	5,733.91	5,444.92	22.18	83.38	66.37	-624.65	3,927.54	3,659.39	3,602.59	56.81	64.419		
4,700.00	4,612.03	5,822.48	5,529.64	22.67	84.44	66.83	-626.30	3,901.74	3,623.96	3,565.72	58.24	62.220		
4,800.00	4,709.83	5,879.72	5,584.50	23.16	85.10	67.13	-627.26	3,885.46	3,589.32	3,529.79	59.53	60.295		
4,900.00	4,807.63	5,930.27	5,633.10	23.65	85.64	67.40	-628.08	3,871.57	3,555.76	3,494.99	60.78	58.506		
5,000.00	4,905.43	5,977.52	5,678.70	24.14	86.11	67.64	-628.74	3,859.22	3,523.51	3,461.50	62.01	56.826		
5,100.00	5,003.23	6,000.00	5,700.46	24.63	86.34	67.76	-629.01	3,853.57	3,492.76	3,429.65	63.12	55.337		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	6,059.67	5,758.44	25.12	86.80	68.06	-629.58	3,839.51	3,463.30	3,398.93	64.37	53.807		
5,300.00	5,198.83	6,100.00	5,797.83	25.62	87.11	68.26	-629.84	3,830.86	3,435.58	3,370.05	65.53	52.427		
5,400.00	5,296.63	6,100.00	5,797.83	26.11	87.11	68.26	-629.84	3,830.86	3,410.02	3,343.51	66.51	51.272		
5,500.00	5,394.43	6,157.41	5,854.24	26.60	87.40	68.53	-630.16	3,820.19	3,385.66	3,317.98	67.68	50.025		
5,600.00	5,492.23	6,200.00	5,896.34	27.09	87.62	68.72	-630.40	3,813.75	3,363.74	3,294.95	68.78	48.903		
5,700.00	5,590.03	6,200.00	5,896.34	27.58	87.62	68.72	-630.40	3,813.75	3,343.80	3,274.09	69.70	47.971		
5,800.00	5,687.83	6,261.64	5,957.52	28.08	87.79	68.99	-630.66	3,806.26	3,325.38	3,254.57	70.81	46.965		
5,900.00	5,785.63	6,300.00	5,995.69	28.57	87.90	69.15	-630.72	3,802.52	3,308.90	3,237.09	71.81	46.077		
6,000.00	5,883.43	6,354.85	6,050.37	29.06	88.01	69.37	-630.72	3,798.11	3,294.02	3,221.18	72.84	45.225		
6,100.00	5,981.23	6,400.00	6,095.42	29.56	88.10	69.54	-630.70	3,795.12	3,280.57	3,206.76	73.82	44.443		
6,200.00	6,079.04	6,466.32	6,161.65	30.05	88.20	69.80	-630.56	3,791.70	3,268.44	3,193.60	74.84	43.674		
6,300.00	6,176.84	6,537.22	6,232.50	30.54	88.31	70.06	-630.19	3,789.12	3,257.54	3,181.69	75.86	42.944		
6,409.71	6,284.13	6,626.54	6,321.77	31.08	88.43	70.37	-629.21	3,786.55	3,246.24	3,169.25	76.99	42.164		
6,450.00	6,323.71	6,654.12	6,349.35	31.28	88.47	84.49	-628.84	3,785.95	3,243.45	3,166.07	77.37	41.921		
6,477.19	6,350.57	6,672.88	6,368.10	31.40	88.50	98.16	-628.60	3,785.61	3,242.90	3,165.30	77.61	41.786 CC, ES		
6,500.00	6,373.15	6,688.66	6,383.88	31.50	88.52	112.08	-628.38	3,785.37	3,243.28	3,165.49	77.80	41.690		
6,550.00	6,422.65	6,725.65	6,420.86	31.70	88.57	143.38	-627.90	3,784.93	3,246.77	3,168.60	78.17	41.534		
6,600.00	6,471.92	6,763.60	6,458.80	31.89	88.62	165.18	-627.44	3,784.61	3,253.83	3,175.33	78.49	41.453		
6,650.00	6,520.65	6,801.20	6,496.41	32.07	88.67	177.95	-627.03	3,784.41	3,264.40	3,185.63	78.77	41.443 SF		
6,700.00	6,568.54	6,841.22	6,536.42	32.25	88.72	-174.11	-626.71	3,784.27	3,278.40	3,199.39	79.00	41.497		
6,750.00	6,615.30	6,880.25	6,575.45	32.43	88.78	-168.64	-626.59	3,784.15	3,295.69	3,216.50	79.20	41.614		
6,800.00	6,660.63	6,931.65	6,626.85	32.61	88.85	-164.49	-626.63	3,783.95	3,316.14	3,236.74	79.40	41.767		
6,850.00	6,704.26	6,995.78	6,690.98	32.80	88.93	-161.09	-626.71	3,783.34	3,339.33	3,259.72	79.61	41.947		
6,900.00	6,745.92	7,039.64	6,734.84	33.00	88.99	-158.01	-626.75	3,782.76	3,365.22	3,285.50	79.71	42.216		
6,950.00	6,785.34	7,079.98	6,775.18	33.21	89.05	-155.06	-626.77	3,782.22	3,393.80	3,314.02	79.77	42.542		
7,000.00	6,822.30	7,113.91	6,809.10	33.44	89.10	-152.05	-626.78	3,781.78	3,424.92	3,345.14	79.78	42.928		
7,050.00	6,856.55	7,141.22	6,836.41	33.69	89.14	-148.83	-626.82	3,781.46	3,458.48	3,378.74	79.74	43.372		
7,100.00	6,887.90	7,166.17	6,861.35	33.97	89.17	-145.28	-626.89	3,781.22	3,494.27	3,414.60	79.67	43.861		
7,150.00	6,916.14	7,188.60	6,883.78	34.28	89.20	-141.28	-626.99	3,781.02	3,532.07	3,452.51	79.56	44.393		
7,200.00	6,941.10	7,209.90	6,905.09	34.62	89.23	-136.72	-627.10	3,780.87	3,571.66	3,492.21	79.44	44.958		
7,250.00	6,962.63	7,230.06	6,925.24	35.00	89.26	-131.45	-627.20	3,780.74	3,612.77	3,533.46	79.31	45.553		
7,300.00	6,980.59	7,246.89	6,942.07	35.43	89.29	-125.33	-627.29	3,780.64	3,655.15	3,575.99	79.16	46.177		
7,350.00	6,994.88	7,260.30	6,955.48	35.89	89.30	-118.26	-627.36	3,780.56	3,698.56	3,619.57	78.98	46.826		
7,400.00	7,005.41	7,270.23	6,965.41	36.39	89.32	-110.27	-627.41	3,780.51	3,742.73	3,663.93	78.80	47.496		
7,450.00	7,012.10	7,276.62	6,971.80	36.93	89.33	-101.53	-627.44	3,780.48	3,787.41	3,708.80	78.61	48.182		
7,500.00	7,014.93	7,279.45	6,974.63	37.50	89.33	-92.41	-627.45	3,780.46	3,832.32	3,753.92	78.40	48.880		
7,517.56	7,015.00	7,279.59	6,974.78	37.70	89.33	-89.20	-627.45	3,780.46	3,848.09	3,769.76	78.33	49.127		
7,600.00	7,014.21	7,279.25	6,974.44	38.74	89.33	-89.19	-627.45	3,780.46	3,922.30	3,844.29	78.01	50.280		
7,700.00	7,013.24	7,278.84	6,974.02	40.15	89.33	-89.18	-627.45	3,780.46	4,012.75	3,935.08	77.67	51.663		
7,800.00	7,012.28	7,278.43	6,973.62	41.71	89.33	-89.16	-627.45	3,780.47	4,103.64	4,026.26	77.38	53.031		
7,900.00	7,011.31	7,278.03	6,973.21	43.40	89.33	-89.15	-627.45	3,780.47	4,194.94	4,117.80	77.14	54.383		
8,000.00	7,010.35	7,277.62	6,972.80	45.21	89.33	-89.14	-627.44	3,780.47	4,286.63	4,209.70	76.93	55.721		
8,100.00	7,009.38	7,277.22	6,972.40	47.12	89.33	-89.12	-627.44	3,780.47	4,378.69	4,301.93	76.76	57.044		
8,200.00	7,008.42	7,276.82	6,972.00	49.12	89.33	-89.11	-627.44	3,780.47	4,471.08	4,394.47	76.62	58.354		
8,300.00	7,007.45	7,276.42	6,971.60	51.21	89.33	-89.09	-627.44	3,780.48	4,563.80	4,487.29	76.51	59.652		
8,400.00	7,006.49	7,276.02	6,971.20	53.36	89.33	-89.08	-627.44	3,780.48	4,656.82	4,580.40	76.42	60.938		
8,500.00	7,005.52	7,275.63	6,970.81	55.57	89.33	-89.07	-627.43	3,780.48	4,750.12	4,673.77	76.35	62.212		
8,600.00	7,004.56	7,275.23	6,970.42	57.84	89.33	-89.05	-627.43	3,780.48	4,843.69	4,767.38	76.31	63.475		
8,700.00	7,003.59	7,274.84	6,970.03	60.16	89.33	-89.04	-627.43	3,780.48	4,937.51	4,861.23	76.28	64.728		
8,800.00	7,002.63	7,274.45	6,969.64	62.52	89.32	-89.03	-627.43	3,780.49	5,031.57	4,955.30	76.27	65.972		
8,900.00	7,001.66	7,274.07	6,969.25	64.92	89.32	-89.01	-627.43	3,780.49	5,125.86	5,049.59	76.27	67.206		
9,000.00	7,000.70	7,273.68	6,968.86	67.35	89.32	-89.00	-627.42	3,780.49	5,220.35	5,144.07	76.29	68.432		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,273.30	6,968.48	69.81	89.32	-88.99	-627.42	3,780.49	5,315.05	5,238.74	76.31	69.649		
9,200.00	6,998.77	7,272.92	6,968.10	72.31	89.32	-88.98	-627.42	3,780.49	5,409.94	5,333.59	76.35	70.859		
9,300.00	6,997.80	7,272.54	6,967.72	74.82	89.32	-88.96	-627.42	3,780.50	5,505.01	5,428.62	76.39	72.061		
9,400.00	6,996.84	7,272.16	6,967.34	77.36	89.32	-88.95	-627.42	3,780.50	5,600.25	5,523.80	76.45	73.256		
9,500.00	6,995.88	7,271.78	6,966.97	79.92	89.32	-88.94	-627.41	3,780.50	5,695.66	5,619.15	76.51	74.444		
9,600.00	6,994.91	7,271.41	6,966.59	82.49	89.32	-88.93	-627.41	3,780.50	5,791.22	5,714.64	76.58	75.626		
9,700.00	6,993.95	7,271.04	6,966.22	85.09	89.32	-88.91	-627.41	3,780.50	5,886.92	5,810.27	76.65	76.802		
9,800.00	6,992.98	7,270.67	6,965.85	87.70	89.32	-88.90	-627.41	3,780.51	5,982.77	5,906.04	76.73	77.972		
9,900.00	6,992.02	7,270.30	6,965.48	90.32	89.32	-88.89	-627.41	3,780.51	6,078.75	6,001.94	76.81	79.136		
10,000.00	6,991.05	7,269.93	6,965.12	92.95	89.32	-88.88	-627.40	3,780.51	6,174.86	6,097.96	76.90	80.295		
10,100.00	6,990.09	7,269.57	6,964.75	95.60	89.32	-88.86	-627.40	3,780.51	6,271.09	6,194.10	76.99	81.448		
10,200.00	6,989.12	7,269.21	6,964.39	98.26	89.32	-88.85	-627.40	3,780.51	6,367.44	6,290.35	77.09	82.597		
10,300.00	6,988.16	7,268.85	6,964.03	100.92	89.32	-88.84	-627.40	3,780.52	6,463.90	6,386.71	77.19	83.741		
10,400.00	6,987.19	7,268.49	6,963.67	103.60	89.32	-88.83	-627.40	3,780.52	6,560.46	6,483.17	77.29	84.881		
10,500.00	6,986.23	7,268.13	6,963.31	106.28	89.32	-88.81	-627.40	3,780.52	6,657.13	6,579.73	77.39	86.016		
10,600.00	6,985.26	7,267.77	6,962.96	108.98	89.32	-88.80	-627.39	3,780.52	6,753.89	6,676.39	77.50	87.147		
10,700.00	6,984.30	7,267.42	6,962.60	111.68	89.31	-88.79	-627.39	3,780.52	6,850.74	6,773.14	77.61	88.274		
10,800.00	6,983.33	7,267.06	6,962.25	114.38	89.31	-88.78	-627.39	3,780.52	6,947.69	6,869.97	77.72	89.396		
10,900.00	6,982.37	7,266.71	6,961.90	117.09	89.31	-88.77	-627.39	3,780.53	7,044.72	6,966.89	77.83	90.515		
11,000.00	6,981.40	7,266.36	6,961.55	119.81	89.31	-88.75	-627.39	3,780.53	7,141.83	7,063.89	77.94	91.630		
11,100.00	6,980.44	7,266.02	6,961.20	122.54	89.31	-88.74	-627.39	3,780.53	7,239.02	7,160.96	78.06	92.742		
11,200.00	6,979.47	7,265.67	6,960.85	125.26	89.31	-88.73	-627.38	3,780.53	7,336.29	7,258.12	78.17	93.850		
11,300.00	6,978.51	7,265.33	6,960.51	128.00	89.31	-88.72	-627.38	3,780.53	7,433.62	7,355.34	78.29	94.955		
11,400.00	6,977.54	7,264.98	6,960.17	130.73	89.31	-88.71	-627.38	3,780.54	7,531.03	7,452.63	78.40	96.056		
11,500.00	6,976.58	7,264.64	6,959.83	133.48	89.31	-88.70	-627.38	3,780.54	7,628.51	7,549.99	78.52	97.154		
11,600.00	6,975.62	7,264.30	6,959.49	136.22	89.31	-88.68	-627.38	3,780.54	7,726.05	7,647.41	78.64	98.249		
11,700.00	6,974.65	7,263.96	6,959.15	138.97	89.31	-88.67	-627.38	3,780.54	7,823.65	7,744.89	78.76	99.340		
11,800.00	6,973.69	7,263.63	6,958.81	141.73	89.31	-88.66	-627.37	3,780.54	7,921.31	7,842.44	78.87	100.429		
11,900.00	6,972.72	7,263.29	6,958.48	144.48	89.31	-88.65	-627.37	3,780.54	8,019.03	7,940.04	78.99	101.514		
12,000.00	6,971.76	7,262.96	6,958.14	147.24	89.31	-88.64	-627.37	3,780.55	8,116.80	8,037.69	79.11	102.597		
12,100.00	6,970.79	7,262.63	6,957.81	150.00	89.31	-88.63	-627.37	3,780.55	8,214.63	8,135.40	79.23	103.677		
12,200.00	6,969.83	7,262.30	6,957.48	152.77	89.31	-88.62	-627.37	3,780.55	8,312.51	8,233.16	79.35	104.754		
12,300.00	6,968.86	7,261.97	6,957.15	155.54	89.31	-88.61	-627.36	3,780.55	8,410.44	8,330.97	79.47	105.828		
12,400.00	6,967.90	7,261.64	6,956.83	158.31	89.31	-88.59	-627.36	3,780.55	8,508.42	8,428.83	79.59	106.899		
12,500.00	6,966.93	7,261.32	6,956.50	161.08	89.31	-88.58	-627.36	3,780.56	8,606.44	8,526.73	79.71	107.968		
12,600.00	6,965.97	7,260.99	6,956.18	163.85	89.31	-88.57	-627.36	3,780.56	8,704.51	8,624.68	79.83	109.034		
12,700.00	6,965.00	7,260.67	6,955.85	166.63	89.30	-88.56	-627.36	3,780.56	8,802.63	8,722.67	79.95	110.097		
12,800.00	6,964.04	7,260.35	6,955.53	169.41	89.30	-88.55	-627.36	3,780.56	8,900.78	8,820.71	80.07	111.158		
12,900.00	6,963.07	7,260.03	6,955.21	172.19	89.30	-88.54	-627.36	3,780.56	8,998.98	8,918.78	80.19	112.216		
13,000.00	6,962.11	7,259.71	6,954.89	174.97	89.30	-88.53	-627.35	3,780.56	9,097.21	9,016.90	80.31	113.271		
13,100.00	6,961.14	7,259.39	6,954.58	177.76	89.30	-88.52	-627.35	3,780.57	9,195.48	9,115.05	80.43	114.324		
13,200.00	6,960.18	7,259.08	6,954.26	180.54	89.30	-88.51	-627.35	3,780.57	9,293.79	9,213.24	80.55	115.375		
13,300.00	6,959.21	7,258.76	6,953.95	183.33	89.30	-88.50	-627.35	3,780.57	9,392.14	9,311.47	80.67	116.423		
13,400.00	6,958.25	7,258.45	6,953.63	186.12	89.30	-88.49	-627.35	3,780.57	9,490.52	9,409.73	80.79	117.469		
13,500.00	6,957.28	7,258.14	6,953.32	188.91	89.30	-88.48	-627.35	3,780.57	9,588.93	9,508.02	80.91	118.512		
13,600.00	6,956.32	7,257.83	6,953.01	191.70	89.30	-88.47	-627.34	3,780.57	9,687.38	9,606.35	81.03	119.552		
13,700.00	6,955.35	7,257.52	6,952.70	194.49	89.30	-88.45	-627.34	3,780.58	9,785.86	9,704.71	81.15	120.591		
13,800.00	6,954.39	7,257.21	6,952.40	197.29	89.30	-88.44	-627.34	3,780.58	9,884.36	9,803.09	81.27	121.626		
13,900.00	6,953.43	7,256.91	6,952.09	200.08	89.30	-88.43	-627.34	3,780.58	9,982.90	9,901.51	81.39	122.660		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	96.98	-685.34	5,597.70	5,639.72					
100.00	100.00	40.28	40.28	3.28	3.28	96.98	-685.22	5,597.75	5,639.54	5,632.97	6.57	858.906		
200.00	200.00	606.82	604.61	3.34	4.48	96.61	-646.52	5,582.70	5,638.37	5,630.59	7.77	725.431		
300.00	300.00	720.84	717.08	3.44	5.04	96.44	-629.19	5,575.38	5,630.18	5,621.80	8.38	671.779		
400.00	399.98	1,303.34	1,279.22	3.60	9.42	48.38	-492.29	5,517.19	5,615.36	5,602.83	12.53	448.063		
500.00	499.84	1,420.19	1,389.15	3.81	10.58	48.37	-455.84	5,501.69	5,595.26	5,581.49	13.77	406.479		
600.00	599.45	1,520.43	1,483.62	4.05	11.54	48.47	-425.24	5,488.00	5,572.70	5,557.85	14.85	375.178		
700.00	698.70	1,595.29	1,554.39	4.33	12.23	48.70	-403.02	5,477.83	5,548.16	5,532.43	15.73	352.658		
800.00	797.47	1,683.50	1,638.01	4.64	13.00	48.96	-377.57	5,465.99	5,521.68	5,504.97	16.72	330.304		
902.00	897.58	1,750.22	1,701.41	4.98	13.56	49.32	-358.78	5,457.15	5,492.73	5,475.19	17.54	313.105		
1,000.00	993.42	1,800.00	1,748.84	5.33	13.97	49.26	-345.06	5,450.82	5,464.43	5,446.19	18.24	299.532		
1,100.00	1,091.22	1,873.20	1,818.74	5.71	14.54	49.18	-325.26	5,441.90	5,436.12	5,417.01	19.11	284.429		
1,200.00	1,189.02	1,967.05	1,908.57	6.11	15.24	49.08	-300.43	5,430.85	5,408.25	5,388.12	20.13	268.705		
1,300.00	1,286.82	2,078.51	2,015.40	6.53	16.06	48.97	-271.60	5,417.36	5,380.14	5,358.88	21.26	253.063		
1,400.00	1,384.62	2,140.00	2,128.48	6.95	11.02	48.84	-240.86	5,402.51	5,351.55	5,334.48	17.07	313.477		
1,500.00	1,482.42	2,261.88	2,190.93	7.38	17.42	48.77	-223.85	5,394.33	5,323.09	5,299.78	23.31	228.398		
1,600.00	1,580.22	2,321.02	2,247.66	7.83	17.85	48.71	-208.64	5,387.40	5,295.40	5,271.28	24.12	219.518		
1,700.00	1,678.03	2,395.96	2,319.55	8.27	18.38	48.63	-189.24	5,379.00	5,268.21	5,243.17	25.04	210.375		
1,800.00	1,775.83	2,555.25	2,471.85	8.72	19.55	48.44	-146.34	5,360.61	5,240.59	5,214.04	26.55	197.384		
1,900.00	1,873.63	2,694.02	2,603.93	9.18	20.65	48.25	-107.41	5,343.38	5,212.08	5,184.10	27.98	186.264		
2,000.00	1,971.43	2,833.72	2,735.70	9.64	21.87	48.02	-64.92	5,324.75	5,182.35	5,152.82	29.53	175.500		
2,100.00	2,069.23	2,900.00	2,798.26	10.11	22.46	47.91	-44.82	5,316.12	5,153.04	5,122.52	30.52	168.824		
2,200.00	2,167.03	2,993.28	2,886.68	10.57	23.22	47.77	-17.63	5,304.13	5,124.10	5,092.41	31.68	161.732		
2,300.00	2,264.83	3,000.00	2,991.53	11.04	17.40	47.60	14.75	5,289.42	5,094.74	5,067.98	26.75	190.434		
2,400.00	2,362.63	3,155.52	3,040.34	11.52	24.57	47.52	29.81	5,282.72	5,065.76	5,031.92	33.84	149.696		
2,500.00	2,460.43	3,204.29	3,086.91	11.99	24.95	47.45	43.03	5,276.80	5,037.73	5,003.05	34.68	145.272		
2,600.00	2,558.23	3,287.43	3,166.56	12.47	25.54	47.35	64.78	5,267.09	5,010.27	4,974.57	35.69	140.367		
2,700.00	2,656.03	3,270.00	3,275.46	12.94	21.37	47.21	94.33	5,253.59	4,982.61	4,950.37	32.24	154.567		
2,800.00	2,753.83	3,465.62	3,337.45	13.42	26.78	47.14	110.63	5,245.93	4,955.13	4,917.35	37.79	131.135		
2,900.00	2,851.63	3,577.28	3,445.20	13.90	27.51	47.03	137.04	5,233.29	4,928.30	4,889.38	38.91	126.645		
3,000.00	2,949.43	3,651.02	3,516.46	14.38	27.97	46.97	153.90	5,224.58	4,901.01	4,861.22	39.82	123.068		
3,100.00	3,047.23	3,724.13	3,587.16	14.87	28.43	46.90	170.68	5,216.55	4,874.51	4,833.78	40.73	119.666		
3,200.00	3,145.03	4,012.24	3,861.72	15.35	30.65	46.48	249.42	5,179.81	4,845.70	4,802.60	43.11	112.413		
3,300.00	3,242.83	4,095.44	3,939.69	15.83	31.43	46.31	275.97	5,168.13	4,815.70	4,771.38	44.32	108.659		
3,400.00	3,340.63	4,153.66	3,994.34	16.32	31.95	46.19	294.43	5,160.17	4,786.15	4,740.84	45.31	105.624		
3,500.00	3,438.43	4,200.00	4,038.09	16.80	32.36	46.10	308.46	5,154.13	4,757.41	4,711.19	46.22	102.935		
3,600.00	3,536.23	4,259.61	4,094.62	17.29	32.82	46.00	325.87	5,146.83	4,729.52	4,682.35	47.17	100.273		
3,700.00	3,634.03	4,328.19	4,159.92	17.78	33.36	45.88	345.40	5,139.12	4,702.55	4,654.38	48.17	97.617		
3,800.00	3,731.83	4,486.86	4,310.18	18.26	34.61	45.58	392.85	5,120.56	4,675.20	4,625.41	49.80	93.886		
3,900.00	3,829.63	4,612.13	4,428.54	18.75	35.66	45.33	430.62	5,104.56	4,646.81	4,595.57	51.24	90.695		
4,000.00	3,927.43	4,722.78	4,532.22	19.24	36.66	45.08	466.46	5,090.16	4,618.14	4,565.49	52.65	87.708		
4,100.00	4,025.23	4,859.59	4,660.74	19.73	37.91	44.78	509.30	5,071.04	4,588.58	4,534.33	54.25	84.575		
4,200.00	4,123.03	4,934.08	4,731.02	20.22	38.56	44.63	531.58	5,060.42	4,558.98	4,503.61	55.37	82.332		
4,300.00	4,220.83	5,000.00	4,793.39	20.71	39.12	44.50	550.98	5,051.55	4,530.12	4,473.70	56.42	80.290		
4,400.00	4,318.63	5,056.95	4,847.37	21.20	39.58	44.39	567.62	5,044.28	4,501.99	4,444.60	57.39	78.446		
4,500.00	4,416.43	5,123.72	4,910.75	21.69	40.10	44.26	586.99	5,036.17	4,474.53	4,416.13	58.41	76.612		
4,600.00	4,514.23	5,193.00	4,976.93	22.18	40.61	44.14	605.83	5,028.13	4,447.69	4,388.28	59.41	74.867		
4,700.00	4,612.03	5,238.08	5,020.31	22.67	40.88	44.07	617.06	5,023.24	4,421.68	4,361.47	60.21	73.433		
4,800.00	4,709.83	5,300.00	5,080.45	23.16	41.24	44.01	630.59	5,017.42	4,396.95	4,335.87	61.08	71.984		
4,900.00	4,807.63	5,326.55	5,106.41	23.65	41.36	43.99	635.72	5,015.23	4,373.21	4,311.47	61.74	70.829		
5,000.00	4,905.43	5,374.59	5,153.60	24.14	41.57	43.97	643.98	5,011.68	4,350.68	4,288.22	62.47	69.650		
5,100.00	5,003.23	5,427.66	5,206.01	24.63	41.77	43.98	651.64	5,008.35	4,329.23	4,266.06	63.17	68.529		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,500.00	5,277.74	25.12	42.01	44.00	660.15	5,004.54	4,308.73	4,244.83	63.90	67.426		
5,300.00	5,198.83	5,556.40	5,333.80	25.62	42.18	44.04	665.69	5,002.00	4,288.96	4,224.39	64.57	66.428		
5,400.00	5,296.63	5,627.82	5,404.89	26.11	42.38	44.10	671.92	4,999.14	4,269.80	4,204.55	65.25	65.434		
5,500.00	5,394.43	5,700.00	5,476.84	26.60	42.58	44.17	677.23	4,996.75	4,251.32	4,185.39	65.93	64.480		
5,600.00	5,492.23	5,761.41	5,538.11	27.09	42.74	44.24	681.07	4,995.17	4,233.57	4,166.99	66.57	63.591		
5,700.00	5,590.03	5,833.44	5,610.03	27.58	42.92	44.33	684.91	4,993.84	4,216.56	4,149.33	67.23	62.715		
5,800.00	5,687.83	5,917.20	5,693.72	28.08	43.13	44.46	688.00	4,992.64	4,200.02	4,132.11	67.91	61.847		
5,900.00	5,785.63	6,011.33	5,787.82	28.57	43.36	44.62	689.80	4,991.45	4,183.70	4,115.10	68.60	60.986		
6,000.00	5,883.43	6,106.58	5,883.06	29.06	43.60	44.80	690.78	4,990.32	4,167.51	4,098.22	69.29	60.143		
6,100.00	5,981.23	6,216.34	5,992.80	29.56	43.87	45.02	691.79	4,988.87	4,151.24	4,081.22	70.02	59.288		
6,200.00	6,079.04	6,324.28	6,100.73	30.05	44.14	45.23	692.76	4,987.16	4,134.76	4,064.01	70.74	58.446		
6,300.00	6,176.84	6,432.89	6,209.31	30.54	44.42	45.44	693.66	4,985.15	4,118.06	4,046.58	71.47	57.616		
6,409.71	6,284.13	6,539.04	6,315.44	31.08	44.69	45.65	695.10	4,982.99	4,099.58	4,027.33	72.25	56.738		
6,450.00	6,323.71	6,572.71	6,349.10	31.28	44.78	45.82	695.71	4,982.37	4,094.13	4,021.60	72.53	56.450		
6,500.00	6,373.15	6,618.17	6,394.54	31.50	44.90	46.00	696.65	4,981.60	4,090.96	4,018.10	72.86	56.145		
6,515.38	6,388.38	6,634.08	6,410.44	31.56	44.94	46.04	697.00	4,981.33	4,090.78	4,017.81	72.97	56.064	CC, ES	
6,550.00	6,422.65	6,669.90	6,446.25	31.70	45.04	46.16	697.85	4,980.73	4,091.71	4,018.51	73.20	55.898		
6,600.00	6,471.92	6,719.09	6,495.41	31.89	45.17	46.29	699.13	4,979.88	4,096.36	4,022.84	73.51	55.724		
6,650.00	6,520.65	6,764.49	6,540.79	32.07	45.29	46.42	700.33	4,979.13	4,104.91	4,031.11	73.80	55.623		
6,700.00	6,568.54	6,809.92	6,586.19	32.25	45.41	46.54	701.54	4,978.42	4,117.34	4,043.27	74.07	55.587	SF	
6,750.00	6,615.30	6,857.24	6,633.50	32.43	45.54	46.67	702.80	4,977.69	4,133.53	4,059.19	74.33	55.610		
6,800.00	6,660.63	6,904.50	6,680.73	32.61	45.67	46.80	704.08	4,976.96	4,153.36	4,078.78	74.58	55.692		
6,850.00	6,704.26	6,967.17	6,743.36	32.80	45.84	47.00	705.94	4,975.84	4,176.60	4,101.75	74.85	55.803		
6,900.00	6,745.92	7,027.81	6,803.95	33.00	46.01	47.20	708.02	4,974.50	4,203.04	4,127.94	75.10	55.968		
6,950.00	6,785.34	7,086.13	6,862.20	33.21	46.18	47.46	710.33	4,972.98	4,232.54	4,157.21	75.33	56.185		
7,000.00	6,822.30	7,130.92	6,906.93	33.44	46.31	47.75	712.32	4,971.67	4,264.96	4,189.44	75.52	56.472		
7,050.00	6,856.55	7,169.43	6,945.38	33.69	46.42	47.99	714.22	4,970.52	4,300.23	4,224.54	75.69	56.814		
7,100.00	6,887.90	7,204.89	6,980.77	33.97	46.52	48.28	716.12	4,969.45	4,338.11	4,262.28	75.84	57.204		
7,150.00	6,916.14	7,229.75	7,005.58	34.28	46.60	-179.88	717.54	4,968.71	4,378.42	4,302.48	75.95	57.651		
7,200.00	6,941.10	7,252.66	7,028.44	34.62	46.67	-178.24	718.92	4,968.04	4,420.92	4,344.88	76.04	58.137		
7,250.00	6,962.63	7,272.54	7,048.27	35.00	46.73	-176.24	720.16	4,967.48	4,465.34	4,389.22	76.12	58.660		
7,300.00	6,980.59	7,289.27	7,064.96	35.43	46.78	-173.56	721.25	4,967.03	4,511.40	4,435.22	76.19	59.216		
7,350.00	6,994.88	7,300.00	7,075.66	35.89	46.81	-169.60	721.96	4,966.74	4,558.81	4,482.58	76.23	59.804		
7,400.00	7,005.41	7,300.00	7,075.66	36.39	46.81	-162.79	721.96	4,966.74	4,607.30	4,531.06	76.24	60.432		
7,450.00	7,012.10	7,314.96	7,090.59	36.93	46.85	-149.82	722.96	4,966.35	4,656.50	4,580.22	76.29	61.040		
7,500.00	7,014.93	7,317.53	7,093.15	37.50	46.86	-118.92	723.13	4,966.29	4,706.17	4,629.87	76.30	61.679		
7,517.56	7,015.00	7,317.83	7,093.44	37.70	46.86	-101.74	723.15	4,966.28	4,723.65	4,647.35	76.31	61.904		
7,600.00	7,014.21	7,318.46	7,094.08	38.74	46.86	-101.83	723.19	4,966.26	4,805.80	4,729.47	76.32	62.967		
7,700.00	7,013.24	7,319.22	7,094.84	40.15	46.87	-101.93	723.24	4,966.24	4,905.44	4,829.10	76.34	64.254		
7,800.00	7,012.28	7,319.97	7,095.58	41.71	46.87	-102.04	723.29	4,966.23	5,005.10	4,928.73	76.37	65.539		
7,900.00	7,011.31	7,320.71	7,096.32	43.40	46.87	-102.14	723.34	4,966.21	5,104.77	5,028.38	76.39	66.823		
8,000.00	7,010.35	7,321.44	7,097.05	45.21	46.87	-102.24	723.39	4,966.19	5,204.46	5,128.04	76.42	68.105		
8,100.00	7,009.38	7,322.16	7,097.76	47.12	46.87	-102.34	723.44	4,966.17	5,304.16	5,227.71	76.45	69.385		
8,200.00	7,008.42	7,322.86	7,098.47	49.12	46.88	-102.44	723.48	4,966.16	5,403.86	5,327.39	76.47	70.663		
8,300.00	7,007.45	7,323.56	7,099.17	51.21	46.88	-102.54	723.53	4,966.14	5,503.58	5,427.08	76.50	71.939		
8,400.00	7,006.49	7,324.25	7,099.86	53.36	46.88	-102.63	723.58	4,966.12	5,603.31	5,526.78	76.53	73.213		
8,500.00	7,005.52	7,324.93	7,100.54	55.57	46.88	-102.73	723.62	4,966.11	5,703.05	5,626.48	76.57	74.485		
8,600.00	7,004.56	7,325.61	7,101.20	57.84	46.89	-102.82	723.66	4,966.09	5,802.80	5,726.20	76.60	75.756		
8,700.00	7,003.59	7,326.27	7,101.87	60.16	46.89	-102.91	723.71	4,966.07	5,902.55	5,825.92	76.63	77.024		
8,800.00	7,002.63	7,326.92	7,102.52	62.52	46.89	-103.00	723.75	4,966.06	6,002.31	5,925.65	76.67	78.291		
8,900.00	7,001.66	7,327.57	7,103.16	64.92	46.89	-103.09	723.79	4,966.04	6,102.08	6,025.38	76.70	79.555		
9,000.00	7,000.70	7,328.21	7,103.80	67.35	46.89	-103.18	723.84	4,966.03	6,201.86	6,125.12	76.74	80.817		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,328.83	7,104.43	69.81	46.89	-103.26	723.88	4,966.01	6,301.65	6,224.87	76.78	82.078		
9,200.00	6,998.77	7,329.46	7,105.05	72.31	46.90	-103.35	723.92	4,966.00	6,401.44	6,324.62	76.81	83.336		
9,300.00	6,997.80	7,330.07	7,105.66	74.82	46.90	-103.43	723.96	4,965.99	6,501.24	6,424.38	76.85	84.592		
9,400.00	6,996.84	7,330.67	7,106.26	77.36	46.90	-103.52	724.00	4,965.97	6,601.04	6,524.15	76.89	85.846		
9,500.00	6,995.88	7,331.27	7,106.86	79.92	46.90	-103.60	724.04	4,965.96	6,700.85	6,623.92	76.93	87.098		
9,600.00	6,994.91	7,331.86	7,107.45	82.49	46.90	-103.68	724.08	4,965.94	6,800.67	6,723.69	76.98	88.347		
9,700.00	6,993.95	7,332.44	7,108.03	85.09	46.91	-103.76	724.12	4,965.93	6,900.49	6,823.47	77.02	89.595		
9,800.00	6,992.98	7,333.02	7,108.60	87.70	46.91	-103.84	724.15	4,965.92	7,000.31	6,923.25	77.06	90.840		
9,900.00	6,992.02	7,333.59	7,109.17	90.32	46.91	-103.92	724.19	4,965.90	7,100.14	7,023.03	77.11	92.082		
10,000.00	6,991.05	7,334.15	7,109.73	92.95	46.91	-104.00	724.23	4,965.89	7,199.98	7,122.82	77.15	93.323		
10,100.00	6,990.09	7,334.71	7,110.28	95.60	46.91	-104.07	724.26	4,965.88	7,299.82	7,222.62	77.20	94.561		
10,200.00	6,989.12	7,335.26	7,110.83	98.26	46.91	-104.15	724.30	4,965.87	7,399.66	7,322.42	77.24	95.796		
10,300.00	6,988.16	7,335.80	7,111.37	100.92	46.92	-104.22	724.34	4,965.85	7,499.51	7,422.22	77.29	97.029		
10,400.00	6,987.19	7,336.33	7,111.91	103.60	46.92	-104.30	724.37	4,965.84	7,599.36	7,522.02	77.34	98.260		
10,500.00	6,986.23	7,336.86	7,112.43	106.28	46.92	-104.37	724.41	4,965.83	7,699.21	7,621.83	77.39	99.488		
10,600.00	6,985.26	7,337.39	7,112.96	108.98	46.92	-104.44	724.44	4,965.82	7,799.07	7,721.64	77.44	100.714		
10,700.00	6,984.30	7,337.90	7,113.47	111.68	46.92	-104.51	724.47	4,965.81	7,898.94	7,821.45	77.49	101.937		
10,800.00	6,983.33	7,338.41	7,113.98	114.38	46.92	-104.58	724.51	4,965.79	7,998.80	7,921.26	77.54	103.157		
10,900.00	6,982.37	7,338.92	7,114.49	117.09	46.92	-104.65	724.54	4,965.78	8,098.67	8,021.08	77.59	104.375		
11,000.00	6,981.40	7,339.42	7,114.98	119.81	46.93	-104.72	724.57	4,965.77	8,198.54	8,120.90	77.65	105.590		
11,100.00	6,980.44	7,339.91	7,115.48	122.54	46.93	-104.78	724.61	4,965.76	8,298.42	8,220.72	77.70	106.803		
11,200.00	6,979.47	7,340.40	7,115.96	125.26	46.93	-104.85	724.64	4,965.75	8,398.30	8,320.54	77.75	108.012		
11,300.00	6,978.51	7,340.88	7,116.44	128.00	46.93	-104.92	724.67	4,965.74	8,498.18	8,420.37	77.81	109.219		
11,400.00	6,977.54	7,341.36	7,116.92	130.73	46.93	-104.98	724.70	4,965.73	8,598.06	8,520.20	77.86	110.423		
11,500.00	6,976.58	7,341.83	7,117.39	133.48	46.93	-105.05	724.73	4,965.72	8,697.95	8,620.03	77.92	111.625		
11,600.00	6,975.62	7,342.30	7,117.86	136.22	46.94	-105.11	724.76	4,965.71	8,797.84	8,719.86	77.98	112.823		
11,700.00	6,974.65	7,342.76	7,118.32	138.97	46.94	-105.17	724.79	4,965.70	8,897.73	8,819.69	78.04	114.019		
11,800.00	6,973.69	7,343.22	7,118.77	141.73	46.94	-105.24	724.82	4,965.69	8,997.62	8,919.53	78.10	115.212		
11,900.00	6,972.72	7,343.67	7,119.22	144.48	46.94	-105.30	724.85	4,965.68	9,097.52	9,019.36	78.16	116.401		
12,000.00	6,971.76	7,344.11	7,119.67	147.24	46.94	-105.36	724.88	4,965.67	9,197.42	9,119.20	78.22	117.588		
12,100.00	6,970.79	7,344.56	7,120.11	150.00	46.94	-105.42	724.91	4,965.66	9,297.32	9,219.04	78.28	118.772		
12,200.00	6,969.83	7,344.99	7,120.54	152.77	46.94	-105.48	724.94	4,965.65	9,397.22	9,318.88	78.34	119.953		
12,300.00	6,968.86	7,345.42	7,120.98	155.54	46.94	-105.54	724.97	4,965.64	9,497.12	9,418.72	78.40	121.131		
12,400.00	6,967.90	7,345.85	7,121.40	158.31	46.95	-105.59	725.00	4,965.63	9,597.03	9,518.56	78.47	122.306		
12,500.00	6,966.93	7,346.28	7,121.83	161.08	46.95	-105.65	725.02	4,965.62	9,696.94	9,618.41	78.53	123.477		
12,600.00	6,965.97	7,346.69	7,122.24	163.85	46.95	-105.71	725.05	4,965.61	9,796.85	9,718.25	78.60	124.646		
12,700.00	6,965.00	7,347.11	7,122.66	166.63	46.95	-105.76	725.08	4,965.60	9,896.76	9,818.10	78.66	125.811		
12,800.00	6,964.04	7,347.52	7,123.07	169.41	46.95	-105.82	725.10	4,965.60	9,996.67	9,917.94	78.73	126.974		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.43	-726.87	5,574.04	5,621.46					
100.00	100.00	54.05	54.05	3.28	3.28	97.43	-726.86	5,574.03	5,621.22	5,614.65	6.57	856.000		
200.00	200.00	162.16	162.16	3.34	3.30	97.43	-726.71	5,573.89	5,621.07	5,614.44	6.64	847.020		
300.00	300.00	270.26	270.26	3.44	3.33	97.43	-726.41	5,573.61	5,620.79	5,614.01	6.78	829.256		
400.00	399.98	378.34	378.34	3.60	3.38	50.46	-725.96	5,573.20	5,619.24	5,612.26	6.99	804.398		
500.00	499.84	486.29	486.28	3.81	3.45	50.56	-725.36	5,572.65	5,615.33	5,608.08	7.25	774.217		
600.00	599.45	593.96	593.95	4.05	3.53	50.72	-724.62	5,571.97	5,609.07	5,601.50	7.57	740.598		
700.00	698.70	701.25	701.23	4.33	3.62	50.95	-723.73	5,571.15	5,600.48	5,592.53	7.94	705.206		
800.00	797.47	808.00	807.97	4.64	3.73	51.25	-722.69	5,570.20	5,589.57	5,581.21	8.35	669.300		
902.00	897.58	916.20	916.17	4.98	3.85	51.62	-721.50	5,569.10	5,576.09	5,567.28	8.81	633.070		
1,000.00	993.42	1,019.79	1,019.74	5.33	3.97	51.78	-720.22	5,567.92	5,561.97	5,552.69	9.28	599.536		
1,100.00	1,091.22	1,125.48	1,125.41	5.71	4.11	51.95	-718.76	5,566.58	5,547.46	5,537.68	9.78	567.158		
1,200.00	1,189.02	1,231.17	1,231.08	6.11	4.25	52.12	-717.17	5,565.12	5,532.85	5,522.54	10.31	536.699		
1,300.00	1,286.82	1,339.22	1,339.10	6.53	4.46	52.29	-715.40	5,563.47	5,518.14	5,507.23	10.91	505.676		
1,400.00	1,384.62	1,437.91	1,437.76	6.95	4.76	52.45	-713.79	5,561.79	5,503.29	5,491.66	11.62	473.441		
1,500.00	1,482.42	1,525.29	1,525.13	7.38	5.05	52.59	-712.71	5,560.40	5,488.65	5,476.33	12.33	445.270		
1,600.00	1,580.22	1,648.88	1,648.69	7.83	5.47	52.80	-711.31	5,558.37	5,474.06	5,460.89	13.17	415.609		
1,700.00	1,678.03	1,780.93	1,780.69	8.27	5.94	53.03	-710.63	5,555.10	5,458.75	5,444.68	14.07	388.016		
1,800.00	1,775.83	1,859.88	1,859.62	8.72	6.23	53.17	-710.51	5,553.04	5,443.43	5,428.64	14.80	367.900		
1,900.00	1,873.63	1,900.00	3,223.06	9.18	6.27	56.38	-729.82	5,342.03	5,408.58	5,393.75	14.83	364.647		
2,000.00	1,971.43	3,323.27	3,298.09	9.64	12.55	56.60	-730.88	5,320.99	5,370.82	5,349.64	21.18	253.635		
2,100.00	2,069.23	3,365.00	3,338.45	10.11	12.75	56.71	-731.26	5,310.41	5,334.32	5,312.50	21.82	244.445		
2,200.00	2,167.03	3,394.29	3,366.86	10.57	12.90	56.79	-731.62	5,303.27	5,298.81	5,276.38	22.43	236.240		
2,300.00	2,264.83	3,459.00	3,429.67	11.04	13.22	56.97	-733.05	5,287.76	5,264.13	5,240.96	23.18	227.134		
2,400.00	2,362.63	3,757.56	3,717.59	11.52	14.74	57.88	-742.28	5,209.47	5,227.18	5,202.37	24.80	210.756		
2,500.00	2,460.43	3,964.71	3,915.50	11.99	15.86	58.58	-750.49	5,148.87	5,188.17	5,162.08	26.09	198.838		
2,600.00	2,558.23	4,021.00	3,969.12	12.47	16.17	58.77	-752.52	5,131.84	5,148.48	5,121.65	26.83	191.857		
2,700.00	2,656.03	4,056.78	4,003.28	12.94	16.36	58.89	-753.82	5,121.31	5,109.71	5,082.20	27.51	185.758		
2,800.00	2,753.83	4,083.87	4,029.27	13.42	16.51	58.98	-754.88	5,113.69	5,072.17	5,044.01	28.15	180.162		
2,900.00	2,851.63	4,115.00	4,059.22	13.90	16.68	59.09	-756.16	5,105.33	5,035.86	5,007.04	28.82	174.745		
3,000.00	2,949.43	4,149.04	4,092.08	14.38	16.86	59.21	-757.57	5,096.56	5,000.70	4,971.20	29.50	169.538		
3,100.00	3,047.23	4,208.00	4,149.19	14.87	17.17	59.41	-759.85	5,082.10	4,966.68	4,936.41	30.27	164.090		
3,200.00	3,145.03	4,208.00	4,149.19	15.35	17.17	59.41	-759.85	5,082.10	4,933.65	4,902.82	30.83	160.045		
3,300.00	3,242.83	4,269.47	4,208.98	15.83	17.48	59.61	-762.11	5,067.99	4,901.57	4,869.96	31.61	155.058		
3,400.00	3,340.63	4,302.00	4,240.71	16.32	17.65	59.72	-763.30	5,060.91	4,870.69	4,838.39	32.29	150.833		
3,500.00	3,438.43	4,349.86	4,287.51	16.80	17.89	59.88	-764.98	5,051.03	4,840.88	4,807.85	33.03	146.569		
3,600.00	3,536.23	4,396.00	4,332.75	17.29	18.11	60.03	-766.48	5,042.12	4,812.23	4,778.47	33.76	142.545		
3,700.00	3,634.03	4,445.89	4,381.77	17.78	18.36	60.19	-767.97	5,032.99	4,784.57	4,750.06	34.50	138.670		
3,800.00	3,731.83	4,490.00	4,425.18	18.26	18.57	60.32	-769.17	5,025.20	4,757.75	4,722.52	35.23	135.060		
3,900.00	3,829.63	4,538.89	4,473.38	18.75	18.80	60.48	-770.38	5,017.09	4,731.96	4,696.00	35.97	131.568		
4,000.00	3,927.43	4,583.00	4,516.97	19.24	19.01	60.61	-771.38	5,010.42	4,707.41	4,670.72	36.69	128.312		
4,100.00	4,025.23	4,611.52	4,545.20	19.73	19.14	60.70	-771.98	5,006.47	4,684.11	4,646.76	37.35	125.427		
4,200.00	4,123.03	4,644.03	4,577.46	20.22	19.29	60.79	-772.60	5,002.41	4,662.19	4,624.17	38.02	122.639		
4,300.00	4,220.83	4,677.00	4,610.22	20.71	19.44	60.89	-773.17	4,998.77	4,641.65	4,602.96	38.68	119.989		
4,400.00	4,318.63	4,731.76	4,664.71	21.20	19.68	61.04	-773.85	4,993.43	4,622.27	4,582.84	39.43	117.227		
4,500.00	4,416.43	4,771.00	4,703.80	21.69	19.85	61.15	-774.06	4,989.99	4,603.89	4,563.78	40.11	114.770		
4,600.00	4,514.23	4,828.57	4,761.21	22.18	20.10	61.29	-773.87	4,985.71	4,586.54	4,545.68	40.86	112.242		
4,700.00	4,612.03	4,864.00	4,796.57	22.67	20.25	61.38	-773.42	4,983.61	4,570.43	4,528.91	41.52	110.072		
4,800.00	4,709.83	4,920.02	4,852.53	23.16	20.48	61.51	-772.60	4,980.99	4,555.44	4,513.18	42.26	107.807		
4,900.00	4,807.63	4,958.00	4,890.48	23.65	20.64	61.60	-772.14	4,979.63	4,541.64	4,498.73	42.91	105.831		
5,000.00	4,905.43	5,030.35	4,962.80	24.14	20.93	61.77	-771.51	4,977.68	4,528.76	4,485.05	43.71	103.615		
5,100.00	5,003.23	5,065.90	4,998.34	24.63	21.08	61.85	-771.32	4,976.93	4,516.86	4,472.51	44.35	101.853		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,065.90	4,998.34	25.12	21.08	61.85	-771.32	4,976.93	4,506.93	4,462.11	44.82	100.546		
5,300.00	5,198.83	5,065.90	4,998.34	25.62	21.08	61.85	-771.32	4,976.93	4,499.21	4,453.92	45.28	99.357		
5,400.00	5,296.63	5,065.90	4,998.34	26.11	21.08	61.85	-771.32	4,976.93	4,493.70	4,447.97	45.72	98.283		
5,500.00	5,394.43	5,065.90	4,998.34	26.60	21.08	61.85	-771.32	4,976.93	4,490.40	4,444.26	46.14	97.321		
5,597.84	5,490.12	5,065.90	4,998.34	27.08	21.08	61.85	-771.32	4,976.93	4,489.34	4,442.81	46.53	96.486 CC		
5,600.00	5,492.23	5,065.90	4,998.34	27.09	21.08	61.85	-771.32	4,976.93	4,489.34	4,442.80	46.54	96.469 ES		
5,700.00	5,590.03	5,065.90	4,998.34	27.58	21.08	61.85	-771.32	4,976.93	4,490.50	4,443.59	46.91	95.723		
5,800.00	5,687.83	5,065.90	4,998.34	28.08	21.08	61.85	-771.32	4,976.93	4,493.89	4,446.62	47.26	95.082		
5,900.00	5,785.63	5,065.90	4,998.34	28.57	21.08	61.85	-771.32	4,976.93	4,499.50	4,451.90	47.59	94.541		
6,000.00	5,883.43	5,065.90	4,998.34	29.06	21.08	61.85	-771.32	4,976.93	4,507.32	4,459.42	47.90	94.100		
6,100.00	5,981.23	5,065.90	4,998.34	29.56	21.08	61.85	-771.32	4,976.93	4,517.34	4,469.15	48.18	93.756		
6,200.00	6,079.04	5,065.90	4,998.34	30.05	21.08	61.85	-771.32	4,976.93	4,529.54	4,481.10	48.44	93.505		
6,300.00	6,176.84	5,065.90	4,998.34	30.54	21.08	61.85	-771.32	4,976.93	4,543.92	4,495.24	48.68	93.347		
6,409.71	6,284.13	5,065.90	4,998.34	31.08	21.08	61.85	-771.32	4,976.93	4,562.16	4,513.25	48.91	93.275 SF		
6,450.00	6,323.71	5,065.90	4,998.34	31.28	21.08	76.29	-771.32	4,976.93	4,570.67	4,521.68	48.99	93.307		
6,500.00	6,373.15	5,065.90	4,998.34	31.50	21.08	104.29	-771.32	4,976.93	4,584.89	4,535.83	49.06	93.458		
6,550.00	6,422.65	5,065.90	4,998.34	31.70	21.08	136.02	-771.32	4,976.93	4,603.04	4,553.94	49.11	93.736		
6,600.00	6,471.92	5,065.90	4,998.34	31.89	21.08	158.30	-771.32	4,976.93	4,624.98	4,575.85	49.13	94.135		
6,650.00	6,520.65	5,065.90	4,998.34	32.07	21.08	171.65	-771.32	4,976.93	4,650.51	4,601.37	49.14	94.640		
6,700.00	6,568.54	5,065.90	4,998.34	32.25	21.08	-179.73	-771.32	4,976.93	4,679.42	4,630.29	49.13	95.239		
6,750.00	6,615.30	5,065.90	4,998.34	32.43	21.08	-173.41	-771.32	4,976.93	4,711.47	4,662.35	49.12	95.922		
6,800.00	6,660.63	5,065.90	4,998.34	32.61	21.08	-168.17	-771.32	4,976.93	4,746.40	4,697.30	49.09	96.678		
6,850.00	6,704.26	5,065.90	4,998.34	32.80	21.08	-163.29	-771.32	4,976.93	4,783.93	4,734.86	49.07	97.497		
6,900.00	6,745.92	5,065.90	4,998.34	33.00	21.08	-158.32	-771.32	4,976.93	4,823.78	4,774.74	49.04	98.369		
6,950.00	6,785.34	5,065.90	4,998.34	33.21	21.08	-152.85	-771.32	4,976.93	4,865.64	4,816.63	49.01	99.281		
7,000.00	6,822.30	5,065.90	4,998.34	33.44	21.08	-146.48	-771.32	4,976.93	4,909.21	4,860.23	48.98	100.223		
7,050.00	6,856.55	5,065.90	4,998.34	33.69	21.08	-138.77	-771.32	4,976.93	4,954.18	4,905.22	48.96	101.182		
7,100.00	6,887.90	5,065.90	4,998.34	33.97	21.08	-129.29	-771.32	4,976.93	5,000.24	4,951.29	48.95	102.147		
7,150.00	6,916.14	5,065.90	4,998.34	34.28	21.08	-117.78	-771.32	4,976.93	5,047.08	4,998.13	48.95	103.104		
7,200.00	6,941.10	5,065.90	4,998.34	34.62	21.08	-104.53	-771.32	4,976.93	5,094.39	5,045.43	48.96	104.043		
7,250.00	6,962.63	5,065.90	4,998.34	35.00	21.08	-90.60	-771.32	4,976.93	5,141.87	5,092.88	48.99	104.951		
7,300.00	6,980.59	5,065.90	4,998.34	35.43	21.08	-77.50	-771.32	4,976.93	5,189.23	5,140.19	49.04	105.816		
7,350.00	6,994.88	5,065.90	4,998.34	35.89	21.08	-66.31	-771.32	4,976.93	5,236.18	5,187.08	49.11	106.629		
7,400.00	7,005.41	5,065.90	4,998.34	36.39	21.08	-57.31	-771.32	4,976.93	5,282.45	5,233.26	49.19	107.379		
7,450.00	7,012.10	5,065.90	4,998.34	36.93	21.08	-50.29	-771.32	4,976.93	5,327.78	5,278.47	49.30	108.059		
7,500.00	7,014.93	5,065.90	4,998.34	37.50	21.08	-44.86	-771.32	4,976.93	5,371.90	5,322.47	49.44	108.660		
7,517.56	7,015.00	5,065.90	4,998.34	37.70	21.08	-43.26	-771.32	4,976.93	5,387.07	5,337.58	49.49	108.857		
7,600.00	7,014.21	5,065.90	4,998.34	38.74	21.08	-43.26	-771.32	4,976.93	5,458.02	5,408.26	49.75	109.700		
7,700.00	7,013.24	5,065.90	4,998.34	40.15	21.08	-43.26	-771.32	4,976.93	5,544.50	5,494.40	50.09	110.686		
7,800.00	7,012.28	5,065.90	4,998.34	41.71	21.08	-43.26	-771.32	4,976.93	5,631.43	5,580.98	50.44	111.640		
7,900.00	7,011.31	5,065.90	4,998.34	43.40	21.08	-43.26	-771.32	4,976.93	5,718.78	5,667.98	50.80	112.567		
8,000.00	7,010.35	5,065.90	4,998.34	45.21	21.08	-43.26	-771.32	4,976.93	5,806.55	5,755.38	51.17	113.471		
8,100.00	7,009.38	5,065.90	4,998.34	47.12	21.08	-43.26	-771.32	4,976.93	5,894.70	5,843.15	51.55	114.355		
8,200.00	7,008.42	5,065.90	4,998.34	49.12	21.08	-43.26	-771.32	4,976.93	5,983.23	5,931.30	51.93	115.223		
8,300.00	7,007.45	5,065.90	4,998.34	51.21	21.08	-43.26	-771.32	4,976.93	6,072.11	6,019.80	52.31	116.078		
8,400.00	7,006.49	5,065.90	4,998.34	53.36	21.08	-43.26	-771.32	4,976.93	6,161.34	6,108.64	52.70	116.922		
8,500.00	7,005.52	5,065.90	4,998.34	55.57	21.08	-43.26	-771.32	4,976.93	6,250.89	6,197.80	53.08	117.757		
8,600.00	7,004.56	5,065.90	4,998.34	57.84	21.08	-43.26	-771.32	4,976.93	6,340.75	6,287.28	53.47	118.585		
8,700.00	7,003.59	5,065.90	4,998.34	60.16	21.08	-43.26	-771.32	4,976.93	6,430.91	6,377.05	53.86	119.408		
8,800.00	7,002.63	5,065.90	4,998.34	62.52	21.08	-43.26	-771.32	4,976.93	6,521.36	6,467.12	54.24	120.228		
8,900.00	7,001.66	5,065.90	4,998.34	64.92	21.08	-43.26	-771.32	4,976.93	6,612.08	6,557.46	54.62	121.045		
9,000.00	7,000.70	5,065.90	4,998.34	67.35	21.08	-43.26	-771.32	4,976.93	6,703.07	6,648.06	55.01	121.861		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	5,065.90	4,998.34	69.81	21.08	-43.26	-771.32	4,976.93	6,794.31	6,738.93	55.38	122.677		
9,200.00	6,998.77	5,065.90	4,998.34	72.31	21.08	-43.26	-771.32	4,976.93	6,885.79	6,830.04	55.76	123.492		
9,300.00	6,997.80	5,065.90	4,998.34	74.82	21.08	-43.26	-771.32	4,976.93	6,977.51	6,921.38	56.13	124.309		
9,400.00	6,996.84	5,065.90	4,998.34	77.36	21.08	-43.26	-771.32	4,976.93	7,069.46	7,012.96	56.50	125.128		
9,500.00	6,995.88	5,065.90	4,998.34	79.92	21.08	-43.26	-771.32	4,976.93	7,161.61	7,104.75	56.86	125.948		
9,600.00	6,994.91	5,065.90	4,998.34	82.49	21.08	-43.26	-771.32	4,976.93	7,253.98	7,196.76	57.22	126.770		
9,700.00	6,993.95	5,065.90	4,998.34	85.09	21.08	-43.26	-771.32	4,976.93	7,346.55	7,288.97	57.58	127.596		
9,800.00	6,992.98	5,065.90	4,998.34	87.70	21.08	-43.26	-771.32	4,976.93	7,439.30	7,381.38	57.93	128.424		
9,900.00	6,992.02	5,065.90	4,998.34	90.32	21.08	-43.26	-771.32	4,976.93	7,532.25	7,473.97	58.27	129.255		
10,000.00	6,991.05	5,065.90	4,998.34	92.95	21.08	-43.26	-771.32	4,976.93	7,625.37	7,566.75	58.62	130.089		
10,100.00	6,990.09	5,065.90	4,998.34	95.60	21.08	-43.26	-771.32	4,976.93	7,718.67	7,659.71	58.95	130.927		
10,200.00	6,989.12	5,065.90	4,998.34	98.26	21.08	-43.26	-771.32	4,976.93	7,812.13	7,752.84	59.29	131.768		
10,300.00	6,988.16	5,065.90	4,998.34	100.92	21.08	-43.26	-771.32	4,976.93	7,905.75	7,846.13	59.62	132.613		
10,400.00	6,987.19	5,065.90	4,998.34	103.60	21.08	-43.26	-771.32	4,976.93	7,999.52	7,939.58	59.94	133.460		
10,500.00	6,986.23	5,065.90	4,998.34	106.28	21.08	-43.26	-771.32	4,976.93	8,093.45	8,033.19	60.26	134.312		
10,600.00	6,985.26	5,065.90	4,998.34	108.98	21.08	-43.26	-771.32	4,976.93	8,187.51	8,126.94	60.57	135.166		
10,700.00	6,984.30	5,065.90	4,998.34	111.68	21.08	-43.26	-771.32	4,976.93	8,281.72	8,220.84	60.88	136.024		
10,800.00	6,983.33	5,065.90	4,998.34	114.38	21.08	-43.26	-771.32	4,976.93	8,376.06	8,314.87	61.19	136.886		
10,900.00	6,982.37	5,065.90	4,998.34	117.09	21.08	-43.26	-771.32	4,976.93	8,470.53	8,409.04	61.49	137.750		
11,000.00	6,981.40	5,065.90	4,998.34	119.81	21.08	-43.26	-771.32	4,976.93	8,565.13	8,503.34	61.79	138.618		
11,100.00	6,980.44	5,065.90	4,998.34	122.54	21.08	-43.26	-771.32	4,976.93	8,659.85	8,597.76	62.08	139.488		
11,200.00	6,979.47	5,065.90	4,998.34	125.26	21.08	-43.26	-771.32	4,976.93	8,754.68	8,692.31	62.37	140.362		
11,300.00	6,978.51	5,065.90	4,998.34	128.00	21.08	-43.26	-771.32	4,976.93	8,849.63	8,786.97	62.66	141.238		
11,400.00	6,977.54	5,065.90	4,998.34	130.73	21.08	-43.26	-771.32	4,976.93	8,944.69	8,881.75	62.94	142.118		
11,500.00	6,976.58	5,065.90	4,998.34	133.48	21.08	-43.26	-771.32	4,976.93	9,039.86	8,976.64	63.22	143.000		
11,600.00	6,975.62	5,065.90	4,998.34	136.22	21.08	-43.26	-771.32	4,976.93	9,135.13	9,071.64	63.49	143.885		
11,700.00	6,974.65	5,065.90	4,998.34	138.97	21.08	-43.26	-771.32	4,976.93	9,230.50	9,166.74	63.76	144.772		
11,800.00	6,973.69	5,065.90	4,998.34	141.73	21.08	-43.26	-771.32	4,976.93	9,325.96	9,261.94	64.02	145.661		
11,900.00	6,972.72	5,065.90	4,998.34	144.48	21.08	-43.26	-771.32	4,976.93	9,421.52	9,357.23	64.29	146.553		
12,000.00	6,971.76	5,065.90	4,998.34	147.24	21.08	-43.26	-771.32	4,976.93	9,517.17	9,452.63	64.55	147.447		
12,100.00	6,970.79	5,065.90	4,998.34	150.00	21.08	-43.26	-771.32	4,976.93	9,612.91	9,548.11	64.80	148.343		
12,200.00	6,969.83	5,065.90	4,998.34	152.77	21.08	-43.26	-771.32	4,976.93	9,708.74	9,643.69	65.05	149.241		
12,300.00	6,968.86	5,065.90	4,998.34	155.54	21.08	-43.26	-771.32	4,976.93	9,804.65	9,739.35	65.30	150.141		
12,400.00	6,967.90	5,065.90	4,998.34	158.31	21.08	-43.26	-771.32	4,976.93	9,900.64	9,835.09	65.55	151.043		
12,500.00	6,966.93	5,065.90	4,998.34	161.08	21.08	-43.26	-771.32	4,976.93	9,996.71	9,930.92	65.79	151.947		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.21	-706.84	5,585.73	5,630.50					
100.00	100.00	54.03	54.03	3.28	3.28	97.21	-706.93	5,585.70	5,630.26	5,623.69	6.57	857.386		
200.00	200.00	153.26	153.26	3.34	3.31	97.22	-707.54	5,585.52	5,630.16	5,623.51	6.65	847.022		
300.00	300.00	260.97	260.96	3.44	3.40	97.23	-708.29	5,585.36	5,630.10	5,623.25	6.85	822.193		
400.00	399.98	385.33	385.32	3.60	3.58	50.27	-708.92	5,584.77	5,628.58	5,621.39	7.18	783.541		
500.00	499.84	486.67	486.66	3.81	3.78	50.38	-709.11	5,584.06	5,624.57	5,616.99	7.58	742.042		
600.00	599.45	2,060.81	2,037.10	4.05	12.49	51.07	-613.51	5,381.38	5,607.01	5,593.06	13.95	401.829		
700.00	698.70	2,248.57	2,216.50	4.33	14.51	51.63	-587.62	5,332.41	5,571.67	5,556.48	15.20	366.591		
800.00	797.47	2,330.02	2,294.18	4.64	15.42	52.28	-575.87	5,310.95	5,534.27	5,518.36	15.90	347.972		
902.00	897.58	2,438.11	2,397.28	4.98	16.63	53.03	-560.24	5,282.47	5,494.10	5,477.30	16.80	327.068		
1,000.00	993.42	2,548.88	2,502.70	5.33	17.92	53.10	-543.49	5,252.87	5,454.08	5,436.35	17.73	307.646		
1,100.00	1,091.22	1,100.00	2,745.91	5.71	5.92	53.23	-500.63	5,180.17	5,411.32	5,401.42	9.90	546.604		
1,200.00	1,189.02	2,847.90	2,784.99	6.11	21.83	53.25	-493.57	5,167.93	5,367.87	5,347.65	20.22	265.507		
1,300.00	1,286.82	2,900.00	2,834.35	6.53	22.52	53.28	-485.46	5,153.36	5,325.61	5,304.71	20.89	254.904		
1,400.00	1,384.62	2,930.07	2,862.94	6.95	22.89	53.30	-481.04	5,145.18	5,284.07	5,262.63	21.44	246.472		
1,500.00	1,482.42	3,094.51	3,019.23	7.38	24.91	53.44	-457.72	5,099.69	5,242.73	5,220.00	22.73	230.615		
1,600.00	1,580.22	3,131.93	3,054.74	7.83	25.35	53.47	-452.42	5,089.12	5,200.70	5,177.36	23.34	222.787		
1,700.00	1,678.03	3,164.64	3,085.89	8.27	25.74	53.50	-447.82	5,080.25	5,159.69	5,135.75	23.94	215.520		
1,800.00	1,775.83	3,200.00	3,119.67	8.72	26.17	53.53	-442.89	5,071.06	5,119.73	5,095.16	24.56	208.439		
1,900.00	1,873.63	3,276.20	3,192.68	9.18	26.98	53.60	-432.94	5,051.66	5,080.43	5,055.05	25.38	200.155		
2,000.00	1,971.43	3,338.50	3,252.50	9.64	27.62	53.67	-425.69	5,035.84	5,041.45	5,015.33	26.13	192.960		
2,100.00	2,069.23	3,400.00	3,311.72	10.11	28.23	53.74	-418.97	5,020.63	5,003.16	4,976.29	26.87	186.228		
2,200.00	2,167.03	3,458.91	3,368.55	10.57	28.79	53.82	-412.87	5,006.39	4,965.47	4,937.88	27.59	179.996		
2,300.00	2,264.83	3,526.33	3,433.69	11.04	29.41	53.91	-406.18	4,990.34	4,928.26	4,899.91	28.35	173.853		
2,400.00	2,362.63	3,593.63	3,498.78	11.52	30.01	54.00	-399.26	4,974.70	4,891.55	4,862.43	29.11	168.030		
2,500.00	2,460.43	4,100.00	3,980.86	11.99	36.16	54.55	-333.02	4,835.96	4,847.38	4,815.38	32.00	151.466		
2,600.00	2,558.23	4,138.77	4,017.35	12.47	36.69	54.58	-327.04	4,824.31	4,803.59	4,770.89	32.70	146.891		
2,700.00	2,656.03	4,200.00	4,075.40	12.94	37.52	54.65	-318.64	4,806.74	4,761.05	4,727.54	33.51	142.076		
2,800.00	2,753.83	4,200.00	4,075.40	13.42	37.52	54.65	-318.64	4,806.74	4,719.20	4,685.17	34.03	138.682		
2,900.00	2,851.63	4,266.20	4,138.48	13.90	38.30	54.73	-309.93	4,788.65	4,678.33	4,643.48	34.85	134.255		
3,000.00	2,949.43	4,445.72	4,309.14	14.38	40.53	54.91	-284.36	4,739.21	4,637.08	4,600.88	36.20	128.084		
3,100.00	3,047.23	4,700.00	4,547.64	14.87	44.36	55.13	-242.61	4,661.70	4,591.58	4,553.54	38.04	120.717		
3,200.00	3,145.03	4,755.97	4,599.97	15.35	45.22	55.19	-233.89	4,643.85	4,546.21	4,507.35	38.86	116.996		
3,300.00	3,242.83	4,800.00	4,641.34	15.83	45.91	55.23	-226.85	4,630.53	4,502.02	4,462.39	39.63	113.611		
3,400.00	3,340.63	4,843.82	4,682.63	16.32	46.51	55.27	-219.67	4,617.73	4,458.74	4,418.35	40.40	110.368		
3,500.00	3,438.43	4,900.00	4,735.65	16.80	47.28	55.31	-210.24	4,601.74	4,416.20	4,374.96	41.23	107.100		
3,600.00	3,536.23	4,963.55	4,795.75	17.29	48.11	55.36	-199.51	4,584.09	4,374.28	4,332.18	42.11	103.887		
3,700.00	3,634.03	5,000.00	4,830.28	17.78	48.58	55.39	-193.43	4,574.13	4,333.06	4,290.21	42.85	101.127		
3,800.00	3,731.83	5,059.01	4,886.36	18.26	49.27	55.44	-183.76	4,558.53	4,292.65	4,248.97	43.68	98.264		
3,900.00	3,829.63	5,100.00	4,925.50	18.75	49.75	55.48	-177.22	4,548.23	4,253.40	4,208.96	44.44	95.714		
4,000.00	3,927.43	5,155.98	4,979.15	19.24	50.31	55.54	-168.99	4,534.58	4,215.10	4,169.87	45.23	93.195		
4,100.00	4,025.23	5,200.00	5,021.52	19.73	50.76	55.60	-163.36	4,524.03	4,177.64	4,131.68	45.97	90.885		
4,200.00	4,123.03	5,200.00	5,021.52	20.22	50.76	55.60	-163.36	4,524.03	4,141.87	4,095.35	46.52	89.035		
4,300.00	4,220.83	5,256.08	5,075.85	20.71	51.20	55.68	-157.10	4,511.62	4,106.84	4,059.58	47.26	86.900		
4,400.00	4,318.63	5,300.00	5,118.73	21.20	51.54	55.76	-152.81	4,503.17	4,073.92	4,025.97	47.95	84.955		
4,500.00	4,416.43	5,317.28	5,135.67	21.69	51.64	55.79	-151.26	4,500.09	4,042.29	3,993.75	48.54	83.278		
4,600.00	4,514.23	5,372.73	5,190.09	22.18	51.96	55.89	-146.70	4,490.47	4,011.90	3,962.66	49.24	81.478		
4,700.00	4,612.03	5,400.00	5,216.89	22.67	52.12	55.95	-144.70	4,485.89	3,982.64	3,932.80	49.84	79.905		
4,800.00	4,709.83	5,458.34	5,274.39	23.16	52.39	56.07	-140.87	4,476.77	3,954.48	3,903.96	50.53	78.265		
4,900.00	4,807.63	5,500.00	5,315.57	23.65	52.59	56.16	-138.49	4,470.96	3,927.85	3,876.69	51.16	76.783		
5,000.00	4,905.43	5,532.60	5,347.87	24.14	52.71	56.24	-136.81	4,466.87	3,902.68	3,850.94	51.74	75.430		
5,100.00	5,003.23	5,567.85	5,382.86	24.63	52.83	56.32	-135.12	4,462.95	3,879.06	3,826.74	52.32	74.138		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,600.00	5,414.83	25.12	52.94	56.39	-133.70	4,459.84	3,857.01	3,804.12	52.89	72.932		
5,300.00	5,198.83	5,670.89	5,485.39	25.62	53.14	56.55	-130.65	4,453.81	3,836.10	3,782.52	53.57	71.605		
5,400.00	5,296.63	5,735.72	5,549.97	26.11	53.31	56.70	-127.80	4,448.88	3,816.05	3,761.81	54.24	70.357		
5,500.00	5,394.43	5,800.00	5,614.04	26.60	53.48	56.85	-125.06	4,444.52	3,796.88	3,741.98	54.90	69.160		
5,600.00	5,492.23	5,860.07	5,673.97	27.09	53.62	56.99	-122.82	4,440.95	3,778.66	3,723.12	55.54	68.037		
5,700.00	5,590.03	5,921.35	5,735.14	27.58	53.77	57.14	-121.07	4,437.80	3,761.46	3,705.29	56.17	66.960		
5,800.00	5,687.83	5,986.03	5,799.74	28.08	53.91	57.31	-119.86	4,434.93	3,745.20	3,688.39	56.82	65.917		
5,900.00	5,785.63	6,058.14	5,871.79	28.57	54.06	57.50	-119.11	4,432.17	3,729.80	3,672.31	57.48	64.886		
6,000.00	5,883.43	6,136.49	5,950.11	29.06	54.23	57.72	-118.65	4,429.58	3,715.05	3,656.88	58.17	63.864		
6,100.00	5,981.23	6,220.44	6,034.01	29.56	54.41	57.96	-118.48	4,427.06	3,700.79	3,641.91	58.88	62.852		
6,200.00	6,079.04	6,304.77	6,118.31	30.05	54.58	58.20	-118.77	4,424.72	3,686.96	3,627.37	59.59	61.868		
6,300.00	6,176.84	6,386.16	6,199.68	30.54	54.75	58.45	-119.37	4,422.72	3,673.61	3,613.32	60.29	60.927		
6,409.71	6,284.13	6,500.33	6,313.81	31.08	55.00	58.80	-120.55	4,420.00	3,659.26	3,598.09	61.17	59.822		
6,450.00	6,323.71	6,545.17	6,358.62	31.28	55.09	72.97	-121.12	4,418.81	3,655.13	3,593.63	61.50	59.434		
6,499.82	6,372.97	6,601.05	6,414.48	31.50	55.21	100.46	-121.84	4,417.21	3,653.31	3,591.41	61.90	59.019 CC		
6,500.00	6,373.15	6,601.26	6,414.68	31.50	55.21	100.58	-121.84	4,417.21	3,653.31	3,591.41	61.90	59.018 ES		
6,550.00	6,422.65	6,646.15	6,459.56	31.70	55.31	131.82	-122.48	4,415.90	3,655.23	3,592.99	62.25	58.723		
6,600.00	6,471.92	6,691.16	6,504.54	31.89	55.41	153.49	-123.23	4,414.61	3,660.94	3,598.37	62.57	58.505		
6,650.00	6,520.65	6,746.44	6,559.79	32.07	55.53	166.13	-124.19	4,413.01	3,670.34	3,607.41	62.94	58.319		
6,700.00	6,568.54	6,803.59	6,616.90	32.25	55.66	173.85	-125.06	4,411.26	3,683.26	3,619.96	63.30	58.191		
6,750.00	6,615.30	6,857.17	6,670.45	32.43	55.78	179.06	-125.84	4,409.51	3,699.62	3,635.98	63.64	58.137 SF		
6,800.00	6,660.63	6,909.50	6,722.74	32.61	55.90	-177.10	-126.64	4,407.69	3,719.35	3,655.38	63.96	58.148		
6,850.00	6,704.26	6,939.09	6,752.32	32.80	55.96	-174.01	-127.13	4,406.72	3,742.47	3,678.28	64.19	58.302		
6,900.00	6,745.92	6,970.51	6,783.71	33.00	56.03	-171.31	-127.68	4,405.76	3,768.90	3,704.48	64.42	58.507		
6,950.00	6,785.34	7,000.46	6,813.65	33.21	56.10	-168.78	-128.23	4,404.92	3,798.45	3,733.82	64.63	58.770		
7,000.00	6,822.30	7,055.51	6,868.67	33.44	56.23	-166.34	-129.27	4,403.33	3,830.80	3,765.85	64.95	58.983		
7,050.00	6,856.55	7,122.13	6,935.24	33.69	56.38	-163.87	-130.46	4,401.04	3,865.62	3,800.32	65.31	59.192		
7,100.00	6,887.90	7,100.00	6,989.85	33.97	56.33	-161.19	-131.32	4,398.42	3,902.28	3,836.96	65.32	59.745		
7,150.00	6,916.14	7,227.94	7,040.91	34.28	56.64	-158.19	-132.04	4,395.93	3,941.26	3,875.36	65.90	59.811		
7,200.00	6,941.10	7,244.10	7,057.05	34.62	56.68	-154.40	-132.18	4,395.17	3,982.30	3,916.27	66.04	60.304		
7,250.00	6,962.63	7,258.10	7,071.03	35.00	56.71	-149.75	-132.28	4,394.56	4,025.19	3,959.03	66.17	60.834		
7,300.00	6,980.59	7,269.88	7,082.80	35.43	56.74	-143.86	-132.35	4,394.08	4,069.65	4,003.36	66.29	61.394		
7,350.00	6,994.88	7,279.39	7,092.31	35.89	56.76	-136.29	-132.38	4,393.71	4,115.37	4,048.97	66.40	61.981		
7,400.00	7,005.41	7,300.00	7,112.91	36.39	56.81	-126.96	-132.41	4,392.97	4,162.11	4,095.55	66.55	62.537		
7,450.00	7,012.10	7,300.00	7,112.91	36.93	56.81	-114.63	-132.41	4,392.97	4,209.47	4,142.84	66.63	63.177		
7,500.00	7,014.93	7,300.00	7,112.91	37.50	56.81	-100.29	-132.41	4,392.97	4,257.24	4,190.53	66.71	63.819		
7,517.56	7,015.00	7,300.00	7,112.91	37.70	56.81	-95.05	-132.41	4,392.97	4,274.04	4,207.31	66.74	64.043		
7,600.00	7,014.21	7,300.00	7,112.91	38.74	56.81	-95.05	-132.41	4,392.97	4,353.06	4,286.18	66.88	65.091		
7,700.00	7,013.24	7,300.00	7,112.91	40.15	56.81	-95.05	-132.41	4,392.97	4,449.06	4,382.01	67.06	66.349		
7,800.00	7,012.28	7,300.00	7,112.91	41.71	56.81	-95.05	-132.41	4,392.97	4,545.24	4,477.99	67.24	67.595		
7,900.00	7,011.31	7,300.00	7,112.91	43.40	56.81	-95.05	-132.41	4,392.97	4,641.57	4,574.14	67.44	68.830		
8,000.00	7,010.35	7,300.00	7,112.91	45.21	56.81	-95.05	-132.41	4,392.97	4,738.06	4,670.43	67.63	70.055		
8,100.00	7,009.38	7,300.00	7,112.91	47.12	56.81	-95.05	-132.41	4,392.97	4,834.70	4,766.86	67.84	71.270		
8,200.00	7,008.42	7,300.00	7,112.91	49.12	56.81	-95.05	-132.41	4,392.97	4,931.46	4,863.42	68.04	72.476		
8,300.00	7,007.45	7,300.00	7,112.91	51.21	56.81	-95.05	-132.41	4,392.97	5,028.36	4,960.11	68.25	73.675		
8,400.00	7,006.49	7,308.10	7,121.00	53.36	56.83	-95.43	-132.41	4,392.71	5,125.36	5,056.87	68.49	74.832		
8,500.00	7,005.52	7,309.70	7,122.60	55.57	56.84	-95.50	-132.41	4,392.65	5,222.48	5,153.77	68.71	76.010		
8,600.00	7,004.56	7,311.29	7,124.19	57.84	56.84	-95.57	-132.41	4,392.60	5,319.71	5,250.78	68.93	77.181		
8,700.00	7,003.59	7,312.86	7,125.76	60.16	56.84	-95.65	-132.41	4,392.55	5,417.04	5,347.89	69.14	78.346		
8,800.00	7,002.63	7,314.41	7,127.31	62.52	56.85	-95.72	-132.41	4,392.50	5,514.46	5,445.10	69.36	79.506		
8,900.00	7,001.66	7,315.94	7,128.84	64.92	56.85	-95.79	-132.41	4,392.45	5,611.97	5,542.40	69.57	80.661		
9,000.00	7,000.70	7,317.46	7,130.35	67.35	56.86	-95.86	-132.41	4,392.40	5,709.57	5,639.78	69.79	81.811		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,318.95	7,131.85	69.81	56.86	-95.93	-132.41	4,392.36	5,807.25	5,737.24	70.00	82.957		
9,200.00	6,998.77	7,320.43	7,133.33	72.31	56.86	-96.00	-132.41	4,392.31	5,905.00	5,834.79	70.22	84.098		
9,300.00	6,997.80	7,321.89	7,134.78	74.82	56.87	-96.06	-132.41	4,392.26	6,002.83	5,932.41	70.43	85.236		
9,400.00	6,996.84	7,323.33	7,136.23	77.36	56.87	-96.13	-132.41	4,392.22	6,100.73	6,030.10	70.64	86.369		
9,500.00	6,995.88	7,324.76	7,137.65	79.92	56.87	-96.20	-132.41	4,392.17	6,198.70	6,127.86	70.84	87.500		
9,600.00	6,994.91	7,326.17	7,139.06	82.49	56.88	-96.26	-132.41	4,392.13	6,296.73	6,225.68	71.05	88.626		
9,700.00	6,993.95	7,327.57	7,140.46	85.09	56.88	-96.32	-132.41	4,392.09	6,394.82	6,323.57	71.25	89.750		
9,800.00	6,992.98	7,328.94	7,141.83	87.70	56.88	-96.39	-132.41	4,392.04	6,492.97	6,421.51	71.45	90.871		
9,900.00	6,992.02	7,330.31	7,143.20	90.32	56.89	-96.45	-132.41	4,392.00	6,591.17	6,519.52	71.65	91.988		
10,000.00	6,991.05	7,331.65	7,144.54	92.95	56.89	-96.51	-132.41	4,391.96	6,689.43	6,617.58	71.85	93.103		
10,100.00	6,990.09	7,332.99	7,145.87	95.60	56.89	-96.57	-132.41	4,391.92	6,787.73	6,715.69	72.05	94.215		
10,200.00	6,989.12	7,334.30	7,147.19	98.26	56.90	-96.64	-132.41	4,391.88	6,886.09	6,813.85	72.24	95.324		
10,300.00	6,988.16	7,335.61	7,148.49	100.92	56.90	-96.70	-132.41	4,391.84	6,984.49	6,912.06	72.43	96.431		
10,400.00	6,987.19	7,336.89	7,149.78	103.60	56.90	-96.75	-132.41	4,391.80	7,082.93	7,010.32	72.62	97.535		
10,500.00	6,986.23	7,338.17	7,151.06	106.28	56.90	-96.81	-132.41	4,391.76	7,181.42	7,108.62	72.81	98.637		
10,600.00	6,985.26	7,339.43	7,152.32	108.98	56.91	-96.87	-132.41	4,391.72	7,279.95	7,206.96	72.99	99.736		
10,700.00	6,984.30	7,340.68	7,153.56	111.68	56.91	-96.93	-132.41	4,391.69	7,378.52	7,305.34	73.18	100.833		
10,800.00	6,983.33	7,341.91	7,154.79	114.38	56.91	-96.99	-132.41	4,391.65	7,477.13	7,403.77	73.36	101.928		
10,900.00	6,982.37	7,343.13	7,156.01	117.09	56.92	-97.04	-132.40	4,391.61	7,575.77	7,502.23	73.54	103.020		
11,000.00	6,981.40	7,344.34	7,157.22	119.81	56.92	-97.10	-132.40	4,391.58	7,674.45	7,600.73	73.71	104.110		
11,100.00	6,980.44	7,345.53	7,158.41	122.54	56.92	-97.15	-132.40	4,391.54	7,773.16	7,699.27	73.89	105.198		
11,200.00	6,979.47	7,346.71	7,159.60	125.26	56.93	-97.21	-132.40	4,391.51	7,871.90	7,797.83	74.06	106.284		
11,300.00	6,978.51	7,347.88	7,160.76	128.00	56.93	-97.26	-132.40	4,391.47	7,970.67	7,896.43	74.24	107.367		
11,400.00	6,977.54	7,349.04	7,161.92	130.73	56.93	-97.31	-132.40	4,391.44	8,069.48	7,995.07	74.41	108.448		
11,500.00	6,976.58	7,350.18	7,163.07	133.48	56.93	-97.37	-132.40	4,391.41	8,168.31	8,093.73	74.58	109.528		
11,600.00	6,975.62	7,351.32	7,164.20	136.22	56.94	-97.42	-132.40	4,391.37	8,267.17	8,192.42	74.75	110.605		
11,700.00	6,974.65	7,352.44	7,165.32	138.97	56.94	-97.47	-132.40	4,391.34	8,366.06	8,291.15	74.91	111.679		
11,800.00	6,973.69	7,353.55	7,166.43	141.73	56.94	-97.52	-132.40	4,391.31	8,464.97	8,389.89	75.08	112.752		
11,900.00	6,972.72	7,354.65	7,167.53	144.48	56.94	-97.57	-132.40	4,391.28	8,563.91	8,488.67	75.24	113.823		
12,000.00	6,971.76	7,355.74	7,168.61	147.24	56.95	-97.62	-132.40	4,391.25	8,662.87	8,587.47	75.40	114.891		
12,100.00	6,970.79	7,356.81	7,169.69	150.00	56.95	-97.67	-132.39	4,391.22	8,761.86	8,686.29	75.56	115.957		
12,200.00	6,969.83	7,357.88	7,170.76	152.77	56.95	-97.72	-132.39	4,391.19	8,860.86	8,785.14	75.72	117.021		
12,300.00	6,968.86	7,358.93	7,171.81	155.54	56.95	-97.77	-132.39	4,391.16	8,959.89	8,884.02	75.88	118.083		
12,400.00	6,967.90	7,359.98	7,172.86	158.31	56.96	-97.82	-132.39	4,391.13	9,058.95	8,982.91	76.03	119.143		
12,500.00	6,966.93	7,361.01	7,173.89	161.08	56.96	-97.86	-132.39	4,391.10	9,158.02	9,081.83	76.19	120.201		
12,600.00	6,965.97	7,362.04	7,174.91	163.85	56.96	-97.91	-132.39	4,391.07	9,257.11	9,180.76	76.34	121.256		
12,700.00	6,965.00	7,363.05	7,175.93	166.63	56.96	-97.96	-132.39	4,391.04	9,356.22	9,279.72	76.50	122.310		
12,800.00	6,964.04	7,364.06	7,176.93	169.41	56.97	-98.00	-132.39	4,391.01	9,455.35	9,378.70	76.65	123.361		
12,900.00	6,963.07	7,365.05	7,177.93	172.19	56.97	-98.05	-132.39	4,390.98	9,554.49	9,477.70	76.80	124.410		
13,000.00	6,962.11	7,366.04	7,178.91	174.97	56.97	-98.09	-132.39	4,390.96	9,653.66	9,576.71	76.95	125.457		
13,100.00	6,961.14	7,367.01	7,179.89	177.76	56.97	-98.14	-132.39	4,390.93	9,752.84	9,675.74	77.10	126.502		
13,200.00	6,960.18	7,367.98	7,180.85	180.54	56.98	-98.18	-132.38	4,390.90	9,852.04	9,774.79	77.24	127.544		
13,300.00	6,959.21	7,368.94	7,181.81	183.33	56.98	-98.23	-132.38	4,390.88	9,951.25	9,873.86	77.39	128.584		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	1,265.13	1,244.11	3.28	9.84	98.58	-815.01	5,401.55	5,613.89					
100.00	100.00	1,428.45	1,399.49	3.28	11.78	98.93	-841.88	5,359.04	5,590.10	5,577.39	12.71	439.700		
200.00	200.00	1,480.29	1,448.74	3.34	12.41	99.04	-850.71	5,345.47	5,566.36	5,553.19	13.17	422.537		
300.00	300.00	1,536.13	1,501.78	3.44	13.07	99.17	-860.74	5,331.20	5,543.42	5,529.69	13.73	403.805		
400.00	399.98	1,600.00	1,562.62	3.60	13.81	99.17	-871.98	5,315.34	5,520.16	5,505.75	14.41	382.988		
500.00	499.84	1,681.07	1,639.97	3.81	14.71	99.17	-886.07	5,295.54	5,495.33	5,480.05	15.28	359.589		
600.00	599.45	1,768.00	1,723.31	4.05	15.69	99.17	-906.76	5,270.39	5,468.20	5,460.14	16.25	338.585		
700.00	698.70	1,860.00	1,811.79	4.33	16.73	99.17	-933.64	5,241.88	5,437.69	5,419.48	17.25	319.450		
800.00	797.47	1,956.15	1,903.43	4.64	17.81	99.17	-963.59	5,205.01	5,405.95	5,386.89	18.25	302.572		
900.00	897.58	2,053.69	2,003.51	4.98	18.93	99.17	-995.87	5,164.89	5,372.08	5,352.02	19.25	287.794		
1,000.00	993.42	2,153.16	2,102.03	5.33	20.09	99.17	-1,030.63	5,119.41	5,339.16	5,318.23	20.25	275.032		
1,100.00	1,091.22	2,253.16	2,195.51	5.71	21.28	99.17	-1,067.71	5,070.51	5,306.24	5,284.44	21.25	264.396		
1,200.00	1,189.02	2,353.04	2,291.06	6.11	22.49	99.17	-1,107.50	5,017.91	5,274.14	5,251.48	22.25	255.746		
1,300.00	1,286.82	2,452.86	2,389.14	6.53	23.71	99.17	-1,149.48	4,960.56	5,242.13	5,217.59	23.25	248.632		
1,400.00	1,384.62	2,552.69	2,487.99	6.95	24.93	99.17	-1,192.02	4,900.45	5,209.17	5,183.62	24.25	242.875		
1,500.00	1,482.42	2,652.00	2,587.68	7.38	26.16	99.17	-1,235.35	4,837.18	5,177.21	5,150.69	25.25	238.232		
1,600.00	1,580.22	2,751.64	2,687.21	7.83	27.41	99.17	-1,279.96	4,770.27	5,143.43	5,114.13	26.25	234.512		
1,700.00	1,678.03	2,851.38	2,787.08	8.27	28.66	99.17	-1,325.57	4,700.05	5,108.31	5,077.16	27.25	231.619		
1,800.00	1,775.83	2,951.71	2,887.41	8.72	29.91	99.17	-1,372.12	4,627.02	5,072.45	5,039.44	28.25	229.674		
1,900.00	1,873.63	3,052.45	2,988.07	9.18	31.16	99.17	-1,419.12	4,551.87	5,036.34	5,002.13	29.25	228.675		
2,000.00	1,971.43	3,153.91	3,089.65	9.64	32.41	99.17	-1,466.29	4,474.20	5,001.14	4,965.92	30.25	228.613		
2,100.00	2,069.23	3,255.59	3,191.33	10.11	33.66	99.17	-1,513.26	4,394.31	4,966.44	4,929.47	31.25	229.519		
2,200.00	2,167.03	3,357.24	3,293.01	10.57	34.91	99.17	-1,560.66	4,312.74	4,931.91	4,893.96	32.25	231.389		
2,300.00	2,264.83	3,459.00	3,394.78	11.04	36.16	99.17	-1,608.60	4,229.29	4,898.41	4,859.33	33.25	234.232		
2,400.00	2,362.63	3,561.21	3,496.85	11.52	37.41	99.17	-1,656.63	4,144.13	4,864.46	4,823.70	34.25	238.046		
2,500.00	2,460.43	3,663.48	3,598.93	11.99	38.66	99.17	-1,704.94	4,057.38	4,825.48	4,779.03	35.25	242.828		
2,600.00	2,558.23	3,765.24	3,699.34	12.47	39.91	99.17	-1,753.93	3,969.84	4,785.30	4,737.17	36.25	248.574		
2,700.00	2,656.03	3,867.00	3,799.34	12.94	41.16	99.17	-1,803.86	3,880.88	4,745.97	4,696.58	37.25	255.289		
2,800.00	2,753.83	3,968.81	3,899.99	13.42	42.41	99.17	-1,854.95	3,790.79	4,707.86	4,657.26	38.25	263.048		
2,900.00	2,851.63	4,070.00	3,999.33	13.90	43.66	99.17	-1,906.53	3,700.43	4,670.98	4,619.10	39.25	271.844		
3,000.00	2,949.43	4,171.26	4,099.46	14.38	44.91	99.17	-1,958.14	3,609.41	4,634.60	4,580.64	40.25	281.684		
3,100.00	3,047.23	4,272.75	4,199.02	14.87	46.16	99.17	-2,010.19	3,517.79	4,598.47	4,542.89	41.25	292.576		
3,200.00	3,145.03	4,374.64	4,298.28	15.35	47.41	99.17	-2,062.94	3,425.07	4,563.16	4,506.15	42.25	304.510		
3,300.00	3,242.83	4,476.33	4,397.13	15.83	48.66	99.17	-2,116.65	3,331.16	4,529.08	4,470.73	43.25	317.585		
3,400.00	3,340.63	4,578.00	4,495.03	16.32	49.91	99.17	-2,171.15	3,236.57	4,496.26	4,436.57	44.25	331.809		
3,500.00	3,438.43	4,679.31	4,593.25	16.80	51.16	99.17	-2,226.83	3,141.45	4,464.69	4,403.59	45.25	347.183		
3,600.00	3,536.23	4,780.00	4,691.02	17.29	52.41	99.17	-2,283.94	3,045.49	4,434.37	4,371.69	46.25	363.716		
3,700.00	3,634.03	4,881.96	4,788.75	17.78	53.66	99.17	-2,342.65	2,948.06	4,405.19	4,341.26	47.25	381.409		
3,800.00	3,731.83	4,983.18	4,885.97	18.26	54.91	99.17	-2,402.94	2,850.21	4,377.19	4,311.82	48.25	400.262		
3,900.00	3,829.63	5,084.77	4,987.19	18.75	56.16	99.17	-2,464.94	2,751.04	4,350.21	4,283.35	49.25	420.286		
4,000.00	3,927.43	5,186.00	5,088.06	19.24	57.41	99.17	-2,528.11	2,650.24	4,324.02	4,255.84	50.25	441.489		
4,100.00	4,025.23	5,287.43	5,188.56	19.73	58.66	99.17	-2,592.71	2,548.73	4,298.98	4,229.60	51.25	463.871		
4,200.00	4,123.03	5,388.00	5,288.11	20.22	59.91	99.17	-2,658.94	2,446.73	4,275.38	4,204.82	52.25	487.449		
4,300.00	4,220.83	5,488.54	5,387.25	20.71	61.16	99.17	-2,726.94	2,344.21	4,253.83	4,181.07	53.25	512.226		
4,400.00	4,318.63	5,589.17	5,486.08	21.20	62.41	99.17	-2,796.94	2,241.21	4,230.83	4,157.89	54.25	538.210		
4,500.00	4,416.43	5,689.58	5,584.28	21.69	63.66	99.17	-2,868.94	2,137.76	4,209.94	4,135.92	55.25	565.316		
4,600.00	4,514.23	5,789.97	5,681.75	22.18	64.91	99.17	-2,942.97	2,033.89	4,190.26	4,115.23	56.25	593.561		
4,700.00	4,612.03	5,890.47	5,778.55	22.67	66.16	99.17	-3,019.33	1,929.60	4,171.94	4,095.94	57.25	622.982		
4,800.00	4,709.83	5,990.00	5,874.64	23.16	67.41	99.17	-3,097.92	1,824.94	4,155.02	4,078.11	58.25	653.596		
4,900.00	4,807.63	6,089.70	5,969.68	23.65	68.66	99.17	-3,178.98	1,719.94	4,139.33	4,061.48	59.25	685.416		
5,000.00	4,905.43	6,189.00	6,064.64	24.14	69.91	99.17	-3,262.94	1,614.57	4,124.98	4,046.25	60.25	718.449		
5,100.00	5,003.23	6,288.42	6,159.63	24.63	71.16	99.17	-3,349.94	1,508.73	4,111.72	4,032.09	61.25	752.704		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,526.91	5,289.84	25.12	64.28	74.23	-1,404.74	4,238.54	4,099.50	4,019.02	80.48	50.938		
5,300.00	5,198.83	5,587.47	5,350.19	25.62	64.42	74.45	-1,406.42	4,233.79	4,088.28	4,006.97	81.31	50.278		
5,400.00	5,296.63	5,647.60	5,410.17	26.11	64.55	74.67	-1,407.92	4,229.79	4,078.07	3,995.94	82.13	49.656		
5,500.00	5,394.43	5,700.00	5,462.47	26.60	64.65	74.86	-1,409.12	4,226.86	4,068.87	3,985.96	82.91	49.076		
5,600.00	5,492.23	5,765.58	5,527.99	27.09	64.77	75.08	-1,410.27	4,224.12	4,060.69	3,977.00	83.69	48.519		
5,700.00	5,590.03	5,834.71	5,597.09	27.58	64.89	75.29	-1,410.90	4,222.39	4,053.53	3,969.06	84.47	47.989		
5,800.00	5,687.83	5,917.34	5,679.71	28.08	65.02	75.55	-1,411.33	4,220.91	4,046.91	3,961.65	85.26	47.468		
5,900.00	5,785.63	5,993.59	5,755.95	28.57	65.14	75.77	-1,411.63	4,220.03	4,040.85	3,954.82	86.03	46.972		
6,000.00	5,883.43	6,086.18	5,848.53	29.06	65.29	76.05	-1,411.96	4,219.36	4,035.23	3,948.41	86.83	46.475		
6,100.00	5,981.23	6,174.11	5,936.46	29.56	65.44	76.31	-1,412.28	4,218.87	4,029.88	3,942.26	87.61	45.996		
6,200.00	6,079.04	6,261.26	6,023.61	30.05	65.58	76.57	-1,412.64	4,218.64	4,024.88	3,936.48	88.40	45.530		
6,300.00	6,176.84	6,356.61	6,118.96	30.54	65.74	76.85	-1,413.08	4,218.59	4,020.20	3,930.99	89.20	45.067		
6,409.71	6,284.13	6,465.07	6,227.42	31.08	65.92	77.17	-1,413.52	4,218.52	4,015.13	3,925.04	90.09	44.566		
6,445.41	6,319.18	6,499.86	6,262.21	31.25	65.98	89.42	-1,413.61	4,218.53	4,014.32	3,923.94	90.37	44.419 CC		
6,450.00	6,323.71	6,504.35	6,266.70	31.28	65.99	91.39	-1,413.62	4,218.53	4,014.33	3,923.92	90.41	44.402 ES		
6,500.00	6,373.15	6,547.15	6,309.50	31.50	66.07	119.09	-1,413.70	4,218.61	4,016.26	3,925.50	90.76	44.253		
6,550.00	6,422.65	6,590.52	6,352.87	31.70	66.14	150.51	-1,413.78	4,218.78	4,021.42	3,930.35	91.07	44.157		
6,600.00	6,471.92	6,638.66	6,401.01	31.89	66.23	172.43	-1,413.85	4,219.03	4,029.74	3,938.38	91.36	44.108		
6,650.00	6,520.65	6,687.66	6,450.01	32.07	66.31	-174.66	-1,413.94	4,219.27	4,041.13	3,949.50	91.63	44.104 SF		
6,700.00	6,568.54	6,740.69	6,503.04	32.25	66.41	-166.59	-1,414.04	4,219.50	4,055.49	3,963.61	91.88	44.138		
6,750.00	6,615.30	6,794.14	6,556.49	32.43	66.50	-160.98	-1,414.05	4,219.69	4,072.68	3,980.56	92.11	44.214		
6,800.00	6,660.63	6,830.08	6,592.43	32.61	66.56	-156.63	-1,414.05	4,219.82	4,092.68	4,000.39	92.29	44.347		
6,850.00	6,704.26	6,862.63	6,624.98	32.80	66.62	-152.94	-1,414.14	4,219.99	4,115.50	4,023.07	92.44	44.523		
6,900.00	6,745.92	6,893.61	6,655.96	33.00	66.68	-149.56	-1,414.29	4,220.20	4,141.00	4,048.44	92.56	44.738		
6,950.00	6,785.34	6,900.00	6,662.35	33.21	66.69	-146.13	-1,414.33	4,220.25	4,169.11	4,076.50	92.61	45.019		
7,000.00	6,822.30	6,900.00	6,662.35	33.44	66.69	-142.55	-1,414.33	4,220.25	4,199.80	4,107.18	92.62	45.347		
7,050.00	6,856.55	6,900.00	6,662.35	33.69	66.69	-138.71	-1,414.33	4,220.25	4,232.83	4,140.23	92.61	45.708		
7,100.00	6,887.90	6,900.00	6,662.35	33.97	66.69	-134.50	-1,414.33	4,220.25	4,267.96	4,175.38	92.58	46.100		
7,150.00	6,916.14	6,900.00	6,662.35	34.28	66.69	-129.82	-1,414.33	4,220.25	4,304.92	4,212.37	92.55	46.516		
7,200.00	6,941.10	6,900.00	6,662.35	34.62	66.69	-124.62	-1,414.33	4,220.25	4,343.43	4,250.93	92.51	46.953		
7,250.00	6,962.63	6,900.00	6,662.35	35.00	66.69	-118.85	-1,414.33	4,220.25	4,383.22	4,290.76	92.46	47.404		
7,300.00	6,980.59	6,900.00	6,662.35	35.43	66.69	-112.53	-1,414.33	4,220.25	4,424.02	4,331.60	92.42	47.867		
7,350.00	6,994.88	6,900.00	6,662.35	35.89	66.69	-105.76	-1,414.33	4,220.25	4,465.54	4,373.16	92.39	48.336		
7,400.00	7,005.41	6,900.00	6,662.35	36.39	66.69	-98.69	-1,414.33	4,220.25	4,507.52	4,415.17	92.35	48.806		
7,450.00	7,012.10	6,900.00	6,662.35	36.93	66.69	-91.56	-1,414.33	4,220.25	4,549.69	4,457.36	92.33	49.275		
7,500.00	7,014.93	6,900.00	6,662.35	37.50	66.69	-84.61	-1,414.33	4,220.25	4,591.78	4,499.46	92.32	49.739		
7,517.56	7,015.00	6,900.00	6,662.35	37.70	66.69	-82.26	-1,414.33	4,220.25	4,606.50	4,514.18	92.32	49.900		
7,600.00	7,014.21	6,900.00	6,662.35	38.74	66.69	-82.26	-1,414.33	4,220.25	4,675.70	4,583.38	92.33	50.643		
7,700.00	7,013.24	6,900.00	6,662.35	40.15	66.69	-82.26	-1,414.33	4,220.25	4,760.21	4,667.83	92.38	51.528		
7,800.00	7,012.28	6,900.00	6,662.35	41.71	66.69	-82.26	-1,414.33	4,220.25	4,845.32	4,752.84	92.47	52.398		
7,900.00	7,011.31	6,900.00	6,662.35	43.40	66.69	-82.26	-1,414.33	4,220.25	4,930.98	4,838.38	92.59	53.254		
8,000.00	7,010.35	6,900.00	6,662.35	45.21	66.69	-82.26	-1,414.33	4,220.25	5,017.17	4,924.42	92.74	54.097		
8,100.00	7,009.38	6,900.00	6,662.35	47.12	66.69	-82.26	-1,414.33	4,220.25	5,103.86	5,010.94	92.92	54.930		
8,200.00	7,008.42	6,900.00	6,662.35	49.12	66.69	-82.26	-1,414.33	4,220.25	5,191.03	5,097.92	93.11	55.753		
8,300.00	7,007.45	6,900.00	6,662.35	51.21	66.69	-82.26	-1,414.33	4,220.25	5,278.66	5,185.34	93.32	56.567		
8,400.00	7,006.49	6,900.00	6,662.35	53.36	66.69	-82.26	-1,414.33	4,220.25	5,366.72	5,273.18	93.54	57.374		
8,500.00	7,005.52	6,900.00	6,662.35	55.57	66.69	-82.26	-1,414.33	4,220.25	5,455.19	5,361.42	93.77	58.175		
8,600.00	7,004.56	6,900.00	6,662.35	57.84	66.69	-82.26	-1,414.33	4,220.25	5,544.06	5,450.04	94.01	58.971		
8,700.00	7,003.59	6,900.00	6,662.35	60.16	66.69	-82.26	-1,414.33	4,220.25	5,633.29	5,539.03	94.26	59.762		
8,800.00	7,002.63	6,900.00	6,662.35	62.52	66.69	-82.26	-1,414.33	4,220.25	5,722.89	5,628.37	94.52	60.550		
8,900.00	7,001.66	6,900.00	6,662.35	64.92	66.69	-82.26	-1,414.33	4,220.25	5,812.82	5,718.05	94.77	61.334		
9,000.00	7,000.70	6,900.00	6,662.35	67.35	66.69	-82.26	-1,414.33	4,220.25	5,903.08	5,808.04	95.03	62.115		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	6,900.00	6,662.35	69.81	66.69	-82.26	-1,414.33	4,220.25	5,993.64	5,898.34	95.30	62.894		
9,200.00	6,998.77	6,900.00	6,662.35	72.31	66.69	-82.26	-1,414.33	4,220.25	6,084.50	5,988.94	95.56	63.672		
9,300.00	6,997.80	6,900.00	6,662.35	74.82	66.69	-82.26	-1,414.33	4,220.25	6,175.65	6,079.82	95.82	64.448		
9,400.00	6,996.84	6,900.00	6,662.35	77.36	66.69	-82.26	-1,414.33	4,220.25	6,267.06	6,170.97	96.09	65.222		
9,500.00	6,995.88	6,900.00	6,662.35	79.92	66.69	-82.26	-1,414.33	4,220.25	6,358.73	6,262.38	96.35	65.996		
9,600.00	6,994.91	6,900.00	6,662.35	82.49	66.69	-82.26	-1,414.33	4,220.25	6,450.65	6,354.04	96.61	66.769		
9,700.00	6,993.95	6,900.00	6,662.35	85.09	66.69	-82.26	-1,414.33	4,220.25	6,542.81	6,445.94	96.87	67.542		
9,800.00	6,992.98	6,900.00	6,662.35	87.70	66.69	-82.26	-1,414.33	4,220.25	6,635.19	6,538.06	97.13	68.314		
9,900.00	6,992.02	6,900.00	6,662.35	90.32	66.69	-82.26	-1,414.33	4,220.25	6,727.79	6,630.41	97.38	69.086		
10,000.00	6,991.05	6,900.00	6,662.35	92.95	66.69	-82.26	-1,414.33	4,220.25	6,820.60	6,722.97	97.63	69.859		
10,100.00	6,990.09	6,900.00	6,662.35	95.60	66.69	-82.26	-1,414.33	4,220.25	6,913.62	6,815.73	97.88	70.631		
10,200.00	6,989.12	6,900.00	6,662.35	98.26	66.69	-82.26	-1,414.33	4,220.25	7,006.82	6,908.69	98.13	71.403		
10,300.00	6,988.16	6,900.00	6,662.35	100.92	66.69	-82.26	-1,414.33	4,220.25	7,100.21	7,001.83	98.37	72.175		
10,400.00	6,987.19	6,900.00	6,662.35	103.60	66.69	-82.26	-1,414.33	4,220.25	7,193.77	7,095.16	98.62	72.948		
10,500.00	6,986.23	6,900.00	6,662.35	106.28	66.69	-82.26	-1,414.33	4,220.25	7,287.51	7,188.66	98.85	73.721		
10,600.00	6,985.26	6,900.00	6,662.35	108.98	66.69	-82.26	-1,414.33	4,220.25	7,381.41	7,282.33	99.09	74.494		
10,700.00	6,984.30	6,900.00	6,662.35	111.68	66.69	-82.26	-1,414.33	4,220.25	7,475.47	7,376.15	99.32	75.268		
10,800.00	6,983.33	6,900.00	6,662.35	114.38	66.69	-82.26	-1,414.33	4,220.25	7,569.68	7,470.14	99.55	76.042		
10,900.00	6,982.37	6,900.00	6,662.35	117.09	66.69	-82.26	-1,414.33	4,220.25	7,664.04	7,564.27	99.77	76.816		
11,000.00	6,981.40	6,900.00	6,662.35	119.81	66.69	-82.26	-1,414.33	4,220.25	7,758.54	7,658.55	99.99	77.591		
11,100.00	6,980.44	6,900.00	6,662.35	122.54	66.69	-82.26	-1,414.33	4,220.25	7,853.18	7,752.97	100.21	78.366		
11,200.00	6,979.47	6,900.00	6,662.35	125.26	66.69	-82.26	-1,414.33	4,220.25	7,947.95	7,847.52	100.43	79.141		
11,300.00	6,978.51	6,900.00	6,662.35	128.00	66.69	-82.26	-1,414.33	4,220.25	8,042.84	7,942.20	100.64	79.917		
11,400.00	6,977.54	6,900.00	6,662.35	130.73	66.69	-82.26	-1,414.33	4,220.25	8,137.86	8,037.01	100.85	80.693		
11,500.00	6,976.58	6,900.00	6,662.35	133.48	66.69	-82.26	-1,414.33	4,220.25	8,232.99	8,131.94	101.06	81.470		
11,600.00	6,975.62	6,900.00	6,662.35	136.22	66.69	-82.26	-1,414.33	4,220.25	8,328.24	8,226.98	101.26	82.246		
11,700.00	6,974.65	6,900.00	6,662.35	138.97	66.69	-82.26	-1,414.33	4,220.25	8,423.60	8,322.14	101.46	83.023		
11,800.00	6,973.69	6,900.00	6,662.35	141.73	66.69	-82.26	-1,414.33	4,220.25	8,519.06	8,417.41	101.66	83.801		
11,900.00	6,972.72	6,900.00	6,662.35	144.48	66.69	-82.26	-1,414.33	4,220.25	8,614.63	8,512.78	101.85	84.579		
12,000.00	6,971.76	6,900.00	6,662.35	147.24	66.69	-82.26	-1,414.33	4,220.25	8,710.30	8,608.25	102.05	85.357		
12,100.00	6,970.79	6,900.00	6,662.35	150.00	66.69	-82.26	-1,414.33	4,220.25	8,806.06	8,703.83	102.24	86.135		
12,200.00	6,969.83	6,900.00	6,662.35	152.77	66.69	-82.26	-1,414.33	4,220.25	8,901.92	8,799.50	102.42	86.913		
12,300.00	6,968.86	6,900.00	6,662.35	155.54	66.69	-82.26	-1,414.33	4,220.25	8,997.87	8,895.26	102.61	87.692		
12,400.00	6,967.90	6,900.00	6,662.35	158.31	66.69	-82.26	-1,414.33	4,220.25	9,093.90	8,991.11	102.79	88.470		
12,500.00	6,966.93	6,900.00	6,662.35	161.08	66.69	-82.26	-1,414.33	4,220.25	9,190.02	9,087.05	102.97	89.249		
12,600.00	6,965.97	6,900.00	6,662.35	163.85	66.69	-82.26	-1,414.33	4,220.25	9,286.22	9,183.08	103.15	90.028		
12,700.00	6,965.00	6,900.00	6,662.35	166.63	66.69	-82.26	-1,414.33	4,220.25	9,382.50	9,279.18	103.32	90.808		
12,800.00	6,964.04	6,900.00	6,662.35	169.41	66.69	-82.26	-1,414.33	4,220.25	9,478.86	9,375.37	103.50	91.587		
12,900.00	6,963.07	6,900.00	6,662.35	172.19	66.69	-82.26	-1,414.33	4,220.25	9,575.29	9,471.63	103.67	92.366		
13,000.00	6,962.11	6,900.00	6,662.35	174.97	66.69	-82.26	-1,414.33	4,220.25	9,671.80	9,567.96	103.84	93.145		
13,100.00	6,961.14	6,900.00	6,662.35	177.76	66.69	-82.26	-1,414.33	4,220.25	9,768.37	9,664.37	104.00	93.924		
13,200.00	6,960.18	6,900.00	6,662.35	180.54	66.69	-82.26	-1,414.33	4,220.25	9,865.02	9,760.85	104.17	94.704		
13,300.00	6,959.21	6,900.00	6,662.35	183.33	66.69	-82.26	-1,414.33	4,220.25	9,961.73	9,857.40	104.33	95.483		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	92.33	-20.76	510.82	511.29					
100.00	100.00	99.82	99.81	3.28	3.29	92.36	-21.00	510.14	510.62	504.04	6.57	77.686		
200.00	200.00	202.67	202.65	3.34	3.33	92.42	-21.49	508.36	508.91	502.24	6.67	76.259		
300.00	300.00	301.56	301.52	3.44	3.44	92.53	-22.33	506.36	506.92	500.04	6.89	73.624		
400.00	399.98	400.03	399.98	3.60	3.59	92.53	-22.90	505.04	504.39	497.20	7.20	70.095		
500.00	499.84	503.48	503.40	3.81	3.80	92.53	-23.18	503.22	499.01	491.40	7.61	65.596		
600.00	599.45	607.39	607.29	4.05	4.06	92.53	-23.33	500.57	490.50	482.40	8.10	60.554		
700.00	698.70	704.36	704.21	4.33	4.32	92.53	-23.32	497.62	479.27	470.63	8.64	55.496		
800.00	797.47	803.31	803.12	4.64	4.62	92.53	-24.58	495.00	466.51	457.28	9.23	50.519		
902.00	897.58	899.77	899.52	4.98	4.93	92.53	-26.46	492.32	451.69	441.81	9.88	45.723		
1,000.00	993.42	992.80	992.53	5.33	5.24	92.53	-27.72	490.56	437.82	427.28	10.54	41.547		
1,100.00	1,091.22	1,092.89	1,092.59	5.71	5.59	92.53	-28.81	488.72	424.45	413.19	11.26	37.692		
1,200.00	1,189.02	1,197.69	1,197.33	6.11	5.98	92.53	-29.74	485.37	410.58	398.55	12.03	34.128		
1,300.00	1,286.82	1,288.95	1,288.52	6.53	6.32	92.53	-30.13	481.94	397.03	384.25	12.78	31.071		
1,400.00	1,384.62	1,382.71	1,382.26	6.95	6.66	92.53	-28.34	481.07	386.16	372.62	13.54	28.520		
1,500.00	1,482.42	1,485.19	1,484.65	7.38	7.03	92.53	-24.19	480.94	375.95	361.61	14.34	26.220		
1,600.00	1,580.22	1,585.47	1,584.74	7.83	7.40	92.53	-18.17	480.64	365.38	350.24	15.15	24.124		
1,700.00	1,678.03	1,692.04	1,690.97	8.27	7.80	92.53	-9.68	479.77	354.01	338.03	15.98	22.150		
1,800.00	1,775.83	1,788.51	1,786.81	8.72	8.17	92.53	1.24	480.18	342.51	325.70	16.81	20.376		
1,900.00	1,873.63	1,891.82	1,889.33	9.18	8.58	92.53	13.98	480.73	330.90	313.24	17.66	18.734		
2,000.00	1,971.43	1,998.10	1,994.45	9.64	9.02	92.53	29.54	479.85	317.13	298.61	18.53	17.119		
2,100.00	2,069.23	2,097.40	2,092.59	10.11	9.45	92.53	44.66	478.22	302.63	283.23	19.40	15.603		
2,200.00	2,167.03	2,196.30	2,190.35	10.57	9.89	92.53	59.45	476.28	288.29	268.01	20.28	14.218		
2,300.00	2,264.83	2,295.55	2,288.54	11.04	10.33	92.53	73.74	473.63	274.08	252.92	21.16	12.952		
2,400.00	2,362.63	2,394.99	2,386.93	11.52	10.79	92.53	87.69	470.20	259.98	237.93	22.05	11.791		
2,500.00	2,460.43	2,494.07	2,484.97	11.99	11.25	92.53	101.40	466.03	246.08	223.14	22.94	10.727		
2,600.00	2,558.23	2,592.67	2,582.52	12.47	11.71	92.53	114.98	461.39	232.69	208.86	23.84	9.763		
2,700.00	2,656.03	2,691.19	2,680.00	12.94	12.17	92.53	128.19	455.99	220.10	195.37	24.73	8.900		
2,800.00	2,753.83	2,789.24	2,777.00	13.42	12.64	92.53	141.22	450.06	208.58	182.96	25.63	8.140		
2,900.00	2,851.63	2,886.93	2,873.64	13.90	13.11	92.53	153.98	443.66	198.65	172.12	26.52	7.489		
3,000.00	2,949.43	2,984.45	2,970.11	14.38	13.58	92.53	166.54	436.95	190.71	163.29	27.42	6.954		
3,100.00	3,047.23	3,080.66	3,065.33	14.87	14.05	92.53	178.57	430.20	185.41	157.08	28.33	6.544		
3,200.00	3,145.03	3,180.61	3,164.27	15.35	14.53	92.53	191.40	424.33	182.52	153.30	29.23	6.245		
3,300.00	3,242.83	3,278.46	3,261.07	15.83	15.02	92.53	204.95	419.80	181.11	150.98	30.13	6.010		
3,308.88	3,251.51	3,287.12	3,269.64	15.88	15.06	92.53	206.14	419.36	181.10	150.89	30.21	5.994 CC, ES		
3,400.00	3,340.63	3,375.15	3,356.78	16.32	15.49	92.53	217.89	414.99	182.34	151.30	31.05	5.873		
3,500.00	3,438.43	3,472.92	3,453.58	16.80	15.97	92.53	230.62	409.96	186.15	154.18	31.97	5.823 SF		
3,600.00	3,536.23	3,569.26	3,549.01	17.29	16.45	92.53	242.77	404.72	192.52	159.63	32.89	5.854		
3,700.00	3,634.03	3,666.86	3,645.75	17.78	16.93	92.53	254.57	399.53	201.26	167.44	33.82	5.952		
3,800.00	3,731.83	3,765.27	3,743.26	18.26	17.41	92.53	266.71	394.03	211.55	176.80	34.76	6.087		
3,900.00	3,829.63	3,858.89	3,836.11	18.75	17.87	92.53	277.38	388.59	224.22	188.57	35.65	6.290		
4,000.00	3,927.43	3,948.71	3,925.39	19.24	18.29	92.53	285.26	382.81	240.57	204.12	36.45	6.600		
4,100.00	4,025.23	4,044.25	4,020.63	19.73	18.72	92.53	290.68	377.63	259.62	222.29	37.32	6.956		
4,200.00	4,123.03	4,130.74	4,107.03	20.22	19.08	92.53	292.03	374.19	281.38	243.41	37.97	7.411		
4,300.00	4,220.83	4,229.59	4,205.79	20.71	19.48	92.53	291.25	370.32	305.04	266.17	38.87	7.848		
4,400.00	4,318.63	4,326.51	4,302.67	21.20	19.86	92.53	290.34	367.36	328.35	288.64	39.71	8.268		
4,500.00	4,416.43	4,422.65	4,398.76	21.69	20.23	92.53	288.67	365.05	351.89	311.35	40.54	8.681		
4,600.00	4,514.23	4,522.28	4,498.35	22.18	20.62	92.53	287.17	362.53	375.37	333.94	41.43	9.061		
4,700.00	4,612.03	4,635.03	4,611.09	22.67	21.06	92.53	286.82	362.92	396.08	353.57	42.51	9.318		
4,800.00	4,709.83	4,733.26	4,709.31	23.16	21.44	92.53	287.35	364.51	415.39	372.04	43.35	9.582		
4,900.00	4,807.63	4,832.89	4,808.92	23.65	21.84	92.53	288.47	365.93	434.41	390.19	44.23	9.823		
5,000.00	4,905.43	4,930.76	4,906.77	24.14	22.23	92.53	289.94	367.08	453.34	408.26	45.08	10.056		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,028.19	5,004.18	24.63	22.63	175.32	291.43	367.97	472.41	426.48	45.93	10.285		
5,200.00	5,101.03	5,125.89	5,101.86	25.12	23.03	175.62	293.20	368.40	491.61	444.81	46.80	10.505		
5,300.00	5,198.83	5,223.17	5,199.13	25.62	23.44	175.93	295.05	368.60	510.91	463.25	47.66	10.720		
5,400.00	5,296.63	5,320.21	5,296.15	26.11	23.85	176.24	296.92	368.46	530.44	481.92	48.52	10.932		
5,500.00	5,394.43	5,417.64	5,393.55	26.60	24.26	176.57	298.98	367.96	550.11	500.72	49.39	11.137		
5,600.00	5,492.23	5,516.36	5,492.23	27.09	24.68	176.98	301.70	366.70	569.86	519.57	50.29	11.333		
5,700.00	5,590.03	5,611.56	5,587.39	27.58	25.08	177.32	304.20	365.74	589.54	538.41	51.12	11.531		
5,800.00	5,687.83	5,707.51	5,683.34	28.08	25.47	177.35	303.96	366.47	610.03	558.07	51.96	11.741		
5,900.00	5,785.63	5,806.85	5,782.67	28.57	25.87	177.42	304.22	367.05	630.28	577.45	52.83	11.930		
6,000.00	5,883.43	5,904.35	5,880.17	29.06	26.27	177.55	305.09	367.02	650.52	596.82	53.70	12.115		
6,100.00	5,981.23	6,000.99	5,976.80	29.56	26.68	177.74	306.35	366.43	670.88	616.32	54.56	12.296		
6,200.00	6,079.04	6,098.87	6,074.66	30.05	27.10	177.98	307.96	365.27	691.39	635.95	55.44	12.471		
6,300.00	6,176.84	6,194.64	6,170.39	30.54	27.51	178.25	310.00	363.66	711.95	655.65	56.30	12.646		
6,409.71	6,284.13	6,298.98	6,274.70	31.08	27.94	178.49	311.62	361.84	734.99	677.77	57.22	12.845		
6,450.00	6,323.71	6,360.56	6,336.26	31.28	28.19	-167.07	311.24	362.70	742.37	684.57	57.80	12.843		
6,500.00	6,373.15	6,561.05	6,530.16	31.50	28.87	-143.36	303.46	407.59	741.77	683.25	58.51	12.677		
6,550.00	6,422.65	6,689.40	6,645.90	31.70	29.24	-117.54	297.66	462.39	733.82	675.56	58.26	12.597		
6,600.00	6,471.92	6,760.36	6,705.67	31.89	29.42	-100.65	295.29	500.56	719.60	661.15	58.44	12.313		
6,650.00	6,520.65	6,814.34	6,750.07	32.07	29.56	-92.79	294.15	531.24	703.49	644.65	58.83	11.957		
6,700.00	6,568.54	6,855.21	6,782.74	32.25	29.66	-89.69	293.14	555.77	686.52	627.09	59.43	11.552		
6,750.00	6,615.30	6,889.24	6,809.28	32.43	29.74	-89.08	292.16	577.04	669.60	609.52	60.09	11.144		
6,800.00	6,660.63	6,928.75	6,839.18	32.61	29.93	-90.61	291.10	602.84	653.40	592.66	60.74	10.757		
6,850.00	6,704.26	6,957.12	6,859.95	32.80	30.10	-92.18	290.58	622.16	638.58	577.09	61.48	10.386		
6,900.00	6,745.92	6,974.83	6,872.60	33.00	30.21	-93.25	290.37	634.55	626.04	563.82	62.22	10.062		
6,950.00	6,785.34	6,984.13	6,879.15	33.21	30.27	-93.70	290.29	641.16	616.42	553.55	62.87	9.805		
7,000.00	6,822.30	6,986.79	6,881.01	33.44	30.29	-93.51	290.27	643.06	610.12	546.76	63.36	9.630		
7,050.00	6,856.55	6,984.16	6,879.17	33.69	30.27	-92.71	290.29	641.18	607.34	543.69	63.65	9.542		
7,064.05	6,865.67	6,982.62	6,878.09	33.77	30.26	-92.39	290.30	640.08	607.20	543.50	63.70	9.532		
7,100.00	6,887.90	6,977.27	6,874.33	33.97	30.23	-91.36	290.35	636.28	608.10	544.36	63.74	9.540		
7,150.00	6,916.14	6,966.93	6,866.99	34.28	30.16	-89.52	290.46	628.99	612.28	548.64	63.64	9.621		
7,200.00	6,941.10	6,953.77	6,857.53	34.62	30.08	-87.25	290.63	619.84	619.60	556.22	63.39	9.775		
7,250.00	6,962.63	6,938.27	6,846.22	35.00	29.98	-84.64	290.90	609.25	629.74	566.71	63.03	9.991		
7,300.00	6,980.59	6,920.85	6,833.29	35.43	29.88	-81.75	291.28	597.58	642.28	579.65	62.63	10.256		
7,350.00	6,994.88	6,901.81	6,818.91	35.89	29.78	-78.68	291.78	585.11	656.79	594.58	62.22	10.556		
7,400.00	7,005.41	6,882.92	6,804.40	36.39	29.73	-75.62	292.36	573.03	672.87	610.97	61.90	10.870		
7,450.00	7,012.10	6,863.80	6,789.50	36.93	29.68	-72.58	292.91	561.06	690.17	628.48	61.69	11.188		
7,500.00	7,014.93	6,843.37	6,773.36	37.50	29.63	-69.56	293.44	548.55	708.28	646.73	61.55	11.508		
7,517.56	7,015.00	6,835.91	6,767.41	37.70	29.61	-68.51	293.62	544.05	714.77	653.25	61.52	11.619		
7,600.00	7,014.21	6,798.00	6,736.73	38.74	29.52	-66.04	294.44	521.81	748.13	686.82	61.31	12.203		
7,700.00	7,013.24	6,753.70	6,700.13	40.15	29.40	-63.20	295.47	496.87	795.22	734.04	61.18	12.997		
7,800.00	7,012.28	6,708.14	6,661.87	41.71	29.29	-60.33	296.95	472.18	848.39	787.36	61.03	13.901		
7,900.00	7,011.31	6,680.09	6,637.87	43.40	29.21	-58.60	298.03	457.71	907.26	845.81	61.45	14.765		
8,000.00	7,010.35	6,657.19	6,617.81	45.21	29.15	-57.19	298.97	446.69	971.59	909.65	61.95	15.684		
8,100.00	7,009.38	6,637.04	6,599.85	47.12	29.09	-55.96	299.83	437.60	1,040.59	978.16	62.44	16.667		
8,200.00	7,008.42	6,607.00	6,572.56	49.12	29.01	-54.14	301.18	425.14	1,113.72	1,051.11	62.61	17.789		
8,300.00	7,007.45	6,607.00	6,572.56	51.21	29.01	-54.14	301.18	425.14	1,189.87	1,126.49	63.38	18.773		
8,400.00	7,006.49	6,573.76	6,541.92	53.36	28.91	-52.19	302.80	412.34	1,268.69	1,205.30	63.39	20.013		
8,500.00	7,005.52	6,548.79	6,518.78	55.57	28.83	-50.76	304.13	403.07	1,349.60	1,286.07	63.54	21.241		
8,600.00	7,004.56	6,525.33	6,496.93	57.84	28.76	-49.46	305.46	394.62	1,432.30	1,368.62	63.68	22.491		
8,700.00	7,003.59	6,512.00	6,484.48	60.16	28.72	-48.73	306.26	389.94	1,516.59	1,452.64	63.95	23.714		
8,800.00	7,002.63	6,512.00	6,484.48	62.52	28.72	-48.73	306.26	389.94	1,602.60	1,538.24	64.36	24.901		
8,900.00	7,001.66	6,512.00	6,484.48	64.92	28.72	-48.73	306.26	389.94	1,690.14	1,625.45	64.70	26.125		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,512.00	6,484.48	67.35	28.72	-48.73	306.26	389.94	1,779.00	1,714.02	64.98	27.379		
9,100.00	6,999.73	6,512.00	6,484.48	69.81	28.72	-48.73	306.26	389.94	1,868.99	1,803.77	65.21	28.660		
9,200.00	6,998.77	6,512.00	6,484.48	72.31	28.72	-48.73	306.26	389.94	1,959.94	1,894.53	65.41	29.962		
9,300.00	6,997.80	6,512.00	6,484.48	74.82	28.72	-48.73	306.26	389.94	2,051.74	1,986.16	65.58	31.284		
9,400.00	6,996.84	6,470.57	6,445.04	77.36	28.58	-46.53	308.44	377.51	2,141.74	2,076.33	65.41	32.744		
9,500.00	6,995.88	6,466.65	6,441.24	79.92	28.57	-46.33	308.61	376.55	2,234.43	2,168.90	65.53	34.097		
9,600.00	6,994.91	6,463.00	6,437.69	82.49	28.56	-46.15	308.77	375.68	2,327.69	2,262.05	65.64	35.461		
9,700.00	6,993.95	6,459.59	6,434.38	85.09	28.54	-45.97	308.91	374.90	2,421.44	2,355.71	65.74	36.835		
9,800.00	6,992.98	6,417.00	6,392.48	87.70	28.40	-43.88	310.24	367.52	2,517.90	2,452.32	65.58	38.393		
9,900.00	6,992.02	6,417.00	6,392.48	90.32	28.40	-43.88	310.24	367.52	2,612.18	2,546.48	65.70	39.762		
10,000.00	6,991.05	6,417.00	6,392.48	92.95	28.40	-43.88	310.24	367.52	2,706.86	2,641.07	65.80	41.139		
10,100.00	6,990.09	6,417.00	6,392.48	95.60	28.40	-43.88	310.24	367.52	2,801.92	2,736.03	65.89	42.524		
10,200.00	6,989.12	6,417.00	6,392.48	98.26	28.40	-43.88	310.24	367.52	2,897.31	2,831.34	65.97	43.916		
10,300.00	6,988.16	6,417.00	6,392.48	100.92	28.40	-43.88	310.24	367.52	2,993.00	2,926.95	66.05	45.314		
10,400.00	6,987.19	6,417.00	6,392.48	103.60	28.40	-43.88	310.24	367.52	3,088.97	3,022.84	66.12	46.717		
10,500.00	6,986.23	6,417.00	6,392.48	106.28	28.40	-43.88	310.24	367.52	3,185.18	3,118.99	66.19	48.124		
10,600.00	6,985.26	6,417.00	6,392.48	108.98	28.40	-43.88	310.24	367.52	3,281.62	3,215.37	66.25	49.535		
10,700.00	6,984.30	6,417.00	6,392.48	111.68	28.40	-43.88	310.24	367.52	3,378.26	3,311.96	66.31	50.949		
10,800.00	6,983.33	6,417.00	6,392.48	114.38	28.40	-43.88	310.24	367.52	3,475.10	3,408.74	66.36	52.366		
10,900.00	6,982.37	6,417.00	6,392.48	117.09	28.40	-43.88	310.24	367.52	3,572.11	3,505.69	66.41	53.785		
11,000.00	6,981.40	6,417.00	6,392.48	119.81	28.40	-43.88	310.24	367.52	3,669.28	3,602.81	66.46	55.206		
11,100.00	6,980.44	6,417.00	6,392.48	122.54	28.40	-43.88	310.24	367.52	3,766.60	3,700.08	66.51	56.629		
11,200.00	6,979.47	6,417.00	6,392.48	125.26	28.40	-43.88	310.24	367.52	3,864.05	3,797.49	66.56	58.053		
11,300.00	6,978.51	6,417.00	6,392.48	128.00	28.40	-43.88	310.24	367.52	3,961.64	3,895.03	66.61	59.477		
11,400.00	6,977.54	6,417.00	6,392.48	130.73	28.40	-43.88	310.24	367.52	4,059.34	3,992.68	66.65	60.903		
11,500.00	6,976.58	6,417.00	6,392.48	133.48	28.40	-43.88	310.24	367.52	4,157.14	4,090.45	66.70	62.328		
11,600.00	6,975.62	6,417.00	6,392.48	136.22	28.40	-43.88	310.24	367.52	4,255.06	4,188.31	66.74	63.754		
11,700.00	6,974.65	6,417.00	6,392.48	138.97	28.40	-43.88	310.24	367.52	4,353.06	4,286.28	66.79	65.179		
11,800.00	6,973.69	6,417.00	6,392.48	141.73	28.40	-43.88	310.24	367.52	4,451.16	4,384.33	66.83	66.604		
11,900.00	6,972.72	6,417.00	6,392.48	144.48	28.40	-43.88	310.24	367.52	4,549.34	4,482.46	66.87	68.029		
12,000.00	6,971.76	6,417.00	6,392.48	147.24	28.40	-43.88	310.24	367.52	4,647.59	4,580.67	66.92	69.453		
12,100.00	6,970.79	6,417.00	6,392.48	150.00	28.40	-43.88	310.24	367.52	4,745.92	4,678.96	66.96	70.876		
12,200.00	6,969.83	6,417.00	6,392.48	152.77	28.40	-43.88	310.24	367.52	4,844.32	4,777.31	67.00	72.298		
12,300.00	6,968.86	6,417.00	6,392.48	155.54	28.40	-43.88	310.24	367.52	4,942.78	4,875.73	67.05	73.719		
12,400.00	6,967.90	6,417.00	6,392.48	158.31	28.40	-43.88	310.24	367.52	5,041.30	4,974.21	67.09	75.138		
12,500.00	6,966.93	6,417.00	6,392.48	161.08	28.40	-43.88	310.24	367.52	5,139.88	5,072.74	67.14	76.556		
12,600.00	6,965.97	6,417.00	6,392.48	163.85	28.40	-43.88	310.24	367.52	5,238.51	5,171.33	67.18	77.972		
12,700.00	6,965.00	6,417.00	6,392.48	166.63	28.40	-43.88	310.24	367.52	5,337.19	5,269.96	67.23	79.387		
12,800.00	6,964.04	6,417.00	6,392.48	169.41	28.40	-43.88	310.24	367.52	5,435.93	5,368.65	67.28	80.800		
12,900.00	6,963.07	6,417.00	6,392.48	172.19	28.40	-43.88	310.24	367.52	5,534.70	5,467.38	67.32	82.210		
13,000.00	6,962.11	6,417.00	6,392.48	174.97	28.40	-43.88	310.24	367.52	5,633.52	5,566.15	67.37	83.619		
13,100.00	6,961.14	6,417.00	6,392.48	177.76	28.40	-43.88	310.24	367.52	5,732.39	5,664.97	67.42	85.026		
13,200.00	6,960.18	6,417.00	6,392.48	180.54	28.40	-43.88	310.24	367.52	5,831.29	5,763.82	67.47	86.430		
13,300.00	6,959.21	6,417.00	6,392.48	183.33	28.40	-43.88	310.24	367.52	5,930.22	5,862.71	67.52	87.832		
13,400.00	6,958.25	6,417.00	6,392.48	186.12	28.40	-43.88	310.24	367.52	6,029.20	5,961.63	67.57	89.232		
13,500.00	6,957.28	6,417.00	6,392.48	188.91	28.40	-43.88	310.24	367.52	6,128.20	6,060.58	67.62	90.629		
13,600.00	6,956.32	6,417.00	6,392.48	191.70	28.40	-43.88	310.24	367.52	6,227.24	6,159.57	67.67	92.024		
13,700.00	6,955.35	6,417.00	6,392.48	194.49	28.40	-43.88	310.24	367.52	6,326.31	6,258.58	67.72	93.415		
13,800.00	6,954.39	6,417.00	6,392.48	197.29	28.40	-43.88	310.24	367.52	6,425.40	6,357.63	67.78	94.805		
13,900.00	6,953.43	6,417.00	6,392.48	200.08	28.40	-43.88	310.24	367.52	6,524.53	6,456.70	67.83	96.191		
14,000.00	6,952.46	6,417.00	6,392.48	202.88	28.40	-43.88	310.24	367.52	6,623.68	6,555.79	67.88	97.574		
14,100.00	6,951.50	6,417.00	6,392.48	205.68	28.40	-43.88	310.24	367.52	6,722.85	6,654.91	67.94	98.955		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 133-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	6,417.00	6,392.48	208.48	28.40	-43.88	310.24	367.52	6,822.05	6,754.06	67.99	100.333	
14,300.00	6,949.57	6,417.00	6,392.48	211.28	28.40	-43.88	310.24	367.52	6,921.27	6,853.22	68.05	101.707	
14,400.00	6,948.60	6,417.00	6,392.48	214.08	28.40	-43.88	310.24	367.52	7,020.52	6,952.41	68.11	103.078	
14,500.00	6,947.64	6,417.00	6,392.48	216.88	28.40	-43.88	310.24	367.52	7,119.79	7,051.62	68.17	104.447	
14,600.00	6,946.67	6,417.00	6,392.48	219.68	28.40	-43.88	310.24	367.52	7,219.07	7,150.85	68.23	105.812	
14,700.00	6,945.71	6,417.00	6,392.48	222.49	28.40	-43.88	310.24	367.52	7,318.38	7,250.09	68.29	107.173	
14,800.00	6,944.74	6,417.00	6,392.48	225.29	28.40	-43.88	310.24	367.52	7,417.70	7,349.36	68.35	108.532	
14,900.00	6,943.78	6,417.00	6,392.48	228.10	28.40	-43.88	310.24	367.52	7,517.04	7,448.64	68.41	109.887	
15,000.00	6,942.81	6,417.00	6,392.48	230.90	28.40	-43.88	310.24	367.52	7,616.40	7,547.93	68.47	111.239	
15,100.00	6,941.85	6,417.00	6,392.48	233.71	28.40	-43.88	310.24	367.52	7,715.78	7,647.25	68.53	112.587	
15,200.00	6,940.88	6,417.00	6,392.48	236.52	28.40	-43.88	310.24	367.52	7,815.17	7,746.58	68.60	113.931	
15,300.00	6,939.92	6,417.00	6,392.48	239.32	28.40	-43.88	310.24	367.52	7,914.58	7,845.92	68.66	115.272	
15,400.00	6,938.95	6,417.00	6,392.48	242.13	28.40	-43.88	310.24	367.52	8,014.00	7,945.27	68.72	116.610	
15,500.00	6,937.99	6,417.00	6,392.48	244.94	28.40	-43.88	310.24	367.52	8,113.44	8,044.65	68.79	117.944	
15,600.00	6,937.02	6,417.00	6,392.48	247.75	28.40	-43.88	310.24	367.52	8,212.89	8,144.03	68.86	119.274	
15,706.13	6,936.00	6,417.00	6,392.48	250.74	28.40	-43.88	310.24	367.52	8,318.44	8,249.51	68.93	120.682	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	95.69	-50.63	507.75	510.32					
100.00	100.00	98.99	98.98	3.28	3.30	95.76	-51.15	506.66	509.27	502.69	6.58	77.346		
200.00	200.00	200.03	200.01	3.34	3.38	95.87	-51.92	505.38	508.09	501.38	6.71	75.690		
300.00	300.00	302.60	302.56	3.44	3.51	95.96	-52.58	503.63	506.46	499.50	6.96	72.818		
400.00	399.98	402.84	402.78	3.60	3.69	49.24	-53.08	501.60	503.35	496.06	7.29	69.029		
500.00	499.84	509.38	509.29	3.81	3.93	49.92	-53.70	498.81	497.43	489.70	7.73	64.312		
600.00	599.45	613.60	613.42	4.05	4.20	51.01	-54.28	494.74	488.06	479.81	8.25	59.171		
700.00	698.70	706.56	706.32	4.33	4.47	52.39	-54.95	491.32	476.92	468.14	8.78	54.296		
800.00	797.47	806.86	806.55	4.64	4.78	54.29	-55.54	487.76	464.10	454.70	9.40	49.379		
902.00	897.58	899.15	898.79	4.98	5.09	56.52	-56.31	485.16	450.23	440.20	10.04	44.857		
1,000.00	993.42	993.64	993.27	5.33	5.42	58.87	-57.33	483.30	437.50	426.79	10.71	40.849		
1,100.00	1,091.22	1,094.06	1,093.64	5.71	5.78	61.61	-58.99	480.83	425.05	413.61	11.44	37.140		
1,200.00	1,189.02	1,193.42	1,192.92	6.11	6.15	64.60	-61.31	477.37	412.91	400.70	12.21	33.826		
1,300.00	1,286.82	1,289.83	1,289.22	6.53	6.52	67.73	-63.88	473.72	401.79	388.81	12.99	30.940		
1,400.00	1,384.62	1,385.62	1,384.91	6.95	6.89	71.00	-66.57	470.19	392.16	378.37	13.79	28.445		
1,500.00	1,482.42	1,480.80	1,480.00	7.38	7.27	74.34	-69.10	467.12	384.26	369.66	14.60	26.315		
1,600.00	1,580.22	1,577.95	1,577.10	7.83	7.65	77.73	-70.94	464.70	378.03	362.59	15.44	24.487		
1,700.00	1,678.03	1,679.42	1,678.51	8.27	8.06	81.40	-72.66	461.54	372.61	356.31	16.30	22.856		
1,800.00	1,775.83	1,769.98	1,768.91	8.72	8.44	85.07	-76.00	457.53	369.05	351.90	17.14	21.526		
1,850.19	1,824.91	1,815.16	1,813.96	8.95	8.63	87.05	-78.70	455.32	368.57	351.00	17.57	20.979 CC, ES		
1,900.00	1,873.63	1,859.61	1,858.21	9.18	8.82	89.10	-82.07	452.96	369.06	351.08	17.99	20.517		
2,000.00	1,971.43	1,952.47	1,950.64	9.64	9.22	93.39	-89.87	448.39	372.65	353.81	18.85	19.774		
2,100.00	2,069.23	2,045.88	2,043.69	10.11	9.62	97.40	-97.32	445.18	379.07	359.37	19.70	19.246		
2,200.00	2,167.03	2,142.28	2,139.64	10.57	10.04	101.51	-105.61	441.25	387.73	367.16	20.57	18.853		
2,300.00	2,264.83	2,238.01	2,234.81	11.04	10.47	105.64	-114.53	435.90	398.38	376.95	21.43	18.588		
2,400.00	2,362.63	2,330.76	2,327.13	11.52	10.88	109.22	-122.70	432.16	411.23	388.97	22.26	18.473		
2,500.00	2,460.43	2,426.28	2,422.26	11.99	11.30	112.47	-130.85	429.98	426.06	402.96	23.10	18.443		
2,600.00	2,558.23	2,526.52	2,522.10	12.47	11.75	115.77	-139.18	426.68	441.77	417.78	23.98	18.419		
2,700.00	2,656.03	2,620.70	2,615.82	12.94	12.17	118.86	-147.13	421.92	458.51	433.69	24.82	18.476		
2,800.00	2,753.83	2,715.75	2,710.41	13.42	12.61	121.73	-155.23	417.42	476.70	451.05	25.65	18.584		
2,900.00	2,851.63	2,812.26	2,806.50	13.90	13.05	124.38	-163.33	413.33	495.97	469.48	26.50	18.718		
3,000.00	2,949.43	2,909.78	2,903.66	14.38	13.49	126.71	-171.10	410.49	515.92	488.57	27.35	18.864		
3,100.00	3,047.23	2,999.30	2,992.80	14.87	13.90	128.78	-178.65	407.20	537.04	508.92	28.12	19.096		
3,200.00	3,145.03	3,100.81	3,093.84	15.35	14.37	131.02	-187.35	402.73	559.03	530.01	29.02	19.263		
3,300.00	3,242.83	3,212.63	3,205.26	15.83	14.88	133.42	-194.43	396.53	579.56	549.55	30.01	19.311		
3,400.00	3,340.63	3,313.61	3,305.94	16.32	15.34	135.49	-199.16	390.45	599.27	568.37	30.90	19.394		
3,500.00	3,438.43	3,409.92	3,402.04	16.80	15.78	137.26	-203.04	385.44	618.94	587.19	31.75	19.496		
3,600.00	3,536.23	3,502.26	3,494.15	17.29	16.19	138.83	-207.66	380.96	640.04	607.48	32.56	19.657		
3,700.00	3,634.03	3,601.79	3,593.48	17.78	16.64	140.42	-211.71	376.15	660.73	627.29	33.44	19.759		
3,800.00	3,731.83	3,682.45	3,673.84	18.26	17.01	141.75	-216.09	370.69	683.46	649.32	34.14	20.021		
3,900.00	3,829.63	3,775.00	3,765.94	18.75	17.45	143.23	-222.05	363.76	707.77	672.82	34.95	20.250		
4,000.00	3,927.43	3,867.25	3,857.70	19.24	17.89	144.62	-228.38	356.73	732.96	697.20	35.76	20.495		
4,100.00	4,025.23	3,964.28	3,954.22	19.73	18.35	145.97	-235.12	349.43	758.62	722.00	36.63	20.713		
4,200.00	4,123.03	4,061.14	4,050.61	20.22	18.81	147.22	-241.51	342.44	784.26	746.77	37.49	20.920		
4,300.00	4,220.83	4,143.80	4,132.85	20.71	19.20	148.17	-247.85	336.95	811.03	772.83	38.20	21.233		
4,400.00	4,318.63	4,249.39	4,237.91	21.20	19.70	149.25	-256.40	330.72	838.25	799.09	39.16	21.405		
4,500.00	4,416.43	4,359.58	4,347.72	21.69	20.22	150.29	-263.38	325.01	863.81	823.65	40.17	21.506		
4,600.00	4,514.23	4,451.88	4,439.74	22.18	20.64	151.06	-269.38	320.98	889.50	848.51	40.99	21.703		
4,700.00	4,612.03	4,562.21	4,549.79	22.67	21.15	151.89	-276.04	316.81	914.76	872.78	41.98	21.789		
4,800.00	4,709.83	4,730.18	4,717.62	23.16	21.84	152.78	-281.39	317.32	936.64	893.27	43.37	21.596		
4,900.00	4,807.63	4,825.44	4,812.87	23.65	22.19	153.29	-280.77	318.25	954.36	910.18	44.19	21.598		
5,000.00	4,905.43	4,923.71	4,911.13	24.14	22.55	153.85	-279.53	318.63	971.82	926.80	45.03	21.583		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,019.72	5,007.13	24.63	22.92	154.42	-278.08	318.13	989.47	943.61	45.86	21.575		
5,200.00	5,101.03	5,114.81	5,102.20	25.12	23.30	155.01	-276.62	316.95	1,007.47	960.77	46.70	21.574		
5,300.00	5,198.83	5,208.03	5,195.40	25.62	23.67	155.59	-275.28	315.34	1,025.84	978.32	47.52	21.586		
5,400.00	5,296.63	5,296.45	5,283.82	26.11	24.03	156.02	-275.46	315.29	1,045.14	996.82	48.32	21.630		
5,500.00	5,394.43	5,400.36	5,387.73	26.60	24.45	156.48	-275.92	315.61	1,064.58	1,015.36	49.22	21.627		
5,600.00	5,492.23	5,497.56	5,484.92	27.09	24.84	156.94	-275.42	315.19	1,083.52	1,033.44	50.08	21.634		
5,700.00	5,590.03	5,577.69	5,565.04	27.58	25.18	157.34	-275.78	314.07	1,103.75	1,052.93	50.82	21.719		
5,800.00	5,687.83	5,688.81	5,676.14	28.08	25.65	157.89	-276.02	311.98	1,124.07	1,072.28	51.80	21.702		
5,900.00	5,785.63	5,787.50	5,774.80	28.57	26.06	158.41	-275.06	309.73	1,143.59	1,090.92	52.67	21.712		
6,000.00	5,883.43	5,883.90	5,871.18	29.06	26.46	158.87	-275.12	307.84	1,163.98	1,110.45	53.53	21.744		
6,100.00	5,981.23	6,007.35	5,994.61	29.56	26.96	159.38	-273.38	307.50	1,182.27	1,127.71	54.57	21.667		
6,200.00	6,079.04	6,094.04	6,081.28	30.05	27.30	159.76	-271.55	306.68	1,200.47	1,145.12	55.35	21.688		
6,300.00	6,176.84	6,190.31	6,177.55	30.54	27.70	160.15	-270.81	305.92	1,219.79	1,163.58	56.21	21.701		
6,409.71	6,284.13	6,298.90	6,286.10	31.08	28.14	160.62	-268.81	304.30	1,240.39	1,183.22	57.17	21.698		
6,450.00	6,323.71	6,337.38	6,324.58	31.28	28.29	175.42	-268.46	304.15	1,247.47	1,189.97	57.50	21.693		
6,500.00	6,373.15	6,395.16	6,382.35	31.50	28.53	-156.55	-267.60	303.71	1,254.32	1,196.34	57.98	21.632		
6,550.00	6,422.65	6,451.51	6,438.68	31.70	28.75	-125.29	-266.29	303.16	1,258.87	1,200.42	58.44	21.540		
6,600.00	6,471.92	6,505.57	6,492.72	31.89	28.96	-104.11	-265.77	304.50	1,261.21	1,202.33	58.88	21.419		
6,650.00	6,520.65	6,617.60	6,603.49	32.07	29.38	-93.65	-267.88	319.65	1,260.61	1,201.00	59.61	21.149		
6,700.00	6,568.54	6,702.85	6,684.12	32.25	29.66	-88.94	-273.03	346.55	1,256.35	1,196.22	60.12	20.896		
6,750.00	6,615.30	6,773.85	6,748.74	32.43	29.87	-87.11	-278.14	375.49	1,250.01	1,189.41	60.60	20.629		
6,800.00	6,660.63	7,058.20	6,984.52	32.61	30.69	-95.95	-281.17	530.15	1,239.64	1,178.65	60.99	20.327		
6,850.00	6,704.26	7,080.45	7,000.53	32.80	30.78	-95.79	-280.49	545.59	1,227.66	1,166.08	61.59	19.934		
6,900.00	6,745.92	7,096.45	7,011.98	33.00	30.84	-95.84	-279.95	556.75	1,216.78	1,154.61	62.18	19.569		
6,950.00	6,785.34	7,106.42	7,019.09	33.21	30.89	-95.89	-279.58	563.73	1,207.26	1,144.51	62.75	19.239		
7,000.00	6,822.30	7,104.70	7,017.75	33.44	30.89	-95.53	-279.71	562.63	1,199.31	1,136.01	63.30	18.945		
7,050.00	6,856.55	7,102.91	7,016.50	33.69	30.88	-95.21	-279.76	561.36	1,193.00	1,129.20	63.80	18.699		
7,100.00	6,887.90	7,102.75	7,016.47	33.97	30.87	-94.98	-279.72	561.15	1,188.36	1,124.10	64.26	18.492		
7,150.00	6,916.14	7,091.31	7,008.31	34.28	30.82	-94.19	-280.13	553.16	1,185.48	1,120.79	64.69	18.327		
7,200.00	6,941.10	7,075.28	6,996.81	34.62	30.76	-93.14	-280.66	541.99	1,184.22	1,119.15	65.06	18.201		
7,216.40	6,948.55	7,069.08	6,992.35	34.74	30.73	-92.74	-280.85	537.68	1,184.14	1,118.96	65.18	18.167		
7,250.00	6,962.63	7,054.97	6,982.18	35.00	30.68	-91.86	-281.26	527.92	1,184.46	1,119.06	65.40	18.112		
7,300.00	6,980.59	7,030.69	6,964.59	35.43	30.60	-90.38	-281.88	511.19	1,186.01	1,120.32	65.69	18.054		
7,350.00	6,994.88	7,002.73	6,944.20	35.89	30.51	-88.74	-282.46	492.08	1,188.67	1,122.72	65.95	18.024		
7,400.00	7,005.41	6,974.98	6,923.52	36.39	30.44	-87.13	-282.87	473.57	1,192.22	1,125.99	66.23	18.001		
7,450.00	7,012.10	6,950.33	6,904.13	36.93	30.37	-85.64	-283.04	458.36	1,196.57	1,130.02	66.55	17.979		
7,500.00	7,014.93	6,927.53	6,885.36	37.50	30.31	-84.22	-283.02	445.43	1,201.65	1,134.74	66.91	17.959		
7,517.56	7,015.00	6,919.87	6,878.89	37.70	30.29	-83.74	-282.98	441.34	1,203.60	1,136.55	67.05	17.952 SF		
7,600.00	7,014.21	6,880.04	6,844.14	38.74	30.18	-82.09	-282.45	421.89	1,215.06	1,147.41	67.65	17.961		
7,700.00	7,013.24	6,821.91	6,792.26	40.15	30.01	-79.63	-280.61	395.74	1,234.24	1,165.98	68.25	18.083		
7,800.00	7,012.28	6,764.02	6,739.82	41.71	29.84	-77.17	-277.53	371.42	1,259.11	1,190.30	68.81	18.299		
7,900.00	7,011.31	6,708.00	6,688.82	43.40	29.67	-74.78	-273.45	348.60	1,289.35	1,220.04	69.31	18.602		
8,000.00	7,010.35	6,708.00	6,688.82	45.21	29.67	-74.78	-273.45	348.60	1,325.63	1,255.01	70.62	18.770		
8,100.00	7,009.38	6,708.00	6,688.82	47.12	29.67	-74.78	-273.45	348.60	1,368.28	1,296.47	71.81	19.054		
8,200.00	7,008.42	6,668.95	6,652.63	49.12	29.54	-73.11	-270.58	334.27	1,415.01	1,342.67	72.34	19.560		
8,300.00	7,007.45	6,658.83	6,643.06	51.21	29.51	-72.67	-269.95	331.01	1,467.61	1,394.43	73.17	20.056		
8,400.00	7,006.49	6,649.73	6,634.42	53.36	29.48	-72.28	-269.43	328.23	1,524.76	1,450.85	73.91	20.630		
8,500.00	7,005.52	6,613.00	6,599.02	55.57	29.36	-70.69	-267.70	318.58	1,586.94	1,512.75	74.19	21.391		
8,600.00	7,004.56	6,613.00	6,599.02	57.84	29.36	-70.69	-267.70	318.58	1,651.41	1,576.55	74.85	22.062		
8,700.00	7,003.59	6,613.00	6,599.02	60.16	29.36	-70.69	-267.70	318.58	1,719.27	1,643.85	75.42	22.796		
8,800.00	7,002.63	6,613.00	6,599.02	62.52	29.36	-70.69	-267.70	318.58	1,790.16	1,714.26	75.90	23.586		
8,900.00	7,001.66	6,613.00	6,599.02	64.92	29.36	-70.69	-267.70	318.58	1,863.71	1,787.41	76.30	24.426		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,613.00	6,599.02	67.35	29.36	-70.69	-267.70	318.58	1,939.63	1,862.99	76.64	25.309		
9,100.00	6,999.73	6,613.00	6,599.02	69.81	29.36	-70.69	-267.70	318.58	2,017.65	1,940.73	76.92	26.230		
9,200.00	6,998.77	6,613.00	6,599.02	72.31	29.36	-70.69	-267.70	318.58	2,097.54	2,020.39	77.16	27.186		
9,300.00	6,997.80	6,613.00	6,599.02	74.82	29.36	-70.69	-267.70	318.58	2,179.09	2,101.74	77.35	28.171		
9,400.00	6,996.84	6,613.00	6,599.02	77.36	29.36	-70.69	-267.70	318.58	2,262.12	2,184.61	77.52	29.183		
9,500.00	6,995.88	6,613.00	6,599.02	79.92	29.36	-70.69	-267.70	318.58	2,346.48	2,268.83	77.65	30.218		
9,600.00	6,994.91	6,613.00	6,599.02	82.49	29.36	-70.69	-267.70	318.58	2,432.02	2,354.26	77.76	31.275		
9,700.00	6,993.95	6,613.00	6,599.02	85.09	29.36	-70.69	-267.70	318.58	2,518.63	2,440.77	77.85	32.350		
9,800.00	6,992.98	6,613.00	6,599.02	87.70	29.36	-70.69	-267.70	318.58	2,606.19	2,528.26	77.93	33.442		
9,900.00	6,992.02	6,613.00	6,599.02	90.32	29.36	-70.69	-267.70	318.58	2,694.62	2,616.63	77.99	34.550		
10,000.00	6,991.05	6,572.82	6,559.62	92.95	29.21	-68.96	-266.47	310.86	2,782.04	2,704.21	77.83	35.745		
10,100.00	6,990.09	6,570.25	6,557.08	95.60	29.20	-68.85	-266.41	310.47	2,871.74	2,793.87	77.87	36.880		
10,200.00	6,989.12	6,567.83	6,554.69	98.26	29.19	-68.75	-266.36	310.11	2,962.08	2,884.18	77.90	38.025		
10,300.00	6,988.16	6,565.53	6,552.42	100.92	29.19	-68.65	-266.31	309.78	3,053.01	2,975.09	77.92	39.180		
10,400.00	6,987.19	6,563.36	6,550.26	103.60	29.18	-68.56	-266.27	309.47	3,144.48	3,066.54	77.94	40.344		
10,500.00	6,986.23	6,561.29	6,548.22	106.28	29.17	-68.47	-266.23	309.19	3,236.45	3,158.49	77.96	41.515		
10,600.00	6,985.26	6,559.34	6,546.28	108.98	29.16	-68.39	-266.19	308.93	3,328.87	3,250.90	77.97	42.694		
10,700.00	6,984.30	6,518.00	6,505.13	111.68	29.01	-66.65	-265.77	305.12	3,423.40	3,345.60	77.80	44.001		
10,800.00	6,983.33	6,518.00	6,505.13	114.38	29.01	-66.65	-265.77	305.12	3,516.48	3,438.65	77.83	45.184		
10,900.00	6,982.37	6,518.00	6,505.13	117.09	29.01	-66.65	-265.77	305.12	3,609.92	3,532.07	77.84	46.373		
11,000.00	6,981.40	6,518.00	6,505.13	119.81	29.01	-66.65	-265.77	305.12	3,703.70	3,625.84	77.86	47.568		
11,100.00	6,980.44	6,518.00	6,505.13	122.54	29.01	-66.65	-265.77	305.12	3,797.80	3,719.93	77.88	48.767		
11,200.00	6,979.47	6,518.00	6,505.13	125.26	29.01	-66.65	-265.77	305.12	3,892.20	3,814.31	77.89	49.970		
11,300.00	6,978.51	6,518.00	6,505.13	128.00	29.01	-66.65	-265.77	305.12	3,986.87	3,908.97	77.90	51.177		
11,400.00	6,977.54	6,518.00	6,505.13	130.73	29.01	-66.65	-265.77	305.12	4,081.79	4,003.88	77.92	52.388		
11,500.00	6,976.58	6,518.00	6,505.13	133.48	29.01	-66.65	-265.77	305.12	4,176.95	4,099.03	77.93	53.601		
11,600.00	6,975.62	6,518.00	6,505.13	136.22	29.01	-66.65	-265.77	305.12	4,272.34	4,194.40	77.94	54.817		
11,700.00	6,974.65	6,518.00	6,505.13	138.97	29.01	-66.65	-265.77	305.12	4,367.92	4,289.97	77.95	56.036		
11,800.00	6,973.69	6,518.00	6,505.13	141.73	29.01	-66.65	-265.77	305.12	4,463.71	4,385.75	77.96	57.256		
11,900.00	6,972.72	6,518.00	6,505.13	144.48	29.01	-66.65	-265.77	305.12	4,559.67	4,481.70	77.97	58.479		
12,000.00	6,971.76	6,518.00	6,505.13	147.24	29.01	-66.65	-265.77	305.12	4,655.80	4,577.82	77.98	59.703		
12,100.00	6,970.79	6,518.00	6,505.13	150.00	29.01	-66.65	-265.77	305.12	4,752.09	4,674.10	77.99	60.929		
12,200.00	6,969.83	6,518.00	6,505.13	152.77	29.01	-66.65	-265.77	305.12	4,848.53	4,770.53	78.01	62.155		
12,300.00	6,968.86	6,518.00	6,505.13	155.54	29.01	-66.65	-265.77	305.12	4,945.12	4,867.10	78.02	63.383		
12,400.00	6,967.90	6,518.00	6,505.13	158.31	29.01	-66.65	-265.77	305.12	5,041.84	4,963.80	78.03	64.611		
12,500.00	6,966.93	6,518.00	6,505.13	161.08	29.01	-66.65	-265.77	305.12	5,138.68	5,060.63	78.05	65.840		
12,600.00	6,965.97	6,518.00	6,505.13	163.85	29.01	-66.65	-265.77	305.12	5,235.64	5,157.58	78.06	67.070		
12,700.00	6,965.00	6,518.00	6,505.13	166.63	29.01	-66.65	-265.77	305.12	5,332.71	5,254.63	78.08	68.300		
12,800.00	6,964.04	6,518.00	6,505.13	169.41	29.01	-66.65	-265.77	305.12	5,429.89	5,351.80	78.09	69.530		
12,900.00	6,963.07	6,518.00	6,505.13	172.19	29.01	-66.65	-265.77	305.12	5,527.17	5,449.06	78.11	70.759		
13,000.00	6,962.11	6,518.00	6,505.13	174.97	29.01	-66.65	-265.77	305.12	5,624.55	5,546.42	78.13	71.989		
13,100.00	6,961.14	6,518.00	6,505.13	177.76	29.01	-66.65	-265.77	305.12	5,722.01	5,643.86	78.15	73.219		
13,200.00	6,960.18	6,518.00	6,505.13	180.54	29.01	-66.65	-265.77	305.12	5,819.57	5,741.40	78.17	74.448		
13,300.00	6,959.21	6,518.00	6,505.13	183.33	29.01	-66.65	-265.77	305.12	5,917.20	5,839.01	78.19	75.677		
13,400.00	6,958.25	6,518.00	6,505.13	186.12	29.01	-66.65	-265.77	305.12	6,014.91	5,936.70	78.21	76.905		
13,500.00	6,957.28	6,518.00	6,505.13	188.91	29.01	-66.65	-265.77	305.12	6,112.70	6,034.46	78.24	78.132		
13,600.00	6,956.32	6,518.00	6,505.13	191.70	29.01	-66.65	-265.77	305.12	6,210.55	6,132.30	78.26	79.359		
13,700.00	6,955.35	6,518.00	6,505.13	194.49	29.01	-66.65	-265.77	305.12	6,308.48	6,230.19	78.28	80.585		
13,800.00	6,954.39	6,518.00	6,505.13	197.29	29.01	-66.65	-265.77	305.12	6,406.47	6,328.16	78.31	81.810		
13,900.00	6,953.43	6,518.00	6,505.13	200.08	29.01	-66.65	-265.77	305.12	6,504.51	6,426.18	78.34	83.034		
14,000.00	6,952.46	6,518.00	6,505.13	202.88	29.01	-66.65	-265.77	305.12	6,602.62	6,524.26	78.36	84.256		
14,100.00	6,951.50	6,518.00	6,505.13	205.68	29.01	-66.65	-265.77	305.12	6,700.78	6,622.39	78.39	85.478		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 39-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	6,518.00	6,505.13	208.48	29.01	-66.65	-265.77	305.12	6,799.00	6,720.58	78.42	86.698	
14,300.00	6,949.57	6,518.00	6,505.13	211.28	29.01	-66.65	-265.77	305.12	6,897.27	6,818.82	78.45	87.917	
14,400.00	6,948.60	6,518.00	6,505.13	214.08	29.01	-66.65	-265.77	305.12	6,995.59	6,917.10	78.48	89.135	
14,500.00	6,947.64	6,518.00	6,505.13	216.88	29.01	-66.65	-265.77	305.12	7,093.95	7,015.44	78.52	90.351	
14,600.00	6,946.67	6,518.00	6,505.13	219.68	29.01	-66.65	-265.77	305.12	7,192.36	7,113.81	78.55	91.566	
14,700.00	6,945.71	6,518.00	6,505.13	222.49	29.01	-66.65	-265.77	305.12	7,290.81	7,212.23	78.58	92.779	
14,800.00	6,944.74	6,518.00	6,505.13	225.29	29.01	-66.65	-265.77	305.12	7,389.31	7,310.69	78.62	93.990	
14,900.00	6,943.78	6,518.00	6,505.13	228.10	29.01	-66.65	-265.77	305.12	7,487.84	7,409.19	78.65	95.200	
15,000.00	6,942.81	6,518.00	6,505.13	230.90	29.01	-66.65	-265.77	305.12	7,586.41	7,507.72	78.69	96.408	
15,100.00	6,941.85	6,518.00	6,505.13	233.71	29.01	-66.65	-265.77	305.12	7,685.02	7,606.29	78.73	97.614	
15,200.00	6,940.88	6,518.00	6,505.13	236.52	29.01	-66.65	-265.77	305.12	7,783.67	7,704.90	78.77	98.818	
15,300.00	6,939.92	6,518.00	6,505.13	239.32	29.01	-66.65	-265.77	305.12	7,882.35	7,803.54	78.81	100.021	
15,400.00	6,938.95	6,518.00	6,505.13	242.13	29.01	-66.65	-265.77	305.12	7,981.06	7,902.21	78.85	101.221	
15,500.00	6,937.99	6,518.00	6,505.13	244.94	29.01	-66.65	-265.77	305.12	8,079.80	8,000.91	78.89	102.420	
15,600.00	6,937.02	6,518.00	6,505.13	247.75	29.01	-66.65	-265.77	305.12	8,178.58	8,099.64	78.93	103.616	
15,706.13	6,936.00	6,518.00	6,505.13	250.74	29.01	-66.65	-265.77	305.12	8,283.43	8,204.46	78.98	104.884	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.38	-65.56	506.36	510.64					
100.00	100.00	96.23	96.22	3.28	3.30	97.43	-65.95	505.86	510.15	503.57	6.58	77.504		
200.00	200.00	198.33	198.32	3.34	3.37	97.56	-67.04	504.92	509.38	502.67	6.71	75.906		
300.00	300.00	302.14	302.10	3.44	3.51	97.74	-68.36	503.28	507.98	501.02	6.95	73.038		
400.00	399.98	405.35	405.28	3.60	3.69	51.12	-69.61	500.88	504.74	497.44	7.30	69.144		
500.00	499.84	509.81	509.69	3.81	3.93	51.85	-70.37	497.73	498.61	490.87	7.74	64.442		
600.00	599.45	604.00	603.83	4.05	4.17	52.87	-71.13	494.80	490.33	482.11	8.22	59.686		
700.00	698.70	698.71	698.51	4.33	4.44	54.31	-72.39	492.79	481.21	472.45	8.76	54.954		
800.00	797.47	792.95	792.72	4.64	4.73	56.18	-74.17	491.50	471.26	461.91	9.35	50.410		
902.00	897.58	884.81	884.55	4.98	5.03	58.47	-76.56	491.25	460.97	450.99	9.98	46.175		
1,000.00	993.42	978.79	978.48	5.33	5.34	60.96	-79.76	491.92	452.11	441.46	10.65	42.460		
1,100.00	1,091.22	1,077.41	1,077.03	5.71	5.68	63.71	-83.42	492.44	443.98	432.61	11.37	39.045		
1,200.00	1,189.02	1,186.15	1,185.66	6.11	6.08	66.99	-87.88	491.21	435.61	423.45	12.16	35.809		
1,300.00	1,286.82	1,265.96	1,265.42	6.53	6.37	69.36	-90.62	491.33	429.24	416.37	12.87	33.349		
1,400.00	1,384.62	1,373.15	1,372.53	6.95	6.77	72.40	-93.69	493.79	425.76	412.07	13.69	31.091		
1,500.00	1,482.42	1,482.96	1,482.19	7.38	7.21	76.13	-98.15	490.49	419.46	404.90	14.56	28.816		
1,600.00	1,580.22	1,590.19	1,589.07	7.83	7.64	80.23	-103.10	483.51	412.29	396.86	15.43	26.721		
1,700.00	1,678.03	1,685.07	1,683.40	8.27	8.04	84.31	-108.66	474.93	405.92	389.64	16.29	24.925		
1,800.00	1,775.83	1,770.79	1,768.47	8.72	8.41	88.26	-115.46	466.96	403.10	385.98	17.13	23.538		
1,811.85	1,787.42	1,780.97	1,778.56	8.78	8.46	88.74	-116.38	466.06	403.07	385.84	17.22	23.400 CC, ES		
1,900.00	1,873.63	1,856.31	1,853.24	9.18	8.80	92.32	-124.06	459.67	404.93	386.97	17.96	22.548		
2,000.00	1,971.43	1,935.16	1,931.26	9.64	9.16	96.07	-134.01	454.04	412.22	393.49	18.73	22.010		
2,100.00	2,069.23	2,023.76	2,018.80	10.11	9.57	100.02	-146.94	449.86	424.95	405.41	19.54	21.749		
2,200.00	2,167.03	2,118.99	2,113.10	10.57	10.01	103.79	-159.96	447.10	440.04	419.65	20.39	21.583		
2,300.00	2,264.83	2,223.25	2,216.57	11.04	10.49	107.43	-172.59	445.14	456.05	434.74	21.31	21.404		
2,400.00	2,362.63	2,319.82	2,312.54	11.52	10.93	110.62	-182.97	442.39	471.99	449.83	22.16	21.300		
2,500.00	2,460.43	2,418.31	2,410.34	11.99	11.39	113.81	-193.81	438.27	489.17	466.14	23.03	21.241		
2,600.00	2,558.23	2,515.74	2,506.95	12.47	11.86	117.02	-204.54	431.69	507.12	483.23	23.89	21.225		
2,700.00	2,656.03	2,604.75	2,595.09	12.94	12.29	119.89	-214.70	424.57	526.70	502.02	24.68	21.342		
2,800.00	2,753.83	2,695.12	2,684.36	13.42	12.75	122.74	-226.07	416.31	548.63	523.16	25.47	21.539		
2,900.00	2,851.63	2,793.60	2,781.69	13.90	13.24	125.57	-238.35	407.67	571.88	545.54	26.34	21.710		
3,000.00	2,949.43	2,892.77	2,879.95	14.38	13.73	128.06	-249.57	400.38	595.29	568.07	27.22	21.871		
3,100.00	3,047.23	2,992.40	2,978.88	14.87	14.21	130.21	-259.96	394.68	618.82	590.73	28.10	22.025		
3,200.00	3,145.03	3,087.82	3,073.68	15.35	14.68	132.10	-269.45	389.58	642.61	613.68	28.93	22.210		
3,300.00	3,242.83	3,173.46	3,158.69	15.83	15.10	133.72	-278.48	384.44	667.64	637.97	29.67	22.499		
3,400.00	3,340.63	3,260.79	3,245.22	16.32	15.53	135.31	-288.80	378.66	694.51	664.08	30.43	22.824		
3,500.00	3,438.43	3,361.00	3,344.44	16.80	16.04	137.04	-300.87	371.53	722.21	690.89	31.32	23.056		
3,600.00	3,536.23	3,479.12	3,461.74	17.29	16.62	138.83	-312.74	364.55	748.43	716.04	32.40	23.102		
3,700.00	3,634.03	3,570.48	3,552.65	17.78	17.06	140.03	-320.81	360.39	773.69	740.49	33.20	23.303		
3,800.00	3,731.83	3,648.86	3,630.54	18.26	17.44	140.99	-328.72	356.80	800.48	766.61	33.87	23.632		
3,900.00	3,829.63	3,719.70	3,700.75	18.75	17.80	141.82	-337.53	353.27	829.87	795.42	34.45	24.090		
4,000.00	3,927.43	3,793.80	3,773.85	19.24	18.19	142.65	-348.87	348.92	862.26	827.21	35.04	24.604		
4,100.00	4,025.23	3,880.15	3,858.84	19.73	18.65	143.54	-363.25	343.94	896.18	860.39	35.79	25.038		
4,200.00	4,123.03	3,978.93	3,956.04	20.22	19.18	144.47	-379.94	338.43	930.52	893.81	36.70	25.354		
4,300.00	4,220.83	4,104.95	4,080.50	20.71	19.85	145.52	-398.84	332.73	963.07	925.15	37.93	25.392		
4,400.00	4,318.63	4,219.26	4,193.90	21.20	20.42	146.36	-412.73	328.91	992.79	953.80	38.99	25.462		
4,500.00	4,416.43	4,314.80	4,288.78	21.69	20.89	147.01	-423.60	326.13	1,021.85	981.99	39.85	25.641		
4,600.00	4,514.23	4,398.01	4,371.35	22.18	21.31	147.58	-433.28	322.87	1,051.54	1,010.95	40.59	25.909		
4,700.00	4,612.03	4,500.94	4,473.41	22.67	21.83	148.35	-445.41	317.09	1,081.97	1,040.44	41.53	26.054		
4,800.00	4,709.83	4,590.90	4,562.67	23.16	22.29	149.00	-455.23	311.83	1,111.80	1,069.47	42.33	26.262		
4,900.00	4,807.63	4,688.01	4,658.97	23.65	22.78	149.69	-466.20	305.71	1,142.25	1,099.04	43.22	26.430		
5,000.00	4,905.43	4,782.55	4,752.78	24.14	23.26	150.26	-476.96	301.11	1,172.46	1,128.39	44.07	26.602		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	4,901.75	4,871.16	24.63	23.85	150.82	-490.53	297.85	1,202.18	1,157.00	45.18	26.608		
5,200.00	5,101.03	5,036.24	5,005.10	25.12	24.48	151.43	-502.21	294.89	1,229.33	1,182.93	46.40	26.495		
5,300.00	5,198.83	5,204.76	5,173.42	25.62	25.21	152.19	-509.38	293.13	1,252.10	1,204.31	47.79	26.198		
5,400.00	5,296.63	5,323.88	5,292.54	26.11	25.68	152.72	-510.16	292.77	1,271.42	1,222.64	48.78	26.062		
5,500.00	5,394.43	5,442.23	5,410.86	26.60	26.11	153.33	-508.10	291.25	1,288.90	1,239.16	49.74	25.914		
5,600.00	5,492.23	5,545.11	5,513.67	27.09	26.48	153.89	-505.03	289.21	1,305.61	1,255.01	50.60	25.800		
5,700.00	5,590.03	5,637.65	5,606.14	27.58	26.82	154.40	-502.15	287.02	1,322.46	1,271.04	51.42	25.718		
5,800.00	5,687.83	5,730.27	5,698.74	28.08	27.15	154.80	-500.53	286.76	1,339.88	1,287.64	52.24	25.648		
5,900.00	5,785.63	5,834.34	5,802.79	28.57	27.52	155.14	-499.64	288.56	1,357.43	1,304.31	53.12	25.554		
6,000.00	5,883.43	5,908.13	5,876.57	29.06	27.80	155.42	-498.79	288.78	1,375.35	1,321.51	53.84	25.544		
6,100.00	5,981.23	6,011.22	5,979.66	29.56	28.21	155.81	-499.10	288.05	1,395.01	1,340.27	54.74	25.486		
6,200.00	6,079.04	6,109.04	6,077.47	30.05	28.58	156.20	-497.96	287.44	1,413.32	1,357.73	55.60	25.421		
6,300.00	6,176.84	6,222.92	6,191.34	30.54	29.02	156.63	-496.95	286.89	1,431.96	1,375.41	56.55	25.323		
6,409.71	6,284.13	6,335.95	6,304.34	31.08	29.43	157.07	-494.49	286.13	1,451.22	1,393.71	57.51	25.234		
6,450.00	6,323.71	6,386.93	6,355.30	31.28	29.62	171.85	-493.40	286.51	1,457.53	1,399.62	57.91	25.170		
6,500.00	6,373.15	6,519.33	6,487.42	31.50	30.08	-160.49	-489.15	293.02	1,462.87	1,404.23	58.64	24.947		
6,550.00	6,422.65	6,592.31	6,559.40	31.70	30.32	-129.92	-487.14	304.61	1,463.97	1,404.87	59.10	24.770		
6,600.00	6,471.92	6,691.83	6,654.54	31.89	30.63	-110.22	-487.33	333.45	1,462.05	1,402.46	59.59	24.536		
6,650.00	6,520.65	6,738.02	6,696.52	32.07	30.76	-99.34	-489.19	352.58	1,458.25	1,398.25	60.00	24.305		
6,700.00	6,568.54	6,700.00	6,786.93	32.25	30.71	-95.52	-495.18	405.33	1,453.13	1,393.22	59.91	24.256		
6,750.00	6,615.30	6,710.68	6,979.55	32.43	31.50	-100.78	-498.73	578.67	1,444.04	1,382.91	61.13	23.622		
6,800.00	6,660.63	7,123.25	6,991.46	32.61	31.52	-99.26	-498.49	594.20	1,434.38	1,372.60	61.78	23.218		
6,850.00	6,704.26	7,133.80	6,997.73	32.80	31.53	-98.20	-498.38	602.68	1,425.75	1,363.38	62.37	22.859		
6,900.00	6,745.92	7,137.35	6,999.81	33.00	31.54	-97.33	-498.34	605.55	1,418.32	1,355.41	62.91	22.546		
6,950.00	6,785.34	7,135.42	6,998.68	33.21	31.53	-96.51	-498.36	603.99	1,412.20	1,348.81	63.39	22.280		
7,000.00	6,822.30	7,129.15	6,994.98	33.44	31.53	-95.68	-498.43	598.93	1,407.42	1,343.61	63.81	22.057		
7,050.00	6,856.55	7,119.40	6,989.14	33.69	31.52	-94.80	-498.54	591.12	1,403.98	1,339.80	64.18	21.874		
7,100.00	6,887.90	7,106.81	6,981.48	33.97	31.50	-93.85	-498.69	581.13	1,401.85	1,337.33	64.52	21.727		
7,150.00	6,916.14	7,093.96	6,973.51	34.28	31.50	-92.92	-498.85	571.06	1,400.96	1,336.13	64.84	21.607		
7,163.35	6,923.13	7,086.61	6,968.88	34.37	31.48	-92.52	-498.95	565.35	1,400.93	1,336.02	64.91	21.583		
7,200.00	6,941.10	7,066.17	6,955.74	34.62	31.45	-91.42	-499.17	549.69	1,401.19	1,336.11	65.08	21.530		
7,250.00	6,962.63	7,037.79	6,936.84	35.00	31.41	-89.92	-499.31	528.52	1,402.32	1,337.01	65.31	21.472		
7,300.00	6,980.59	7,008.99	6,916.91	35.43	31.36	-88.43	-499.26	507.74	1,404.22	1,338.68	65.54	21.426		
7,350.00	6,994.88	6,982.49	6,897.91	35.89	31.32	-87.06	-499.05	489.27	1,406.78	1,340.97	65.81	21.376		
7,400.00	7,005.41	6,958.50	6,880.11	36.39	31.27	-85.79	-498.78	473.18	1,409.95	1,343.80	66.14	21.316		
7,450.00	7,012.10	6,934.25	6,861.56	36.93	31.23	-84.56	-498.44	457.57	1,413.61	1,347.11	66.50	21.257		
7,500.00	7,014.93	7,500.00	6,821.46	37.50	32.79	-82.50	-497.14	428.07	1,417.62	1,348.92	68.70	20.636 SF		
7,517.56	7,015.00	6,905.08	6,838.54	37.70	31.18	-83.07	-497.94	439.68	1,419.13	1,352.07	67.06	21.162		
7,600.00	7,014.21	6,807.47	6,757.39	38.74	30.95	-79.80	-493.59	385.69	1,426.98	1,359.85	67.13	21.258		
7,700.00	7,013.24	6,779.01	6,732.79	40.15	30.87	-78.81	-491.57	371.54	1,440.48	1,372.22	68.27	21.100		
7,800.00	7,012.28	6,755.53	6,712.13	41.71	30.81	-77.98	-490.13	360.47	1,459.90	1,390.39	69.51	21.003		
7,900.00	7,011.31	6,734.20	6,693.09	43.40	30.75	-77.22	-489.00	350.90	1,485.11	1,414.33	70.77	20.984		
8,000.00	7,010.35	6,709.00	6,670.31	45.21	30.68	-76.32	-487.88	340.21	1,515.93	1,443.97	71.96	21.067		
8,100.00	7,009.38	6,709.00	6,670.31	47.12	30.68	-76.32	-487.88	340.21	1,552.15	1,478.77	73.37	21.154		
8,200.00	7,008.42	6,691.62	6,654.34	49.12	30.63	-75.70	-487.33	333.37	1,593.44	1,518.94	74.50	21.389		
8,300.00	7,007.45	6,682.60	6,645.95	51.21	30.61	-75.37	-487.14	330.06	1,639.64	1,564.02	75.62	21.683		
8,400.00	7,006.49	6,664.00	6,628.45	53.36	30.55	-74.69	-486.99	323.77	1,690.46	1,613.92	76.54	22.086		
8,500.00	7,005.52	6,664.00	6,628.45	55.57	30.55	-74.69	-486.99	323.77	1,745.11	1,667.57	77.54	22.506		
8,600.00	7,004.56	6,664.00	6,628.45	57.84	30.55	-74.69	-486.99	323.77	1,803.66	1,725.23	78.43	22.997		
8,700.00	7,003.59	6,646.57	6,611.86	60.16	30.50	-74.06	-486.99	318.42	1,865.48	1,786.41	79.07	23.593		
8,800.00	7,002.63	6,636.90	6,602.60	62.52	30.47	-73.70	-487.00	315.65	1,930.39	1,850.70	79.69	24.224		
8,900.00	7,001.66	6,614.00	6,580.51	64.92	30.39	-72.86	-487.01	309.61	1,998.22	1,918.09	80.13	24.939		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,614.00	6,580.51	67.35	30.39	-72.86	-487.01	309.61	2,068.26	1,987.59	80.68	25.637		
9,100.00	6,999.73	6,614.00	6,580.51	69.81	30.39	-72.86	-487.01	309.61	2,140.69	2,059.54	81.15	26.378		
9,200.00	6,998.77	6,614.00	6,580.51	72.31	30.39	-72.86	-487.01	309.61	2,215.26	2,133.69	81.57	27.158		
9,300.00	6,997.80	6,614.00	6,580.51	74.82	30.39	-72.86	-487.01	309.61	2,291.77	2,209.85	81.93	27.973		
9,400.00	6,996.84	6,614.00	6,580.51	77.36	30.39	-72.86	-487.01	309.61	2,370.04	2,287.80	82.24	28.819		
9,500.00	6,995.88	6,614.00	6,580.51	79.92	30.39	-72.86	-487.01	309.61	2,449.88	2,367.37	82.51	29.693		
9,600.00	6,994.91	6,614.00	6,580.51	82.49	30.39	-72.86	-487.01	309.61	2,531.16	2,448.42	82.74	30.592		
9,700.00	6,993.95	6,614.00	6,580.51	85.09	30.39	-72.86	-487.01	309.61	2,613.73	2,530.79	82.94	31.513		
9,800.00	6,992.98	6,614.00	6,580.51	87.70	30.39	-72.86	-487.01	309.61	2,697.48	2,614.37	83.11	32.456		
9,900.00	6,992.02	6,575.14	6,542.59	90.32	30.27	-71.45	-487.39	301.15	2,780.84	2,697.75	83.10	33.465		
10,000.00	6,991.05	6,571.57	6,539.08	92.95	30.25	-71.32	-487.46	300.49	2,866.37	2,783.15	83.22	34.443		
10,100.00	6,990.09	6,568.18	6,535.75	95.60	30.24	-71.19	-487.53	299.88	2,952.79	2,869.46	83.33	35.436		
10,200.00	6,989.12	6,564.97	6,532.59	98.26	30.23	-71.08	-487.61	299.31	3,040.02	2,956.60	83.42	36.442		
10,300.00	6,988.16	6,561.92	6,529.58	100.92	30.22	-70.97	-487.68	298.79	3,127.99	3,044.49	83.50	37.460		
10,400.00	6,987.19	6,559.02	6,526.72	103.60	30.21	-70.86	-487.75	298.31	3,216.65	3,133.08	83.57	38.489		
10,500.00	6,986.23	6,519.00	6,487.09	106.28	30.08	-69.43	-489.16	292.99	3,307.27	3,223.77	83.50	39.607		
10,600.00	6,985.26	6,519.00	6,487.09	108.98	30.08	-69.43	-489.16	292.99	3,396.96	3,313.39	83.57	40.647		
10,700.00	6,984.30	6,519.00	6,487.09	111.68	30.08	-69.43	-489.16	292.99	3,487.21	3,403.58	83.63	41.697		
10,800.00	6,983.33	6,519.00	6,487.09	114.38	30.08	-69.43	-489.16	292.99	3,577.99	3,494.30	83.69	42.755		
10,900.00	6,982.37	6,519.00	6,487.09	117.09	30.08	-69.43	-489.16	292.99	3,669.24	3,585.50	83.73	43.820		
11,000.00	6,981.40	6,519.00	6,487.09	119.81	30.08	-69.43	-489.16	292.99	3,760.93	3,677.16	83.78	44.893		
11,100.00	6,980.44	6,519.00	6,487.09	122.54	30.08	-69.43	-489.16	292.99	3,853.04	3,769.23	83.81	45.972		
11,200.00	6,979.47	6,519.00	6,487.09	125.26	30.08	-69.43	-489.16	292.99	3,945.54	3,861.69	83.85	47.057		
11,300.00	6,978.51	6,519.00	6,487.09	128.00	30.08	-69.43	-489.16	292.99	4,038.39	3,954.51	83.87	48.148		
11,400.00	6,977.54	6,519.00	6,487.09	130.73	30.08	-69.43	-489.16	292.99	4,131.57	4,047.67	83.90	49.243		
11,500.00	6,976.58	6,519.00	6,487.09	133.48	30.08	-69.43	-489.16	292.99	4,225.07	4,141.14	83.93	50.343		
11,600.00	6,975.62	6,519.00	6,487.09	136.22	30.08	-69.43	-489.16	292.99	4,318.86	4,234.91	83.95	51.447		
11,700.00	6,974.65	6,519.00	6,487.09	138.97	30.08	-69.43	-489.16	292.99	4,412.92	4,328.95	83.97	52.555		
11,800.00	6,973.69	6,519.00	6,487.09	141.73	30.08	-69.43	-489.16	292.99	4,507.23	4,423.25	83.99	53.666		
11,900.00	6,972.72	6,519.00	6,487.09	144.48	30.08	-69.43	-489.16	292.99	4,601.79	4,517.78	84.01	54.780		
12,000.00	6,971.76	6,519.00	6,487.09	147.24	30.08	-69.43	-489.16	292.99	4,696.57	4,612.55	84.02	55.897		
12,100.00	6,970.79	6,519.00	6,487.09	150.00	30.08	-69.43	-489.16	292.99	4,791.57	4,707.53	84.04	57.016		
12,200.00	6,969.83	6,519.00	6,487.09	152.77	30.08	-69.43	-489.16	292.99	4,886.76	4,802.71	84.05	58.138		
12,300.00	6,968.86	6,519.00	6,487.09	155.54	30.08	-69.43	-489.16	292.99	4,982.14	4,898.07	84.07	59.262		
12,400.00	6,967.90	6,519.00	6,487.09	158.31	30.08	-69.43	-489.16	292.99	5,077.70	4,993.62	84.08	60.388		
12,500.00	6,966.93	6,519.00	6,487.09	161.08	30.08	-69.43	-489.16	292.99	5,173.43	5,089.33	84.10	61.515		
12,600.00	6,965.97	6,519.00	6,487.09	163.85	30.08	-69.43	-489.16	292.99	5,269.32	5,185.20	84.12	62.644		
12,700.00	6,965.00	6,519.00	6,487.09	166.63	30.08	-69.43	-489.16	292.99	5,365.35	5,281.22	84.13	63.774		
12,800.00	6,964.04	6,519.00	6,487.09	169.41	30.08	-69.43	-489.16	292.99	5,461.53	5,377.38	84.15	64.905		
12,900.00	6,963.07	6,519.00	6,487.09	172.19	30.08	-69.43	-489.16	292.99	5,557.84	5,473.68	84.16	66.037		
13,000.00	6,962.11	6,519.00	6,487.09	174.97	30.08	-69.43	-489.16	292.99	5,654.29	5,570.11	84.18	67.170		
13,100.00	6,961.14	6,519.00	6,487.09	177.76	30.08	-69.43	-489.16	292.99	5,750.85	5,666.65	84.20	68.304		
13,200.00	6,960.18	6,519.00	6,487.09	180.54	30.08	-69.43	-489.16	292.99	5,847.53	5,763.32	84.21	69.438		
13,300.00	6,959.21	6,519.00	6,487.09	183.33	30.08	-69.43	-489.16	292.99	5,944.32	5,860.09	84.23	70.572		
13,400.00	6,958.25	6,519.00	6,487.09	186.12	30.08	-69.43	-489.16	292.99	6,041.21	5,956.96	84.25	71.707		
13,500.00	6,957.28	6,519.00	6,487.09	188.91	30.08	-69.43	-489.16	292.99	6,138.20	6,053.94	84.27	72.842		
13,600.00	6,956.32	6,519.00	6,487.09	191.70	30.08	-69.43	-489.16	292.99	6,235.29	6,151.00	84.29	73.977		
13,700.00	6,955.35	6,519.00	6,487.09	194.49	30.08	-69.43	-489.16	292.99	6,332.47	6,248.16	84.31	75.112		
13,800.00	6,954.39	6,519.00	6,487.09	197.29	30.08	-69.43	-489.16	292.99	6,429.74	6,345.41	84.33	76.247		
13,900.00	6,953.43	6,519.00	6,487.09	200.08	30.08	-69.43	-489.16	292.99	6,527.08	6,442.73	84.35	77.381		
14,000.00	6,952.46	6,519.00	6,487.09	202.88	30.08	-69.43	-489.16	292.99	6,624.51	6,540.14	84.37	78.516		
14,100.00	6,951.50	6,519.00	6,487.09	205.68	30.08	-69.43	-489.16	292.99	6,722.01	6,637.62	84.40	79.649		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 39-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	6,519.00	6,487.09	208.48	30.08	-69.43	-489.16	292.99	6,819.59	6,735.17	84.42	80.783	
14,300.00	6,949.57	6,519.00	6,487.09	211.28	30.08	-69.43	-489.16	292.99	6,917.23	6,832.79	84.44	81.915	
14,400.00	6,948.60	6,519.00	6,487.09	214.08	30.08	-69.43	-489.16	292.99	7,014.94	6,930.47	84.47	83.047	
14,500.00	6,947.64	6,519.00	6,487.09	216.88	30.08	-69.43	-489.16	292.99	7,112.72	7,028.22	84.50	84.179	
14,600.00	6,946.67	6,519.00	6,487.09	219.68	30.08	-69.43	-489.16	292.99	7,210.55	7,126.03	84.52	85.309	
14,700.00	6,945.71	6,519.00	6,487.09	222.49	30.08	-69.43	-489.16	292.99	7,308.44	7,223.89	84.55	86.439	
14,800.00	6,944.74	6,519.00	6,487.09	225.29	30.08	-69.43	-489.16	292.99	7,406.39	7,321.81	84.58	87.568	
14,900.00	6,943.78	6,519.00	6,487.09	228.10	30.08	-69.43	-489.16	292.99	7,504.40	7,419.79	84.61	88.696	
15,000.00	6,942.81	6,519.00	6,487.09	230.90	30.08	-69.43	-489.16	292.99	7,602.45	7,517.82	84.64	89.823	
15,100.00	6,941.85	6,519.00	6,487.09	233.71	30.08	-69.43	-489.16	292.99	7,700.56	7,615.89	84.67	90.948	
15,200.00	6,940.88	6,478.64	6,446.92	236.52	29.94	-68.01	-490.79	289.55	7,797.94	7,713.28	84.66	92.112	
15,300.00	6,939.92	6,477.59	6,445.87	239.32	29.94	-67.98	-490.83	289.48	7,896.10	7,811.41	84.69	93.237	
15,400.00	6,938.95	6,476.57	6,444.85	242.13	29.93	-67.94	-490.87	289.42	7,994.30	7,909.58	84.72	94.360	
15,500.00	6,937.99	6,475.56	6,443.85	244.94	29.93	-67.91	-490.90	289.35	8,092.55	8,007.79	84.75	95.482	
15,600.00	6,937.02	6,474.58	6,442.87	247.75	29.93	-67.87	-490.94	289.29	8,190.84	8,106.05	84.79	96.602	
15,706.13	6,936.00	6,473.57	6,441.86	250.74	29.92	-67.84	-490.97	289.22	8,295.19	8,210.37	84.83	97.790	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	88.98	9.12	513.88	514.01					
100.00	100.00	98.91	98.91	3.28	3.29	89.01	8.89	513.31	513.42	506.85	6.57	78.117		
200.00	200.00	202.20	202.18	3.34	3.32	89.07	8.26	511.61	511.76	505.10	6.66	76.845		
300.00	300.00	299.16	299.13	3.44	3.41	89.04	8.52	510.11	510.22	503.36	6.86	74.400		
400.00	399.98	396.06	396.01	3.60	3.55	42.01	10.19	509.27	508.08	500.93	7.15	71.036		
500.00	499.84	493.26	493.13	3.81	3.73	42.01	14.11	508.82	503.80	496.27	7.54	66.861		
600.00	599.45	590.76	590.33	4.05	3.96	41.89	21.57	508.94	497.59	489.59	8.00	62.206		
700.00	698.70	688.99	688.19	4.33	4.22	41.93	30.16	509.25	489.00	480.46	8.54	57.281		
800.00	797.47	788.78	787.58	4.64	4.52	42.28	39.01	509.86	478.13	468.99	9.14	52.300		
902.00	897.58	892.07	890.22	4.98	4.87	42.69	50.55	509.98	463.95	454.13	9.83	47.210		
1,000.00	993.42	993.85	990.81	5.33	5.25	42.55	66.00	509.35	448.42	437.87	10.55	42.489		
1,100.00	1,091.22	1,094.09	1,089.42	5.71	5.67	42.03	83.93	507.71	431.64	420.30	11.33	38.081		
1,200.00	1,189.02	1,192.71	1,186.29	6.11	6.10	41.36	102.38	505.98	414.80	402.64	12.15	34.132		
1,300.00	1,286.82	1,289.62	1,281.51	6.53	6.55	40.69	120.28	504.44	398.18	385.18	13.00	30.638		
1,400.00	1,384.62	1,389.86	1,380.03	6.95	7.03	39.94	138.71	502.89	381.65	367.77	13.88	27.503		
1,500.00	1,482.42	1,493.26	1,481.89	7.38	7.53	39.31	156.30	500.43	364.27	349.49	14.78	24.650		
1,600.00	1,580.22	1,589.14	1,576.39	7.83	8.00	38.72	172.31	497.95	346.69	331.02	15.67	22.127		
1,700.00	1,678.03	1,691.77	1,677.63	8.27	8.51	38.11	188.87	494.72	328.55	311.97	16.59	19.809		
1,800.00	1,775.83	1,784.99	1,769.54	8.72	8.97	37.45	204.18	492.08	310.80	293.30	17.50	17.765		
1,900.00	1,873.63	1,878.46	1,861.67	9.18	9.45	36.68	219.89	491.03	294.81	276.39	18.42	16.007		
2,000.00	1,971.43	1,975.41	1,957.17	9.64	9.95	35.74	236.61	490.97	279.99	260.63	19.36	14.464		
2,100.00	2,069.23	2,074.52	2,054.49	10.11	10.48	34.32	255.31	491.14	265.73	245.41	20.32	13.077		
2,200.00	2,167.03	2,179.87	2,157.97	10.57	11.04	32.60	275.01	489.67	250.10	228.80	21.30	11.744		
2,300.00	2,264.83	2,281.29	2,257.79	11.04	11.59	30.94	292.57	485.95	232.20	209.94	22.26	10.432		
2,400.00	2,362.63	2,376.99	2,351.61	11.52	12.11	28.60	311.09	482.38	214.96	191.73	23.23	9.253		
2,500.00	2,460.43	2,473.74	2,446.60	11.99	12.64	26.07	329.28	479.79	198.98	174.78	24.20	8.222		
2,600.00	2,558.23	2,568.83	2,540.03	12.47	13.17	23.35	346.94	478.25	184.37	159.20	25.16	7.327		
2,700.00	2,656.03	2,665.16	2,634.37	12.94	13.71	19.91	366.36	478.53	172.61	146.50	26.11	6.611		
2,800.00	2,753.83	2,765.06	2,732.14	13.42	14.28	15.65	386.91	478.37	161.40	134.37	27.04	5.969		
2,900.00	2,851.63	2,865.39	2,830.34	13.90	14.86	10.62	407.40	477.27	150.34	122.41	27.94	5.381		
3,000.00	2,949.43	2,963.95	2,926.86	14.38	15.42	4.81	427.27	475.29	139.71	110.92	28.79	4.853		
3,100.00	3,047.23	3,063.42	3,024.38	14.87	15.99	-1.70	446.82	473.49	130.53	100.93	29.59	4.411		
3,200.00	3,145.03	3,162.05	3,121.17	15.35	16.55	-8.98	465.62	471.32	122.56	92.22	30.34	4.039		
3,300.00	3,242.83	3,261.21	3,218.64	15.83	17.10	-16.78	483.79	469.59	116.43	85.36	31.06	3.748		
3,400.00	3,340.63	3,359.44	3,315.25	16.32	17.65	-24.93	501.43	468.23	112.47	80.70	31.77	3.541		
3,500.00	3,438.43	3,458.27	3,412.55	16.80	18.19	-32.81	518.77	468.21	110.89	78.38	32.51	3.411		
3,527.03	3,464.87	3,485.06	3,438.93	16.94	18.34	-34.99	523.46	468.16	110.83	78.10	32.73	3.386		
3,600.00	3,536.23	3,557.42	3,510.20	17.29	18.73	-40.86	535.99	468.00	111.32	77.99	33.33	3.340		
3,700.00	3,634.03	3,657.19	3,608.55	17.78	19.27	-48.96	552.70	467.41	113.33	79.08	34.25	3.309		
3,800.00	3,731.83	3,752.64	3,702.48	18.26	19.80	-56.24	569.68	466.81	118.54	83.36	35.18	3.369		
3,900.00	3,829.63	3,850.34	3,798.31	18.75	20.36	-62.74	588.68	466.26	127.22	90.99	36.22	3.512		
4,000.00	3,927.43	3,948.52	3,894.53	19.24	20.93	-68.52	608.15	465.23	137.91	100.58	37.33	3.694		
4,100.00	4,025.23	4,047.64	3,991.76	19.73	21.50	-73.82	627.32	463.47	149.70	111.21	38.49	3.890		
4,200.00	4,123.03	4,146.29	4,088.63	20.22	22.06	-78.49	645.91	461.42	162.32	122.68	39.64	4.095		
4,300.00	4,220.83	4,244.96	4,185.62	20.71	22.62	-82.84	663.76	458.47	175.80	134.99	40.81	4.308		
4,400.00	4,318.63	4,345.10	4,283.98	21.20	23.18	-86.04	682.55	457.44	189.39	147.42	41.97	4.513		
4,500.00	4,416.43	4,443.90	4,381.04	21.69	23.74	-88.68	700.93	456.96	202.98	159.89	43.09	4.710		
4,600.00	4,514.23	4,541.93	4,477.44	22.18	24.29	-91.17	718.77	455.83	217.12	172.93	44.19	4.913		
4,700.00	4,612.03	4,640.86	4,574.77	22.67	24.85	-93.56	736.35	454.04	231.82	186.51	45.31	5.116		
4,800.00	4,709.83	4,741.08	4,673.29	23.16	25.41	-95.38	754.70	453.59	246.19	199.75	46.43	5.302		
4,900.00	4,807.63	4,839.52	4,770.16	23.65	25.96	-97.07	772.25	453.08	260.53	213.01	47.52	5.483		
5,000.00	4,905.43	4,937.36	4,866.47	24.14	26.51	-98.68	789.46	452.02	275.36	226.77	48.59	5.667		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,038.20	4,965.85	24.63	27.06	-100.35	806.47	450.43	290.37	240.67	49.70	5.842		
5,200.00	5,101.03	5,135.65	5,061.97	25.12	27.59	-101.80	822.46	449.60	304.73	253.98	50.75	6.004		
5,300.00	5,198.83	5,232.03	5,156.83	25.62	28.12	-102.98	839.45	448.17	320.45	268.67	51.78	6.189		
5,400.00	5,296.63	5,327.10	5,250.45	26.11	28.66	-104.16	855.87	446.09	336.71	283.94	52.77	6.380		
5,500.00	5,394.43	5,428.63	5,350.22	26.60	29.23	-105.16	874.49	443.60	353.88	300.00	53.89	6.567		
5,600.00	5,492.23	5,530.57	5,450.49	27.09	29.80	-105.97	892.88	442.91	369.46	314.47	54.99	6.718		
5,700.00	5,590.03	5,628.16	5,546.69	27.58	30.34	-106.91	909.18	441.63	385.00	328.98	56.03	6.872		
5,800.00	5,687.83	5,735.94	5,653.29	28.08	30.90	-108.17	924.97	439.85	399.99	342.79	57.19	6.994		
5,900.00	5,785.63	5,833.50	5,750.17	28.57	31.37	-109.58	936.35	438.30	413.71	355.51	58.20	7.108		
6,000.00	5,883.43	5,944.32	5,860.59	29.06	31.87	-111.58	945.41	436.04	426.63	367.30	59.34	7.190		
6,100.00	5,981.23	6,055.01	5,971.20	29.56	32.29	-114.05	949.01	434.96	437.11	376.73	60.38	7.239		
6,200.00	6,079.04	6,159.03	6,075.22	30.05	32.63	-116.65	948.47	435.30	445.69	384.36	61.33	7.267		
6,300.00	6,176.84	6,256.74	6,172.92	30.54	32.94	-119.03	947.81	435.39	455.28	393.06	62.21	7.318		
6,409.71	6,284.13	6,371.33	6,287.50	31.08	33.32	-121.65	946.94	437.10	465.20	402.00	63.21	7.360		
6,450.00	6,323.71	6,415.75	6,331.91	31.28	33.47	-108.44	946.91	438.21	467.54	403.98	63.57	7.355		
6,500.00	6,373.15	6,465.46	6,384.74	31.50	34.20	-82.29	954.32	483.55	458.20	397.41	60.79	7.537		
6,550.00	6,422.65	6,514.66	6,430.85	31.70	34.34	-50.47	956.98	500.22	437.18	375.87	61.31	7.131		
6,600.00	6,471.92	6,564.65	6,480.83	31.89	34.48	-28.09	958.95	515.36	413.09	351.24	61.86	6.678		
6,650.00	6,520.65	6,613.64	6,529.63	32.07	34.61	-14.55	960.76	529.38	386.41	324.04	62.37	6.195		
6,700.00	6,568.54	6,661.63	6,580.60	32.25	34.59	-3.34	959.75	589.64	350.45	294.71	55.74	6.287		
6,750.00	6,615.30	6,708.39	6,628.39	32.43	35.09	7.45	955.97	625.79	307.89	255.09	52.80	5.831		
6,800.00	6,660.63	6,753.72	6,673.72	32.61	35.15	20.38	954.24	645.73	262.67	211.12	51.55	5.095		
6,850.00	6,704.26	6,797.95	6,717.95	32.80	35.20	38.51	953.18	660.13	216.00	165.28	50.72	4.259		
6,900.00	6,745.92	6,839.87	6,759.87	33.00	35.23	61.18	952.51	669.91	168.86	118.59	50.27	3.359		
6,950.00	6,785.34	6,879.87	6,800.87	33.21	35.24	79.90	952.17	674.91	122.78	71.85	50.93	2.411		
7,000.00	6,822.30	6,915.55	6,835.55	33.44	35.25	89.50	952.09	676.11	81.29	26.84	54.45	1.493 Level 3		
7,050.00	6,856.55	6,949.07	6,869.07	33.69	35.24	90.45	952.21	674.33	56.68	-6.64	63.32	0.895 Level 1		
7,058.55	6,862.13	6,955.01	6,875.01	33.74	35.24	89.85	952.25	673.78	56.03	-8.34	64.36	0.870 Level 1, CC, ES, SF		
7,100.00	6,887.90	6,981.33	6,891.33	33.97	35.23	83.97	952.49	670.24	69.69	7.29	62.39	1.117 Level 2		
7,150.00	6,916.14	6,988.98	6,908.98	34.28	35.21	71.30	952.89	664.35	106.84	49.16	57.68	1.852		
7,200.00	6,941.10	6,978.50	6,898.50	34.62	35.19	55.57	953.40	657.05	150.63	94.84	55.78	2.700		
7,250.00	6,962.63	6,966.07	6,826.07	35.00	35.16	41.09	954.02	648.54	196.00	140.77	55.24	3.548		
7,300.00	6,980.59	6,952.03	6,812.03	35.43	35.13	30.18	954.78	639.11	241.43	186.13	55.30	4.366		
7,350.00	6,994.88	6,936.64	6,807.14	35.89	35.10	22.59	955.67	628.99	286.27	230.58	55.69	5.141		
7,400.00	7,005.41	6,919.94	6,794.38	36.39	35.07	17.35	956.70	618.28	330.17	273.93	56.24	5.871		
7,450.00	7,012.10	6,902.18	6,780.56	36.93	35.03	13.66	957.86	607.18	372.91	316.01	56.90	6.554		
7,500.00	7,014.93	6,885.00	6,766.97	37.50	35.00	11.01	959.04	596.74	414.32	356.58	57.74	7.175		
7,517.56	7,015.00	6,885.00	6,766.97	37.70	35.00	10.30	959.04	596.74	428.64	370.15	58.49	7.328		
7,600.00	7,014.21	6,851.32	6,739.49	38.74	34.92	9.89	961.08	577.39	496.01	436.66	59.35	8.357		
7,700.00	7,013.24	6,824.99	6,717.17	40.15	34.85	9.49	962.16	563.46	580.50	519.71	60.78	9.550		
7,800.00	7,012.28	6,803.95	6,698.76	41.71	34.79	9.08	962.41	553.29	667.49	605.53	61.96	10.773		
7,900.00	7,011.31	6,790.00	6,686.29	43.40	34.76	8.76	962.25	547.05	756.51	693.52	63.00	12.008		
8,000.00	7,010.35	6,766.69	6,665.10	45.21	34.68	8.20	961.60	537.36	846.96	783.45	63.51	13.337		
8,100.00	7,009.38	6,742.00	6,642.28	47.12	34.60	7.61	960.59	528.00	938.70	874.84	63.86	14.699		
8,200.00	7,008.42	6,709.30	6,611.90	49.12	34.49	6.90	959.03	515.98	1,031.03	967.04	63.98	16.114		
8,300.00	7,007.45	6,649.83	6,557.09	51.21	34.28	5.83	955.91	493.13	1,122.71	1,059.12	63.59	17.656		
8,400.00	7,006.49	6,600.00	6,511.46	53.36	34.11	5.01	952.46	473.41	1,213.84	1,150.42	63.41	19.141		
8,500.00	7,005.52	6,600.00	6,511.46	55.57	34.11	5.01	952.46	473.41	1,305.59	1,241.51	64.08	20.375		
8,600.00	7,004.56	6,600.00	6,511.46	57.84	34.11	5.01	952.46	473.41	1,398.47	1,333.86	64.61	21.646		
8,700.00	7,003.59	6,600.00	6,511.46	60.16	34.11	5.01	952.46	473.41	1,492.27	1,427.24	65.04	22.945		
8,800.00	7,002.63	6,600.00	6,511.46	62.52	34.11	5.01	952.46	473.41	1,586.83	1,521.44	65.39	24.268		
8,900.00	7,001.66	6,561.90	6,475.93	64.92	33.97	4.48	949.95	459.93	1,679.61	1,614.27	65.34	25.707		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,556.48	6,470.76	67.35	33.95	4.42	949.67	458.31	1,774.62	1,709.05	65.58	27.062		
9,100.00	6,999.73	6,551.51	6,466.01	69.81	33.94	4.36	949.42	456.90	1,870.08	1,804.29	65.79	28.426		
9,200.00	6,998.77	6,546.95	6,461.63	72.31	33.92	4.31	949.21	455.65	1,965.91	1,899.93	65.97	29.799		
9,300.00	6,997.80	6,505.00	6,420.68	74.82	33.77	3.92	947.86	446.75	2,064.36	1,998.46	65.90	31.325		
9,400.00	6,996.84	6,505.00	6,420.68	77.36	33.77	3.92	947.86	446.75	2,160.37	2,094.28	66.09	32.686		
9,500.00	6,995.88	6,505.00	6,420.68	79.92	33.77	3.92	947.86	446.75	2,256.73	2,190.46	66.26	34.057		
9,600.00	6,994.91	6,505.00	6,420.68	82.49	33.77	3.92	947.86	446.75	2,353.39	2,286.97	66.41	35.435		
9,700.00	6,993.95	6,505.00	6,420.68	85.09	33.77	3.92	947.86	446.75	2,450.32	2,383.77	66.55	36.820		
9,800.00	6,992.98	6,505.00	6,420.68	87.70	33.77	3.92	947.86	446.75	2,547.48	2,480.81	66.67	38.211		
9,900.00	6,992.02	6,505.00	6,420.68	90.32	33.77	3.92	947.86	446.75	2,644.86	2,578.08	66.78	39.606		
10,000.00	6,991.05	6,505.00	6,420.68	92.95	33.77	3.92	947.86	446.75	2,742.42	2,675.54	66.88	41.005		
10,100.00	6,990.09	6,505.00	6,420.68	95.60	33.77	3.92	947.86	446.75	2,840.16	2,773.19	66.97	42.407		
10,200.00	6,989.12	6,505.00	6,420.68	98.26	33.77	3.92	947.86	446.75	2,938.05	2,870.99	67.06	43.813		
10,300.00	6,988.16	6,505.00	6,420.68	100.92	33.77	3.92	947.86	446.75	3,036.07	2,968.93	67.14	45.220		
10,400.00	6,987.19	6,505.00	6,420.68	103.60	33.77	3.92	947.86	446.75	3,134.22	3,067.01	67.22	46.629		
10,500.00	6,986.23	6,505.00	6,420.68	106.28	33.77	3.92	947.86	446.75	3,232.48	3,165.20	67.29	48.040		
10,600.00	6,985.26	6,505.00	6,420.68	108.98	33.77	3.92	947.86	446.75	3,330.85	3,263.49	67.36	49.451		
10,700.00	6,984.30	6,505.00	6,420.68	111.68	33.77	3.92	947.86	446.75	3,429.31	3,361.89	67.42	50.863		
10,800.00	6,983.33	6,505.00	6,420.68	114.38	33.77	3.92	947.86	446.75	3,527.86	3,460.37	67.49	52.276		
10,900.00	6,982.37	6,505.00	6,420.68	117.09	33.77	3.92	947.86	446.75	3,626.49	3,558.94	67.55	53.688		
11,000.00	6,981.40	6,505.00	6,420.68	119.81	33.77	3.92	947.86	446.75	3,725.19	3,657.58	67.61	55.101		
11,100.00	6,980.44	6,505.00	6,420.68	122.54	33.77	3.92	947.86	446.75	3,823.96	3,756.29	67.67	56.513		
11,200.00	6,979.47	6,505.00	6,420.68	125.26	33.77	3.92	947.86	446.75	3,922.79	3,855.06	67.72	57.924		
11,300.00	6,978.51	6,505.00	6,420.68	128.00	33.77	3.92	947.86	446.75	4,021.67	3,953.90	67.78	59.335		
11,400.00	6,977.54	6,505.00	6,420.68	130.73	33.77	3.92	947.86	446.75	4,120.62	4,052.78	67.83	60.745		
11,500.00	6,976.58	6,505.00	6,420.68	133.48	33.77	3.92	947.86	446.75	4,219.61	4,151.72	67.89	62.154		
11,600.00	6,975.62	6,505.00	6,420.68	136.22	33.77	3.92	947.86	446.75	4,318.65	4,250.70	67.94	63.561		
11,700.00	6,974.65	6,505.00	6,420.68	138.97	33.77	3.92	947.86	446.75	4,417.73	4,349.73	68.00	64.967		
11,800.00	6,973.69	6,505.00	6,420.68	141.73	33.77	3.92	947.86	446.75	4,516.85	4,448.80	68.05	66.371		
11,900.00	6,972.72	6,505.00	6,420.68	144.48	33.77	3.92	947.86	446.75	4,616.01	4,547.90	68.11	67.774		
12,000.00	6,971.76	6,505.00	6,420.68	147.24	33.77	3.92	947.86	446.75	4,715.21	4,647.04	68.16	69.175		
12,100.00	6,970.79	6,505.00	6,420.68	150.00	33.77	3.92	947.86	446.75	4,814.43	4,746.22	68.22	70.574		
12,200.00	6,969.83	6,505.00	6,420.68	152.77	33.77	3.92	947.86	446.75	4,913.69	4,845.42	68.27	71.971		
12,300.00	6,968.86	6,505.00	6,420.68	155.54	33.77	3.92	947.86	446.75	5,012.98	4,944.66	68.33	73.366		
12,400.00	6,967.90	6,505.00	6,420.68	158.31	33.77	3.92	947.86	446.75	5,112.30	5,043.92	68.38	74.759		
12,500.00	6,966.93	6,505.00	6,420.68	161.08	33.77	3.92	947.86	446.75	5,211.64	5,143.20	68.44	76.149		
12,600.00	6,965.97	6,505.00	6,420.68	163.85	33.77	3.92	947.86	446.75	5,311.01	5,242.52	68.50	77.537		
12,700.00	6,965.00	6,505.00	6,420.68	166.63	33.77	3.92	947.86	446.75	5,410.40	5,341.85	68.55	78.922		
12,800.00	6,964.04	6,505.00	6,420.68	169.41	33.77	3.92	947.86	446.75	5,509.82	5,441.21	68.61	80.305		
12,900.00	6,963.07	6,505.00	6,420.68	172.19	33.77	3.92	947.86	446.75	5,609.25	5,540.58	68.67	81.685		
13,000.00	6,962.11	6,463.71	6,379.74	174.97	33.63	3.64	947.24	441.43	5,707.37	5,638.66	68.71	83.064		
13,100.00	6,961.14	6,462.50	6,378.54	177.76	33.63	3.63	947.22	441.31	5,806.76	5,737.99	68.77	84.437		
13,200.00	6,960.18	6,461.32	6,377.36	180.54	33.62	3.62	947.21	441.20	5,906.18	5,837.35	68.83	85.808		
13,300.00	6,959.21	6,460.18	6,376.23	183.33	33.62	3.61	947.20	441.09	6,005.61	5,936.72	68.89	87.176		
13,400.00	6,958.25	6,459.07	6,375.12	186.12	33.61	3.61	947.19	440.98	6,105.06	6,036.10	68.95	88.540		
13,500.00	6,957.28	6,457.99	6,374.05	188.91	33.61	3.60	947.18	440.88	6,204.52	6,135.51	69.01	89.902		
13,600.00	6,956.32	6,456.94	6,373.00	191.70	33.61	3.60	947.17	440.79	6,304.00	6,234.92	69.08	91.261		
13,700.00	6,955.35	6,455.92	6,371.99	194.49	33.60	3.59	947.16	440.69	6,403.49	6,334.35	69.14	92.616		
13,800.00	6,954.39	6,454.93	6,371.00	197.29	33.60	3.58	947.15	440.61	6,503.00	6,433.80	69.20	93.968		
13,900.00	6,953.43	6,453.97	6,370.04	200.08	33.60	3.58	947.14	440.52	6,602.52	6,533.25	69.27	95.317		
14,000.00	6,952.46	6,453.03	6,369.11	202.88	33.59	3.57	947.13	440.44	6,702.06	6,632.72	69.33	96.663		
14,100.00	6,951.50	6,452.12	6,368.20	205.68	33.59	3.57	947.12	440.36	6,801.60	6,732.20	69.40	98.006		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 168-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	6,410.00	6,326.15	208.48	33.45	3.34	946.90	438.04	6,902.47	6,833.01	69.46	99.375	
14,300.00	6,949.57	6,410.00	6,326.15	211.28	33.45	3.34	946.90	438.04	7,001.98	6,932.45	69.53	100.709	
14,400.00	6,948.60	6,410.00	6,326.15	214.08	33.45	3.34	946.90	438.04	7,101.51	7,031.91	69.60	102.040	
14,500.00	6,947.64	6,410.00	6,326.15	216.88	33.45	3.34	946.90	438.04	7,201.05	7,131.38	69.66	103.367	
14,600.00	6,946.67	6,410.00	6,326.15	219.68	33.45	3.34	946.90	438.04	7,300.60	7,230.87	69.73	104.691	
14,700.00	6,945.71	6,410.00	6,326.15	222.49	33.45	3.34	946.90	438.04	7,400.17	7,330.36	69.81	106.012	
14,800.00	6,944.74	6,410.00	6,326.15	225.29	33.45	3.34	946.90	438.04	7,499.74	7,429.87	69.88	107.328	
14,900.00	6,943.78	6,410.00	6,326.15	228.10	33.45	3.34	946.90	438.04	7,599.33	7,529.38	69.95	108.642	
15,000.00	6,942.81	6,410.00	6,326.15	230.90	33.45	3.34	946.90	438.04	7,698.93	7,628.91	70.02	109.951	
15,100.00	6,941.85	6,410.00	6,326.15	233.71	33.45	3.34	946.90	438.04	7,798.54	7,728.44	70.09	111.257	
15,200.00	6,940.88	6,410.00	6,326.15	236.52	33.45	3.34	946.90	438.04	7,898.15	7,827.99	70.17	112.559	
15,300.00	6,939.92	6,410.00	6,326.15	239.32	33.45	3.34	946.90	438.04	7,997.78	7,927.54	70.24	113.858	
15,400.00	6,938.95	6,410.00	6,326.15	242.13	33.45	3.34	946.90	438.04	8,097.42	8,027.10	70.32	115.152	
15,500.00	6,937.99	6,410.00	6,326.15	244.94	33.45	3.34	946.90	438.04	8,197.07	8,126.67	70.40	116.443	
15,600.00	6,937.02	6,410.00	6,326.15	247.75	33.45	3.34	946.90	438.04	8,296.72	8,226.25	70.47	117.730	
15,706.13	6,936.00	6,410.00	6,326.15	250.74	33.45	3.34	946.90	438.04	8,402.49	8,331.94	70.55	119.092	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	90.65	-5.82	512.21	512.29					
100.00	100.00	93.33	93.33	3.28	3.29	90.67	-5.95	512.18	512.21	505.64	6.57	77.949		
200.00	200.00	194.58	194.58	3.34	3.32	90.72	-6.41	512.05	512.09	505.43	6.65	76.962		
300.00	300.00	298.23	298.22	3.44	3.41	90.82	-7.28	511.35	511.43	504.57	6.86	74.558		
400.00	399.98	397.92	397.90	3.60	3.56	44.06	-7.93	510.26	509.09	501.93	7.16	71.080		
500.00	499.84	501.02	501.00	3.81	3.76	44.63	-8.57	509.00	504.14	496.58	7.56	66.652		
600.00	599.45	601.43	601.39	4.05	3.99	45.54	-9.29	507.23	496.23	488.19	8.04	61.737		
700.00	698.70	696.51	696.45	4.33	4.24	46.68	-9.37	505.88	486.35	477.79	8.56	56.832		
800.00	797.47	798.26	798.20	4.64	4.53	48.20	-8.69	504.64	474.43	465.27	9.15	51.845		
902.00	897.58	898.15	898.06	4.98	4.83	50.00	-6.86	503.21	459.89	450.09	9.79	46.971		
1,000.00	993.42	993.96	993.79	5.33	5.14	51.56	-3.33	502.04	445.16	434.72	10.44	42.638		
1,100.00	1,091.22	1,089.45	1,089.16	5.71	5.45	53.04	1.44	501.41	430.81	419.69	11.13	38.714		
1,200.00	1,189.02	1,185.64	1,185.18	6.11	5.78	54.47	7.25	501.60	417.44	405.59	11.85	35.227		
1,300.00	1,286.82	1,287.60	1,286.92	6.53	6.15	56.00	13.99	501.67	404.10	391.48	12.62	32.028		
1,400.00	1,384.62	1,392.59	1,391.50	6.95	6.55	57.43	22.98	500.94	389.86	376.44	13.42	29.055		
1,500.00	1,482.42	1,497.85	1,495.89	7.38	6.97	58.34	36.43	499.41	374.06	359.82	14.24	26.263		
1,600.00	1,580.22	1,600.78	1,597.67	7.83	7.40	59.06	51.48	496.79	356.83	341.74	15.08	23.657		
1,700.00	1,678.03	1,702.03	1,697.80	8.27	7.84	59.93	66.06	493.07	338.64	322.70	15.93	21.253		
1,800.00	1,775.83	1,801.20	1,795.91	8.72	8.28	61.04	79.73	488.43	319.76	302.97	16.79	19.043		
1,900.00	1,873.63	1,896.25	1,890.06	9.18	8.70	62.38	92.03	484.12	301.42	283.77	17.66	17.069		
2,000.00	1,971.43	1,991.94	1,984.77	9.64	9.14	63.60	105.38	481.32	284.41	265.87	18.54	15.340		
2,100.00	2,069.23	2,089.78	2,081.72	10.11	9.59	65.15	118.30	478.55	267.90	248.47	19.43	13.788		
2,200.00	2,167.03	2,187.03	2,178.20	10.57	10.03	67.10	130.16	475.72	251.94	231.62	20.32	12.397		
2,300.00	2,264.83	2,287.74	2,278.18	11.04	10.50	69.51	141.91	472.68	236.44	215.23	21.21	11.145		
2,400.00	2,362.63	2,388.20	2,377.57	11.52	10.98	71.80	156.00	468.93	219.67	197.56	22.11	9.934		
2,500.00	2,460.43	2,486.74	2,474.86	11.99	11.46	73.96	171.30	465.78	202.99	179.97	23.02	8.817		
2,600.00	2,558.23	2,584.75	2,571.69	12.47	11.95	76.66	186.08	462.34	186.62	162.69	23.94	7.796		
2,700.00	2,656.03	2,684.79	2,670.16	12.94	12.45	79.01	203.55	460.10	170.39	145.54	24.85	6.858		
2,800.00	2,753.83	2,784.00	2,767.74	13.42	12.97	81.99	221.14	456.86	153.52	127.76	25.75	5.961		
2,900.00	2,851.63	2,879.12	2,861.39	13.90	13.46	85.51	237.60	454.30	137.86	111.15	26.71	5.162		
3,000.00	2,949.43	2,977.65	2,958.43	14.38	13.97	89.37	254.63	453.65	124.29	96.68	27.62	4.501		
3,100.00	3,047.23	3,076.42	3,055.79	14.87	14.48	94.65	271.26	452.16	111.23	82.73	28.50	3.903		
3,200.00	3,145.03	3,174.57	3,152.64	15.35	14.98	101.90	286.96	449.72	99.53	70.16	29.37	3.389		
3,300.00	3,242.83	3,272.79	3,249.65	15.83	15.49	111.55	301.96	446.40	90.17	59.95	30.21	2.984		
3,400.00	3,340.63	3,370.79	3,346.49	16.32	15.99	122.71	316.72	443.47	84.22	53.15	31.07	2.710		
3,494.14	3,432.70	3,463.00	3,437.63	16.78	16.46	134.10	330.41	440.88	82.21	50.28	31.93	2.575 CC		
3,500.00	3,438.43	3,468.82	3,443.39	16.80	16.49	134.86	331.26	440.68	82.21	50.23	31.98	2.571 ES		
3,600.00	3,536.23	3,569.20	3,542.52	17.29	17.01	146.81	346.88	438.75	83.20	50.27	32.94	2.526 SF		
3,700.00	3,634.03	3,666.67	3,638.75	17.78	17.51	157.50	362.30	437.36	87.18	53.21	33.97	2.566		
3,800.00	3,731.83	3,765.05	3,735.88	18.26	18.03	167.44	377.76	435.12	94.57	59.53	35.04	2.699		
3,900.00	3,829.63	3,863.13	3,832.61	18.75	18.55	176.31	393.69	431.98	104.65	68.52	36.12	2.897		
4,000.00	3,927.43	3,960.54	3,928.61	19.24	19.06	-176.17	409.71	427.97	117.37	80.17	37.19	3.156		
4,100.00	4,025.23	4,057.83	4,024.53	19.73	19.58	-170.18	425.37	423.49	132.32	94.08	38.24	3.461		
4,200.00	4,123.03	4,154.88	4,120.38	20.22	20.09	-165.82	439.89	419.04	148.96	109.72	39.24	3.796		
4,300.00	4,220.83	4,251.39	4,215.87	20.71	20.58	-162.71	453.10	414.37	167.05	126.85	40.20	4.155		
4,400.00	4,318.63	4,350.42	4,313.95	21.20	21.09	-160.34	465.80	409.25	186.19	144.98	41.21	4.518		
4,500.00	4,416.43	4,452.16	4,414.82	21.69	21.59	-158.67	478.81	406.69	203.14	160.88	42.26	4.807		
4,600.00	4,514.23	4,549.22	4,511.32	22.18	22.06	-157.94	488.91	404.58	220.76	177.59	43.17	5.114		
4,700.00	4,612.03	4,647.42	4,609.16	22.67	22.51	-157.85	497.18	403.69	237.97	193.89	44.08	5.398		
4,800.00	4,709.83	4,742.16	4,703.70	23.16	22.92	-158.15	503.23	402.24	256.48	211.57	44.90	5.712		
4,900.00	4,807.63	4,837.48	4,798.95	23.65	23.32	-158.95	506.56	400.81	276.03	230.33	45.70	6.040		
5,000.00	4,905.43	4,933.72	4,895.17	24.14	23.69	-160.17	507.13	399.47	296.66	250.17	46.49	6.381		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,031.85	4,993.29	24.63	24.07	-161.27	507.67	398.21	317.33	270.02	47.31	6.707		
5,200.00	5,101.03	5,128.25	5,089.69	25.12	24.44	-162.19	508.29	396.81	338.20	290.09	48.11	7.030		
5,300.00	5,198.83	5,224.66	5,186.07	25.62	24.82	-163.02	508.61	395.02	359.63	310.72	48.91	7.353		
5,400.00	5,296.63	5,321.78	5,283.17	26.11	25.19	-163.75	508.96	393.07	381.25	331.53	49.72	7.667		
5,500.00	5,394.43	5,419.44	5,380.81	26.60	25.57	-164.46	508.94	391.19	403.03	352.48	50.55	7.973		
5,600.00	5,492.23	5,519.19	5,480.55	27.09	25.96	-165.05	509.42	389.31	424.59	373.17	51.43	8.256		
5,700.00	5,590.03	5,626.08	5,587.42	27.58	26.39	-165.57	510.86	388.20	445.09	392.67	52.41	8.492		
5,800.00	5,687.83	5,737.00	5,698.30	28.08	26.83	-166.24	512.46	390.33	463.00	409.59	53.41	8.668		
5,900.00	5,785.63	5,835.04	5,796.27	28.57	27.22	-166.71	515.20	393.08	479.54	425.29	54.26	8.839		
6,000.00	5,883.43	5,915.37	5,876.57	29.06	27.54	-167.06	516.71	394.01	498.00	443.14	54.86	9.078		
6,100.00	5,981.23	6,009.31	5,970.50	29.56	27.91	-167.51	516.72	393.22	519.06	463.42	55.64	9.329		
6,200.00	6,079.04	6,106.75	6,067.94	30.05	28.30	-167.85	517.44	391.97	540.16	483.67	56.48	9.563		
6,300.00	6,176.84	6,201.94	6,163.11	30.54	28.67	-168.25	517.30	391.01	561.51	504.23	57.28	9.803		
6,409.71	6,284.13	6,352.41	6,313.50	31.08	29.23	-169.18	515.92	394.52	582.80	524.13	58.68	9.933		
6,450.00	6,323.71	6,505.00	6,463.56	31.28	29.78	-157.05	517.19	420.25	585.32	526.51	58.81	9.953		
6,500.00	6,373.15	6,585.41	6,539.48	31.50	30.04	-132.10	517.32	446.68	577.48	518.73	58.76	9.828		
6,550.00	6,422.65	6,700.52	6,643.22	31.70	30.39	-106.62	516.59	496.33	563.11	505.42	57.69	9.762		
6,600.00	6,471.92	6,796.88	6,723.09	31.89	30.65	-92.69	516.03	550.08	541.68	485.11	56.57	9.575		
6,650.00	6,520.65	6,863.52	6,773.78	32.07	30.81	-88.28	515.30	593.29	516.38	460.09	56.29	9.174		
6,700.00	6,568.54	6,912.32	6,808.48	32.25	30.94	-88.77	514.95	627.59	489.59	432.95	56.64	8.644		
6,750.00	6,615.30	6,946.85	6,831.80	32.43	31.04	-91.07	514.94	653.05	463.08	405.51	57.57	8.044		
6,800.00	6,660.63	6,969.79	6,846.72	32.61	31.12	-93.52	515.07	670.48	438.37	379.47	58.90	7.442		
6,850.00	6,704.26	6,983.64	6,855.50	32.80	31.17	-95.37	515.19	681.19	416.80	356.37	60.43	6.897		
6,900.00	6,745.92	6,990.17	6,859.58	33.00	31.20	-96.30	515.26	686.29	399.50	337.61	61.89	6.455		
6,950.00	6,785.34	6,991.01	6,860.10	33.21	31.20	-96.25	515.27	686.95	387.39	324.33	63.06	6.143		
7,000.00	6,822.30	6,987.24	6,857.75	33.44	31.18	-95.25	515.23	684.00	381.07	317.33	63.73	5.979		
7,027.52	6,841.50	6,983.53	6,855.43	33.58	31.17	-94.32	515.19	681.11	380.15	316.30	63.86	5.953		
7,050.00	6,856.55	6,979.76	6,853.05	33.69	31.15	-93.37	515.15	678.17	380.75	316.94	63.82	5.966		
7,100.00	6,887.90	6,969.23	6,846.36	33.97	31.11	-90.68	515.06	670.05	386.28	322.93	63.34	6.098		
7,150.00	6,916.14	6,956.20	6,837.94	34.28	31.07	-87.31	514.98	660.11	397.10	334.65	62.45	6.359		
7,200.00	6,941.10	6,941.10	6,827.99	34.62	31.02	-83.37	514.93	648.75	412.46	351.14	61.33	6.726		
7,250.00	6,962.63	6,924.27	6,816.67	35.00	30.97	-79.02	514.92	636.30	431.49	371.33	60.15	7.173		
7,300.00	6,980.59	6,905.98	6,804.09	35.43	30.92	-74.43	514.97	623.02	453.31	394.24	59.07	7.674		
7,350.00	6,994.88	6,885.00	6,789.30	35.89	30.87	-69.59	515.11	608.14	477.14	419.05	58.09	8.214		
7,400.00	7,005.41	6,867.15	6,776.43	36.39	30.82	-65.29	515.27	595.78	502.29	444.74	57.55	8.728		
7,450.00	7,012.10	6,847.13	6,761.66	36.93	30.77	-61.02	515.47	582.26	528.23	471.05	57.18	9.238		
7,500.00	7,014.93	6,826.42	6,746.01	37.50	30.72	-57.03	515.69	568.69	554.47	497.41	57.05	9.718		
7,517.56	7,015.00	6,819.00	6,740.32	37.70	30.70	-55.71	515.77	563.93	563.67	506.61	57.06	9.879		
7,600.00	7,014.21	6,790.00	6,717.65	38.74	30.63	-53.47	516.12	545.86	609.47	552.03	57.44	10.610		
7,700.00	7,013.24	6,754.15	6,688.63	40.15	30.53	-50.77	516.47	524.82	671.47	613.58	57.89	11.599		
7,800.00	7,012.28	6,725.95	6,665.03	41.71	30.45	-48.72	516.59	509.38	739.51	680.91	58.60	12.620		
7,900.00	7,011.31	6,695.00	6,638.41	43.40	30.37	-46.56	516.56	493.61	812.46	753.38	59.08	13.752		
8,000.00	7,010.35	6,676.15	6,621.86	45.21	30.31	-45.29	516.54	484.58	889.20	829.32	59.88	14.850		
8,100.00	7,009.38	6,653.01	6,601.26	47.12	30.25	-43.78	516.60	474.03	969.03	908.64	60.40	16.045		
8,200.00	7,008.42	6,632.26	6,582.55	49.12	30.18	-42.46	516.74	465.09	1,051.37	990.50	60.87	17.272		
8,300.00	7,007.45	6,600.00	6,553.00	51.21	30.09	-40.50	517.13	452.15	1,136.00	1,074.99	61.01	18.621		
8,400.00	7,006.49	6,600.00	6,553.00	53.36	30.09	-40.50	517.13	452.15	1,222.02	1,160.27	61.75	19.790		
8,500.00	7,005.52	6,600.00	6,553.00	55.57	30.09	-40.50	517.13	452.15	1,310.03	1,247.69	62.34	21.016		
8,600.00	7,004.56	6,565.97	6,521.33	57.84	29.98	-38.55	517.47	439.70	1,398.60	1,336.28	62.32	22.444		
8,700.00	7,003.59	6,552.33	6,508.51	60.16	29.94	-37.81	517.51	435.03	1,488.59	1,426.01	62.58	23.787		
8,800.00	7,002.63	6,539.66	6,496.56	62.52	29.90	-37.15	517.49	430.86	1,579.49	1,516.68	62.81	25.146		
8,900.00	7,001.66	6,505.00	6,463.56	64.92	29.78	-35.44	517.19	420.25	1,671.63	1,608.86	62.77	26.631		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,505.00	6,463.56	67.35	29.78	-35.44	517.19	420.25	1,763.70	1,700.61	63.09	27.954		
9,100.00	6,999.73	6,505.00	6,463.56	69.81	29.78	-35.44	517.19	420.25	1,856.59	1,793.23	63.37	29.299		
9,200.00	6,998.77	6,505.00	6,463.56	72.31	29.78	-35.44	517.19	420.25	1,950.19	1,886.59	63.60	30.664		
9,300.00	6,997.80	6,505.00	6,463.56	74.82	29.78	-35.44	517.19	420.25	2,044.39	1,980.59	63.80	32.044		
9,400.00	6,996.84	6,505.00	6,463.56	77.36	29.78	-35.44	517.19	420.25	2,139.12	2,075.14	63.97	33.438		
9,500.00	6,995.88	6,505.00	6,463.56	79.92	29.78	-35.44	517.19	420.25	2,234.31	2,170.18	64.12	34.843		
9,600.00	6,994.91	6,505.00	6,463.56	82.49	29.78	-35.44	517.19	420.25	2,329.90	2,265.64	64.26	36.258		
9,700.00	6,993.95	6,505.00	6,463.56	85.09	29.78	-35.44	517.19	420.25	2,425.84	2,361.46	64.38	37.682		
9,800.00	6,992.98	6,466.12	6,426.00	87.70	29.65	-33.66	516.71	410.27	2,520.53	2,456.23	64.30	39.201		
9,900.00	6,992.02	6,461.80	6,421.78	90.32	29.63	-33.47	516.66	409.31	2,616.71	2,552.33	64.39	40.640		
10,000.00	6,991.05	6,457.74	6,417.81	92.95	29.62	-33.30	516.62	408.44	2,713.14	2,648.67	64.47	42.082		
10,100.00	6,990.09	6,453.90	6,414.06	95.60	29.60	-33.13	516.58	407.65	2,809.78	2,745.23	64.55	43.528		
10,200.00	6,989.12	6,450.29	6,410.52	98.26	29.59	-32.97	516.55	406.92	2,906.63	2,842.00	64.63	44.977		
10,300.00	6,988.16	6,410.00	6,370.79	100.92	29.45	-31.32	516.25	400.30	3,005.03	2,940.47	64.56	46.546		
10,400.00	6,987.19	6,410.00	6,370.79	103.60	29.45	-31.32	516.25	400.30	3,101.99	3,037.34	64.65	47.983		
10,500.00	6,986.23	6,410.00	6,370.79	106.28	29.45	-31.32	516.25	400.30	3,199.13	3,134.40	64.73	49.424		
10,600.00	6,985.26	6,410.00	6,370.79	108.98	29.45	-31.32	516.25	400.30	3,296.45	3,231.64	64.80	50.868		
10,700.00	6,984.30	6,410.00	6,370.79	111.68	29.45	-31.32	516.25	400.30	3,393.92	3,329.04	64.88	52.314		
10,800.00	6,983.33	6,410.00	6,370.79	114.38	29.45	-31.32	516.25	400.30	3,491.53	3,426.59	64.94	53.762		
10,900.00	6,982.37	6,410.00	6,370.79	117.09	29.45	-31.32	516.25	400.30	3,589.28	3,524.27	65.01	55.212		
11,000.00	6,981.40	6,410.00	6,370.79	119.81	29.45	-31.32	516.25	400.30	3,687.15	3,622.07	65.07	56.662		
11,100.00	6,980.44	6,410.00	6,370.79	122.54	29.45	-31.32	516.25	400.30	3,785.13	3,719.99	65.13	58.113		
11,200.00	6,979.47	6,410.00	6,370.79	125.26	29.45	-31.32	516.25	400.30	3,883.21	3,818.01	65.19	59.565		
11,300.00	6,978.51	6,410.00	6,370.79	128.00	29.45	-31.32	516.25	400.30	3,981.38	3,916.13	65.25	61.017		
11,400.00	6,977.54	6,410.00	6,370.79	130.73	29.45	-31.32	516.25	400.30	4,079.65	4,014.34	65.31	62.469		
11,500.00	6,976.58	6,410.00	6,370.79	133.48	29.45	-31.32	516.25	400.30	4,178.00	4,112.63	65.36	63.920		
11,600.00	6,975.62	6,410.00	6,370.79	136.22	29.45	-31.32	516.25	400.30	4,276.42	4,211.00	65.42	65.371		
11,700.00	6,974.65	6,410.00	6,370.79	138.97	29.45	-31.32	516.25	400.30	4,374.92	4,309.45	65.47	66.822		
11,800.00	6,973.69	6,410.00	6,370.79	141.73	29.45	-31.32	516.25	400.30	4,473.48	4,407.95	65.53	68.271		
11,900.00	6,972.72	6,410.00	6,370.79	144.48	29.45	-31.32	516.25	400.30	4,572.11	4,506.53	65.58	69.719		
12,000.00	6,971.76	6,410.00	6,370.79	147.24	29.45	-31.32	516.25	400.30	4,670.79	4,605.16	65.63	71.166		
12,100.00	6,970.79	6,410.00	6,370.79	150.00	29.45	-31.32	516.25	400.30	4,769.53	4,703.84	65.69	72.612		
12,200.00	6,969.83	6,410.00	6,370.79	152.77	29.45	-31.32	516.25	400.30	4,868.32	4,802.58	65.74	74.056		
12,300.00	6,968.86	6,410.00	6,370.79	155.54	29.45	-31.32	516.25	400.30	4,967.16	4,901.36	65.79	75.498		
12,400.00	6,967.90	6,410.00	6,370.79	158.31	29.45	-31.32	516.25	400.30	5,066.04	5,000.19	65.84	76.939		
12,500.00	6,966.93	6,410.00	6,370.79	161.08	29.45	-31.32	516.25	400.30	5,164.97	5,099.07	65.90	78.378		
12,600.00	6,965.97	6,410.00	6,370.79	163.85	29.45	-31.32	516.25	400.30	5,263.93	5,197.98	65.95	79.814		
12,700.00	6,965.00	6,410.00	6,370.79	166.63	29.45	-31.32	516.25	400.30	5,362.94	5,296.93	66.01	81.249		
12,800.00	6,964.04	6,410.00	6,370.79	169.41	29.45	-31.32	516.25	400.30	5,461.98	5,395.92	66.06	82.681		
12,900.00	6,963.07	6,410.00	6,370.79	172.19	29.45	-31.32	516.25	400.30	5,561.06	5,494.94	66.12	84.110		
13,000.00	6,962.11	6,410.00	6,370.79	174.97	29.45	-31.32	516.25	400.30	5,660.17	5,593.99	66.17	85.538		
13,100.00	6,961.14	6,410.00	6,370.79	177.76	29.45	-31.32	516.25	400.30	5,759.31	5,693.08	66.23	86.962		
13,200.00	6,960.18	6,410.00	6,370.79	180.54	29.45	-31.32	516.25	400.30	5,858.47	5,792.19	66.28	88.384		
13,300.00	6,959.21	6,410.00	6,370.79	183.33	29.45	-31.32	516.25	400.30	5,957.67	5,891.33	66.34	89.804		
13,400.00	6,958.25	6,410.00	6,370.79	186.12	29.45	-31.32	516.25	400.30	6,056.89	5,990.50	66.40	91.220		
13,500.00	6,957.28	6,410.00	6,370.79	188.91	29.45	-31.32	516.25	400.30	6,156.14	6,089.69	66.46	92.634		
13,600.00	6,956.32	6,410.00	6,370.79	191.70	29.45	-31.32	516.25	400.30	6,255.41	6,188.90	66.52	94.044		
13,700.00	6,955.35	6,410.00	6,370.79	194.49	29.45	-31.32	516.25	400.30	6,354.71	6,288.13	66.58	95.452		
13,800.00	6,954.39	6,410.00	6,370.79	197.29	29.45	-31.32	516.25	400.30	6,454.03	6,387.39	66.64	96.856		
13,900.00	6,953.43	6,410.00	6,370.79	200.08	29.45	-31.32	516.25	400.30	6,553.36	6,486.67	66.70	98.257		
14,000.00	6,952.46	6,410.00	6,370.79	202.88	29.45	-31.32	516.25	400.30	6,652.72	6,585.96	66.76	99.655		
14,100.00	6,951.50	6,410.00	6,370.79	205.68	29.45	-31.32	516.25	400.30	6,752.10	6,685.28	66.82	101.050		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 165-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	6,410.00	6,370.79	208.48	29.45	-31.32	516.25	400.30	6,851.49	6,784.61	66.88	102.441	
14,300.00	6,949.57	6,410.00	6,370.79	211.28	29.45	-31.32	516.25	400.30	6,950.90	6,883.96	66.95	103.829	
14,400.00	6,948.60	6,368.36	6,329.40	214.08	29.29	-29.75	516.01	395.78	7,049.30	6,982.33	66.97	105.257	
14,500.00	6,947.64	6,367.23	6,328.27	216.88	29.29	-29.71	516.00	395.68	7,148.69	7,081.65	67.04	106.639	
14,600.00	6,946.67	6,366.12	6,327.17	219.68	29.28	-29.67	516.00	395.58	7,248.09	7,180.99	67.10	108.017	
14,700.00	6,945.71	6,365.04	6,326.09	222.49	29.28	-29.63	515.99	395.49	7,347.51	7,280.34	67.17	109.391	
14,800.00	6,944.74	6,363.98	6,325.04	225.29	29.27	-29.59	515.98	395.40	7,446.94	7,379.71	67.23	110.762	
14,900.00	6,943.78	6,362.95	6,324.01	228.10	29.27	-29.55	515.98	395.32	7,546.39	7,479.09	67.30	112.129	
15,000.00	6,942.81	6,361.94	6,323.01	230.90	29.27	-29.52	515.97	395.24	7,645.85	7,578.48	67.37	113.492	
15,100.00	6,941.85	6,360.96	6,322.03	233.71	29.26	-29.48	515.97	395.16	7,745.32	7,677.89	67.44	114.852	
15,200.00	6,940.88	6,360.00	6,321.07	236.52	29.26	-29.45	515.96	395.09	7,844.81	7,777.30	67.51	116.208	
15,300.00	6,939.92	6,359.06	6,320.13	239.32	29.26	-29.42	515.96	395.01	7,944.31	7,876.73	67.58	117.560	
15,400.00	6,938.95	6,358.14	6,319.21	242.13	29.25	-29.38	515.95	394.94	8,043.82	7,976.17	67.65	118.907	
15,500.00	6,937.99	6,357.24	6,318.32	244.94	29.25	-29.35	515.95	394.87	8,143.33	8,075.62	67.72	120.251	
15,600.00	6,937.02	6,315.00	6,276.14	247.75	29.09	-27.93	515.71	392.63	8,243.87	8,176.11	67.76	121.662	
15,706.13	6,936.00	6,315.00	6,276.14	250.74	29.09	-27.93	515.71	392.63	8,349.46	8,281.62	67.84	123.078	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	100.73	-95.44	503.58	512.59					
100.00	100.00	100.22	100.21	3.28	3.30	100.80	-95.88	502.61	511.72	505.14	6.59	77.704		
200.00	200.00	204.27	204.24	3.34	3.38	100.97	-97.03	500.45	509.89	503.17	6.72	75.873		
300.00	300.00	302.76	302.68	3.44	3.51	101.22	-98.76	497.89	507.68	500.72	6.96	72.971		
400.00	399.98	394.48	394.34	3.60	3.68	54.73	-101.40	496.21	505.46	498.18	7.28	69.474		
500.00	499.84	487.58	487.37	3.81	3.88	55.64	-105.05	495.93	502.98	495.31	7.68	65.505		
600.00	599.45	583.22	582.89	4.05	4.12	57.01	-109.86	496.29	499.67	491.51	8.16	61.229		
700.00	698.70	691.72	691.09	4.33	4.43	59.29	-117.72	495.75	494.63	485.88	8.75	56.535		
800.00	797.47	799.08	797.84	4.64	4.79	62.46	-128.24	491.51	486.11	476.70	9.41	51.646		
902.00	897.58	889.57	887.41	4.98	5.13	65.97	-140.09	486.52	476.98	466.89	10.09	47.268		
1,000.00	993.42	976.77	973.47	5.33	5.48	69.65	-153.42	482.04	470.80	460.00	10.80	43.595		
1,100.00	1,091.22	1,071.61	1,066.80	5.71	5.90	73.89	-169.37	476.85	467.54	455.95	11.59	40.335		
1,155.89	1,145.88	1,121.17	1,115.56	5.94	6.13	76.14	-177.84	473.96	466.89	454.85	12.03	38.796 CC, ES		
1,200.00	1,189.02	1,159.05	1,152.81	6.11	6.30	77.86	-184.42	471.99	467.31	454.93	12.38	37.739		
1,300.00	1,286.82	1,246.01	1,238.30	6.53	6.72	81.75	-199.89	468.29	471.26	458.08	13.18	35.744		
1,400.00	1,384.62	1,334.03	1,324.68	6.95	7.16	85.66	-216.50	465.16	479.20	465.20	13.99	34.244		
1,500.00	1,482.42	1,431.97	1,421.01	7.38	7.64	89.67	-234.05	463.08	490.10	475.25	14.85	33.008		
1,600.00	1,580.22	1,539.44	1,527.34	7.83	8.16	93.57	-249.53	461.17	500.85	485.10	15.74	31.812		
1,700.00	1,678.03	1,637.45	1,624.46	8.27	8.63	96.98	-262.35	458.51	511.96	495.37	16.59	30.869		
1,800.00	1,775.83	1,734.34	1,720.48	8.72	9.11	100.24	-274.98	455.41	524.55	507.12	17.43	30.100		
1,900.00	1,873.63	1,825.26	1,810.31	9.18	9.56	103.43	-287.99	450.13	538.75	520.52	18.23	29.547		
2,000.00	1,971.43	1,916.23	1,900.23	9.64	10.03	106.35	-301.16	446.30	555.53	536.49	19.04	29.176		
2,100.00	2,069.23	2,003.26	1,985.99	10.11	10.49	109.19	-314.95	440.93	574.41	554.59	19.81	28.990		
2,200.00	2,167.03	2,090.52	2,071.81	10.57	10.96	111.86	-329.98	436.20	596.34	575.75	20.58	28.972		
2,300.00	2,264.83	2,181.96	2,161.89	11.04	11.45	114.34	-345.36	432.63	619.72	598.34	21.38	28.986		
2,400.00	2,362.63	2,263.07	2,241.61	11.52	11.90	116.41	-359.96	429.68	645.41	623.33	22.08	29.226		
2,500.00	2,460.43	2,338.30	2,315.19	11.99	12.34	118.26	-375.36	426.71	674.33	651.61	22.72	29.678		
2,600.00	2,558.23	2,441.70	2,416.31	12.47	12.94	120.51	-396.77	423.85	704.61	680.97	23.64	29.810		
2,700.00	2,656.03	2,525.41	2,498.18	12.94	13.43	122.19	-414.02	421.56	735.56	711.20	24.36	30.201		
2,800.00	2,753.83	2,624.11	2,594.50	13.42	14.02	124.26	-434.72	415.68	767.25	742.02	25.23	30.406		
2,900.00	2,851.63	2,702.32	2,670.62	13.90	14.50	125.89	-451.58	409.58	800.15	774.25	25.90	30.889		
3,000.00	2,949.43	2,822.18	2,787.47	14.38	15.23	128.19	-476.61	400.25	833.30	806.29	27.01	30.854		
3,100.00	3,047.23	2,927.89	2,891.19	14.87	15.84	129.95	-495.72	393.26	864.42	836.46	27.95	30.923		
3,200.00	3,145.03	3,030.47	2,992.15	15.35	16.42	131.44	-513.04	387.89	894.95	866.08	28.87	31.002		
3,300.00	3,242.83	3,148.59	3,108.84	15.83	17.05	132.92	-530.83	383.48	924.16	894.25	29.91	30.895		
3,400.00	3,340.63	3,245.87	3,205.26	16.32	17.56	133.99	-543.49	380.99	951.67	920.89	30.77	30.923		
3,500.00	3,438.43	3,323.77	3,282.32	16.80	17.97	134.88	-554.39	377.62	980.54	949.07	31.47	31.155		
3,600.00	3,536.23	3,401.18	3,358.63	17.29	18.40	135.77	-566.66	373.44	1,011.52	979.36	32.16	31.451		
3,700.00	3,634.03	3,495.23	3,451.28	17.78	18.92	136.75	-582.24	369.02	1,043.44	1,010.43	33.01	31.610		
3,800.00	3,731.83	3,596.75	3,551.39	18.26	19.48	137.71	-598.58	364.96	1,075.09	1,041.16	33.93	31.686		
3,900.00	3,829.63	3,687.23	3,640.64	18.75	19.99	138.57	-612.65	360.34	1,106.61	1,071.87	34.75	31.848		
4,000.00	3,927.43	3,761.00	3,713.27	19.24	20.40	139.25	-624.98	356.32	1,139.51	1,104.10	35.40	32.187		
4,100.00	4,025.23	3,843.01	3,793.81	19.73	20.88	139.96	-639.77	351.85	1,173.84	1,137.70	36.14	32.481		
4,200.00	4,123.03	3,925.76	3,874.94	20.22	21.37	140.63	-655.40	347.28	1,209.17	1,172.28	36.88	32.783		
4,300.00	4,220.83	4,019.39	3,966.65	20.71	21.93	141.35	-673.55	342.27	1,245.12	1,207.37	37.75	32.986		
4,400.00	4,318.63	4,108.04	4,053.52	21.20	22.46	141.98	-690.61	337.63	1,281.07	1,242.51	38.56	33.223		
4,500.00	4,416.43	4,211.89	4,155.27	21.69	23.08	142.68	-710.67	332.14	1,317.27	1,277.73	39.53	33.320		
4,600.00	4,514.23	4,285.30	4,227.26	22.18	23.52	143.15	-724.57	328.50	1,353.24	1,313.05	40.19	33.673		
4,700.00	4,612.03	4,361.52	4,301.64	22.67	23.99	143.64	-740.50	323.69	1,391.24	1,350.37	40.87	34.042		
4,800.00	4,709.83	4,464.03	4,401.86	23.16	24.62	144.26	-761.19	317.67	1,428.65	1,386.80	41.84	34.144		
4,900.00	4,807.63	4,558.30	4,493.90	23.65	25.20	144.83	-780.52	311.27	1,466.73	1,424.01	42.72	34.331		
5,000.00	4,905.43	4,666.00	4,599.47	24.14	25.85	145.44	-800.74	304.49	1,503.12	1,459.37	43.75	34.358		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	4,793.66	4,724.63	24.63	26.61	146.17	-824.18	295.41	1,539.84	1,494.88	44.97	34.245		
5,200.00	5,101.03	4,861.30	4,791.13	25.12	27.00	146.54	-835.53	290.70	1,575.02	1,529.44	45.58	34.559		
5,300.00	5,198.83	4,939.16	4,867.39	25.62	27.47	146.92	-850.52	285.84	1,612.16	1,565.87	46.29	34.830		
5,400.00	5,296.63	5,056.17	4,982.21	26.11	28.16	147.43	-872.13	279.55	1,648.49	1,601.08	47.41	34.775		
5,500.00	5,394.43	5,151.72	5,076.11	26.60	28.72	147.80	-889.24	275.20	1,684.19	1,635.89	48.30	34.869		
5,600.00	5,492.23	5,245.30	5,168.07	27.09	29.27	148.15	-906.05	270.99	1,719.99	1,670.82	49.18	34.975		
5,700.00	5,590.03	5,333.21	5,254.46	27.58	29.78	148.47	-921.86	267.12	1,755.84	1,705.84	50.00	35.117		
5,800.00	5,687.83	5,439.27	5,358.64	28.08	30.40	148.80	-941.37	263.23	1,791.94	1,740.94	51.00	35.134		
5,900.00	5,785.63	5,578.16	5,594.99	28.57	31.66	149.43	-975.39	259.77	1,823.65	1,770.52	53.13	34.322		
6,000.00	5,883.43	5,918.83	5,835.19	29.06	32.67	150.23	-988.87	255.88	1,847.07	1,792.17	54.89	33.648		
6,100.00	5,981.23	6,042.43	5,958.75	29.56	33.11	150.71	-989.68	253.14	1,866.55	1,810.68	55.87	33.407		
6,200.00	6,079.04	6,129.53	6,045.81	30.05	33.42	151.05	-989.92	250.81	1,885.96	1,829.28	56.68	33.273		
6,300.00	6,176.84	6,260.94	6,177.19	30.54	33.86	151.54	-989.50	247.88	1,904.74	1,847.06	57.68	33.025		
6,409.71	6,284.13	6,396.27	6,312.50	31.08	34.28	151.95	-988.45	248.28	1,924.17	1,865.47	58.70	32.778		
6,450.00	6,323.71	6,454.51	6,370.74	31.28	34.46	166.74	-987.09	248.54	1,930.23	1,871.13	59.10	32.662		
6,500.00	6,373.15	6,516.89	6,532.74	31.50	34.91	-165.51	-981.08	256.35	1,935.79	1,876.03	59.76	32.393		
6,550.00	6,422.65	6,660.49	6,575.99	31.70	35.03	-134.50	-978.98	261.47	1,937.54	1,877.39	60.14	32.215		
6,600.00	6,471.92	6,702.71	6,617.71	31.89	35.14	-113.37	-977.57	267.82	1,938.03	1,877.52	60.52	32.025		
6,650.00	6,520.65	6,784.23	6,696.82	32.07	35.35	-102.21	-976.72	287.09	1,936.94	1,875.99	60.95	31.780		
6,700.00	6,568.54	6,828.37	6,738.21	32.25	35.46	-95.93	-977.37	302.39	1,934.25	1,872.92	61.33	31.538		
6,750.00	6,615.30	6,858.05	6,765.49	32.43	35.54	-92.18	-978.36	314.03	1,930.88	1,869.19	61.69	31.300		
6,800.00	6,660.63	6,883.35	6,788.37	32.61	35.60	-89.92	-979.56	324.76	1,927.07	1,865.04	62.04	31.063		
6,850.00	6,704.26	6,850.00	7,015.81	32.80	35.92	-95.78	-986.94	491.10	1,920.30	1,859.03	61.27	31.340		
6,900.00	6,745.92	7,203.44	7,038.30	33.00	36.16	-95.73	-987.35	518.42	1,913.87	1,850.43	63.44	30.170		
6,950.00	6,785.34	7,202.08	7,037.50	33.21	36.16	-94.91	-987.33	517.33	1,908.19	1,844.32	63.86	29.879		
7,000.00	6,822.30	7,201.27	7,036.81	33.44	36.17	-94.32	-987.33	516.82	1,903.27	1,839.02	64.25	29.622		
7,050.00	6,856.55	7,188.38	7,029.32	33.69	36.15	-93.51	-987.11	506.34	1,899.19	1,834.55	64.63	29.383		
7,100.00	6,887.90	7,174.38	7,020.85	33.97	36.13	-92.75	-986.90	495.19	1,895.86	1,830.84	65.01	29.161		
7,150.00	6,916.14	7,159.62	7,011.55	34.28	36.11	-92.05	-986.72	483.74	1,893.26	1,827.86	65.40	28.951		
7,200.00	6,941.10	7,144.33	7,001.53	34.62	36.09	-91.37	-986.58	472.19	1,891.36	1,825.57	65.79	28.747		
7,250.00	6,962.63	7,128.65	6,990.86	35.00	36.07	-90.71	-986.48	460.70	1,890.12	1,823.91	66.21	28.546		
7,300.00	6,980.59	7,112.67	6,979.58	35.43	36.05	-90.07	-986.42	449.39	1,889.51	1,822.85	66.66	28.345		
7,350.00	6,994.88	7,350.00	6,945.93	35.89	36.57	-88.67	-986.11	421.61	1,889.39	1,821.47	67.92	27.818		
7,354.52	6,995.99	7,354.52	6,944.58	35.93	36.58	-88.61	-986.09	420.63	1,889.39	1,821.41	67.98	27.791		
7,400.00	7,005.41	7,058.06	6,938.26	36.39	35.97	-88.24	-986.31	413.73	1,889.90	1,822.35	67.54	27.981		
7,450.00	7,012.10	7,010.94	6,899.85	36.93	35.90	-86.85	-985.47	386.45	1,890.37	1,822.46	67.91	27.837		
7,500.00	7,014.93	6,966.96	6,862.00	37.50	35.80	-85.58	-983.95	364.10	1,890.88	1,822.57	68.31	27.679		
7,517.56	7,015.00	6,951.18	6,848.27	37.70	35.76	-85.15	-983.27	356.35	1,891.05	1,822.59	68.46	27.624		
7,600.00	7,014.21	6,899.00	6,802.34	38.74	35.64	-83.76	-980.46	331.76	1,892.91	1,823.59	69.32	27.306		
7,700.00	7,013.24	6,899.00	6,802.34	40.15	35.64	-83.76	-980.46	331.76	1,899.50	1,828.55	70.95	26.774		
7,800.00	7,012.28	6,857.94	6,765.39	41.71	35.54	-82.64	-978.36	313.99	1,910.21	1,837.83	72.37	26.394		
7,900.00	7,011.31	6,841.91	6,750.71	43.40	35.50	-82.20	-977.77	307.57	1,926.03	1,851.99	74.04	26.013		
8,000.00	7,010.35	6,803.00	6,714.55	45.21	35.40	-81.12	-976.89	293.25	1,946.97	1,871.40	75.57	25.764		
8,100.00	7,009.38	6,803.00	6,714.55	47.12	35.40	-81.12	-976.89	293.25	1,971.76	1,894.37	77.39	25.479		
8,200.00	7,008.42	6,803.00	6,714.55	49.12	35.40	-81.12	-976.89	293.25	2,001.25	1,922.08	79.17	25.279		
8,300.00	7,007.45	6,803.00	6,714.55	51.21	35.40	-81.12	-976.89	293.25	2,035.23	1,954.35	80.88	25.163		
8,400.00	7,006.49	6,803.00	6,714.55	53.36	35.40	-81.12	-976.89	293.25	2,073.48	1,990.96	82.52	25.126 SF		
8,500.00	7,005.52	6,803.00	6,714.55	55.57	35.40	-81.12	-976.89	293.25	2,115.77	2,031.69	84.07	25.165		
8,600.00	7,004.56	6,765.66	6,679.08	57.84	35.30	-80.06	-976.69	281.63	2,160.59	2,075.27	85.32	25.323		
8,700.00	7,003.59	6,758.68	6,672.36	60.16	35.29	-79.86	-976.71	279.73	2,209.69	2,123.04	86.65	25.501		
8,800.00	7,002.63	6,752.29	6,666.18	62.52	35.27	-79.68	-976.75	278.08	2,262.06	2,174.17	87.89	25.737		
8,900.00	7,001.66	6,746.42	6,660.49	64.92	35.25	-79.51	-976.79	276.63	2,317.50	2,228.46	89.04	26.028		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,708.00	6,622.92	67.35	35.15	-78.41	-977.44	268.71	2,376.86	2,286.94	89.92	26.434		
9,100.00	6,999.73	6,708.00	6,622.92	69.81	35.15	-78.41	-977.44	268.71	2,437.53	2,346.61	90.92	26.809		
9,200.00	6,998.77	6,708.00	6,622.92	72.31	35.15	-78.41	-977.44	268.71	2,500.72	2,408.88	91.84	27.229		
9,300.00	6,997.80	6,708.00	6,622.92	74.82	35.15	-78.41	-977.44	268.71	2,566.26	2,473.58	92.67	27.691		
9,400.00	6,996.84	6,708.00	6,622.92	77.36	35.15	-78.41	-977.44	268.71	2,633.96	2,540.53	93.43	28.192		
9,500.00	6,995.88	6,708.00	6,622.92	79.92	35.15	-78.41	-977.44	268.71	2,703.67	2,609.55	94.12	28.726		
9,600.00	6,994.91	6,708.00	6,622.92	82.49	35.15	-78.41	-977.44	268.71	2,775.23	2,680.49	94.74	29.293		
9,700.00	6,993.95	6,708.00	6,622.92	85.09	35.15	-78.41	-977.44	268.71	2,848.50	2,753.20	95.30	29.889		
9,800.00	6,992.98	6,708.00	6,622.92	87.70	35.15	-78.41	-977.44	268.71	2,923.36	2,827.55	95.81	30.511		
9,900.00	6,992.02	6,708.00	6,622.92	90.32	35.15	-78.41	-977.44	268.71	2,999.68	2,903.41	96.27	31.158		
10,000.00	6,991.05	6,708.00	6,622.92	92.95	35.15	-78.41	-977.44	268.71	3,077.37	2,980.68	96.69	31.827		
10,100.00	6,990.09	6,708.00	6,622.92	95.60	35.15	-78.41	-977.44	268.71	3,156.30	3,059.24	97.07	32.517		
10,200.00	6,989.12	6,708.00	6,622.92	98.26	35.15	-78.41	-977.44	268.71	3,236.41	3,139.00	97.41	33.226		
10,300.00	6,988.16	6,708.00	6,622.92	100.92	35.15	-78.41	-977.44	268.71	3,317.59	3,219.88	97.71	33.953		
10,400.00	6,987.19	6,708.00	6,622.92	103.60	35.15	-78.41	-977.44	268.71	3,399.77	3,301.78	97.99	34.695		
10,500.00	6,986.23	6,708.00	6,622.92	106.28	35.15	-78.41	-977.44	268.71	3,482.89	3,384.65	98.24	35.452		
10,600.00	6,985.26	6,673.97	6,589.33	108.98	35.06	-77.43	-978.46	263.35	3,566.23	3,467.83	98.39	36.245		
10,700.00	6,984.30	6,670.14	6,585.54	111.68	35.05	-77.32	-978.60	262.81	3,650.87	3,552.27	98.60	37.029		
10,800.00	6,983.33	6,666.46	6,581.89	114.38	35.04	-77.22	-978.74	262.29	3,736.26	3,637.48	98.78	37.824		
10,900.00	6,982.37	6,662.90	6,578.37	117.09	35.04	-77.12	-978.88	261.80	3,822.34	3,723.39	98.95	38.630		
11,000.00	6,981.40	6,659.46	6,574.97	119.81	35.03	-77.02	-979.02	261.34	3,909.06	3,809.96	99.10	39.446		
11,100.00	6,980.44	6,656.14	6,571.68	122.54	35.02	-76.93	-979.16	260.90	3,996.40	3,897.16	99.24	40.270		
11,200.00	6,979.47	6,652.94	6,568.51	125.26	35.01	-76.83	-979.30	260.48	4,084.31	3,984.94	99.37	41.104		
11,300.00	6,978.51	6,649.84	6,565.43	128.00	35.00	-76.75	-979.43	260.09	4,172.75	4,073.27	99.48	41.945		
11,400.00	6,977.54	6,613.00	6,528.88	130.73	34.90	-75.71	-981.30	255.97	4,262.31	4,162.77	99.53	42.823		
11,500.00	6,976.58	6,613.00	6,528.88	133.48	34.90	-75.71	-981.30	255.97	4,351.62	4,251.98	99.64	43.674		
11,600.00	6,975.62	6,613.00	6,528.88	136.22	34.90	-75.71	-981.30	255.97	4,441.38	4,341.65	99.73	44.532		
11,700.00	6,974.65	6,613.00	6,528.88	138.97	34.90	-75.71	-981.30	255.97	4,531.58	4,431.75	99.82	45.396		
11,800.00	6,973.69	6,613.00	6,528.88	141.73	34.90	-75.71	-981.30	255.97	4,622.17	4,522.27	99.90	46.266		
11,900.00	6,972.72	6,613.00	6,528.88	144.48	34.90	-75.71	-981.30	255.97	4,713.15	4,613.17	99.98	47.142		
12,000.00	6,971.76	6,613.00	6,528.88	147.24	34.90	-75.71	-981.30	255.97	4,804.49	4,704.44	100.05	48.022		
12,100.00	6,970.79	6,613.00	6,528.88	150.00	34.90	-75.71	-981.30	255.97	4,896.16	4,796.05	100.11	48.908		
12,200.00	6,969.83	6,613.00	6,528.88	152.77	34.90	-75.71	-981.30	255.97	4,988.16	4,887.99	100.17	49.797		
12,300.00	6,968.86	6,613.00	6,528.88	155.54	34.90	-75.71	-981.30	255.97	5,080.46	4,980.23	100.22	50.691		
12,400.00	6,967.90	6,613.00	6,528.88	158.31	34.90	-75.71	-981.30	255.97	5,173.04	5,072.77	100.27	51.589		
12,500.00	6,966.93	6,613.00	6,528.88	161.08	34.90	-75.71	-981.30	255.97	5,265.90	5,165.57	100.32	52.490		
12,600.00	6,965.97	6,613.00	6,528.88	163.85	34.90	-75.71	-981.30	255.97	5,359.01	5,258.64	100.37	53.394		
12,700.00	6,965.00	6,613.00	6,528.88	166.63	34.90	-75.71	-981.30	255.97	5,452.36	5,351.96	100.41	54.302		
12,800.00	6,964.04	6,613.00	6,528.88	169.41	34.90	-75.71	-981.30	255.97	5,545.95	5,445.50	100.45	55.212		
12,900.00	6,963.07	6,613.00	6,528.88	172.19	34.90	-75.71	-981.30	255.97	5,639.76	5,539.27	100.48	56.126		
13,000.00	6,962.11	6,613.00	6,528.88	174.97	34.90	-75.71	-981.30	255.97	5,733.78	5,633.26	100.52	57.041		
13,100.00	6,961.14	6,613.00	6,528.88	177.76	34.90	-75.71	-981.30	255.97	5,827.99	5,727.44	100.55	57.959		
13,200.00	6,960.18	6,613.00	6,528.88	180.54	34.90	-75.71	-981.30	255.97	5,922.40	5,821.81	100.59	58.879		
13,300.00	6,959.21	6,613.00	6,528.88	183.33	34.90	-75.71	-981.30	255.97	6,016.99	5,916.37	100.62	59.801		
13,400.00	6,958.25	6,613.00	6,528.88	186.12	34.90	-75.71	-981.30	255.97	6,111.74	6,011.10	100.65	60.725		
13,500.00	6,957.28	6,613.00	6,528.88	188.91	34.90	-75.71	-981.30	255.97	6,206.67	6,105.99	100.67	61.651		
13,600.00	6,956.32	6,613.00	6,528.88	191.70	34.90	-75.71	-981.30	255.97	6,301.75	6,201.05	100.70	62.578		
13,700.00	6,955.35	6,613.00	6,528.88	194.49	34.90	-75.71	-981.30	255.97	6,396.98	6,296.25	100.73	63.506		
13,800.00	6,954.39	6,613.00	6,528.88	197.29	34.90	-75.71	-981.30	255.97	6,492.35	6,391.60	100.76	64.436		
13,900.00	6,953.43	6,613.00	6,528.88	200.08	34.90	-75.71	-981.30	255.97	6,587.86	6,487.08	100.78	65.367		
14,000.00	6,952.46	6,613.00	6,528.88	202.88	34.90	-75.71	-981.30	255.97	6,683.51	6,582.70	100.81	66.299		
14,100.00	6,951.50	6,613.00	6,528.88	205.68	34.90	-75.71	-981.30	255.97	6,779.28	6,678.44	100.83	67.233		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Boomerang 21-5 - SRC Wiedeman #22-5-4CHZ - 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)				
14,200.00	6,950.53	6,613.00	6,528.88	208.48	34.90	-75.71	-981.30	255.97	6,875.16	6,774.31	100.86	68.167			
14,300.00	6,949.57	6,613.00	6,528.88	211.28	34.90	-75.71	-981.30	255.97	6,971.17	6,870.29	100.88	69.101			
14,400.00	6,948.60	6,613.00	6,528.88	214.08	34.90	-75.71	-981.30	255.97	7,067.28	6,966.38	100.91	70.037			
14,500.00	6,947.64	6,613.00	6,528.88	216.88	34.90	-75.71	-981.30	255.97	7,163.51	7,062.57	100.93	70.973			
14,600.00	6,946.67	6,613.00	6,528.88	219.68	34.90	-75.71	-981.30	255.97	7,259.83	7,158.87	100.96	71.910			
14,700.00	6,945.71	6,613.00	6,528.88	222.49	34.90	-75.71	-981.30	255.97	7,356.25	7,255.27	100.98	72.847			
14,800.00	6,944.74	6,574.73	6,490.80	225.29	34.80	-74.64	-983.26	252.74	7,452.20	7,351.21	100.99	73.792			
14,900.00	6,943.78	6,573.31	6,489.38	228.10	34.79	-74.60	-983.32	252.64	7,548.77	7,447.75	101.01	74.729			
15,000.00	6,942.81	6,571.92	6,488.00	230.90	34.79	-74.56	-983.39	252.54	7,645.42	7,544.38	101.04	75.667			
15,100.00	6,941.85	6,570.56	6,486.65	233.71	34.79	-74.52	-983.45	252.45	7,742.15	7,641.09	101.07	76.606			
15,200.00	6,940.88	6,569.24	6,485.33	236.52	34.78	-74.48	-983.50	252.36	7,838.97	7,737.88	101.09	77.544			
15,300.00	6,939.92	6,567.95	6,484.04	239.32	34.78	-74.45	-983.56	252.28	7,935.86	7,834.75	101.12	78.482			
15,400.00	6,938.95	6,566.69	6,482.78	242.13	34.78	-74.41	-983.61	252.19	8,032.83	7,931.69	101.14	79.421			
15,500.00	6,937.99	6,565.46	6,481.56	244.94	34.77	-74.38	-983.67	252.11	8,129.87	8,028.70	101.17	80.359			
15,600.00	6,937.02	6,564.26	6,480.36	247.75	34.77	-74.34	-983.72	252.04	8,226.98	8,125.79	101.20	81.297			
15,706.13	6,936.00	6,563.01	6,479.11	250.74	34.77	-74.31	-983.77	251.96	8,330.12	8,228.89	101.23	82.292			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	94.01	-35.69	509.42	510.72					
100.00	100.00	96.90	96.90	3.28	3.30	94.03	-35.86	508.69	509.97	503.38	6.58	77.472		
200.00	200.00	196.95	196.94	3.34	3.37	94.09	-36.31	507.97	509.28	502.58	6.71	75.920		
300.00	300.00	299.96	299.95	3.44	3.50	94.12	-36.48	506.90	508.26	501.31	6.95	73.146		
400.00	399.98	405.51	405.47	3.60	3.69	47.33	-36.50	504.91	505.20	497.90	7.30	69.237		
500.00	499.84	501.20	501.15	3.81	3.90	47.84	-36.30	502.83	499.49	491.78	7.71	64.817		
600.00	599.45	595.59	595.53	4.05	4.14	48.70	-36.64	501.72	492.53	484.35	8.18	60.191		
700.00	698.70	694.62	694.54	4.33	4.42	50.05	-37.81	501.04	484.00	475.27	8.73	55.426		
800.00	797.47	797.66	797.54	4.64	4.73	52.04	-40.18	499.66	473.07	463.72	9.35	50.595		
902.00	897.58	891.88	891.74	4.98	5.03	54.27	-42.05	498.55	460.38	450.39	9.99	46.074		
1,000.00	993.42	983.73	983.59	5.33	5.34	56.37	-42.83	498.58	448.77	438.13	10.64	42.170		
1,100.00	1,091.22	1,079.46	1,079.31	5.71	5.65	58.54	-42.95	499.42	438.26	426.93	11.33	38.677		
1,200.00	1,189.02	1,174.38	1,174.23	6.11	5.97	60.75	-42.89	500.89	429.03	416.99	12.05	35.616		
1,300.00	1,286.82	1,275.38	1,275.20	6.53	6.32	63.16	-42.59	502.59	420.57	407.77	12.81	32.842		
1,400.00	1,384.62	1,375.84	1,375.66	6.95	6.68	65.59	-41.65	503.77	412.16	398.57	13.59	30.339		
1,500.00	1,482.42	1,477.11	1,476.92	7.38	7.05	68.12	-40.32	504.44	403.89	389.50	14.39	28.073		
1,600.00	1,580.22	1,575.52	1,575.31	7.83	7.42	70.65	-38.63	504.72	395.90	380.70	15.20	26.050		
1,700.00	1,678.03	1,674.81	1,674.58	8.27	7.80	73.30	-36.83	504.89	388.59	372.56	16.03	24.248		
1,800.00	1,775.83	1,773.97	1,773.72	8.72	8.19	76.05	-34.94	504.76	381.84	364.97	16.87	22.638		
1,900.00	1,873.63	1,871.30	1,871.04	9.18	8.57	78.83	-33.08	504.61	375.98	358.27	17.71	21.225		
2,000.00	1,971.43	1,974.79	1,974.50	9.64	8.98	81.85	-30.75	504.27	370.75	352.17	18.59	19.946		
2,100.00	2,069.23	2,095.01	2,094.45	10.11	9.47	85.37	-24.03	500.29	362.07	342.58	19.49	18.582		
2,200.00	2,167.03	2,199.80	2,198.66	10.57	9.90	88.96	-16.82	492.12	350.38	330.02	20.36	17.211		
2,300.00	2,264.83	2,293.93	2,292.15	11.04	10.30	92.92	-12.18	482.21	339.67	318.43	21.25	15.988		
2,400.00	2,362.63	2,386.88	2,384.58	11.52	10.69	97.03	-8.48	473.06	331.98	309.85	22.14	14.996		
2,500.00	2,460.43	2,481.37	2,478.63	11.99	11.09	101.22	-4.73	464.84	326.96	303.92	23.03	14.196		
2,600.00	2,558.23	2,577.93	2,574.82	12.47	11.51	105.47	-0.92	457.29	324.34	300.42	23.93	13.557		
2,684.04	2,640.42	2,658.97	2,655.52	12.87	11.86	109.12	2.27	450.63	323.51	298.84	24.68	13.111 CC		
2,700.00	2,656.03	2,674.08	2,670.57	12.94	11.93	109.80	2.82	449.38	323.55	298.73	24.82	13.037 ES		
2,800.00	2,753.83	2,776.53	2,772.55	13.42	12.38	114.49	6.85	440.50	324.62	298.90	25.72	12.619		
2,900.00	2,851.63	2,874.00	2,869.36	13.90	12.81	119.07	12.27	430.55	325.80	299.18	26.62	12.239		
3,000.00	2,949.43	2,974.67	2,969.38	14.38	13.27	123.68	17.85	420.62	329.25	301.73	27.52	11.963		
3,100.00	3,047.23	3,070.38	3,064.46	14.87	13.70	127.82	24.50	411.87	333.45	305.04	28.41	11.738		
3,200.00	3,145.03	3,164.28	3,157.83	15.35	14.12	131.71	30.12	403.68	340.43	311.15	29.28	11.628		
3,300.00	3,242.83	3,264.77	3,257.80	15.83	14.58	135.63	36.04	395.32	349.17	319.00	30.17	11.572		
3,400.00	3,340.63	3,362.68	3,355.23	16.32	15.02	139.09	42.78	388.29	358.34	327.29	31.05	11.539 SF		
3,500.00	3,438.43	3,458.90	3,451.01	16.80	15.46	142.25	49.17	381.79	368.95	337.02	31.92	11.557		
3,600.00	3,536.23	3,555.14	3,546.86	17.29	15.89	145.19	55.24	375.52	380.95	348.16	32.79	11.618		
3,700.00	3,634.03	3,652.58	3,643.92	17.78	16.34	147.95	61.17	369.44	394.06	360.40	33.66	11.706		
3,800.00	3,731.83	3,741.07	3,732.10	18.26	16.73	150.26	66.29	364.07	408.35	373.90	34.45	11.852		
3,900.00	3,829.63	3,831.81	3,822.71	18.75	17.13	152.19	67.99	359.57	426.49	391.24	35.25	12.099		
4,000.00	3,927.43	3,929.77	3,920.52	19.24	17.57	154.14	69.92	354.54	445.16	409.04	36.12	12.324		
4,100.00	4,025.23	4,034.93	4,025.59	19.73	18.02	155.86	72.11	350.95	463.55	426.48	37.06	12.507		
4,200.00	4,123.03	4,122.59	4,113.24	20.22	18.38	156.76	72.69	351.28	481.99	444.18	37.80	12.749		
4,300.00	4,220.83	4,217.51	4,208.15	20.71	18.75	157.53	71.25	351.92	502.35	463.74	38.61	13.010		
4,400.00	4,318.63	4,311.61	4,302.23	21.20	19.12	158.28	69.69	352.16	523.11	483.70	39.41	13.274		
4,500.00	4,416.43	4,426.04	4,416.64	21.69	19.58	159.03	68.28	353.46	543.26	502.82	40.43	13.436		
4,600.00	4,514.23	4,525.22	4,515.79	22.18	19.97	159.60	68.67	355.84	561.42	520.13	41.29	13.596		
4,700.00	4,612.03	4,629.19	4,619.73	22.67	20.40	160.26	70.12	357.65	579.06	536.85	42.20	13.721		
4,800.00	4,709.83	4,727.92	4,718.43	23.16	20.81	160.95	72.36	358.76	596.28	553.21	43.07	13.844		
4,900.00	4,807.63	4,825.48	4,815.96	23.65	21.22	161.63	74.90	359.47	613.49	569.55	43.93	13.964		
5,000.00	4,905.43	4,916.32	4,906.77	24.14	21.60	162.21	76.67	360.07	631.38	586.64	44.73	14.115		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	4,998.90	4,989.35	24.63	21.95	162.72	76.93	359.81	651.19	605.75	45.43	14.332		
5,200.00	5,101.03	5,098.34	5,088.78	25.12	22.36	163.35	76.71	358.39	672.08	625.76	46.32	14.510		
5,300.00	5,198.83	5,198.06	5,188.49	25.62	22.79	164.00	77.06	356.59	692.75	645.54	47.21	14.673		
5,400.00	5,296.63	5,295.26	5,285.66	26.11	23.21	164.62	77.62	354.60	713.43	665.36	48.08	14.839		
5,500.00	5,394.43	5,394.19	5,384.56	26.60	23.63	165.23	78.53	352.60	733.90	684.94	48.97	14.988		
5,600.00	5,492.23	5,480.83	5,471.19	27.09	24.00	165.65	78.02	351.44	755.31	705.60	49.71	15.194		
5,700.00	5,590.03	5,584.06	5,574.41	27.58	24.42	166.05	76.77	350.56	777.01	726.37	50.63	15.346		
5,800.00	5,687.83	5,686.53	5,676.88	28.08	24.85	166.47	76.38	349.68	798.07	746.51	51.55	15.480		
5,900.00	5,785.63	5,787.79	5,778.13	28.57	25.28	166.91	76.84	348.52	818.65	766.19	52.46	15.605		
6,000.00	5,883.43	5,890.26	5,880.60	29.06	25.71	167.24	76.91	348.70	838.85	785.48	53.37	15.717		
6,100.00	5,981.23	5,994.14	5,984.48	29.56	26.14	167.58	77.80	349.08	858.34	804.04	54.30	15.808		
6,200.00	6,079.04	6,090.61	6,080.93	30.05	26.55	167.93	79.33	348.98	877.52	822.37	55.16	15.909		
6,300.00	6,176.84	6,187.95	6,178.27	30.54	26.96	168.22	80.06	349.31	897.16	841.13	56.03	16.013		
6,409.71	6,284.13	6,456.91	6,443.33	31.08	28.02	167.29	82.22	382.85	913.82	856.20	57.62	15.860		
6,450.00	6,323.71	6,512.02	6,495.30	31.28	28.21	-179.45	82.02	401.20	913.67	855.72	57.95	15.767		
6,500.00	6,373.15	6,646.48	6,616.77	31.50	28.71	-155.55	83.95	458.40	907.02	848.97	58.04	15.626		
6,550.00	6,422.65	6,679.87	6,645.79	31.70	28.84	-126.21	83.87	474.92	898.87	840.26	58.61	15.336		
6,600.00	6,471.92	6,714.41	6,675.50	31.89	28.98	-106.83	83.00	492.51	890.02	830.87	59.15	15.046		
6,650.00	6,520.65	6,795.78	6,741.93	32.07	29.36	-99.25	79.80	539.30	879.55	819.98	59.56	14.767		
6,700.00	6,568.54	6,843.79	6,778.39	32.25	29.63	-95.63	77.63	570.45	867.98	807.82	60.16	14.427		
6,750.00	6,615.30	6,879.07	6,804.21	32.43	29.83	-94.10	76.07	594.44	856.67	795.87	60.80	14.090		
6,800.00	6,660.63	6,913.87	6,828.79	32.61	30.05	-94.10	74.60	619.02	846.29	784.84	61.46	13.771		
6,850.00	6,704.26	6,949.72	6,852.79	32.80	30.31	-95.06	73.50	645.62	837.19	775.04	62.15	13.471		
6,900.00	6,745.92	6,964.27	6,862.12	33.00	30.41	-95.02	73.19	656.79	830.04	767.30	62.73	13.231		
6,950.00	6,785.34	6,966.76	6,863.69	33.21	30.43	-94.33	73.15	658.72	825.22	762.05	63.17	13.063		
7,000.00	6,822.30	6,961.87	6,860.60	33.44	30.39	-93.20	73.24	654.93	822.87	759.43	63.45	12.969		
7,023.05	6,838.44	6,957.88	6,858.05	33.56	30.37	-92.55	73.32	651.86	822.62	759.09	63.52	12.950		
7,050.00	6,856.55	6,952.15	6,854.37	33.69	30.32	-91.72	73.44	647.47	822.96	759.40	63.57	12.946		
7,100.00	6,887.90	6,939.15	6,845.87	33.97	30.23	-89.98	73.78	637.64	825.38	761.83	63.55	12.987		
7,150.00	6,916.14	6,923.82	6,835.60	34.28	30.12	-88.02	74.25	626.27	829.96	766.53	63.44	13.084		
7,200.00	6,941.10	6,906.78	6,823.88	34.62	30.00	-85.90	74.88	613.93	836.50	773.25	63.24	13.226		
7,250.00	6,962.63	6,890.32	6,812.26	35.00	29.89	-83.77	75.58	602.28	844.76	781.70	63.07	13.395		
7,300.00	6,980.59	6,873.58	6,800.24	35.43	29.80	-81.60	76.31	590.64	854.56	791.64	62.92	13.582		
7,350.00	6,994.88	6,855.23	6,786.86	35.89	29.69	-79.32	77.12	578.13	865.61	802.84	62.78	13.789		
7,400.00	7,005.41	6,835.49	6,772.20	36.39	29.58	-76.98	78.01	564.93	877.65	814.99	62.67	14.005		
7,450.00	7,012.10	6,814.53	6,756.35	36.93	29.46	-74.64	78.95	551.24	890.40	827.81	62.59	14.226		
7,500.00	7,014.93	6,804.00	6,748.29	37.50	29.40	-72.92	79.43	544.49	903.68	840.82	62.85	14.377		
7,517.56	7,015.00	6,788.58	6,736.30	37.70	29.33	-71.74	80.12	534.82	908.32	845.64	62.68	14.491		
7,600.00	7,014.21	6,760.60	6,713.96	38.74	29.20	-70.32	81.29	518.02	933.19	870.20	62.99	14.814		
7,700.00	7,013.24	6,730.68	6,689.26	40.15	29.06	-68.79	82.43	501.17	970.17	906.70	63.47	15.286		
7,800.00	7,012.28	6,709.00	6,670.88	41.71	28.96	-67.67	83.19	489.71	1,014.19	950.08	64.11	15.819		
7,900.00	7,011.31	6,676.41	6,642.80	43.40	28.83	-65.99	83.91	473.19	1,064.43	999.97	64.46	16.512		
8,000.00	7,010.35	6,650.04	6,619.88	45.21	28.72	-64.66	83.98	460.14	1,120.16	1,055.25	64.91	17.257		
8,100.00	7,009.38	6,614.00	6,588.29	47.12	28.58	-62.90	83.31	442.80	1,180.75	1,115.63	65.12	18.133		
8,200.00	7,008.42	6,614.00	6,588.29	49.12	28.58	-62.90	83.31	442.80	1,245.42	1,179.47	65.95	18.886		
8,300.00	7,007.45	6,580.19	6,558.15	51.21	28.46	-61.27	82.48	427.53	1,313.55	1,247.45	66.10	19.872		
8,400.00	7,006.49	6,561.58	6,541.25	53.36	28.39	-60.37	82.19	419.74	1,385.06	1,318.60	66.45	20.843		
8,500.00	7,005.52	6,544.92	6,525.95	55.57	28.33	-59.57	82.04	413.16	1,459.41	1,392.64	66.78	21.856		
8,600.00	7,004.56	6,519.00	6,501.84	57.84	28.24	-58.33	82.00	403.63	1,536.38	1,469.46	66.91	22.960		
8,700.00	7,003.59	6,519.00	6,501.84	60.16	28.24	-58.33	82.00	403.63	1,615.35	1,547.99	67.36	23.981		
8,800.00	7,002.63	6,495.06	6,479.37	62.52	28.15	-57.20	82.08	395.39	1,696.24	1,628.78	67.45	25.146		
8,900.00	7,001.66	6,476.28	6,461.66	64.92	28.09	-56.33	82.15	389.13	1,778.70	1,711.11	67.59	26.317		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	6,458.50	6,444.84	67.35	28.02	-55.52	82.22	383.36	1,862.55	1,794.84	67.71	27.508		
9,100.00	6,999.73	6,424.00	6,412.05	69.81	27.90	-53.97	82.37	372.63	1,947.79	1,880.15	67.64	28.795		
9,200.00	6,998.77	6,424.00	6,412.05	72.31	27.90	-53.97	82.37	372.63	2,033.82	1,965.91	67.91	29.950		
9,300.00	6,997.80	6,424.00	6,412.05	74.82	27.90	-53.97	82.37	372.63	2,121.07	2,052.94	68.13	31.132		
9,400.00	6,996.84	6,424.00	6,412.05	77.36	27.90	-53.97	82.37	372.63	2,209.41	2,141.08	68.33	32.336		
9,500.00	6,995.88	6,424.00	6,412.05	79.92	27.90	-53.97	82.37	372.63	2,298.70	2,230.21	68.49	33.561		
9,600.00	6,994.91	6,424.00	6,412.05	82.49	27.90	-53.97	82.37	372.63	2,388.84	2,320.20	68.64	34.803		
9,700.00	6,993.95	6,424.00	6,412.05	85.09	27.90	-53.97	82.37	372.63	2,479.74	2,410.97	68.76	36.061		
9,800.00	6,992.98	6,424.00	6,412.05	87.70	27.90	-53.97	82.37	372.63	2,571.31	2,502.43	68.88	37.333		
9,900.00	6,992.02	6,424.00	6,412.05	90.32	27.90	-53.97	82.37	372.63	2,663.49	2,594.51	68.97	38.616		
10,000.00	6,991.05	6,424.00	6,412.05	92.95	27.90	-53.97	82.37	372.63	2,756.21	2,687.15	69.06	39.911		
10,100.00	6,990.09	6,424.00	6,412.05	95.60	27.90	-53.97	82.37	372.63	2,849.43	2,780.29	69.14	41.215		
10,200.00	6,989.12	6,382.51	6,371.99	98.26	27.75	-52.17	82.43	361.92	2,940.92	2,871.91	69.01	42.615		
10,300.00	6,988.16	6,379.59	6,369.13	100.92	27.74	-52.05	82.42	361.30	3,034.67	2,965.60	69.07	43.936		
10,400.00	6,987.19	6,376.83	6,366.43	103.60	27.73	-51.93	82.42	360.74	3,128.80	3,059.67	69.13	45.262		
10,500.00	6,986.23	6,374.22	6,363.87	106.28	27.72	-51.82	82.41	360.22	3,223.26	3,154.08	69.18	46.594		
10,600.00	6,985.26	6,371.74	6,361.44	108.98	27.71	-51.71	82.40	359.74	3,318.03	3,248.80	69.23	47.931		
10,700.00	6,984.30	6,329.00	6,319.16	111.68	27.55	-49.94	82.11	353.59	3,415.11	3,346.00	69.11	49.417		
10,800.00	6,983.33	6,329.00	6,319.16	114.38	27.55	-49.94	82.11	353.59	3,510.20	3,441.04	69.17	50.749		
10,900.00	6,982.37	6,329.00	6,319.16	117.09	27.55	-49.94	82.11	353.59	3,605.56	3,536.34	69.22	52.086		
11,000.00	6,981.40	6,329.00	6,319.16	119.81	27.55	-49.94	82.11	353.59	3,701.17	3,631.89	69.28	53.427		
11,100.00	6,980.44	6,329.00	6,319.16	122.54	27.55	-49.94	82.11	353.59	3,797.00	3,727.67	69.33	54.771		
11,200.00	6,979.47	6,329.00	6,319.16	125.26	27.55	-49.94	82.11	353.59	3,893.04	3,823.66	69.37	56.118		
11,300.00	6,978.51	6,329.00	6,319.16	128.00	27.55	-49.94	82.11	353.59	3,989.27	3,919.85	69.42	57.467		
11,400.00	6,977.54	6,329.00	6,319.16	130.73	27.55	-49.94	82.11	353.59	4,085.69	4,016.22	69.46	58.819		
11,500.00	6,976.58	6,329.00	6,319.16	133.48	27.55	-49.94	82.11	353.59	4,182.27	4,112.76	69.51	60.172		
11,600.00	6,975.62	6,329.00	6,319.16	136.22	27.55	-49.94	82.11	353.59	4,279.01	4,209.46	69.55	61.527		
11,700.00	6,974.65	6,329.00	6,319.16	138.97	27.55	-49.94	82.11	353.59	4,375.90	4,306.31	69.59	62.883		
11,800.00	6,973.69	6,329.00	6,319.16	141.73	27.55	-49.94	82.11	353.59	4,472.92	4,403.29	69.63	64.240		
11,900.00	6,972.72	6,329.00	6,319.16	144.48	27.55	-49.94	82.11	353.59	4,570.07	4,500.41	69.67	65.598		
12,000.00	6,971.76	6,329.00	6,319.16	147.24	27.55	-49.94	82.11	353.59	4,667.35	4,597.64	69.71	66.956		
12,100.00	6,970.79	6,329.00	6,319.16	150.00	27.55	-49.94	82.11	353.59	4,764.73	4,694.99	69.75	68.315		
12,200.00	6,969.83	6,329.00	6,319.16	152.77	27.55	-49.94	82.11	353.59	4,862.22	4,792.44	69.79	69.674		
12,300.00	6,968.86	6,329.00	6,319.16	155.54	27.55	-49.94	82.11	353.59	4,959.81	4,889.99	69.82	71.032		
12,400.00	6,967.90	6,329.00	6,319.16	158.31	27.55	-49.94	82.11	353.59	5,057.50	4,987.64	69.86	72.391		
12,500.00	6,966.93	6,329.00	6,319.16	161.08	27.55	-49.94	82.11	353.59	5,155.28	5,085.37	69.90	73.749		
12,600.00	6,965.97	6,329.00	6,319.16	163.85	27.55	-49.94	82.11	353.59	5,253.13	5,183.19	69.94	75.106		
12,700.00	6,965.00	6,329.00	6,319.16	166.63	27.55	-49.94	82.11	353.59	5,351.07	5,281.09	69.98	76.463		
12,800.00	6,964.04	6,329.00	6,319.16	169.41	27.55	-49.94	82.11	353.59	5,449.08	5,379.06	70.02	77.818		
12,900.00	6,963.07	6,329.00	6,319.16	172.19	27.55	-49.94	82.11	353.59	5,547.17	5,477.10	70.06	79.173		
13,000.00	6,962.11	6,329.00	6,319.16	174.97	27.55	-49.94	82.11	353.59	5,645.32	5,575.21	70.11	80.527		
13,100.00	6,961.14	6,329.00	6,319.16	177.76	27.55	-49.94	82.11	353.59	5,743.53	5,673.39	70.15	81.879		
13,200.00	6,960.18	6,329.00	6,319.16	180.54	27.55	-49.94	82.11	353.59	5,841.81	5,771.62	70.19	83.230		
13,300.00	6,959.21	6,329.00	6,319.16	183.33	27.55	-49.94	82.11	353.59	5,940.14	5,869.91	70.23	84.579		
13,400.00	6,958.25	6,329.00	6,319.16	186.12	27.55	-49.94	82.11	353.59	6,038.53	5,968.25	70.27	85.927		
13,500.00	6,957.28	6,329.00	6,319.16	188.91	27.55	-49.94	82.11	353.59	6,136.97	6,066.65	70.32	87.274		
13,600.00	6,956.32	6,329.00	6,319.16	191.70	27.55	-49.94	82.11	353.59	6,235.46	6,165.09	70.36	88.618		
13,700.00	6,955.35	6,329.00	6,319.16	194.49	27.55	-49.94	82.11	353.59	6,333.99	6,263.58	70.41	89.961		
13,800.00	6,954.39	6,329.00	6,319.16	197.29	27.55	-49.94	82.11	353.59	6,432.57	6,362.12	70.45	91.301		
13,900.00	6,953.43	6,329.00	6,319.16	200.08	27.55	-49.94	82.11	353.59	6,531.20	6,460.70	70.50	92.640		
14,000.00	6,952.46	6,329.00	6,319.16	202.88	27.55	-49.94	82.11	353.59	6,629.86	6,559.32	70.55	93.977		
14,100.00	6,951.50	6,329.00	6,319.16	205.68	27.55	-49.94	82.11	353.59	6,728.57	6,657.97	70.60	95.311		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 39-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	6,329.00	6,319.16	208.48	27.55	-49.94	82.11	353.59	6,827.31	6,756.67	70.64	96.643	
14,300.00	6,949.57	6,329.00	6,319.16	211.28	27.55	-49.94	82.11	353.59	6,926.09	6,855.40	70.69	97.973	
14,400.00	6,948.60	6,329.00	6,319.16	214.08	27.55	-49.94	82.11	353.59	7,024.91	6,954.16	70.74	99.301	
14,500.00	6,947.64	6,329.00	6,319.16	216.88	27.55	-49.94	82.11	353.59	7,123.75	7,052.96	70.79	100.626	
14,600.00	6,946.67	6,329.00	6,319.16	219.68	27.55	-49.94	82.11	353.59	7,222.63	7,151.78	70.85	101.948	
14,700.00	6,945.71	6,329.00	6,319.16	222.49	27.55	-49.94	82.11	353.59	7,321.54	7,250.64	70.90	103.268	
14,800.00	6,944.74	6,329.00	6,319.16	225.29	27.55	-49.94	82.11	353.59	7,420.48	7,349.53	70.95	104.586	
14,900.00	6,943.78	6,329.00	6,319.16	228.10	27.55	-49.94	82.11	353.59	7,519.44	7,448.44	71.00	105.900	
15,000.00	6,942.81	6,329.00	6,319.16	230.90	27.55	-49.94	82.11	353.59	7,618.44	7,547.38	71.06	107.212	
15,100.00	6,941.85	6,329.00	6,319.16	233.71	27.55	-49.94	82.11	353.59	7,717.46	7,646.34	71.11	108.522	
15,200.00	6,940.88	6,329.00	6,319.16	236.52	27.55	-49.94	82.11	353.59	7,816.50	7,745.33	71.17	109.828	
15,300.00	6,939.92	6,329.00	6,319.16	239.32	27.55	-49.94	82.11	353.59	7,915.57	7,844.34	71.23	111.132	
15,400.00	6,938.95	6,329.00	6,319.16	242.13	27.55	-49.94	82.11	353.59	8,014.66	7,943.38	71.28	112.432	
15,500.00	6,937.99	6,329.00	6,319.16	244.94	27.55	-49.94	82.11	353.59	8,113.77	8,042.43	71.34	113.730	
15,600.00	6,937.02	6,329.00	6,319.16	247.75	27.55	-49.94	82.11	353.59	8,212.91	8,141.51	71.40	115.024	
15,706.13	6,936.00	6,329.00	6,319.16	250.74	27.55	-49.94	82.11	353.59	8,318.14	8,246.68	71.46	116.395	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-78.90	182.17	-928.37	4,882.54					
100.00	100.00	0.00	0.00	3.28	0.00	-78.90	182.17	-928.37	4,784.47	4,777.56	6.91	692.447		
200.00	200.00	0.00	0.00	3.34	0.00	-78.90	182.17	-928.37	4,686.49	4,679.70	6.79	690.706		
300.00	300.00	0.00	0.00	3.44	0.00	-78.90	182.17	-928.37	4,588.59	4,581.93	6.66	688.631		
400.00	399.98	0.00	0.00	3.60	0.00	-132.79	182.17	-928.37	4,491.02	4,484.48	6.54	686.499		
500.00	499.84	0.00	0.00	3.81	0.00	-138.28	182.17	-928.37	4,394.13	4,387.71	6.42	684.371		
600.00	599.45	0.00	0.00	4.05	0.00	-142.68	182.17	-928.37	4,298.07	4,291.77	6.30	681.924		
700.00	698.70	0.00	0.00	4.33	0.00	-146.24	182.17	-928.37	4,203.03	4,196.84	6.19	678.999		
800.00	797.47	0.00	0.00	4.64	0.00	-149.14	182.17	-928.37	4,109.21	4,103.12	6.08	675.369		
902.00	897.58	0.00	0.00	4.98	0.00	-151.58	182.17	-928.37	4,014.96	4,008.97	5.99	670.597		
1,000.00	993.42	0.00	0.00	5.33	0.00	-151.58	182.17	-928.37	3,925.38	3,919.47	5.91	663.906		
1,100.00	1,091.22	0.00	0.00	5.71	0.00	-151.58	182.17	-928.37	3,834.40	3,828.54	5.86	654.565		
1,200.00	1,189.02	0.00	0.00	6.11	0.00	-151.58	182.17	-928.37	3,743.88	3,738.06	5.82	643.342		
1,300.00	1,286.82	0.00	0.00	6.53	0.00	-151.58	182.17	-928.37	3,653.85	3,648.06	5.80	630.078		
1,400.00	1,384.62	0.00	0.00	6.95	0.00	-151.58	182.17	-928.37	3,564.36	3,558.56	5.80	614.658		
1,500.00	1,482.42	0.00	0.00	7.38	0.00	-151.58	182.17	-928.37	3,475.44	3,469.62	5.82	597.024		
1,600.00	1,580.22	0.00	0.00	7.83	0.00	-151.58	182.17	-928.37	3,387.14	3,381.27	5.87	577.192		
1,700.00	1,678.03	0.00	0.00	8.27	0.00	-151.58	182.17	-928.37	3,299.50	3,293.56	5.94	555.263		
1,800.00	1,775.83	0.00	0.00	8.72	0.00	-151.58	182.17	-928.37	3,212.59	3,206.54	6.05	531.429		
1,900.00	1,873.63	0.00	0.00	9.18	0.00	-151.58	182.17	-928.37	3,126.46	3,120.28	6.18	505.968		
2,000.00	1,971.43	0.00	0.00	9.64	0.00	-151.58	182.17	-928.37	3,041.17	3,034.83	6.35	479.226		
2,100.00	2,069.23	0.00	0.00	10.11	0.00	-151.58	182.17	-928.37	2,956.81	2,950.27	6.55	451.601		
2,200.00	2,167.03	0.00	0.00	10.57	0.00	-151.58	182.17	-928.37	2,873.46	2,866.67	6.78	423.517		
2,300.00	2,264.83	0.00	0.00	11.04	0.00	-151.58	182.17	-928.37	2,791.20	2,784.14	7.06	395.389		
2,400.00	2,362.63	0.00	0.00	11.52	0.00	-151.58	182.17	-928.37	2,710.13	2,702.75	7.37	367.612		
2,500.00	2,460.43	0.00	0.00	11.99	0.00	-151.58	182.17	-928.37	2,630.36	2,622.64	7.72	340.530		
2,600.00	2,558.23	0.00	0.00	12.47	0.00	-151.58	182.17	-928.37	2,552.02	2,543.90	8.12	314.433		
2,700.00	2,656.03	0.00	0.00	12.94	0.00	-151.58	182.17	-928.37	2,475.24	2,466.69	8.55	289.548		
2,800.00	2,753.83	0.00	0.00	13.42	0.00	-151.58	182.17	-928.37	2,400.17	2,391.15	9.02	266.042		
2,900.00	2,851.63	0.00	0.00	13.90	0.00	-151.58	182.17	-928.37	2,326.98	2,317.45	9.54	244.025		
3,000.00	2,949.43	0.00	0.00	14.38	0.00	-151.58	182.17	-928.37	2,255.85	2,245.76	10.09	223.559		
3,100.00	3,047.23	0.00	0.00	14.87	0.00	-151.58	182.17	-928.37	2,186.98	2,176.29	10.69	204.665		
3,200.00	3,145.03	0.00	0.00	15.35	0.00	-151.58	182.17	-928.37	2,120.59	2,109.27	11.32	187.333		
3,300.00	3,242.83	0.00	0.00	15.83	0.00	-151.58	182.17	-928.37	2,056.91	2,044.92	11.99	171.528		
3,400.00	3,340.63	0.00	0.00	16.32	0.00	-151.58	182.17	-928.37	1,996.22	1,983.53	12.70	157.199		
3,500.00	3,438.43	0.00	0.00	16.80	0.00	-151.58	182.17	-928.37	1,938.79	1,925.36	13.44	144.282		
3,600.00	3,536.23	0.00	0.00	17.29	0.00	-151.58	182.17	-928.37	1,884.92	1,870.72	14.20	132.707		
3,700.00	3,634.03	0.00	0.00	17.78	0.00	-151.58	182.17	-928.37	1,834.92	1,819.93	14.99	122.400		
3,800.00	3,731.83	0.00	0.00	18.26	0.00	-151.58	182.17	-928.37	1,789.12	1,773.33	15.79	113.287		
3,900.00	3,829.63	0.00	0.00	18.75	0.00	-151.58	182.17	-928.37	1,747.85	1,731.25	16.60	105.293		
4,000.00	3,927.43	0.00	0.00	19.24	0.00	-151.58	182.17	-928.37	1,711.43	1,694.03	17.40	98.346		
4,100.00	4,025.23	0.00	0.00	19.73	0.00	-151.58	182.17	-928.37	1,680.18	1,661.99	18.19	92.379		
4,200.00	4,123.03	0.00	0.00	20.22	0.00	-151.58	182.17	-928.37	1,654.39	1,635.45	18.95	87.325		
4,300.00	4,220.83	0.00	0.00	20.71	0.00	-151.58	182.17	-928.37	1,634.33	1,614.67	19.66	83.125		
4,400.00	4,318.63	0.00	0.00	21.20	0.00	-151.58	182.17	-928.37	1,620.20	1,599.87	20.32	79.721		
4,500.00	4,416.43	0.00	0.00	21.69	0.00	-151.58	182.17	-928.37	1,612.16	1,591.23	20.92	77.059		
4,579.94	4,494.61	0.00	0.00	22.08	0.00	-151.58	182.17	-928.37	1,610.17	1,588.83	21.35	75.432		
4,600.00	4,514.23	0.00	0.00	22.18	0.00	-151.58	182.17	-928.37	1,610.30	1,588.85	21.44	75.090		
4,700.00	4,612.03	0.00	0.00	22.67	0.00	-151.58	182.17	-928.37	1,614.64	1,592.76	21.89	73.769		
4,800.00	4,709.83	0.00	0.00	23.16	0.00	-151.58	182.17	-928.37	1,625.14	1,602.90	22.25	73.053		
4,900.00	4,807.63	14.46	14.46	23.65	0.03	-151.63	182.16	-928.38	1,641.60	1,619.01	22.58	72.691		
5,000.00	4,905.43	100.16	100.16	24.14	0.35	-151.94	181.70	-928.80	1,660.67	1,637.33	23.34	71.163		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - SRC Wiedeman 22-5-4NBHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program:		39-MWD											Offset Well Error:		0.00 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,100.00	5,003.23	187.93	187.92	24.63	0.74	-152.25	181.11	-929.74	1,680.38	1,656.23	24.16	69.566					
5,200.00	5,101.03	279.28	279.26	25.12	1.14	-152.57	180.24	-931.16	1,700.69	1,675.69	25.00	68.033					
5,300.00	5,198.83	374.47	374.43	25.62	1.56	-152.90	179.34	-932.80	1,721.20	1,695.34	25.87	66.541					
5,400.00	5,296.63	465.04	464.97	26.11	1.96	-153.23	177.51	-934.27	1,741.99	1,715.29	26.70	65.235					
5,500.00	5,394.43	557.30	557.16	26.60	2.37	-153.60	174.52	-935.91	1,763.33	1,735.77	27.55	64.001					
5,600.00	5,492.23	652.01	651.77	27.09	2.79	-154.01	170.30	-937.20	1,784.72	1,756.31	28.42	62.803					
5,700.00	5,590.03	736.52	736.12	27.58	3.17	-154.40	165.32	-938.39	1,806.69	1,777.48	29.21	61.849					
5,800.00	5,687.83	818.93	818.30	28.08	3.55	-154.81	159.27	-939.82	1,829.49	1,799.50	29.99	61.002					
5,900.00	5,785.63	902.41	901.47	28.57	3.93	-155.23	152.36	-941.60	1,853.08	1,822.30	30.78	60.206					
6,000.00	5,883.43	975.15	973.90	29.06	4.28	-155.60	145.93	-943.76	1,877.73	1,846.25	31.48	59.642					
6,100.00	5,981.23	1,051.38	1,049.74	29.56	4.64	-155.98	138.91	-946.85	1,903.60	1,871.39	32.21	59.096					
6,200.00	6,079.04	1,136.82	1,134.69	30.05	5.05	-156.39	130.90	-951.03	1,930.39	1,897.38	33.01	58.470					
6,300.00	6,176.84	1,227.87	1,225.24	30.54	5.49	-156.81	122.57	-955.78	1,957.53	1,923.66	33.86	57.807					
6,409.71	6,284.13	1,332.10	1,328.94	31.08	5.99	-157.24	114.07	-961.89	1,987.65	1,952.82	34.83	57.070					
6,450.00	6,323.71	1,376.56	1,373.19	31.28	6.20	-142.99	110.56	-964.42	1,997.47	1,962.25	35.23	56.700					
6,500.00	6,373.15	1,421.07	1,417.49	31.50	6.42	-115.44	106.95	-966.85	2,006.33	1,970.70	35.63	56.315					
6,550.00	6,422.65	1,460.10	1,456.30	31.70	6.61	-84.43	103.44	-969.02	2,011.75	1,975.78	35.96	55.937					
6,600.00	6,471.92	1,503.24	1,499.16	31.89	6.82	-63.24	99.14	-971.47	2,013.72	1,977.40	36.32	55.444					
6,650.00	6,520.65	1,558.07	1,553.58	32.07	7.09	-51.43	93.09	-974.27	2,012.00	1,975.24	36.76	54.729					
6,700.00	6,568.54	1,609.94	1,605.01	32.25	7.35	-44.78	86.71	-976.47	2,006.53	1,969.36	37.17	53.984					
6,750.00	6,615.30	1,658.52	1,653.07	32.43	7.60	-40.91	79.79	-978.04	1,997.45	1,959.92	37.54	53.215					
6,800.00	6,660.63	1,716.97	1,710.76	32.61	7.90	-38.86	70.53	-979.30	1,984.82	1,946.84	37.98	52.259					
6,850.00	6,704.26	1,782.03	1,774.99	32.80	8.24	-38.05	60.22	-980.00	1,968.45	1,929.98	38.48	51.161					
6,900.00	6,745.92	1,854.56	1,846.68	33.00	8.61	-38.25	49.20	-979.88	1,948.35	1,909.32	39.03	49.924					
6,950.00	6,785.34	1,887.63	1,879.39	33.21	8.78	-38.54	44.36	-979.59	1,924.95	1,885.71	39.24	49.057					
7,000.00	6,822.30	1,912.21	1,903.70	33.44	8.90	-39.24	40.72	-979.52	1,898.97	1,859.60	39.38	48.223					
7,050.00	6,856.55	1,935.25	1,926.48	33.69	9.02	-40.45	37.26	-979.58	1,870.58	1,831.07	39.51	47.348					
7,100.00	6,887.90	1,960.00	1,950.95	33.97	9.15	-42.22	33.51	-979.79	1,839.93	1,800.27	39.66	46.392					
7,150.00	6,916.14	1,978.37	1,969.09	34.28	9.25	-44.39	30.70	-980.02	1,807.19	1,767.41	39.77	45.440					
7,200.00	6,941.10	1,998.27	1,988.76	34.62	9.35	-47.21	27.63	-980.32	1,772.51	1,732.60	39.92	44.406					
7,250.00	6,962.63	2,015.74	2,006.01	35.00	9.44	-50.60	24.91	-980.62	1,736.13	1,696.06	40.07	43.331					
7,300.00	6,980.59	2,030.64	2,020.72	35.43	9.52	-54.61	22.58	-980.91	1,698.24	1,658.01	40.23	42.216					
7,350.00	6,994.88	2,042.85	2,032.78	35.89	9.58	-59.26	20.67	-981.18	1,659.09	1,618.69	40.40	41.064					
7,400.00	7,005.41	2,052.26	2,042.08	36.39	9.63	-64.53	19.18	-981.39	1,618.92	1,578.32	40.60	39.879					
7,450.00	7,012.10	2,061.70	2,051.39	36.93	9.68	-70.56	17.69	-981.61	1,577.95	1,537.11	40.84	38.634					
7,500.00	7,014.93	2,067.74	2,057.36	37.50	9.72	-77.03	16.75	-981.75	1,536.44	1,495.32	41.11	37.370					
7,517.56	7,015.00	2,068.57	2,058.17	37.70	9.72	-79.35	16.62	-981.77	1,521.78	1,480.57	41.21	36.927					
7,600.00	7,014.21	2,070.83	2,060.41	38.74	9.73	-79.50	16.26	-981.82	1,453.60	1,411.88	41.72	34.843					
7,700.00	7,013.24	2,073.47	2,063.01	40.15	9.75	-79.68	15.85	-981.87	1,372.99	1,330.46	42.53	32.281					
7,800.00	7,012.28	2,075.99	2,065.50	41.71	9.76	-79.85	15.46	-981.92	1,295.09	1,251.49	43.61	29.699					
7,900.00	7,011.31	2,078.40	2,067.88	43.40	9.77	-80.02	15.08	-981.97	1,220.41	1,175.42	44.99	27.127					
8,000.00	7,010.35	2,080.71	2,070.16	45.21	9.78	-80.18	14.72	-982.02	1,149.58	1,102.86	46.72	24.604					
8,100.00	7,009.38	2,082.93	2,072.35	47.12	9.80	-80.33	14.38	-982.06	1,083.36	1,034.51	48.85	22.178					
8,200.00	7,008.42	2,085.05	2,074.45	49.12	9.81	-80.48	14.05	-982.10	1,022.64	971.26	51.38	19.904					
8,300.00	7,007.45	2,087.10	2,076.47	51.21	9.82	-80.62	13.73	-982.14	968.45	914.16	54.29	17.838					
8,400.00	7,006.49	2,089.06	2,078.41	53.36	9.83	-80.75	13.43	-982.18	921.96	864.43	57.53	16.026					
8,500.00	7,005.52	2,090.95	2,080.28	55.57	9.84	-80.88	13.14	-982.22	884.37	823.41	60.96	14.507					
8,600.00	7,004.56	2,092.77	2,082.08	57.84	9.85	-81.00	12.86	-982.25	856.86	792.45	64.40	13.304					
8,700.00	7,003.59	2,094.52	2,083.81	60.16	9.86	-81.12	12.59	-982.28	840.41	772.77	67.64	12.425					
8,789.60	7,002.73	2,096.04	2,085.31	62.27	9.86	-81.23	12.36	-982.31	835.62	765.44	70.18	11.907 CC					
8,800.00	7,002.63	2,096.21	2,085.48	62.52	9.87	-81.24	12.33	-982.31	835.69	765.24	70.44	11.863 ES					
8,900.00	7,001.66	2,097.84	2,087.09	64.92	9.87	-81.35	12.08	-982.34	842.88	770.24	72.64	11.603 SF					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWVD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	2,099.42	2,088.64	67.35	9.88	-81.46	11.84	-982.36	861.70	787.54	74.16	11.620		
9,100.00	6,999.73	2,100.94	2,090.15	69.81	9.89	-81.56	11.61	-982.39	891.40	816.41	74.99	11.887		
9,200.00	6,998.77	2,102.41	2,091.60	72.31	9.90	-81.67	11.38	-982.41	930.94	855.72	75.22	12.376		
9,300.00	6,997.80	2,103.83	2,093.00	74.82	9.91	-81.76	11.17	-982.44	979.14	904.15	74.99	13.057		
9,400.00	6,996.84	2,105.21	2,094.36	77.36	9.91	-81.86	10.96	-982.46	1,034.78	960.36	74.42	13.905		
9,500.00	6,995.88	2,106.54	2,095.68	79.92	9.92	-81.95	10.75	-982.48	1,096.73	1,023.11	73.62	14.897		
9,600.00	6,994.91	2,107.83	2,096.95	82.49	9.93	-82.04	10.56	-982.50	1,163.99	1,091.30	72.69	16.012		
9,700.00	6,993.95	2,109.08	2,098.19	85.09	9.93	-82.12	10.37	-982.52	1,235.69	1,163.98	71.70	17.233		
9,800.00	6,992.98	2,110.29	2,099.39	87.70	9.94	-82.21	10.18	-982.54	1,311.09	1,240.39	70.70	18.544		
9,900.00	6,992.02	2,111.46	2,100.55	90.32	9.95	-82.29	10.00	-982.56	1,389.61	1,319.89	69.72	19.932		
10,000.00	6,991.05	2,112.61	2,101.68	92.95	9.95	-82.36	9.83	-982.57	1,470.73	1,401.96	68.77	21.387		
10,100.00	6,990.09	2,113.71	2,102.77	95.60	9.96	-82.44	9.66	-982.59	1,554.05	1,486.18	67.87	22.899		
10,200.00	6,989.12	2,114.79	2,103.83	98.26	9.96	-82.51	9.50	-982.60	1,639.24	1,572.22	67.02	24.460		
10,300.00	6,988.16	2,115.84	2,104.87	100.92	9.97	-82.59	9.34	-982.62	1,726.02	1,659.79	66.22	26.063		
10,400.00	6,987.19	2,116.85	2,105.87	103.60	9.97	-82.66	9.19	-982.63	1,814.15	1,748.67	65.49	27.703		
10,500.00	6,986.23	2,117.84	2,106.85	106.28	9.98	-82.72	9.04	-982.65	1,903.47	1,838.67	64.80	29.375		
10,600.00	6,985.26	2,118.80	2,107.80	108.98	9.98	-82.79	8.89	-982.66	1,993.79	1,929.63	64.16	31.074		
10,700.00	6,984.30	2,119.74	2,108.73	111.68	9.99	-82.85	8.75	-982.67	2,085.00	2,021.43	63.57	32.798		
10,800.00	6,983.33	2,120.65	2,109.63	114.38	9.99	-82.92	8.61	-982.69	2,176.98	2,113.96	63.02	34.542		
10,900.00	6,982.37	2,121.54	2,110.50	117.09	10.00	-82.98	8.48	-982.70	2,269.64	2,207.12	62.52	36.304		
11,000.00	6,981.40	2,122.40	2,111.36	119.81	10.00	-83.04	8.35	-982.71	2,362.89	2,300.85	62.05	38.083		
11,100.00	6,980.44	2,123.24	2,112.19	122.54	10.01	-83.09	8.22	-982.72	2,456.68	2,395.07	61.61	39.875		
11,200.00	6,979.47	2,124.07	2,113.00	125.26	10.01	-83.15	8.10	-982.73	2,550.94	2,489.73	61.21	41.678		
11,300.00	6,978.51	2,124.87	2,113.80	128.00	10.02	-83.20	7.98	-982.74	2,645.62	2,584.79	60.83	43.493		
11,400.00	6,977.54	2,125.65	2,114.57	130.73	10.02	-83.26	7.86	-982.75	2,740.68	2,680.20	60.48	45.316		
11,500.00	6,976.58	2,126.41	2,115.32	133.48	10.02	-83.31	7.75	-982.76	2,836.07	2,775.92	60.15	47.147		
11,600.00	6,975.62	2,127.16	2,116.06	136.22	10.03	-83.36	7.64	-982.77	2,931.78	2,871.92	59.85	48.984		
11,700.00	6,974.65	2,127.88	2,116.78	138.97	10.03	-83.41	7.53	-982.78	3,027.76	2,968.19	59.57	50.827		
11,800.00	6,973.69	2,128.59	2,117.48	141.73	10.04	-83.46	7.42	-982.79	3,123.99	3,064.68	59.31	52.675		
11,900.00	6,972.72	2,129.29	2,118.17	144.48	10.04	-83.51	7.32	-982.80	3,220.45	3,161.39	59.06	54.526		
12,000.00	6,971.76	2,129.97	2,118.84	147.24	10.04	-83.55	7.22	-982.81	3,317.12	3,258.29	58.83	56.381		
12,100.00	6,970.79	2,130.63	2,119.49	150.00	10.05	-83.60	7.12	-982.81	3,413.99	3,355.37	58.62	58.239		
12,200.00	6,969.83	2,131.28	2,120.13	152.77	10.05	-83.64	7.02	-982.82	3,511.03	3,452.60	58.42	60.098		
12,300.00	6,968.86	2,131.91	2,120.76	155.54	10.05	-83.69	6.92	-982.83	3,608.23	3,549.99	58.24	61.958		
12,400.00	6,967.90	2,132.53	2,121.37	158.31	10.06	-83.73	6.83	-982.84	3,705.57	3,647.51	58.06	63.820		
12,500.00	6,966.93	2,133.14	2,121.97	161.08	10.06	-83.77	6.74	-982.85	3,802.95	3,745.55	57.89	65.693		
12,600.00	6,965.97	2,133.74	2,122.56	163.85	10.07	-83.81	6.65	-982.86	3,900.54	3,843.78	57.72	67.576		
12,700.00	6,965.00	2,134.33	2,123.14	166.63	10.07	-83.85	6.56	-982.87	4,000.00	3,943.00	57.56	69.468		
12,800.00	6,964.04	2,134.91	2,123.71	169.41	10.08	-83.89	6.47	-982.88	4,096.08	4,042.54	57.40	71.369		
12,900.00	6,963.07	2,135.48	2,124.28	172.19	10.08	-83.92	6.38	-982.89	4,194.00	4,142.07	57.24	73.279		
13,000.00	6,962.11	2,136.04	2,124.84	174.97	10.09	-83.96	6.29	-982.90	4,292.02	4,242.54	57.08	75.198		
13,100.00	6,961.14	2,136.59	2,125.39	177.76	10.09	-84.00	6.20	-982.91	4,390.12	4,343.07	56.92	77.126		
13,200.00	6,960.18	2,137.13	2,125.93	180.54	10.10	-84.04	6.11	-982.92	4,488.31	4,443.14	56.76	79.063		
13,300.00	6,959.21	2,137.66	2,126.46	183.33	10.10	-84.08	6.02	-982.93	4,586.58	4,543.19	56.60	81.009		
13,400.00	6,958.25	2,138.18	2,126.98	186.12	10.11	-84.12	5.93	-982.94	4,684.90	4,643.25	56.44	82.964		
13,500.00	6,957.28	2,138.69	2,127.50	188.91	10.11	-84.16	5.84	-982.95	4,783.24	4,742.22	56.28	84.928		
13,600.00	6,956.32	2,139.19	2,128.01	191.70	10.12	-84.20	5.75	-982.96	4,881.65	4,840.25	56.12	86.899		
13,700.00	6,955.35	2,139.68	2,128.51	194.49	10.12	-84.24	5.66	-982.97	4,980.11	4,939.21	55.96	88.878		
13,800.00	6,954.39	2,140.16	2,129.00	197.29	10.13	-84.28	5.57	-982.98	5,078.62	5,038.25	55.80	90.856		
13,900.00	6,953.43	2,140.63	2,129.48	200.08	10.13	-84.32	5.48	-982.99	5,177.19	5,137.22	55.64	92.833		
14,000.00	6,952.46	2,141.09	2,129.95	202.88	10.14	-84.36	5.39	-983.00	5,275.80	5,235.22	55.48	94.809		
14,100.00	6,951.50	2,141.54	2,130.41	205.68	10.14	-84.40	5.30	-983.01	5,374.46	5,334.47	55.32	96.784		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 39-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	14,200.00	2,313.46	208.48	74.55	-96.69	-21.36	-988.95	5,473.16	5,352.30	120.87	45.283	
14,300.00	6,949.57	14,300.00	2,317.55	211.28	75.08	-96.96	-21.96	-989.13	5,571.93	5,450.58	121.35	45.916	
14,400.00	6,948.60	14,400.00	2,321.64	214.08	75.62	-97.22	-22.57	-989.32	5,670.73	5,548.89	121.84	46.542	
14,500.00	6,947.64	14,500.00	2,325.73	216.88	76.15	-97.48	-23.18	-989.50	5,769.57	5,647.24	122.33	47.162	
14,600.00	6,946.67	14,600.00	2,329.82	219.68	76.69	-97.74	-23.78	-989.68	5,868.45	5,745.62	122.83	47.776	
14,700.00	6,945.71	2,356.61	2,342.91	222.49	11.24	-98.58	-25.86	-990.33	5,967.32	5,909.52	57.80	103.246	
14,800.00	6,944.74	2,358.96	2,345.22	225.29	11.26	-98.72	-26.21	-990.44	6,066.26	6,008.47	57.79	104.973	
14,900.00	6,943.78	2,361.27	2,347.51	228.10	11.27	-98.87	-26.57	-990.54	6,165.23	6,107.45	57.78	106.696	
15,000.00	6,942.81	2,363.55	2,349.75	230.90	11.28	-99.01	-26.92	-990.64	6,264.23	6,206.45	57.78	108.414	
15,100.00	6,941.85	2,365.78	2,351.96	233.71	11.29	-99.15	-27.26	-990.74	6,363.27	6,305.49	57.78	110.127	
15,200.00	6,940.88	2,367.99	2,354.14	236.52	11.30	-99.29	-27.59	-990.84	6,462.33	6,404.54	57.78	111.835	
15,300.00	6,939.92	2,370.16	2,356.28	239.32	11.32	-99.42	-27.92	-990.94	6,561.42	6,503.63	57.79	113.538	
15,400.00	6,938.95	2,372.29	2,358.39	242.13	11.33	-99.55	-28.25	-991.03	6,660.53	6,602.73	57.80	115.236	
15,500.00	6,937.99	2,374.40	2,360.47	244.94	11.34	-99.68	-28.57	-991.12	6,759.67	6,701.86	57.81	116.929	
15,600.00	6,937.02	2,376.47	2,362.51	247.75	11.35	-99.81	-28.88	-991.21	6,858.83	6,801.01	57.82	118.617	
15,706.13	6,936.00	2,378.63	2,364.65	250.74	11.36	-99.94	-29.21	-991.31	6,964.10	6,906.26	57.84	120.402	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-77.24	212.41	-937.83	962.30					
100.00	100.00	59.03	59.03	3.28	3.29	-77.24	212.44	-937.92	961.68	955.11	6.57	146.319		
200.00	200.00	150.59	150.59	3.34	3.34	-77.23	212.73	-938.65	962.53	955.86	6.68	144.137		
300.00	300.00	259.67	259.66	3.44	3.46	-77.24	212.77	-939.65	963.45	956.54	6.90	139.539		
400.00	399.98	345.87	345.83	3.60	3.60	-124.37	211.47	-940.97	965.58	958.38	7.20	134.095		
500.00	499.84	431.54	431.42	3.81	3.77	-124.70	208.64	-943.78	971.05	963.48	7.58	128.140		
600.00	599.45	508.26	507.90	4.05	3.95	-125.16	204.56	-948.04	980.43	972.41	8.01	122.367		
700.00	698.70	580.29	579.45	4.33	4.15	-125.73	199.00	-954.13	994.41	985.92	8.50	117.008		
800.00	797.47	657.74	656.00	4.64	4.40	-126.52	191.14	-962.94	1,013.19	1,004.14	9.05	111.994		
902.00	897.58	756.42	753.27	4.98	4.75	-127.75	179.89	-975.15	1,035.95	1,026.24	9.71	106.713		
1,000.00	993.42	852.06	847.45	5.33	5.14	-129.37	167.62	-986.38	1,058.87	1,048.48	10.39	101.870		
1,100.00	1,091.22	977.49	970.67	5.71	5.69	-131.56	148.47	-999.81	1,082.11	1,070.85	11.26	96.136		
1,200.00	1,189.02	1,127.05	1,116.87	6.11	6.40	-134.36	118.46	-1,008.87	1,101.48	1,089.17	12.31	89.479		
1,300.00	1,286.82	1,225.88	1,212.73	6.53	6.91	-136.34	94.64	-1,012.02	1,119.45	1,106.26	13.19	84.890		
1,400.00	1,384.62	1,350.39	1,333.07	6.95	7.58	-138.84	62.77	-1,013.95	1,137.26	1,123.01	14.25	79.834		
1,500.00	1,482.42	1,434.22	1,413.81	7.38	8.06	-140.53	40.24	-1,014.24	1,155.33	1,140.22	15.11	76.464		
1,600.00	1,580.22	1,522.35	1,498.76	7.83	8.58	-142.24	16.77	-1,014.83	1,174.97	1,158.96	16.01	73.378		
1,700.00	1,678.03	1,600.85	1,574.55	8.27	9.05	-143.70	-3.62	-1,015.93	1,196.39	1,179.53	16.86	70.965		
1,800.00	1,775.83	1,703.56	1,674.06	8.72	9.67	-145.49	-28.98	-1,017.61	1,218.91	1,201.05	17.86	68.254		
1,900.00	1,873.63	1,795.62	1,763.43	9.18	10.22	-147.01	-51.09	-1,018.78	1,241.96	1,223.17	18.79	66.104		
2,000.00	1,971.43	1,882.39	1,847.69	9.64	10.75	-148.39	-71.76	-1,019.81	1,265.79	1,246.11	19.68	64.315		
2,100.00	2,069.23	1,946.47	1,910.23	10.11	11.13	-149.30	-85.53	-1,021.92	1,291.77	1,271.37	20.40	63.316		
2,200.00	2,167.03	2,048.90	2,011.02	10.57	11.69	-150.49	-102.82	-1,027.56	1,319.28	1,297.94	21.34	61.817		
2,300.00	2,264.83	2,208.31	2,169.11	11.04	12.47	-152.00	-122.65	-1,031.15	1,342.29	1,319.70	22.58	59.443		
2,400.00	2,362.63	2,323.24	2,283.71	11.52	12.98	-152.81	-131.05	-1,033.30	1,364.66	1,341.15	23.51	58.045		
2,500.00	2,460.43	2,445.66	2,406.01	11.99	13.45	-153.48	-136.03	-1,034.65	1,385.56	1,361.12	24.44	56.700		
2,600.00	2,558.23	2,553.01	2,513.36	12.47	13.85	-153.95	-137.39	-1,034.99	1,404.99	1,379.71	25.28	55.580		
2,700.00	2,656.03	2,672.61	2,632.95	12.94	14.25	-154.39	-137.14	-1,035.00	1,423.83	1,397.68	26.15	54.456		
2,800.00	2,753.83	2,764.48	2,724.81	13.42	14.53	-154.66	-135.54	-1,034.90	1,442.09	1,415.22	26.88	53.659		
2,900.00	2,851.63	2,862.56	2,822.85	13.90	14.84	-154.91	-132.93	-1,035.16	1,460.47	1,432.83	27.63	52.849		
3,000.00	2,949.43	2,955.34	2,915.60	14.38	15.13	-155.13	-130.41	-1,035.56	1,479.01	1,450.63	28.38	52.116		
3,100.00	3,047.23	3,043.01	3,003.23	14.87	15.42	-155.34	-128.19	-1,036.45	1,498.16	1,469.05	29.11	51.465		
3,200.00	3,145.03	3,148.04	3,108.23	15.35	15.76	-155.58	-125.71	-1,037.94	1,517.80	1,487.88	29.92	50.726		
3,300.00	3,242.83	3,252.60	3,212.70	15.83	16.11	-155.77	-121.55	-1,038.69	1,536.23	1,505.50	30.73	49.988		
3,400.00	3,340.63	3,341.84	3,301.86	16.32	16.41	-155.92	-118.25	-1,039.73	1,555.22	1,523.74	31.48	49.402		
3,500.00	3,438.43	3,473.57	3,433.53	16.80	16.85	-156.19	-114.07	-1,040.09	1,573.61	1,541.18	32.42	48.533		
3,600.00	3,536.23	3,559.29	3,519.21	17.29	17.15	-156.37	-111.52	-1,039.53	1,591.17	1,558.00	33.17	47.969		
3,700.00	3,634.03	3,653.14	3,613.02	17.78	17.47	-156.57	-109.02	-1,039.30	1,609.25	1,575.29	33.96	47.388		
3,800.00	3,731.83	3,750.19	3,710.05	18.26	17.82	-156.78	-106.70	-1,039.30	1,627.66	1,592.89	34.77	46.818		
3,900.00	3,829.63	3,865.52	3,825.33	18.75	18.23	-157.04	-103.87	-1,038.32	1,645.25	1,609.59	35.66	46.136		
4,000.00	3,927.43	3,967.69	3,927.47	19.24	18.59	-157.27	-101.47	-1,036.95	1,662.50	1,626.00	36.50	45.548		
4,100.00	4,025.23	4,057.94	4,017.68	19.73	18.92	-157.46	-99.12	-1,035.79	1,679.72	1,642.44	37.29	45.049		
4,200.00	4,123.03	4,146.22	4,105.92	20.22	19.24	-157.62	-96.51	-1,035.45	1,697.66	1,659.60	38.06	44.600		
4,300.00	4,220.83	4,247.70	4,207.35	20.71	19.62	-157.79	-93.23	-1,035.44	1,715.87	1,676.96	38.91	44.100		
4,400.00	4,318.63	4,370.35	4,329.91	21.20	20.07	-158.00	-89.02	-1,034.24	1,733.11	1,693.25	39.86	43.483		
4,500.00	4,416.43	4,458.02	4,417.54	21.69	20.39	-158.16	-86.36	-1,032.93	1,750.06	1,709.42	40.64	43.061		
4,600.00	4,514.23	4,543.58	4,503.07	22.18	20.72	-158.32	-84.09	-1,032.19	1,767.72	1,726.30	41.42	42.681		
4,700.00	4,612.03	4,636.47	4,595.92	22.67	21.07	-158.49	-81.81	-1,031.74	1,785.84	1,743.61	42.23	42.288		
4,800.00	4,709.83	4,721.35	4,680.79	23.16	21.40	-158.65	-80.12	-1,031.70	1,804.54	1,761.54	43.00	41.962		
4,900.00	4,807.63	4,815.51	4,774.92	23.65	21.76	-158.81	-78.16	-1,032.25	1,823.79	1,779.96	43.83	41.612		
5,000.00	4,905.43	4,936.48	4,895.88	24.14	22.23	-159.04	-75.95	-1,032.07	1,842.49	1,797.69	44.80	41.127		
5,100.00	5,003.23	5,063.54	5,022.90	24.63	22.73	-159.30	-73.96	-1,029.79	1,859.83	1,814.03	45.80	40.608		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,143.92	5,103.25	25.12	23.04	-159.48	-72.92	-1,027.95	1,876.84	1,830.27	46.56	40.308		
5,300.00	5,198.83	5,228.15	5,187.47	25.62	23.37	-159.67	-72.41	-1,026.62	1,894.76	1,847.42	47.34	40.021		
5,400.00	5,296.63	5,303.47	5,262.78	26.11	23.68	-159.83	-72.07	-1,026.09	1,913.59	1,865.52	48.07	39.807		
5,500.00	5,394.43	5,437.42	5,396.72	26.60	24.22	-160.13	-72.10	-1,025.21	1,932.83	1,883.70	49.14	39.337		
5,600.00	5,492.23	5,551.69	5,510.87	27.09	24.68	-160.50	-74.66	-1,020.80	1,949.90	1,899.81	50.09	38.925		
5,700.00	5,590.03	5,636.87	5,595.97	27.58	25.03	-160.76	-76.52	-1,017.57	1,967.08	1,916.19	50.89	38.651		
5,800.00	5,687.83	5,721.58	5,680.67	28.08	25.37	-160.94	-76.22	-1,016.10	1,985.12	1,933.43	51.68	38.409		
5,900.00	5,785.63	5,815.26	5,774.33	28.57	25.75	-161.10	-74.61	-1,015.33	2,003.46	1,950.95	52.52	38.148		
6,000.00	5,883.43	5,895.21	5,854.22	29.06	26.06	-161.17	-71.83	-1,015.73	2,022.30	1,969.03	53.27	37.964		
6,100.00	5,981.23	5,962.00	5,920.91	29.56	26.33	-161.20	-68.60	-1,017.55	2,042.52	1,988.59	53.93	37.873		
6,200.00	6,079.04	6,089.56	6,048.25	30.05	26.83	-161.23	-62.28	-1,021.32	2,062.99	2,008.02	54.97	37.529		
6,300.00	6,176.84	6,203.57	6,162.23	30.54	27.29	-161.39	-60.11	-1,021.07	2,081.77	2,025.84	55.93	37.222		
6,409.71	6,284.13	6,295.55	6,254.22	31.08	27.67	-161.56	-59.77	-1,020.45	2,102.70	2,045.91	56.78	37.029		
6,450.00	6,323.71	6,331.20	6,289.86	31.28	27.82	-147.24	-59.52	-1,020.49	2,109.45	2,052.35	57.11	36.940		
6,500.00	6,373.15	6,381.51	6,340.16	31.50	28.02	-119.68	-58.87	-1,020.70	2,114.61	2,057.08	57.53	36.756		
6,550.00	6,422.65	6,431.89	6,390.54	31.70	28.23	-88.70	-57.85	-1,021.06	2,116.14	2,058.19	57.94	36.521		
6,600.00	6,471.92	6,482.09	6,440.71	31.89	28.43	-67.53	-56.52	-1,021.55	2,114.04	2,055.70	58.34	36.238		
6,650.00	6,520.65	6,537.13	6,495.73	32.07	28.66	-55.71	-55.06	-1,022.01	2,108.29	2,049.54	58.75	35.889		
6,700.00	6,568.54	6,592.30	6,550.90	32.25	28.88	-49.11	-54.31	-1,021.91	2,098.85	2,039.71	59.14	35.490		
6,750.00	6,615.30	6,641.16	6,599.75	32.43	29.08	-45.32	-54.12	-1,021.49	2,085.88	2,026.39	59.48	35.068		
6,800.00	6,660.63	6,683.77	6,642.36	32.61	29.26	-43.19	-54.24	-1,020.92	2,069.53	2,009.76	59.77	34.623		
6,850.00	6,704.26	6,715.10	6,673.68	32.80	29.39	-42.08	-54.29	-1,020.69	2,050.19	1,990.21	59.98	34.179		
6,900.00	6,745.92	6,745.33	6,703.92	33.00	29.51	-41.77	-54.20	-1,020.72	2,028.03	1,967.85	60.18	33.700		
6,950.00	6,785.34	6,782.04	6,740.63	33.21	29.66	-42.22	-53.95	-1,021.03	2,003.15	1,942.74	60.41	33.159		
7,000.00	6,822.30	6,826.34	6,784.92	33.44	29.85	-43.45	-53.51	-1,021.37	1,975.45	1,914.76	60.69	32.550		
7,050.00	6,856.55	6,867.27	6,825.85	33.69	30.02	-45.29	-52.99	-1,021.59	1,945.12	1,884.17	60.95	31.912		
7,100.00	6,887.90	6,887.33	6,845.91	33.97	30.10	-47.38	-52.86	-1,021.72	1,912.60	1,851.51	61.09	31.308		
7,150.00	6,916.14	6,909.81	6,868.39	34.28	30.19	-50.15	-52.77	-1,021.88	1,878.09	1,816.84	61.25	30.661		
7,200.00	6,941.10	6,929.77	6,888.35	34.62	30.28	-53.56	-52.78	-1,022.04	1,841.85	1,780.43	61.42	29.987		
7,250.00	6,962.63	6,947.77	6,906.35	35.00	30.35	-57.66	-52.86	-1,022.20	1,804.11	1,742.51	61.60	29.287		
7,300.00	6,980.59	6,964.80	6,923.37	35.43	30.42	-62.51	-52.94	-1,022.37	1,765.09	1,703.29	61.81	28.558		
7,350.00	6,994.88	6,978.53	6,937.11	35.89	30.48	-68.02	-53.00	-1,022.52	1,725.06	1,663.03	62.03	27.811		
7,400.00	7,005.41	6,988.87	6,947.44	36.39	30.52	-74.09	-53.04	-1,022.65	1,684.27	1,622.00	62.27	27.049		
7,450.00	7,012.10	6,995.71	6,954.28	36.93	30.55	-80.55	-53.06	-1,022.73	1,643.01	1,580.49	62.53	26.276		
7,500.00	7,014.93	6,998.97	6,957.54	37.50	30.57	-87.19	-53.08	-1,022.78	1,601.56	1,538.75	62.81	25.497		
7,517.56	7,015.00	6,999.26	6,957.83	37.70	30.57	-89.52	-53.08	-1,022.78	1,587.01	1,524.09	62.92	25.222		
7,600.00	7,014.21	6,999.55	6,958.12	38.74	30.57	-89.54	-53.08	-1,022.78	1,519.43	1,455.94	63.49	23.930		
7,700.00	7,013.24	6,999.90	6,958.47	40.15	30.57	-89.56	-53.08	-1,022.79	1,439.54	1,375.15	64.39	22.357		
7,800.00	7,012.28	7,000.26	6,958.84	41.71	30.57	-89.58	-53.08	-1,022.79	1,362.31	1,296.77	65.54	20.786		
7,900.00	7,011.31	7,000.63	6,959.20	43.40	30.57	-89.61	-53.08	-1,022.80	1,288.21	1,221.22	66.98	19.231		
8,000.00	7,010.35	7,001.00	6,959.57	45.21	30.57	-89.63	-53.08	-1,022.80	1,217.82	1,149.05	68.76	17.710		
8,100.00	7,009.38	7,001.38	6,959.95	47.12	30.58	-89.65	-53.08	-1,022.81	1,151.82	1,080.91	70.91	16.244		
8,200.00	7,008.42	7,001.76	6,960.33	49.12	30.58	-89.68	-53.09	-1,022.81	1,091.00	1,017.58	73.42	14.860		
8,300.00	7,007.45	7,002.15	6,960.72	51.21	30.58	-89.70	-53.09	-1,022.82	1,036.28	959.99	76.29	13.584		
8,400.00	7,006.49	7,002.54	6,961.11	53.36	30.58	-89.73	-53.09	-1,022.82	988.67	909.22	79.45	12.444		
8,500.00	7,005.52	7,002.94	6,961.51	55.57	30.58	-89.75	-53.09	-1,022.83	949.25	866.44	82.81	11.462		
8,600.00	7,004.56	7,003.35	6,961.92	57.84	30.58	-89.78	-53.09	-1,022.83	919.06	832.84	86.22	10.660		
8,700.00	7,003.59	7,003.76	6,962.33	60.16	30.59	-89.81	-53.09	-1,022.84	899.04	809.56	89.48	10.047		
8,800.00	7,002.63	7,004.17	6,962.75	62.52	30.59	-89.83	-53.09	-1,022.85	889.87	797.47	92.40	9.631		
8,832.01	7,002.32	7,004.31	6,962.88	63.29	30.59	-89.84	-53.09	-1,022.85	889.30	796.06	93.24	9.538 CC, ES		
8,900.00	7,001.66	7,004.60	6,963.17	64.92	30.59	-89.86	-53.09	-1,022.85	891.89	797.08	94.81	9.407		
9,000.00	7,000.70	7,005.03	6,963.60	67.35	30.59	-89.89	-53.10	-1,022.86	905.02	808.42	96.60	9.368 SF		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,005.46	6,964.03	69.81	30.59	-89.92	-53.10	-1,022.86	928.80	831.05	97.75	9.502		
9,200.00	6,998.77	7,005.90	6,964.48	72.31	30.60	-89.95	-53.10	-1,022.87	962.42	864.13	98.29	9.791		
9,300.00	6,997.80	7,006.35	6,964.92	74.82	30.60	-89.97	-53.10	-1,022.88	1,004.92	906.59	98.33	10.220		
9,400.00	6,996.84	7,006.81	6,965.38	77.36	30.60	-90.00	-53.10	-1,022.88	1,055.20	957.24	97.96	10.772		
9,500.00	6,995.88	7,007.27	6,965.84	79.92	30.60	-90.03	-53.10	-1,022.89	1,112.23	1,014.91	97.31	11.429		
9,600.00	6,994.91	7,007.74	6,966.31	82.49	30.60	-90.06	-53.11	-1,022.90	1,175.01	1,078.53	96.48	12.179		
9,700.00	6,993.95	7,008.22	6,966.79	85.09	30.61	-90.09	-53.11	-1,022.90	1,242.67	1,147.14	95.53	13.008		
9,800.00	6,992.98	7,008.71	6,967.28	87.70	30.61	-90.13	-53.11	-1,022.91	1,314.47	1,219.94	94.53	13.905		
9,900.00	6,992.02	7,009.20	6,967.77	90.32	30.61	-90.16	-53.11	-1,022.92	1,389.76	1,296.23	93.53	14.860		
10,000.00	6,991.05	7,009.70	6,968.27	92.95	30.61	-90.19	-53.11	-1,022.92	1,468.00	1,375.46	92.53	15.864		
10,100.00	6,990.09	7,010.21	6,968.78	95.60	30.61	-90.22	-53.11	-1,022.93	1,548.75	1,457.17	91.58	16.912		
10,200.00	6,989.12	7,010.73	6,969.30	98.26	30.62	-90.26	-53.12	-1,022.94	1,631.63	1,540.96	90.66	17.997		
10,300.00	6,988.16	7,011.26	6,969.83	100.92	30.62	-90.29	-53.12	-1,022.94	1,716.33	1,626.53	89.80	19.113		
10,400.00	6,987.19	7,011.79	6,970.36	103.60	30.62	-90.32	-53.12	-1,022.95	1,802.61	1,713.62	88.99	20.257		
10,500.00	6,986.23	7,012.34	6,970.91	106.28	30.62	-90.36	-53.12	-1,022.96	1,890.23	1,802.01	88.23	21.425		
10,600.00	6,985.26	7,012.89	6,971.46	108.98	30.62	-90.40	-53.12	-1,022.97	1,979.03	1,891.52	87.52	22.613		
10,700.00	6,984.30	7,013.45	6,972.02	111.68	30.63	-90.43	-53.12	-1,022.98	2,068.86	1,982.00	86.85	23.820		
10,800.00	6,983.33	7,014.03	6,972.60	114.38	30.63	-90.47	-53.13	-1,022.98	2,159.57	2,073.34	86.24	25.042		
10,900.00	6,982.37	7,014.61	6,973.18	117.09	30.63	-90.51	-53.13	-1,022.99	2,251.08	2,165.41	85.66	26.278		
11,000.00	6,981.40	7,015.20	6,973.77	119.81	30.63	-90.54	-53.13	-1,023.00	2,343.27	2,258.15	85.13	27.526		
11,100.00	6,980.44	7,015.81	6,974.38	122.54	30.64	-90.58	-53.13	-1,023.01	2,436.09	2,351.46	84.63	28.785		
11,200.00	6,979.47	7,016.42	6,974.99	125.26	30.64	-90.62	-53.13	-1,023.02	2,529.45	2,445.28	84.17	30.053		
11,300.00	6,978.51	7,017.05	6,975.62	128.00	30.64	-90.66	-53.13	-1,023.03	2,623.30	2,539.56	83.74	31.329		
11,400.00	6,977.54	7,017.69	6,976.26	130.73	30.64	-90.70	-53.14	-1,023.04	2,717.59	2,634.25	83.33	32.611		
11,500.00	6,976.58	7,018.34	6,976.91	133.48	30.65	-90.75	-53.14	-1,023.05	2,812.27	2,729.31	82.96	33.900		
11,600.00	6,975.62	7,019.00	6,977.57	136.22	30.65	-90.79	-53.14	-1,023.06	2,907.31	2,824.70	82.61	35.195		
11,700.00	6,974.65	7,019.67	6,978.24	138.97	30.65	-90.83	-53.14	-1,023.07	3,002.67	2,920.39	82.28	36.494		
11,800.00	6,973.69	7,020.36	6,978.93	141.73	30.66	-90.88	-53.14	-1,023.08	3,098.32	3,016.35	81.97	37.797		
11,900.00	6,972.72	7,021.06	6,979.63	144.48	30.66	-90.92	-53.15	-1,023.09	3,194.24	3,112.56	81.69	39.104		
12,000.00	6,971.76	7,021.77	6,980.34	147.24	30.66	-90.97	-53.15	-1,023.10	3,290.41	3,208.99	81.42	40.413		
12,100.00	6,970.79	7,022.50	6,981.07	150.00	30.67	-91.01	-53.15	-1,023.11	3,386.79	3,305.62	81.17	41.725		
12,200.00	6,969.83	7,023.24	6,981.81	152.77	30.67	-91.06	-53.15	-1,023.12	3,483.38	3,402.45	80.93	43.040		
12,300.00	6,968.86	7,024.00	6,982.57	155.54	30.67	-91.11	-53.16	-1,023.13	3,580.16	3,499.44	80.71	44.356		
12,400.00	6,967.90	7,024.77	6,983.34	158.31	30.67	-91.16	-53.16	-1,023.14	3,677.10	3,596.60	80.51	45.673		
12,500.00	6,966.93	7,025.56	6,984.13	161.08	30.68	-91.21	-53.16	-1,023.15	3,774.21	3,693.90	80.32	46.991		
12,600.00	6,965.97	7,026.36	6,984.93	163.85	30.68	-91.26	-53.16	-1,023.17	3,871.47	3,791.33	80.14	48.311		
12,700.00	6,965.00	7,027.18	6,985.75	166.63	30.68	-91.32	-53.16	-1,023.18	3,968.86	3,888.89	79.97	49.631		
12,800.00	6,964.04	7,028.02	6,986.59	169.41	30.69	-91.37	-53.17	-1,023.19	4,066.37	3,986.57	79.81	50.951		
12,900.00	6,963.07	7,028.87	6,987.44	172.19	30.69	-91.43	-53.17	-1,023.20	4,164.01	4,084.35	79.66	52.271		
13,000.00	6,962.11	7,029.75	6,988.32	174.97	30.70	-91.48	-53.17	-1,023.22	4,261.75	4,182.23	79.52	53.591		
13,100.00	6,961.14	7,030.64	6,989.21	177.76	30.70	-91.54	-53.17	-1,023.23	4,359.60	4,280.21	79.39	54.911		
13,200.00	6,960.18	7,031.55	6,990.12	180.54	30.70	-91.60	-53.18	-1,023.25	4,457.54	4,378.27	79.27	56.230		
13,300.00	6,959.21	7,032.48	6,991.05	183.33	30.71	-91.66	-53.18	-1,023.26	4,555.58	4,476.42	79.16	57.549		
13,400.00	6,958.25	7,033.44	6,992.01	186.12	30.71	-91.72	-53.18	-1,023.28	4,653.69	4,574.64	79.05	58.867		
13,500.00	6,957.28	7,034.41	6,992.98	188.91	30.72	-91.78	-53.18	-1,023.29	4,751.88	4,672.93	78.96	60.184		
13,600.00	6,956.32	7,035.41	6,993.98	191.70	30.72	-91.85	-53.19	-1,023.31	4,850.15	4,771.29	78.86	61.500		
13,700.00	6,955.35	7,036.43	6,995.00	194.49	30.72	-91.91	-53.19	-1,023.32	4,948.49	4,869.71	78.78	62.814		
13,800.00	6,954.39	7,037.47	6,996.04	197.29	30.73	-91.98	-53.19	-1,023.34	5,046.89	4,968.19	78.70	64.128		
13,900.00	6,953.43	7,038.54	6,997.11	200.08	30.73	-92.05	-53.19	-1,023.36	5,145.35	5,066.73	78.63	65.439		
14,000.00	6,952.46	7,039.64	6,998.20	202.88	30.74	-92.12	-53.20	-1,023.37	5,243.87	5,165.31	78.56	66.750		
14,100.00	6,951.50	7,040.76	6,999.33	205.68	30.74	-92.19	-53.20	-1,023.39	5,342.45	5,263.95	78.50	68.058		
14,200.00	6,950.53	7,041.91	7,000.47	208.48	30.75	-92.26	-53.20	-1,023.41	5,441.08	5,362.64	78.44	69.365		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Boomerang 21-5 - WIEDEMAN #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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
14,300.00	6,949.57	7,043.08	7,001.65	211.28	30.75	-92.34	-53.20	-1,023.43	5,539.76	5,461.37	78.39	70.670					
14,400.00	6,948.60	7,044.29	7,002.86	214.08	30.76	-92.42	-53.21	-1,023.45	5,638.48	5,560.14	78.34	71.973					
14,500.00	6,947.64	7,045.53	7,004.10	216.88	30.76	-92.50	-53.21	-1,023.47	5,737.25	5,658.95	78.30	73.273					
14,600.00	6,946.67	7,046.80	7,005.37	219.68	30.77	-92.58	-53.21	-1,023.49	5,836.06	5,757.80	78.26	74.572					
14,700.00	6,945.71	7,041.27	6,999.84	222.49	30.74	-92.22	-53.19	-1,023.40	5,934.91	5,856.70	78.21	75.887					
14,800.00	6,944.74	7,041.94	7,000.51	225.29	30.75	-92.27	-53.19	-1,023.41	6,033.80	5,955.62	78.17	77.184					
14,900.00	6,943.78	7,042.62	7,001.18	228.10	30.75	-92.31	-53.19	-1,023.42	6,132.72	6,054.58	78.15	78.478					
15,000.00	6,942.81	7,043.29	7,001.85	230.90	30.75	-92.35	-53.19	-1,023.43	6,231.68	6,153.56	78.12	79.770					
15,100.00	6,941.85	7,043.96	7,002.52	233.71	30.75	-92.40	-53.19	-1,023.44	6,330.67	6,252.57	78.10	81.060					
15,200.00	6,940.88	7,044.63	7,003.19	236.52	30.76	-92.44	-53.19	-1,023.45	6,429.69	6,351.61	78.08	82.347					
15,300.00	6,939.92	7,045.30	7,003.86	239.32	30.76	-92.48	-53.19	-1,023.46	6,528.74	6,450.68	78.07	83.631					
15,400.00	6,938.95	7,045.97	7,004.53	242.13	30.76	-92.52	-53.20	-1,023.47	6,627.82	6,549.77	78.05	84.914					
15,500.00	6,937.99	7,046.64	7,005.20	244.94	30.77	-92.57	-53.20	-1,023.48	6,726.93	6,648.89	78.04	86.193					
15,600.00	6,937.02	7,047.31	7,005.87	247.75	30.77	-92.61	-53.20	-1,023.49	6,826.07	6,748.03	78.04	87.470					
15,706.13	6,936.00	7,048.02	7,006.58	250.74	30.77	-92.66	-53.20	-1,023.50	6,931.30	6,853.26	78.04	88.823					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-78.05	197.47	-932.82	954.21					
100.00	100.00	57.71	57.71	3.28	3.29	-78.05	197.49	-932.94	953.63	947.05	6.57	145.098		
200.00	200.00	146.43	146.42	3.34	3.34	-78.05	197.65	-933.94	954.77	948.10	6.68	143.015		
300.00	300.00	270.83	270.81	3.44	3.47	-78.08	197.35	-934.95	955.58	948.66	6.92	138.131		
400.00	399.98	442.31	442.09	3.60	3.78	-125.45	193.30	-928.63	952.83	945.40	7.43	128.320		
500.00	499.84	594.76	593.46	3.81	4.16	-126.30	184.60	-913.08	944.70	936.64	8.06	117.198		
600.00	599.45	751.42	747.56	4.05	4.71	-127.73	170.68	-888.67	932.81	923.96	8.84	105.483		
700.00	698.70	855.41	849.04	4.33	5.15	-129.05	159.44	-868.97	919.66	910.21	9.45	97.328		
800.00	797.47	966.67	957.58	4.64	5.68	-130.63	147.47	-847.64	908.95	898.80	10.16	89.476		
902.00	897.58	1,090.73	1,077.79	4.98	6.34	-132.62	133.57	-820.33	897.82	886.82	11.00	81.656		
1,000.00	993.42	1,185.17	1,169.23	5.33	6.88	-134.05	124.00	-798.75	888.28	876.55	11.73	75.756		
1,100.00	1,091.22	1,291.02	1,271.33	5.71	7.52	-135.74	112.41	-773.34	877.90	865.34	12.56	69.873		
1,200.00	1,189.02	1,388.86	1,365.54	6.11	8.15	-137.43	100.11	-749.99	868.33	854.92	13.42	64.726		
1,300.00	1,286.82	1,473.98	1,447.33	6.53	8.71	-139.02	88.27	-729.61	859.50	845.24	14.25	60.301		
1,400.00	1,384.62	1,555.41	1,525.77	6.95	9.24	-140.63	75.65	-711.76	853.50	838.38	15.12	56.453		
1,500.00	1,482.42	1,638.97	1,606.02	7.38	9.80	-142.46	60.23	-694.35	849.74	833.69	16.05	52.954		
1,581.51	1,562.14	1,704.31	1,668.46	7.74	10.25	-144.04	45.86	-681.57	848.79	831.96	16.83	50.437 CC		
1,600.00	1,580.22	1,720.13	1,683.54	7.83	10.36	-144.44	42.12	-678.57	848.83	831.81	17.02	49.875 ES		
1,700.00	1,678.03	1,803.79	1,762.98	8.27	10.95	-146.64	21.03	-662.98	850.57	832.51	18.06	47.092		
1,800.00	1,775.83	1,887.55	1,842.11	8.72	11.56	-148.94	-2.03	-648.11	855.22	836.07	19.16	44.646		
1,900.00	1,873.63	1,981.40	1,929.84	9.18	12.28	-151.66	-30.60	-630.95	861.91	841.51	20.40	42.259		
2,000.00	1,971.43	2,067.73	2,009.32	9.64	12.99	-154.33	-59.96	-614.42	870.85	849.21	21.64	40.240		
2,100.00	2,069.23	2,154.68	2,088.39	10.11	13.74	-157.12	-91.86	-597.43	882.66	859.71	22.94	38.472		
2,200.00	2,167.03	2,252.29	2,176.99	10.57	14.61	-160.19	-127.56	-577.31	896.16	871.78	24.39	36.750		
2,300.00	2,264.83	2,345.88	2,262.28	11.04	15.46	-163.01	-160.91	-558.03	911.89	886.11	25.78	35.372		
2,400.00	2,362.63	2,435.79	2,344.43	11.52	16.28	-165.60	-191.83	-538.54	928.56	901.44	27.12	34.240		
2,500.00	2,460.43	2,508.31	2,410.89	11.99	16.94	-167.61	-216.98	-524.07	948.75	920.52	28.22	33.616		
2,600.00	2,558.23	2,598.28	2,493.57	12.47	17.76	-169.98	-247.87	-506.62	971.16	941.64	29.52	32.902		
2,700.00	2,656.03	2,675.06	2,563.25	12.94	18.48	-172.05	-275.98	-490.87	995.79	965.14	30.65	32.494		
2,800.00	2,753.83	2,738.57	2,619.74	13.42	19.13	-173.83	-301.65	-477.35	1,023.80	992.21	31.59	32.410		
2,900.00	2,851.63	2,810.99	2,683.12	13.90	19.89	-175.89	-333.03	-461.76	1,055.29	1,022.64	32.65	32.325		
3,000.00	2,949.43	2,916.31	2,775.82	14.38	20.99	-178.69	-377.81	-439.58	1,088.66	1,054.48	34.18	31.850		
3,100.00	3,047.23	2,996.55	2,847.74	14.87	21.80	-179.42	-409.54	-423.47	1,122.40	1,087.13	35.27	31.821		
3,200.00	3,145.03	3,065.03	2,908.95	15.35	22.49	-177.87	-437.18	-410.14	1,158.42	1,122.27	36.15	32.045		
3,300.00	3,242.83	3,155.00	2,989.21	15.83	23.40	-175.93	-474.22	-393.38	1,196.74	1,159.40	37.34	32.050		
3,400.00	3,340.63	3,291.56	3,113.20	16.32	24.74	-173.36	-525.45	-367.98	1,233.67	1,194.47	39.19	31.476		
3,500.00	3,438.43	3,389.19	3,202.58	16.80	25.67	-171.68	-559.70	-348.74	1,269.18	1,228.75	40.43	31.395		
3,600.00	3,536.23	3,463.96	3,271.24	17.29	26.38	-170.49	-585.74	-334.69	1,305.79	1,264.47	41.32	31.605		
3,700.00	3,634.03	3,578.43	3,377.10	17.78	27.43	-168.83	-623.89	-313.68	1,342.08	1,299.34	42.74	31.400		
3,800.00	3,731.83	3,649.54	3,442.70	18.26	28.09	-167.83	-647.84	-300.26	1,379.15	1,335.60	43.55	31.666		
3,900.00	3,829.63	3,708.78	3,496.98	18.75	28.66	-167.00	-668.85	-289.27	1,418.31	1,374.13	44.18	32.101		
4,000.00	3,927.43	3,815.47	3,594.79	19.24	29.67	-165.62	-707.12	-270.54	1,458.89	1,413.40	45.49	32.070		
4,100.00	4,025.23	3,908.34	3,680.71	19.73	30.52	-164.54	-738.64	-254.80	1,498.61	1,452.03	46.57	32.177		
4,200.00	4,123.03	3,960.74	3,728.88	20.22	31.02	-163.93	-757.15	-245.67	1,539.66	1,492.58	47.08	32.704		
4,300.00	4,220.83	4,016.37	3,779.34	20.71	31.56	-163.26	-778.36	-235.74	1,583.14	1,535.53	47.61	33.253		
4,400.00	4,318.63	4,089.02	3,844.71	21.20	32.30	-162.39	-807.12	-222.46	1,628.12	1,579.71	48.41	33.634		
4,500.00	4,416.43	4,163.38	3,911.36	21.69	33.07	-161.52	-837.14	-208.79	1,674.14	1,624.91	49.23	34.005		
4,600.00	4,514.23	4,294.74	4,028.95	22.18	34.44	-160.01	-889.37	-182.44	1,719.39	1,668.42	50.97	33.732		
4,700.00	4,612.03	4,375.50	4,101.59	22.67	35.29	-159.15	-920.71	-166.16	1,764.33	1,712.42	51.91	33.989		
4,800.00	4,709.83	4,456.05	4,173.71	23.16	36.14	-158.30	-952.34	-149.27	1,809.78	1,756.94	52.84	34.253		
4,900.00	4,807.63	4,519.72	4,230.42	23.65	36.82	-157.64	-977.93	-135.73	1,856.26	1,802.76	53.50	34.696		
5,000.00	4,905.43	4,611.39	4,312.07	24.14	37.80	-156.75	-1,015.06	-116.83	1,903.57	1,848.97	54.61	34.861		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	4,673.53	4,367.42	24.63	38.48	156.16	-1,040.26	-104.04	1,951.28	1,896.04	55.24	35.322		
5,200.00	5,101.03	4,772.08	4,454.32	25.12	39.57	155.23	-1,081.54	-82.71	2,000.17	1,943.71	56.46	35.424		
5,300.00	5,198.83	4,949.77	4,613.78	25.62	41.45	153.72	-1,149.34	-43.44	2,045.42	1,986.55	58.87	34.746		
5,400.00	5,296.63	5,025.71	4,682.66	26.11	42.22	153.15	-1,176.96	-27.34	2,090.19	2,030.48	59.71	35.006		
5,500.00	5,394.43	5,088.32	4,739.60	26.60	42.86	152.72	-1,199.93	-15.09	2,135.90	2,075.54	60.36	35.389		
5,600.00	5,492.23	5,139.71	4,786.00	27.09	43.39	152.37	-1,219.57	-5.00	2,183.05	2,122.23	60.82	35.892		
5,700.00	5,590.03	5,591.29	5,208.24	27.58	47.30	150.30	-1,356.79	70.21	2,226.22	2,160.00	66.21	33.622		
5,800.00	5,687.83	5,735.34	5,348.90	28.08	48.18	150.07	-1,383.54	85.93	2,258.32	2,190.76	67.56	33.428		
5,900.00	5,785.63	5,865.95	5,477.44	28.57	48.89	150.00	-1,404.24	96.16	2,288.90	2,220.17	68.73	33.303		
6,000.00	5,883.43	6,116.36	5,726.26	29.06	49.93	150.18	-1,429.10	108.23	2,314.03	2,243.54	70.49	32.827		
6,100.00	5,981.23	6,303.91	5,913.59	29.56	50.50	150.51	-1,436.48	112.31	2,335.13	2,263.46	71.67	32.582		
6,200.00	6,079.04	6,438.18	6,047.86	30.05	50.82	150.84	-1,437.34	112.70	2,353.90	2,281.34	72.57	32.439		
6,300.00	6,176.84	6,566.92	6,176.57	30.54	51.06	151.22	-1,435.47	110.95	2,371.31	2,297.91	73.40	32.306		
6,409.71	6,284.13	6,687.75	6,297.30	31.08	51.26	151.61	-1,431.92	107.84	2,389.37	2,315.11	74.26	32.175		
6,450.00	6,323.71	6,719.65	6,329.16	31.28	51.31	166.38	-1,430.91	106.80	2,395.58	2,321.04	74.54	32.138		
6,500.00	6,373.15	6,759.52	6,369.00	31.50	51.37	-165.51	-1,429.75	105.35	2,402.20	2,327.35	74.85	32.093		
6,550.00	6,422.65	6,788.85	6,398.30	31.70	51.43	-133.99	-1,429.09	104.34	2,407.68	2,332.57	75.11	32.057		
6,600.00	6,471.92	6,817.31	6,426.75	31.89	51.48	-112.27	-1,428.81	103.61	2,412.11	2,336.79	75.32	32.026		
6,650.00	6,520.65	6,853.00	6,462.43	32.07	51.55	-99.89	-1,428.95	103.03	2,415.51	2,340.00	75.51	31.987		
6,700.00	6,568.54	6,906.20	6,515.63	32.25	51.67	-92.80	-1,429.30	102.34	2,417.59	2,341.85	75.74	31.919		
6,750.00	6,615.30	6,957.57	6,567.00	32.43	51.78	-88.53	-1,429.21	101.44	2,417.93	2,341.99	75.94	31.840		
6,800.00	6,660.63	6,986.33	6,595.75	32.61	51.84	-85.71	-1,429.29	100.93	2,417.15	2,341.10	76.05	31.782		
6,850.00	6,704.26	7,013.99	6,623.40	32.80	51.90	-83.90	-1,429.57	100.45	2,415.42	2,339.28	76.14	31.722		
6,900.00	6,745.92	7,041.18	6,650.58	33.00	51.97	-82.78	-1,430.04	100.02	2,412.82	2,336.60	76.22	31.655		
6,950.00	6,785.34	7,067.86	6,677.25	33.21	52.05	-82.17	-1,430.71	99.77	2,409.40	2,333.11	76.30	31.579		
7,000.00	6,822.30	7,092.54	6,701.92	33.44	52.12	-81.91	-1,431.52	99.71	2,405.26	2,328.90	76.36	31.498		
7,050.00	6,856.55	7,121.00	6,730.36	33.69	52.19	-82.02	-1,432.67	99.86	2,400.52	2,324.07	76.45	31.401		
7,100.00	6,887.90	7,162.54	6,771.86	33.97	52.31	-82.63	-1,434.27	99.97	2,395.13	2,318.53	76.60	31.269		
7,150.00	6,916.14	7,217.78	6,827.08	34.28	52.47	-83.74	-1,435.66	99.23	2,388.94	2,312.12	76.82	31.097		
7,200.00	6,941.10	7,257.86	6,867.15	34.62	52.55	-84.75	-1,436.24	98.25	2,382.19	2,305.20	76.99	30.940		
7,250.00	6,962.63	7,295.09	6,904.35	35.00	52.64	-85.86	-1,436.49	97.09	2,375.12	2,297.93	77.19	30.771		
7,300.00	6,980.59	7,381.05	6,990.21	35.43	52.80	-88.18	-1,435.38	93.04	2,367.70	2,290.20	77.50	30.551		
7,350.00	6,994.88	7,350.00	6,976.52	35.89	52.74	-88.34	-1,435.49	93.63	2,360.12	2,282.52	77.60	30.415		
7,400.00	7,005.41	7,410.15	7,019.25	36.39	52.85	-89.85	-1,434.52	91.41	2,352.96	2,275.05	77.91	30.201		
7,450.00	7,012.10	7,417.03	7,026.12	36.93	52.87	-90.54	-1,434.33	91.11	2,346.21	2,268.07	78.14	30.026		
7,500.00	7,014.93	7,420.69	7,029.77	37.50	52.87	-91.16	-1,434.24	90.96	2,340.00	2,261.61	78.38	29.853		
7,517.56	7,015.00	7,421.25	7,030.33	37.70	52.87	-91.35	-1,434.23	90.93	2,337.95	2,259.48	78.47	29.793		
7,600.00	7,014.21	7,422.94	7,032.02	38.74	52.88	-91.40	-1,434.18	90.87	2,329.97	2,251.01	78.95	29.510		
7,700.00	7,013.24	7,424.83	7,033.91	40.15	52.88	-91.44	-1,434.14	90.80	2,324.17	2,244.49	79.68	29.169		
7,784.91	7,012.42	7,426.31	7,035.38	41.47	52.88	-91.48	-1,434.10	90.74	2,322.62	2,242.21	80.41	28.885		
7,800.00	7,012.28	7,426.56	7,035.63	41.71	52.88	-91.49	-1,434.10	90.73	2,322.67	2,242.13	80.54	28.840		
7,900.00	7,011.31	7,428.14	7,037.22	43.40	52.89	-91.52	-1,434.06	90.68	2,325.47	2,243.96	81.51	28.530		
8,000.00	7,010.35	7,429.61	7,038.68	45.21	52.89	-91.56	-1,434.02	90.62	2,332.56	2,249.97	82.58	28.246		
8,100.00	7,009.38	7,430.96	7,040.04	47.12	52.89	-91.59	-1,433.99	90.58	2,343.89	2,260.16	83.73	27.993		
8,200.00	7,008.42	7,432.22	7,041.29	49.12	52.89	-91.63	-1,433.96	90.54	2,359.41	2,274.47	84.94	27.776		
8,300.00	7,007.45	7,433.39	7,042.46	51.21	52.90	-91.65	-1,433.94	90.50	2,379.03	2,292.83	86.20	27.598		
8,400.00	7,006.49	7,434.48	7,043.55	53.36	52.90	-91.68	-1,433.91	90.47	2,402.66	2,315.16	87.50	27.459		
8,500.00	7,005.52	7,435.50	7,044.57	55.57	52.90	-91.71	-1,433.89	90.43	2,430.18	2,341.36	88.82	27.361		
8,600.00	7,004.56	7,436.45	7,045.52	57.84	52.90	-91.73	-1,433.87	90.41	2,461.45	2,371.30	90.15	27.304		
8,700.00	7,003.59	7,437.35	7,046.42	60.16	52.90	-91.75	-1,433.85	90.38	2,496.34	2,404.86	91.48	27.288 SF		
8,800.00	7,002.63	7,438.19	7,047.26	62.52	52.91	-91.77	-1,433.83	90.36	2,534.69	2,441.88	92.81	27.311		
8,900.00	7,001.66	7,438.98	7,048.05	64.92	52.91	-91.79	-1,433.81	90.33	2,576.36	2,482.24	94.12	27.373		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	7,439.73	7,048.80	67.35	52.91	-91.81	-1,433.80	90.31	2,621.18	2,525.77	95.41	27.472		
9,100.00	6,999.73	7,440.44	7,049.51	69.81	52.91	-91.83	-1,433.78	90.29	2,669.00	2,572.32	96.68	27.607		
9,200.00	6,998.77	7,441.11	7,050.18	72.31	52.91	-91.84	-1,433.77	90.27	2,719.65	2,621.74	97.91	27.777		
9,300.00	6,997.80	7,441.75	7,050.82	74.82	52.91	-91.86	-1,433.75	90.26	2,772.99	2,673.88	99.11	27.979		
9,400.00	6,996.84	7,442.35	7,051.42	77.36	52.91	-91.88	-1,433.74	90.24	2,828.85	2,728.59	100.27	28.214		
9,500.00	6,995.88	7,442.93	7,051.99	79.92	52.91	-91.89	-1,433.73	90.23	2,887.10	2,785.72	101.38	28.478		
9,600.00	6,994.91	7,443.48	7,052.54	82.49	52.91	-91.90	-1,433.72	90.21	2,947.60	2,845.15	102.45	28.771		
9,700.00	6,993.95	7,444.00	7,053.06	85.09	52.92	-91.92	-1,433.71	90.20	3,010.19	2,906.72	103.47	29.091		
9,800.00	6,992.98	7,444.49	7,053.56	87.70	52.92	-91.93	-1,433.70	90.19	3,074.77	2,970.32	104.45	29.437		
9,900.00	6,992.02	7,444.97	7,054.03	90.32	52.92	-91.94	-1,433.69	90.18	3,141.20	3,035.82	105.39	29.806		
10,000.00	6,991.05	7,445.42	7,054.49	92.95	52.92	-91.95	-1,433.68	90.17	3,209.38	3,103.10	106.28	30.198		
10,100.00	6,990.09	7,445.86	7,054.92	95.60	52.92	-91.96	-1,433.67	90.16	3,279.18	3,172.06	107.12	30.612		
10,200.00	6,989.12	7,446.27	7,055.34	98.26	52.92	-91.97	-1,433.66	90.15	3,350.52	3,242.60	107.92	31.046		
10,300.00	6,988.16	7,446.67	7,055.74	100.92	52.92	-91.98	-1,433.65	90.14	3,423.29	3,314.61	108.68	31.499		
10,400.00	6,987.19	7,447.00	7,056.06	103.60	52.97	-92.66	-1,433.17	89.76	3,497.74	3,388.35	109.39	31.974		
10,500.00	6,986.23	7,447.00	7,056.06	106.28	52.97	-92.66	-1,433.17	89.76	3,573.11	3,463.04	110.07	32.461		
10,600.00	6,985.26	7,447.00	7,056.06	108.98	52.97	-92.66	-1,433.17	89.76	3,649.66	3,538.94	110.72	32.963		
10,700.00	6,984.30	7,447.00	7,056.06	111.68	52.97	-92.66	-1,433.17	89.76	3,727.33	3,616.00	111.33	33.480		
10,800.00	6,983.33	7,447.00	7,056.06	114.38	52.97	-92.66	-1,433.17	89.76	3,806.03	3,694.13	111.91	34.011		
10,900.00	6,982.37	7,447.00	7,056.06	117.09	52.97	-92.66	-1,433.17	89.76	3,885.72	3,773.27	112.45	34.555		
11,000.00	6,981.40	7,447.00	7,056.06	119.81	52.97	-92.66	-1,433.17	89.76	3,966.32	3,853.36	112.97	35.111		
11,100.00	6,980.44	7,447.00	7,056.06	122.54	52.97	-92.66	-1,433.17	89.76	4,047.80	3,934.34	113.45	35.678		
11,200.00	6,979.47	7,447.00	7,056.06	125.26	52.97	-92.66	-1,433.17	89.76	4,130.08	4,016.17	113.92	36.256		
11,300.00	6,978.51	7,447.00	7,056.06	128.00	52.97	-92.66	-1,433.17	89.76	4,213.13	4,098.78	114.35	36.844		
11,400.00	6,977.54	7,447.00	7,056.06	130.73	52.97	-92.66	-1,433.17	89.76	4,296.91	4,182.14	114.76	37.441		
11,500.00	6,976.58	7,447.00	7,056.06	133.48	52.97	-92.66	-1,433.17	89.76	4,381.36	4,266.21	115.16	38.047		
11,600.00	6,975.62	7,447.00	7,056.06	136.22	52.97	-92.66	-1,433.17	89.76	4,466.46	4,350.93	115.53	38.662		
11,700.00	6,974.65	7,447.00	7,056.06	138.97	52.97	-92.66	-1,433.17	89.76	4,552.16	4,436.28	115.88	39.284		
11,800.00	6,973.69	7,447.00	7,056.06	141.73	52.97	-92.66	-1,433.17	89.76	4,638.44	4,522.23	116.21	39.914		
11,900.00	6,972.72	7,447.00	7,056.06	144.48	52.97	-92.66	-1,433.17	89.76	4,725.25	4,608.73	116.53	40.550		
12,000.00	6,971.76	7,447.00	7,056.06	147.24	52.97	-92.66	-1,433.17	89.76	4,812.58	4,695.75	116.83	41.193		
12,100.00	6,970.79	7,447.00	7,056.06	150.00	52.97	-92.66	-1,433.17	89.76	4,900.39	4,783.28	117.12	41.843		
12,200.00	6,969.83	7,447.00	7,056.06	152.77	52.97	-92.66	-1,433.17	89.76	4,988.67	4,871.28	117.39	42.498		
12,300.00	6,968.86	7,447.00	7,056.06	155.54	52.97	-92.66	-1,433.17	89.76	5,077.37	4,959.73	117.65	43.158		
12,400.00	6,967.90	7,447.00	7,056.06	158.31	52.97	-92.66	-1,433.17	89.76	5,166.49	5,048.60	117.89	43.823		
12,500.00	6,966.93	7,447.00	7,056.06	161.08	52.97	-92.66	-1,433.17	89.76	5,256.00	5,137.87	118.13	44.494		
12,600.00	6,965.97	7,447.00	7,056.06	163.85	52.97	-92.66	-1,433.17	89.76	5,345.88	5,227.53	118.35	45.169		
12,700.00	6,965.00	7,447.00	7,056.06	166.63	52.97	-92.66	-1,433.17	89.76	5,436.12	5,317.55	118.57	45.848		
12,800.00	6,964.04	7,447.00	7,056.06	169.41	52.97	-92.66	-1,433.17	89.76	5,526.69	5,407.92	118.77	46.531		
12,900.00	6,963.07	7,447.00	7,056.06	172.19	52.97	-92.66	-1,433.17	89.76	5,617.58	5,498.61	118.97	47.218		
13,000.00	6,962.11	7,447.00	7,056.06	174.97	52.97	-92.66	-1,433.17	89.76	5,708.78	5,589.62	119.16	47.909		
13,100.00	6,961.14	7,447.00	7,056.06	177.76	52.97	-92.66	-1,433.17	89.76	5,800.27	5,680.93	119.34	48.603		
13,200.00	6,960.18	7,447.00	7,056.06	180.54	52.97	-92.66	-1,433.17	89.76	5,892.03	5,772.52	119.51	49.300		
13,300.00	6,959.21	7,447.00	7,056.06	183.33	52.97	-92.66	-1,433.17	89.76	5,984.06	5,864.38	119.68	50.001		
13,400.00	6,958.25	7,447.00	7,056.06	186.12	52.97	-92.66	-1,433.17	89.76	6,076.33	5,956.49	119.84	50.704		
13,500.00	6,957.28	7,447.00	7,056.06	188.91	52.97	-92.66	-1,433.17	89.76	6,168.85	6,048.86	119.99	51.410		
13,600.00	6,956.32	7,447.00	7,056.06	191.70	52.97	-92.66	-1,433.17	89.76	6,261.60	6,141.46	120.14	52.118		
13,700.00	6,955.35	7,447.00	7,056.06	194.49	52.97	-92.66	-1,433.17	89.76	6,354.57	6,234.29	120.29	52.829		
13,800.00	6,954.39	7,447.00	7,056.06	197.29	52.97	-92.66	-1,433.17	89.76	6,447.75	6,327.33	120.42	53.542		
13,900.00	6,953.43	7,447.00	7,056.06	200.08	52.97	-92.66	-1,433.17	89.76	6,541.14	6,420.58	120.56	54.257		
14,000.00	6,952.46	7,447.00	7,056.06	202.88	52.97	-92.66	-1,433.17	89.76	6,634.71	6,514.02	120.69	54.974		
14,100.00	6,951.50	7,447.00	7,056.06	205.68	52.97	-92.66	-1,433.17	89.76	6,728.47	6,607.66	120.81	55.694		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - WIEDEMAN #22-5 - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,200.00	6,950.53	7,474.00	7,083.06	208.48	52.97	-92.66	-1,433.17	89.76	6,822.41	6,701.47	120.93	56.414	
14,300.00	6,949.57	7,474.00	7,083.06	211.28	52.97	-92.66	-1,433.17	89.76	6,916.51	6,795.46	121.05	57.137	
14,400.00	6,948.60	7,474.00	7,083.06	214.08	52.97	-92.66	-1,433.17	89.76	7,010.78	6,889.62	121.17	57.861	
14,500.00	6,947.64	7,474.00	7,083.06	216.88	52.97	-92.66	-1,433.17	89.76	7,105.21	6,983.93	121.28	58.587	
14,600.00	6,946.67	7,474.00	7,083.06	219.68	52.97	-92.66	-1,433.17	89.76	7,199.78	7,078.40	121.38	59.314	
14,700.00	6,945.71	7,474.00	7,083.06	222.49	52.97	-92.66	-1,433.17	89.76	7,294.51	7,173.02	121.49	60.042	
14,800.00	6,944.74	7,474.00	7,083.06	225.29	52.97	-92.66	-1,433.17	89.76	7,389.37	7,267.77	121.59	60.772	
14,900.00	6,943.78	7,474.00	7,083.06	228.10	52.97	-92.66	-1,433.17	89.76	7,484.36	7,362.67	121.69	61.503	
15,000.00	6,942.81	7,474.00	7,083.06	230.90	52.97	-92.66	-1,433.17	89.76	7,579.48	7,457.70	121.79	62.234	
15,100.00	6,941.85	7,474.00	7,083.06	233.71	52.97	-92.66	-1,433.17	89.76	7,674.73	7,552.85	121.88	62.967	
15,200.00	6,940.88	7,474.00	7,083.06	236.52	52.97	-92.66	-1,433.17	89.76	7,770.10	7,648.12	121.98	63.701	
15,300.00	6,939.92	7,474.00	7,083.06	239.32	52.97	-92.66	-1,433.17	89.76	7,865.58	7,743.51	122.07	64.436	
15,400.00	6,938.95	7,474.00	7,083.06	242.13	52.97	-92.66	-1,433.17	89.76	7,961.17	7,839.01	122.16	65.171	
15,500.00	6,937.99	7,474.00	7,083.06	244.94	52.97	-92.66	-1,433.17	89.76	8,056.87	7,934.63	122.25	65.907	
15,600.00	6,937.02	7,474.00	7,083.06	247.75	52.97	-92.66	-1,433.17	89.76	8,152.68	8,030.34	122.33	66.644	
15,706.13	6,936.00	7,474.00	7,083.06	250.74	52.97	-92.66	-1,433.17	89.76	8,254.46	8,132.04	122.42	67.427	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-76.40	228.07	-942.57	970.47					
100.00	100.00	60.73	60.73	3.28	3.29	-76.40	228.11	-942.61	969.82	963.25	6.57	147.548	CC, ES	
200.00	200.00	155.91	155.91	3.34	3.34	-76.38	228.48	-942.99	970.30	963.62	6.68	145.230		
300.00	300.00	253.05	253.05	3.44	3.45	-76.35	229.21	-943.70	971.18	964.29	6.90	140.801		
400.00	399.98	349.47	349.45	3.60	3.61	-123.36	230.12	-944.70	973.37	966.17	7.21	135.008		
500.00	499.84	453.50	453.47	3.81	3.82	-123.51	231.12	-945.68	977.40	969.78	7.62	128.231		
600.00	599.45	552.67	552.64	4.05	4.06	-123.80	231.88	-946.48	983.20	975.10	8.10	121.350		
700.00	698.70	651.42	651.38	4.33	4.33	-124.22	232.74	-947.36	991.12	982.48	8.64	114.653		
800.00	797.47	749.60	749.55	4.64	4.61	-124.80	232.55	-948.40	1,001.07	991.83	9.24	108.396		
902.00	897.58	851.31	851.24	4.98	4.93	-125.60	231.16	-949.80	1,013.56	1,003.67	9.89	102.529		
1,000.00	993.42	954.79	954.66	5.33	5.26	-126.78	227.86	-950.86	1,026.24	1,015.67	10.56	97.149		
1,100.00	1,091.22	1,051.70	1,051.35	5.71	5.59	-128.04	221.37	-952.05	1,039.26	1,028.00	11.26	92.303		
1,200.00	1,189.02	1,137.67	1,137.07	6.11	5.89	-129.17	215.07	-953.55	1,053.23	1,041.28	11.95	88.172		
1,300.00	1,286.82	1,218.91	1,217.92	6.53	6.19	-130.29	207.66	-956.15	1,068.91	1,056.28	12.64	84.594		
1,400.00	1,384.62	1,299.05	1,297.39	6.95	6.51	-131.50	198.08	-960.05	1,086.55	1,073.21	13.34	81.445		
1,500.00	1,482.42	1,403.95	1,400.94	7.38	6.94	-133.19	182.43	-965.98	1,105.53	1,091.35	14.18	77.960		
1,600.00	1,580.22	1,525.35	1,520.47	7.83	7.48	-135.20	161.58	-970.02	1,122.99	1,107.86	15.13	74.207		
1,700.00	1,678.03	1,606.82	1,600.39	8.27	7.85	-136.60	145.98	-972.33	1,140.93	1,125.02	15.91	71.701		
1,800.00	1,775.83	1,697.81	1,689.07	8.72	8.30	-138.24	125.86	-975.45	1,160.47	1,143.71	16.77	69.214		
1,900.00	1,873.63	1,830.31	1,817.31	9.18	9.00	-140.74	92.63	-976.85	1,178.97	1,161.07	17.90	65.852		
2,000.00	1,971.43	1,928.07	1,911.11	9.64	9.56	-142.68	65.10	-975.76	1,197.12	1,178.25	18.87	63.440		
2,100.00	2,069.23	2,010.82	1,989.85	10.11	10.06	-144.37	39.70	-974.56	1,216.62	1,196.85	19.77	61.541		
2,200.00	2,167.03	2,086.79	2,061.38	10.57	10.55	-145.98	14.17	-973.71	1,238.29	1,217.65	20.64	59.995		
2,300.00	2,264.83	2,151.98	2,122.10	11.04	11.00	-147.41	-9.58	-973.34	1,262.52	1,241.09	21.43	58.907		
2,400.00	2,362.63	2,202.60	2,168.77	11.52	11.37	-148.53	-29.16	-974.03	1,290.39	1,268.30	22.09	58.412		
2,500.00	2,460.43	2,265.37	2,226.09	11.99	11.85	-149.94	-54.65	-976.08	1,321.82	1,298.97	22.85	57.854		
2,600.00	2,558.23	2,343.30	2,296.70	12.47	12.48	-151.67	-87.51	-978.93	1,355.60	1,331.85	23.75	57.076		
2,700.00	2,656.03	2,422.14	2,367.94	12.94	13.13	-153.38	-121.17	-981.50	1,390.79	1,366.13	24.66	56.388		
2,800.00	2,753.83	2,487.00	2,426.54	13.42	13.68	-154.73	-148.83	-984.43	1,428.33	1,402.91	25.42	56.191		
2,900.00	2,851.63	2,557.81	2,490.50	13.90	14.29	-156.14	-178.94	-988.39	1,467.97	1,441.74	26.23	55.968		
3,000.00	2,949.43	2,632.54	2,558.00	14.38	14.95	-157.56	-210.71	-992.89	1,509.14	1,482.06	27.07	55.741		
3,100.00	3,047.23	2,700.33	2,619.14	14.87	15.55	-158.80	-239.64	-997.34	1,551.87	1,524.04	27.83	55.761		
3,200.00	3,145.03	2,769.45	2,681.24	15.35	16.17	-160.02	-269.56	-1,002.46	1,596.43	1,567.84	28.59	55.832		
3,300.00	3,242.83	2,861.88	2,764.39	15.83	17.02	-161.57	-309.35	-1,009.27	1,641.81	1,612.17	29.64	55.399		
3,400.00	3,340.63	2,952.46	2,846.19	16.32	17.85	-163.01	-347.75	-1,015.57	1,687.43	1,656.78	30.65	55.052		
3,500.00	3,438.43	3,042.19	2,927.13	16.80	18.68	-164.37	-386.01	-1,021.32	1,733.57	1,701.91	31.65	54.768		
3,600.00	3,536.23	3,165.60	3,039.36	17.29	19.80	-166.10	-436.85	-1,028.45	1,779.32	1,746.27	33.05	53.833		
3,700.00	3,634.03	3,253.38	3,119.75	17.78	20.60	-167.24	-471.89	-1,032.52	1,824.18	1,790.16	34.02	53.624		
3,800.00	3,731.83	3,348.01	3,206.18	18.26	21.46	-168.44	-510.18	-1,036.57	1,869.69	1,834.63	35.06	53.329		
3,900.00	3,829.63	3,444.27	3,294.68	18.75	22.32	-169.57	-547.84	-1,040.61	1,914.95	1,878.84	36.11	53.024		
4,000.00	3,927.43	3,517.29	3,361.72	19.24	22.98	-170.40	-576.62	-1,043.44	1,960.64	1,923.75	36.89	53.142		
4,100.00	4,025.23	3,611.11	3,447.78	19.73	23.83	-171.43	-613.81	-1,047.31	2,007.11	1,969.19	37.92	52.934		
4,200.00	4,123.03	3,699.01	3,528.73	20.22	24.62	-172.33	-647.89	-1,050.74	2,053.33	2,014.46	38.87	52.832		
4,300.00	4,220.83	3,757.63	3,582.68	20.71	25.15	-172.90	-670.69	-1,053.25	2,100.33	2,060.87	39.46	53.221		
4,400.00	4,318.63	3,818.00	3,637.82	21.20	25.70	-173.49	-695.02	-1,056.67	2,149.20	2,109.12	40.08	53.626		
4,500.00	4,416.43	3,872.50	3,687.30	21.69	26.22	-174.01	-717.61	-1,060.00	2,199.35	2,158.73	40.62	54.145		
4,600.00	4,514.23	3,952.46	3,759.66	22.18	26.99	-174.78	-751.36	-1,064.32	2,250.02	2,208.54	41.48	54.245		
4,700.00	4,612.03	4,038.84	3,837.65	22.67	27.82	-175.58	-788.24	-1,068.66	2,301.08	2,258.66	42.42	54.242		
4,800.00	4,709.83	4,134.67	3,924.21	23.16	28.75	-176.45	-829.16	-1,072.78	2,352.03	2,308.54	43.48	54.090		
4,900.00	4,807.63	4,200.00	4,026.46	23.65	30.00	-177.40	-875.72	-1,077.36	2,402.27	2,352.68	44.59	48.444		
5,000.00	4,905.43	4,333.36	4,105.11	24.14	30.64	-178.09	-910.98	-1,080.28	2,452.09	2,406.42	45.68	53.683		
5,100.00	5,003.23	4,433.14	4,195.88	24.63	31.58	-178.88	-952.29	-1,083.38	2,502.40	2,455.62	46.78	53.498		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	4,514.31	4,270.07	25.12	32.35	-179.47	-985.09	-1,086.14	2,552.45	2,504.81	47.64	53.577		
5,300.00	5,198.83	4,611.64	4,359.48	25.62	33.24	179.88	-1,023.30	-1,090.54	2,602.64	2,553.95	48.69	53.450		
5,400.00	5,296.63	4,735.40	4,474.29	26.11	34.34	179.18	-1,068.93	-1,097.78	2,652.30	2,602.28	50.03	53.016		
5,500.00	5,394.43	4,924.87	4,652.61	26.60	35.91	178.28	-1,132.07	-1,108.07	2,699.24	2,647.21	52.03	51.877		
5,600.00	5,492.23	5,068.94	4,789.59	27.09	37.04	177.67	-1,176.27	-1,114.29	2,744.01	2,690.51	53.49	51.299		
5,700.00	5,590.03	5,221.35	4,935.60	27.58	38.17	177.10	-1,219.57	-1,119.99	2,786.99	2,732.00	54.98	50.687		
5,800.00	5,687.83	5,423.79	5,131.75	28.08	39.54	176.50	-1,269.05	-1,127.30	2,827.29	2,770.44	56.84	49.738		
5,900.00	5,785.63	5,634.71	5,338.57	28.57	40.78	176.07	-1,309.67	-1,134.30	2,863.84	2,805.24	58.60	48.867		
6,000.00	5,883.43	5,882.32	5,583.73	29.06	42.01	175.76	-1,343.50	-1,140.95	2,896.33	2,835.92	60.42	47.939		
6,100.00	5,981.23	6,024.48	5,725.23	29.56	42.61	175.65	-1,357.01	-1,142.78	2,924.55	2,863.05	61.50	47.556		
6,200.00	6,079.04	6,133.85	5,834.16	30.05	43.07	175.57	-1,366.66	-1,144.16	2,952.49	2,890.10	62.39	47.320		
6,300.00	6,176.84	6,216.47	5,916.50	30.54	43.40	175.53	-1,373.39	-1,145.69	2,980.33	2,917.18	63.15	47.195		
6,409.71	6,284.13	6,315.97	6,015.65	31.08	43.80	175.50	-1,381.14	-1,148.47	3,011.26	2,947.24	64.02	47.039		
6,450.00	6,323.71	6,392.09	6,091.56	31.28	44.10	-169.71	-1,386.18	-1,150.94	3,021.54	2,957.02	64.52	46.830		
6,500.00	6,373.15	6,481.08	6,180.40	31.50	44.42	-141.69	-1,390.66	-1,153.68	3,031.22	2,966.14	65.08	46.575		
6,550.00	6,422.65	6,571.41	6,270.63	31.70	44.72	-110.42	-1,393.84	-1,156.18	3,037.49	2,971.88	65.61	46.299		
6,600.00	6,471.92	6,646.43	6,345.61	31.89	44.94	-89.03	-1,395.24	-1,158.37	3,040.41	2,974.39	66.02	46.050		
6,650.00	6,520.65	6,716.92	6,416.06	32.07	45.14	-77.04	-1,395.58	-1,160.70	3,040.17	2,973.78	66.39	45.792		
6,700.00	6,568.54	6,784.62	6,483.72	32.25	45.32	-70.29	-1,395.08	-1,163.17	3,036.84	2,970.12	66.72	45.518		
6,750.00	6,615.30	6,849.73	6,548.77	32.43	45.48	-66.41	-1,393.99	-1,165.63	3,030.52	2,963.51	67.01	45.224		
6,800.00	6,660.63	6,800.00	6,621.54	32.61	45.36	-64.34	-1,391.85	-1,168.15	3,020.93	2,953.96	66.97	45.112		
6,850.00	6,704.26	6,987.36	6,686.27	32.80	45.79	-63.41	-1,389.83	-1,169.98	3,008.64	2,941.08	67.55	44.537		
6,900.00	6,745.92	7,024.57	6,723.46	33.00	45.87	-63.11	-1,389.03	-1,170.58	2,994.00	2,926.28	67.72	44.215		
6,950.00	6,785.34	7,053.17	6,752.05	33.21	45.95	-63.37	-1,388.69	-1,170.83	2,977.23	2,909.38	67.86	43.875		
7,000.00	6,822.30	7,078.81	6,777.70	33.44	46.02	-64.11	-1,388.67	-1,170.89	2,958.56	2,890.57	67.99	43.516		
7,050.00	6,856.55	7,102.25	6,801.14	33.69	46.09	-65.27	-1,388.87	-1,170.80	2,938.12	2,870.00	68.12	43.134		
7,100.00	6,887.90	7,126.38	6,825.26	33.97	46.16	-66.85	-1,389.30	-1,170.58	2,916.08	2,847.82	68.26	42.721		
7,150.00	6,916.14	7,158.27	6,857.15	34.28	46.25	-68.93	-1,389.87	-1,170.27	2,892.53	2,824.07	68.45	42.256		
7,200.00	6,941.10	7,186.53	6,885.40	34.62	46.34	-71.32	-1,390.30	-1,170.03	2,867.63	2,798.97	68.66	41.766		
7,250.00	6,962.63	7,210.94	6,909.81	35.00	46.41	-73.95	-1,390.62	-1,169.85	2,841.60	2,772.71	68.88	41.252		
7,300.00	6,980.59	7,224.22	6,923.09	35.43	46.45	-76.63	-1,390.77	-1,169.80	2,814.69	2,745.58	69.10	40.733		
7,350.00	6,994.88	7,235.75	6,934.62	35.89	46.49	-79.50	-1,390.88	-1,169.79	2,787.11	2,717.76	69.35	40.187		
7,400.00	7,005.41	7,244.46	6,943.32	36.39	46.51	-82.48	-1,390.96	-1,169.81	2,759.06	2,689.43	69.64	39.621		
7,450.00	7,012.10	7,250.19	6,949.05	36.93	46.53	-85.54	-1,391.01	-1,169.84	2,730.75	2,660.80	69.95	39.038		
7,500.00	7,014.93	7,252.80	6,951.67	37.50	46.54	-88.63	-1,391.03	-1,169.85	2,702.35	2,632.06	70.29	38.443		
7,517.56	7,015.00	7,252.96	6,951.82	37.70	46.54	-89.70	-1,391.03	-1,169.86	2,692.40	2,621.97	70.42	38.232		
7,600.00	7,014.21	7,252.73	6,951.60	38.74	46.54	-89.70	-1,391.03	-1,169.85	2,646.56	2,575.47	71.10	37.224		
7,700.00	7,013.24	7,252.45	6,951.32	40.15	46.54	-89.69	-1,391.02	-1,169.85	2,593.41	2,521.30	72.11	35.966		
7,800.00	7,012.28	7,252.15	6,951.02	41.71	46.54	-89.68	-1,391.02	-1,169.85	2,543.07	2,469.74	73.32	34.682		
7,900.00	7,011.31	7,251.84	6,950.70	43.40	46.54	-89.67	-1,391.02	-1,169.85	2,495.72	2,420.98	74.75	33.389		
8,000.00	7,010.35	7,251.50	6,950.37	45.21	46.53	-89.67	-1,391.02	-1,169.85	2,451.55	2,375.18	76.37	32.101		
8,100.00	7,009.38	7,251.15	6,950.02	47.12	46.53	-89.66	-1,391.01	-1,169.85	2,410.71	2,332.53	78.18	30.834		
8,200.00	7,008.42	7,250.78	6,949.65	49.12	46.53	-89.65	-1,391.01	-1,169.84	2,373.39	2,293.21	80.18	29.601		
8,300.00	7,007.45	7,250.39	6,949.25	51.21	46.53	-89.64	-1,391.01	-1,169.84	2,339.75	2,257.41	82.34	28.416		
8,400.00	7,006.49	7,249.97	6,948.84	53.36	46.53	-89.63	-1,391.00	-1,169.84	2,309.95	2,225.30	84.65	27.289		
8,500.00	7,005.52	7,249.53	6,948.39	55.57	46.53	-89.62	-1,391.00	-1,169.84	2,284.14	2,197.05	87.09	26.227		
8,600.00	7,004.56	7,249.05	6,947.92	57.84	46.53	-89.60	-1,391.00	-1,169.83	2,262.47	2,172.82	89.64	25.238		
8,700.00	7,003.59	7,248.55	6,947.41	60.16	46.53	-89.59	-1,390.99	-1,169.83	2,245.04	2,152.75	92.29	24.327		
8,800.00	7,002.63	7,248.01	6,946.87	62.52	46.52	-89.58	-1,390.99	-1,169.83	2,231.96	2,136.96	95.00	23.495		
8,900.00	7,001.66	7,247.43	6,946.29	64.92	46.52	-89.56	-1,390.98	-1,169.83	2,223.30	2,125.56	97.74	22.746		
9,000.00	7,000.70	7,246.81	6,945.67	67.35	46.52	-89.55	-1,390.98	-1,169.82	2,219.13	2,118.62	100.51	22.080		
9,042.79	7,000.29	7,246.53	6,945.39	68.40	46.52	-89.54	-1,390.98	-1,169.82	2,218.71	2,117.02	101.69	21.819		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,246.14	6,945.00	69.81	46.52	-89.53	-1,390.97	-1,169.82	2,219.45	2,116.20	103.26	21.495		
9,200.00	6,998.77	7,245.41	6,944.28	72.31	46.52	-89.51	-1,390.97	-1,169.82	2,224.28	2,118.31	105.97	20.990		
9,300.00	6,997.80	7,244.62	6,943.49	74.82	46.51	-89.49	-1,390.96	-1,169.81	2,233.57	2,124.95	108.62	20.564		
9,400.00	6,996.84	7,243.77	6,942.63	77.36	46.51	-89.47	-1,390.95	-1,169.81	2,247.28	2,136.10	111.18	20.213		
9,500.00	6,995.88	7,242.83	6,941.70	79.92	46.51	-89.44	-1,390.95	-1,169.81	2,265.33	2,151.69	113.64	19.934		
9,600.00	6,994.91	7,241.80	6,940.67	82.49	46.51	-89.42	-1,390.94	-1,169.81	2,287.61	2,171.63	115.98	19.723		
9,700.00	6,993.95	7,240.67	6,939.54	85.09	46.50	-89.39	-1,390.93	-1,169.80	2,314.00	2,195.81	118.19	19.578		
9,800.00	6,992.98	7,239.42	6,938.29	87.70	46.50	-89.35	-1,390.92	-1,169.80	2,344.36	2,224.11	120.26	19.495		
9,900.00	6,992.02	7,238.03	6,936.89	90.32	46.49	-89.32	-1,390.90	-1,169.80	2,378.54	2,256.37	122.17	19.469 SF		
10,000.00	6,991.05	7,236.47	6,935.33	92.95	46.49	-89.28	-1,390.89	-1,169.79	2,416.38	2,292.44	123.94	19.497		
10,100.00	6,990.09	7,234.71	6,933.57	95.60	46.48	-89.23	-1,390.87	-1,169.79	2,457.71	2,332.16	125.55	19.576		
10,200.00	6,989.12	7,232.70	6,931.57	98.26	46.48	-89.18	-1,390.85	-1,169.79	2,502.35	2,375.33	127.01	19.702		
10,300.00	6,988.16	7,230.41	6,929.28	100.92	46.47	-89.12	-1,390.83	-1,169.79	2,550.13	2,421.80	128.33	19.871		
10,400.00	6,987.19	7,227.75	6,926.62	103.60	46.46	-89.05	-1,390.80	-1,169.79	2,600.88	2,471.37	129.51	20.082		
10,500.00	6,986.23	7,224.64	6,923.50	106.28	46.46	-88.97	-1,390.77	-1,169.80	2,654.43	2,523.86	130.56	20.330		
10,600.00	6,985.26	7,220.94	6,919.80	108.98	46.44	-88.88	-1,390.73	-1,169.81	2,710.61	2,579.12	131.49	20.615		
10,700.00	6,984.30	7,216.47	6,915.34	111.68	46.43	-88.76	-1,390.68	-1,169.83	2,769.26	2,636.95	132.30	20.932		
10,800.00	6,983.33	7,210.97	6,909.84	114.38	46.41	-88.62	-1,390.62	-1,169.85	2,830.22	2,697.22	133.00	21.279		
10,900.00	6,982.37	7,206.81	6,905.68	117.09	46.40	-88.51	-1,390.57	-1,169.88	2,893.36	2,759.74	133.61	21.655		
11,000.00	6,981.40	7,204.60	6,903.47	119.81	46.40	-88.46	-1,390.54	-1,169.90	2,958.52	2,824.38	134.14	22.055		
11,100.00	6,980.44	7,202.37	6,901.24	122.54	46.39	-88.40	-1,390.51	-1,169.91	3,025.59	2,891.00	134.59	22.480		
11,200.00	6,979.47	7,200.11	6,898.98	125.26	46.38	-88.34	-1,390.49	-1,169.93	3,094.44	2,959.47	134.97	22.927		
11,300.00	6,978.51	7,197.83	6,896.70	128.00	46.37	-88.28	-1,390.46	-1,169.95	3,164.95	3,029.67	135.28	23.395		
11,400.00	6,977.54	7,195.53	6,894.40	130.73	46.37	-88.22	-1,390.43	-1,169.96	3,237.01	3,101.47	135.53	23.883		
11,500.00	6,976.58	7,193.20	6,892.07	133.48	46.36	-88.16	-1,390.39	-1,169.98	3,310.52	3,174.78	135.74	24.389		
11,600.00	6,975.62	7,190.84	6,889.71	136.22	46.35	-88.10	-1,390.36	-1,170.00	3,385.39	3,249.49	135.89	24.913		
11,700.00	6,974.65	7,188.47	6,887.34	138.97	46.35	-88.04	-1,390.33	-1,170.02	3,461.52	3,325.52	136.00	25.451		
11,800.00	6,973.69	7,186.06	6,884.93	141.73	46.34	-87.98	-1,390.30	-1,170.04	3,538.85	3,402.76	136.08	26.005		
11,900.00	6,972.72	7,183.63	6,882.50	144.48	46.33	-87.91	-1,390.26	-1,170.05	3,617.28	3,481.15	136.13	26.573		
12,000.00	6,971.76	7,181.17	6,880.04	147.24	46.32	-87.85	-1,390.23	-1,170.07	3,696.75	3,560.61	136.14	27.153		
12,100.00	6,970.79	7,178.69	6,877.56	150.00	46.32	-87.79	-1,390.19	-1,170.09	3,777.20	3,641.07	136.14	27.746		
12,200.00	6,969.83	7,176.17	6,875.05	152.77	46.31	-87.72	-1,390.15	-1,170.11	3,858.56	3,722.46	136.11	28.350		
12,300.00	6,968.86	7,173.63	6,872.51	155.54	46.30	-87.66	-1,390.11	-1,170.14	3,940.78	3,804.73	136.06	28.965		
12,400.00	6,967.90	7,171.06	6,869.94	158.31	46.29	-87.59	-1,390.08	-1,170.16	4,023.80	3,887.82	135.99	29.589		
12,500.00	6,966.93	7,168.47	6,867.34	161.08	46.28	-87.52	-1,390.04	-1,170.18	4,107.58	3,971.67	135.91	30.223		
12,600.00	6,965.97	7,165.84	6,864.71	163.85	46.28	-87.46	-1,389.99	-1,170.20	4,192.07	4,056.26	135.82	30.866		
12,700.00	6,965.00	7,163.18	6,862.06	166.63	46.27	-87.39	-1,389.95	-1,170.23	4,277.23	4,141.52	135.71	31.517		
12,800.00	6,964.04	7,160.49	6,859.37	169.41	46.26	-87.32	-1,389.91	-1,170.25	4,363.01	4,227.41	135.60	32.176		
12,900.00	6,963.07	7,157.78	6,856.65	172.19	46.25	-87.25	-1,389.86	-1,170.27	4,449.39	4,313.91	135.48	32.842		
13,000.00	6,962.11	7,155.03	6,853.90	174.97	46.24	-87.18	-1,389.82	-1,170.30	4,536.33	4,400.98	135.35	33.515		
13,100.00	6,961.14	7,152.24	6,851.12	177.76	46.23	-87.10	-1,389.77	-1,170.32	4,623.79	4,488.57	135.22	34.195		
13,200.00	6,960.18	7,149.43	6,848.30	180.54	46.23	-87.03	-1,389.72	-1,170.35	4,711.75	4,576.67	135.08	34.881		
13,300.00	6,959.21	7,146.58	6,845.46	183.33	46.22	-86.96	-1,389.67	-1,170.38	4,800.18	4,665.24	134.94	35.572		
13,400.00	6,958.25	7,143.70	6,842.58	186.12	46.21	-86.88	-1,389.62	-1,170.40	4,889.06	4,754.26	134.80	36.270		
13,500.00	6,957.28	7,140.78	6,839.66	188.91	46.20	-86.81	-1,389.57	-1,170.43	4,978.36	4,843.70	134.65	36.972		
13,600.00	6,956.32	7,137.83	6,836.71	191.70	46.19	-86.73	-1,389.51	-1,170.46	5,068.05	4,933.55	134.50	37.679		
13,700.00	6,955.35	7,134.84	6,833.72	194.49	46.18	-86.66	-1,389.46	-1,170.49	5,158.13	5,023.77	134.36	38.391		
13,800.00	6,954.39	7,131.82	6,830.70	197.29	46.17	-86.58	-1,389.40	-1,170.52	5,248.56	5,114.35	134.21	39.108		
13,900.00	6,953.43	7,128.76	6,827.64	200.08	46.16	-86.50	-1,389.34	-1,170.55	5,339.33	5,205.27	134.06	39.828		
14,000.00	6,952.46	7,125.66	6,824.55	202.88	46.15	-86.42	-1,389.28	-1,170.59	5,430.43	5,296.52	133.91	40.552		
14,100.00	6,951.50	7,122.53	6,821.41	205.68	46.14	-86.34	-1,389.22	-1,170.62	5,521.83	5,388.07	133.76	41.281		
14,200.00	6,950.53	7,119.35	6,818.24	208.48	46.13	-86.26	-1,389.16	-1,170.65	5,613.52	5,479.91	133.62	42.012		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	7,119.00	6,817.88	211.28	46.13	-86.25	-1,389.15	-1,170.66	5,705.50	5,572.02	133.48	42.745		
14,400.00	6,948.60	7,119.00	6,817.88	214.08	46.13	-86.25	-1,389.15	-1,170.66	5,797.74	5,664.39	133.34	43.480		
14,500.00	6,947.64	7,119.00	6,817.88	216.88	46.13	-86.25	-1,389.15	-1,170.66	5,890.23	5,757.02	133.21	44.217		
14,600.00	6,946.67	7,119.00	6,817.88	219.68	46.13	-86.25	-1,389.15	-1,170.66	5,982.96	5,849.88	133.08	44.958		
14,700.00	6,945.71	7,119.00	6,817.88	222.49	46.13	-86.25	-1,389.15	-1,170.66	6,075.93	5,942.98	132.95	45.701		
14,800.00	6,944.74	7,119.00	6,817.88	225.29	46.13	-86.25	-1,389.15	-1,170.66	6,169.11	6,036.29	132.82	46.446		
14,900.00	6,943.78	7,119.00	6,817.88	228.10	46.13	-86.25	-1,389.15	-1,170.66	6,262.51	6,129.81	132.70	47.194		
15,000.00	6,942.81	7,119.00	6,817.88	230.90	46.13	-86.25	-1,389.15	-1,170.66	6,356.10	6,223.53	132.57	47.944		
15,100.00	6,941.85	7,119.00	6,817.88	233.71	46.13	-86.25	-1,389.15	-1,170.66	6,449.89	6,317.44	132.45	48.696		
15,200.00	6,940.88	7,119.00	6,817.88	236.52	46.13	-86.25	-1,389.15	-1,170.66	6,543.86	6,411.53	132.33	49.450		
15,300.00	6,939.92	7,119.00	6,817.88	239.32	46.13	-86.25	-1,389.15	-1,170.66	6,638.01	6,505.79	132.22	50.206		
15,400.00	6,938.95	7,119.00	6,817.88	242.13	46.13	-86.25	-1,389.15	-1,170.66	6,732.33	6,600.22	132.10	50.963		
15,500.00	6,937.99	7,119.00	6,817.88	244.94	46.13	-86.25	-1,389.15	-1,170.66	6,826.80	6,694.82	131.99	51.723		
15,600.00	6,937.02	7,119.00	6,817.88	247.75	46.13	-86.25	-1,389.15	-1,170.66	6,921.44	6,789.56	131.88	52.483		
15,706.13	6,936.00	7,119.00	6,817.88	250.74	46.13	-86.25	-1,389.15	-1,170.66	7,022.03	6,890.27	131.77	53.292		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-73.28	288.91	-962.05	1,005.21					
100.00	100.00	59.89	59.89	3.28	3.29	-73.28	288.92	-962.09	1,004.54	997.97	6.57	152.837		
200.00	200.00	155.29	155.29	3.34	3.34	-73.29	288.98	-962.51	1,004.98	998.30	6.68	150.433		
300.00	300.00	257.95	257.94	3.44	3.46	-73.24	290.04	-962.79	1,005.53	998.63	6.90	145.710		
400.00	399.98	350.63	350.56	3.60	3.60	-120.11	293.20	-962.63	1,007.23	1,000.02	7.20	139.799		
500.00	499.84	447.66	447.37	3.81	3.80	-119.93	299.69	-961.93	1,011.11	1,003.51	7.60	132.979		
600.00	599.45	540.76	539.94	4.05	4.03	-119.67	309.48	-960.64	1,017.22	1,009.15	8.08	125.937		
700.00	698.70	631.97	630.20	4.33	4.30	-119.34	322.46	-959.00	1,025.77	1,017.15	8.62	118.947		
800.00	797.47	720.36	717.27	4.64	4.61	-118.98	337.63	-957.56	1,037.06	1,027.83	9.23	112.307		
902.00	897.58	817.22	812.40	4.98	4.98	-118.65	355.76	-956.18	1,050.99	1,041.05	9.95	105.658		
1,000.00	993.42	918.73	911.83	5.33	5.42	-118.57	376.14	-954.32	1,065.25	1,054.53	10.73	99.323		
1,100.00	1,091.22	1,017.16	1,007.76	5.71	5.89	-118.37	397.97	-951.53	1,079.50	1,067.94	11.56	93.380		
1,200.00	1,189.02	1,111.09	1,098.66	6.11	6.38	-118.05	421.36	-948.31	1,094.05	1,081.61	12.43	87.998		
1,300.00	1,286.82	1,196.29	1,180.45	6.53	6.87	-117.63	445.03	-945.15	1,109.33	1,096.02	13.31	83.346		
1,400.00	1,384.62	1,282.25	1,262.06	6.95	7.40	-117.07	471.88	-942.33	1,126.18	1,111.95	14.24	79.091		
1,500.00	1,482.42	1,374.21	1,348.66	7.38	8.02	-116.38	502.62	-938.99	1,143.64	1,128.39	15.25	74.984		
1,600.00	1,580.22	1,464.06	1,433.10	7.83	8.64	-115.71	533.20	-936.24	1,162.00	1,145.72	16.28	71.396		
1,700.00	1,678.03	1,560.42	1,523.94	8.27	9.32	-115.06	565.25	-933.95	1,180.87	1,163.51	17.36	68.025		
1,800.00	1,775.83	1,657.40	1,615.72	8.72	10.01	-114.48	596.55	-931.98	1,199.84	1,181.39	18.45	65.022		
1,900.00	1,873.63	1,753.83	1,707.31	9.18	10.69	-113.98	626.69	-930.57	1,219.03	1,199.49	19.54	62.387		
2,000.00	1,971.43	1,838.47	1,788.01	9.64	11.28	-113.60	652.19	-930.12	1,238.73	1,218.20	20.53	60.342		
2,100.00	2,069.23	1,940.33	1,885.00	10.11	12.00	-113.16	683.29	-930.24	1,259.23	1,237.57	21.66	58.130		
2,200.00	2,167.03	2,046.66	2,003.87	10.57	12.86	-112.68	719.72	-929.06	1,278.34	1,255.36	22.97	55.642		
2,300.00	2,264.83	2,176.23	2,111.03	11.04	13.62	-112.32	750.67	-926.71	1,295.79	1,271.61	24.18	53.596		
2,400.00	2,362.63	2,286.22	2,216.64	11.52	14.37	-111.95	781.22	-923.53	1,312.62	1,287.26	25.37	51.743		
2,500.00	2,460.43	2,402.56	2,329.07	11.99	15.14	-111.68	810.88	-919.80	1,328.25	1,301.66	26.59	49.952		
2,600.00	2,558.23	2,477.26	2,401.15	12.47	15.64	-111.50	830.35	-917.46	1,344.18	1,316.67	27.51	48.868		
2,700.00	2,656.03	2,580.53	2,500.36	12.94	16.35	-111.18	858.87	-914.32	1,360.91	1,332.25	28.66	47.488		
2,800.00	2,753.83	2,657.81	2,573.92	13.42	16.92	-110.85	882.35	-911.39	1,378.19	1,348.56	29.63	46.514		
2,900.00	2,851.63	2,735.75	2,647.41	13.90	17.52	-110.45	908.15	-908.58	1,396.92	1,366.30	30.62	45.619		
3,000.00	2,949.43	2,833.60	2,739.64	14.38	18.27	-109.96	940.70	-905.87	1,416.57	1,384.77	31.79	44.557		
3,100.00	3,047.23	2,927.41	2,828.81	14.87	18.97	-109.61	969.82	-904.33	1,436.26	1,403.36	32.90	43.654		
3,200.00	3,145.03	3,027.29	2,923.94	15.35	19.70	-109.27	1,000.21	-903.11	1,456.10	1,422.04	34.06	42.757		
3,300.00	3,242.83	3,131.69	3,023.84	15.83	20.45	-108.99	1,030.50	-902.15	1,475.58	1,440.34	35.24	41.876		
3,400.00	3,340.63	3,236.15	3,124.04	16.32	21.19	-108.74	1,060.04	-901.35	1,494.90	1,458.49	36.41	41.056		
3,500.00	3,438.43	3,344.19	3,227.69	16.80	21.95	-108.48	1,090.47	-899.57	1,513.39	1,475.77	37.62	40.233		
3,600.00	3,536.23	3,436.43	3,316.39	17.29	22.59	-108.30	1,115.73	-898.34	1,531.83	1,493.16	38.68	39.607		
3,700.00	3,634.03	3,555.53	3,431.58	17.78	23.39	-108.17	1,145.94	-897.83	1,550.14	1,510.20	39.94	38.812		
3,800.00	3,731.83	3,667.07	3,540.05	18.26	24.09	-108.12	1,171.90	-896.83	1,567.01	1,525.90	41.11	38.115		
3,900.00	3,829.63	3,761.08	3,631.21	18.75	24.70	-108.03	1,194.80	-895.19	1,583.68	1,541.52	42.16	37.562		
4,000.00	3,927.43	3,847.09	3,714.42	19.24	25.27	-107.93	1,216.55	-893.77	1,600.87	1,557.72	43.15	37.102		
4,100.00	4,025.23	3,934.66	3,799.53	19.73	25.83	-107.90	1,237.13	-894.15	1,619.00	1,574.88	44.13	36.690		
4,200.00	4,123.03	4,134.12	3,995.23	20.22	26.95	-108.13	1,275.29	-894.83	1,635.76	1,589.91	45.86	35.672		
4,300.00	4,220.83	4,314.50	4,174.82	20.71	27.71	-108.83	1,291.35	-891.49	1,644.71	1,597.56	47.15	34.879		
4,400.00	4,318.63	4,406.21	4,266.43	21.20	28.03	-109.32	1,295.28	-889.79	1,652.04	1,604.03	48.01	34.413		
4,500.00	4,416.43	4,506.18	4,366.37	21.69	28.35	-109.93	1,297.51	-889.91	1,660.31	1,611.45	48.86	33.984		
4,600.00	4,514.23	4,602.65	4,462.83	22.18	28.63	-110.58	1,297.76	-890.43	1,668.29	1,618.63	49.67	33.588		
4,700.00	4,612.03	4,697.92	4,558.09	22.67	28.89	-111.27	1,296.83	-891.84	1,676.81	1,626.36	50.46	33.233		
4,800.00	4,709.83	4,798.55	4,658.68	23.16	29.16	-112.03	1,294.65	-893.88	1,685.61	1,634.36	51.25	32.887		
4,900.00	4,807.63	4,905.85	4,765.95	23.65	29.44	-112.82	1,292.68	-895.35	1,694.23	1,642.16	52.07	32.539		
5,000.00	4,905.43	4,995.51	4,855.59	24.14	29.69	-113.45	1,291.44	-896.43	1,703.13	1,650.29	52.84	32.232		
5,100.00	5,003.23	5,090.06	4,950.13	24.63	29.96	-114.11	1,290.46	-897.67	1,712.52	1,658.89	53.63	31.934		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,183.53	5,043.58	25.12	30.24	-114.73	1,289.86	-898.88	1,722.29	1,667.87	54.41	31.653		
5,300.00	5,198.83	5,272.73	5,132.78	25.62	30.51	-115.32	1,289.76	-900.24	1,732.67	1,677.48	55.19	31.397		
5,400.00	5,296.63	5,364.97	5,225.00	26.11	30.80	-115.90	1,290.07	-901.88	1,743.66	1,687.68	55.97	31.151		
5,500.00	5,394.43	5,461.57	5,321.59	26.60	31.10	-116.50	1,290.61	-903.77	1,755.08	1,698.30	56.78	30.909		
5,600.00	5,492.23	5,563.85	5,423.85	27.09	31.43	-117.13	1,291.15	-905.59	1,766.53	1,708.92	57.62	30.660		
5,700.00	5,590.03	5,651.35	5,511.33	27.58	31.71	-117.67	1,291.44	-907.38	1,778.36	1,719.98	58.38	30.461		
5,800.00	5,687.83	5,745.53	5,605.48	28.08	32.02	-118.24	1,291.68	-909.74	1,790.79	1,731.61	59.18	30.261		
5,900.00	5,785.63	5,842.62	5,702.53	28.57	32.34	-118.81	1,292.52	-911.96	1,803.40	1,743.41	59.99	30.062		
6,000.00	5,883.43	5,931.80	5,791.69	29.06	32.64	-119.32	1,293.60	-914.17	1,816.46	1,755.70	60.77	29.892		
6,100.00	5,981.23	6,052.57	5,912.41	29.56	33.06	-119.99	1,295.08	-916.94	1,829.57	1,767.87	61.70	29.651		
6,200.00	6,079.04	6,156.79	6,016.62	30.05	33.42	-120.57	1,296.04	-918.03	1,841.53	1,778.97	62.56	29.436		
6,300.00	6,176.84	6,246.70	6,106.52	30.54	33.73	-121.05	1,296.99	-919.19	1,853.93	1,790.58	63.35	29.266		
6,409.71	6,284.13	6,342.33	6,202.12	31.08	34.07	-121.55	1,298.43	-920.83	1,868.28	1,804.08	64.20	29.102		
6,450.00	6,323.71	6,379.61	6,239.39	31.28	34.20	-107.69	1,299.13	-921.59	1,872.54	1,808.02	64.52	29.025		
6,500.00	6,373.15	6,428.24	6,287.99	31.50	34.38	-80.43	1,300.09	-922.60	1,874.51	1,809.59	64.91	28.878		
6,550.00	6,422.65	6,477.01	6,336.75	31.70	34.55	-49.47	1,301.07	-923.62	1,872.76	1,807.47	65.29	28.685		
6,600.00	6,471.92	6,539.67	6,399.38	31.89	34.78	-28.06	1,302.19	-924.81	1,867.16	1,801.44	65.72	28.411		
6,650.00	6,520.65	6,605.54	6,465.25	32.07	35.01	-15.68	1,302.83	-925.60	1,857.41	1,791.27	66.15	28.080		
6,700.00	6,568.54	6,668.38	6,528.09	32.25	35.23	-8.14	1,303.04	-925.89	1,843.60	1,777.07	66.54	27.709		
6,750.00	6,615.30	6,728.80	6,588.51	32.43	35.43	-3.05	1,303.15	-925.71	1,825.88	1,758.98	66.90	27.295		
6,800.00	6,660.63	6,779.55	6,639.25	32.61	35.61	0.77	1,303.22	-925.24	1,804.42	1,737.22	67.20	26.852		
6,850.00	6,704.26	6,820.60	6,680.30	32.80	35.75	3.89	1,303.28	-924.87	1,779.66	1,712.21	67.45	26.385		
6,900.00	6,745.92	6,859.82	6,719.52	33.00	35.88	6.68	1,303.36	-924.55	1,751.81	1,684.13	67.68	25.882		
6,950.00	6,785.34	6,897.20	6,756.90	33.21	36.01	9.37	1,303.46	-924.30	1,721.03	1,653.13	67.90	25.346		
7,000.00	6,822.30	6,933.93	6,793.63	33.44	36.14	12.15	1,303.56	-924.06	1,687.49	1,619.38	68.11	24.776		
7,050.00	6,856.55	6,967.95	6,827.65	33.69	36.25	15.19	1,303.66	-923.85	1,651.39	1,583.09	68.30	24.179		
7,100.00	6,887.90	6,999.04	6,858.74	33.97	36.36	18.69	1,303.75	-923.65	1,612.95	1,544.48	68.47	23.557		
7,150.00	6,916.14	7,027.01	6,886.71	34.28	36.46	22.85	1,303.82	-923.47	1,572.45	1,503.82	68.63	22.912		
7,200.00	6,941.10	7,049.44	6,909.14	34.62	36.54	27.88	1,303.89	-923.34	1,530.16	1,461.39	68.77	22.252		
7,250.00	6,962.63	7,068.68	6,928.38	35.00	36.60	34.12	1,303.96	-923.25	1,486.38	1,417.48	68.89	21.576		
7,300.00	6,980.59	7,084.79	6,944.49	35.43	36.66	41.93	1,304.03	-923.20	1,441.39	1,372.38	69.01	20.887		
7,350.00	6,994.88	7,097.65	6,957.35	35.89	36.71	51.54	1,304.09	-923.17	1,395.51	1,326.38	69.12	20.189		
7,400.00	7,005.41	7,107.15	6,968.85	36.39	36.74	62.84	1,304.14	-923.16	1,349.03	1,279.79	69.24	19.485		
7,450.00	7,012.10	7,113.21	6,972.91	36.93	36.76	75.14	1,304.17	-923.16	1,302.27	1,232.92	69.35	18.778		
7,500.00	7,014.93	7,115.76	6,975.46	37.50	36.77	87.23	1,304.18	-923.15	1,255.58	1,186.11	69.47	18.073		
7,517.56	7,015.00	7,115.81	6,975.51	37.70	36.77	91.19	1,304.18	-923.15	1,239.26	1,169.74	69.52	17.827		
7,600.00	7,014.21	7,115.02	6,974.72	38.74	36.77	91.09	1,304.18	-923.15	1,163.16	1,093.39	69.77	16.672		
7,700.00	7,013.24	7,114.05	6,973.74	40.15	36.76	90.97	1,304.17	-923.15	1,072.11	1,001.92	70.19	15.275		
7,800.00	7,012.28	7,113.06	6,972.76	41.71	36.76	90.85	1,304.17	-923.16	982.80	912.02	70.78	13.885		
7,900.00	7,011.31	7,112.06	6,971.76	43.40	36.76	90.73	1,304.16	-923.16	895.76	824.14	71.62	12.507		
8,000.00	7,010.35	7,111.05	6,970.75	45.21	36.75	90.60	1,304.16	-923.16	811.70	738.92	72.78	11.153		
8,100.00	7,009.38	7,110.03	6,969.72	47.12	36.75	90.47	1,304.15	-923.16	731.66	657.30	74.37	9.839		
8,200.00	7,008.42	7,108.99	6,968.69	49.12	36.75	90.35	1,304.15	-923.16	657.12	580.63	76.49	8.591		
8,300.00	7,007.45	7,107.94	6,967.64	51.21	36.74	90.22	1,304.14	-923.16	590.15	510.95	79.21	7.451		
8,400.00	7,006.49	7,106.88	6,966.58	53.36	36.74	90.08	1,304.13	-923.16	533.62	451.15	82.47	6.471		
8,500.00	7,005.52	7,105.81	6,965.50	55.57	36.74	89.95	1,304.13	-923.16	491.14	405.16	85.97	5.713		
8,600.00	7,004.56	7,104.72	6,964.41	57.84	36.73	89.81	1,304.12	-923.16	466.56	377.42	89.14	5.234		
8,667.69	7,003.91	7,103.97	6,963.67	59.41	36.73	89.72	1,304.12	-923.17	461.63	370.89	90.74	5.087 CC, ES		
8,700.00	7,003.59	7,103.61	6,963.31	60.16	36.73	89.68	1,304.12	-923.17	462.76	371.47	91.28	5.070 SF		
8,800.00	7,002.63	7,102.49	6,962.19	62.52	36.72	89.54	1,304.11	-923.17	480.21	388.19	92.02	5.219		
8,900.00	7,001.66	7,101.36	6,961.06	64.92	36.72	89.40	1,304.11	-923.17	516.78	425.29	91.49	5.648		
9,000.00	7,000.70	7,100.21	6,959.91	67.35	36.72	89.26	1,304.10	-923.17	568.78	478.63	90.15	6.309		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,100.00	6,999.73	7,099.05	6,958.74	69.81	36.71	89.11	1,304.10	-923.17	632.43	543.95	88.48	7.148		
9,200.00	6,998.77	7,097.87	6,957.56	72.31	36.71	88.96	1,304.09	-923.17	704.57	617.80	86.77	8.120		
9,300.00	6,997.80	7,096.67	6,956.37	74.82	36.70	88.82	1,304.08	-923.18	782.85	697.68	85.18	9.191		
9,400.00	6,996.84	7,095.46	6,955.16	77.36	36.70	88.67	1,304.08	-923.18	865.62	781.86	83.76	10.334		
9,500.00	6,995.88	7,094.23	6,953.93	79.92	36.69	88.51	1,304.07	-923.18	951.71	869.17	82.54	11.530		
9,600.00	6,994.91	7,092.99	6,952.68	82.49	36.69	88.36	1,304.07	-923.18	1,040.28	958.79	81.49	12.766		
9,700.00	6,993.95	7,091.73	6,951.42	85.09	36.69	88.20	1,304.06	-923.19	1,130.76	1,050.18	80.59	14.032		
9,800.00	6,992.98	7,090.45	6,950.14	87.70	36.68	88.04	1,304.06	-923.19	1,222.72	1,142.91	79.81	15.320		
9,900.00	6,992.02	7,089.15	6,948.84	90.32	36.68	87.88	1,304.05	-923.19	1,315.86	1,236.71	79.14	16.626		
10,000.00	6,991.05	7,087.83	6,947.53	92.95	36.67	87.72	1,304.04	-923.20	1,409.93	1,331.36	78.57	17.945		
10,100.00	6,990.09	7,086.49	6,946.19	95.60	36.67	87.55	1,304.04	-923.20	1,504.77	1,426.70	78.07	19.275		
10,200.00	6,989.12	7,085.14	6,944.84	98.26	36.66	87.39	1,304.03	-923.20	1,600.23	1,522.60	77.63	20.613		
10,300.00	6,988.16	7,083.77	6,943.46	100.92	36.66	87.22	1,304.03	-923.21	1,696.22	1,618.97	77.25	21.957		
10,400.00	6,987.19	7,082.37	6,942.07	103.60	36.65	87.04	1,304.02	-923.21	1,792.64	1,715.73	76.92	23.306		
10,500.00	6,986.23	7,080.96	6,940.65	106.28	36.65	86.87	1,304.01	-923.21	1,889.44	1,812.82	76.62	24.659		
10,600.00	6,985.26	7,079.52	6,939.22	108.98	36.64	86.69	1,304.01	-923.22	1,986.55	1,910.19	76.36	26.015		
10,700.00	6,984.30	7,078.06	6,937.76	111.68	36.64	86.51	1,304.00	-923.22	2,083.94	2,007.81	76.13	27.373		
10,800.00	6,983.33	7,076.58	6,936.28	114.38	36.63	86.33	1,304.00	-923.23	2,181.56	2,105.63	75.92	28.733		
10,900.00	6,982.37	7,075.08	6,934.78	117.09	36.63	86.14	1,303.99	-923.23	2,279.38	2,203.64	75.74	30.094		
11,000.00	6,981.40	7,073.56	6,933.25	119.81	36.62	85.95	1,303.98	-923.24	2,377.39	2,301.81	75.58	31.456		
11,100.00	6,980.44	7,072.01	6,931.70	122.54	36.62	85.76	1,303.98	-923.24	2,475.55	2,400.12	75.43	32.818		
11,200.00	6,979.47	7,070.43	6,930.13	125.26	36.61	85.57	1,303.97	-923.25	2,573.86	2,498.55	75.30	34.180		
11,300.00	6,978.51	7,068.84	6,928.53	128.00	36.60	85.37	1,303.96	-923.25	2,672.29	2,597.10	75.19	35.542		
11,400.00	6,977.54	7,067.21	6,926.91	130.73	36.60	85.17	1,303.96	-923.26	2,770.83	2,695.74	75.08	36.903		
11,500.00	6,976.58	7,065.57	6,925.26	133.48	36.59	84.97	1,303.95	-923.27	2,869.47	2,794.48	74.99	38.264		
11,600.00	6,975.62	7,063.89	6,923.59	136.22	36.59	84.76	1,303.95	-923.27	2,968.20	2,893.29	74.91	39.623		
11,700.00	6,974.65	7,062.19	6,921.89	138.97	36.58	84.55	1,303.94	-923.28	3,067.01	2,992.18	74.84	40.982		
11,800.00	6,973.69	7,060.46	6,920.16	141.73	36.58	84.34	1,303.93	-923.29	3,165.90	3,091.13	74.77	42.340		
11,900.00	6,972.72	7,058.70	6,918.40	144.48	36.57	84.12	1,303.93	-923.29	3,264.85	3,190.14	74.72	43.696		
12,000.00	6,971.76	7,056.92	6,916.61	147.24	36.56	83.90	1,303.92	-923.30	3,363.87	3,289.20	74.67	45.051		
12,100.00	6,970.79	7,055.10	6,914.80	150.00	36.56	83.68	1,303.91	-923.31	3,462.94	3,388.32	74.62	46.405		
12,200.00	6,969.83	7,053.25	6,912.95	152.77	36.55	83.45	1,303.91	-923.32	3,562.06	3,487.48	74.59	47.757		
12,300.00	6,968.86	7,051.37	6,911.07	155.54	36.54	83.22	1,303.90	-923.33	3,661.23	3,586.68	74.56	49.107		
12,400.00	6,967.90	7,049.46	6,909.16	158.31	36.54	82.99	1,303.89	-923.34	3,760.44	3,685.91	74.53	50.455		
12,500.00	6,966.93	7,047.52	6,907.21	161.08	36.53	82.75	1,303.89	-923.35	3,859.70	3,785.19	74.51	51.801		
12,600.00	6,965.97	7,045.54	6,905.24	163.85	36.52	82.51	1,303.88	-923.36	3,958.99	3,884.49	74.49	53.146		
12,700.00	6,965.00	7,043.53	6,903.22	166.63	36.52	82.26	1,303.87	-923.37	4,058.31	3,983.83	74.48	54.488		
12,800.00	6,964.04	7,041.48	6,901.18	169.41	36.51	82.01	1,303.87	-923.38	4,157.66	4,083.19	74.47	55.829		
12,900.00	6,963.07	7,039.39	6,899.09	172.19	36.50	81.76	1,303.86	-923.39	4,257.05	4,182.58	74.47	57.167		
13,000.00	6,962.11	7,037.27	6,896.97	174.97	36.49	81.50	1,303.85	-923.40	4,356.46	4,282.00	74.47	58.503		
13,100.00	6,961.14	7,035.11	6,894.81	177.76	36.49	81.24	1,303.85	-923.42	4,455.90	4,381.43	74.47	59.837		
13,200.00	6,960.18	7,032.91	6,892.61	180.54	36.48	80.97	1,303.84	-923.43	4,555.36	4,480.89	74.47	61.168		
13,300.00	6,959.21	7,030.67	6,890.36	183.33	36.47	80.70	1,303.83	-923.44	4,654.84	4,580.36	74.48	62.497		
13,400.00	6,958.25	7,028.57	6,888.26	186.12	36.46	80.45	1,303.83	-923.46	4,754.35	4,679.86	74.49	63.824		
13,500.00	6,957.28	7,026.95	6,886.65	188.91	36.46	80.25	1,303.82	-923.47	4,853.87	4,779.37	74.51	65.147		
13,600.00	6,956.32	7,025.33	6,885.03	191.70	36.45	80.06	1,303.82	-923.48	4,953.42	4,878.89	74.52	66.469		
13,700.00	6,955.35	7,023.72	6,883.41	194.49	36.45	79.86	1,303.82	-923.49	5,052.98	4,978.44	74.54	67.787		
13,800.00	6,954.39	7,022.10	6,881.80	197.29	36.44	79.67	1,303.81	-923.50	5,152.55	5,077.99	74.56	69.103		
13,900.00	6,953.43	7,020.48	6,880.18	200.08	36.43	79.47	1,303.81	-923.51	5,252.15	5,177.56	74.59	70.416		
14,000.00	6,952.46	7,018.86	6,878.56	202.88	36.43	79.28	1,303.80	-923.52	5,351.75	5,277.14	74.61	71.727		
14,100.00	6,951.50	7,017.25	6,876.94	205.68	36.42	79.09	1,303.80	-923.53	5,451.38	5,376.73	74.64	73.034		
14,200.00	6,950.53	7,015.63	6,875.33	208.48	36.42	78.89	1,303.79	-923.54	5,551.01	5,476.34	74.67	74.339		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,300.00	6,949.57	7,014.01	6,873.71	211.28	36.41	78.70	1,303.79	-923.55	5,650.66	5,575.95	74.70	75.641	
14,400.00	6,948.60	7,012.40	6,872.09	214.08	36.41	78.51	1,303.78	-923.56	5,750.31	5,675.58	74.74	76.940	
14,500.00	6,947.64	7,010.78	6,870.48	216.88	36.40	78.31	1,303.78	-923.57	5,849.98	5,775.21	74.77	78.236	
14,600.00	6,946.67	7,009.16	6,868.86	219.68	36.40	78.12	1,303.77	-923.58	5,949.67	5,874.85	74.81	79.529	
14,700.00	6,945.71	7,007.54	6,867.24	222.49	36.39	77.93	1,303.77	-923.59	6,049.36	5,974.51	74.85	80.819	
14,800.00	6,944.74	7,005.93	6,865.62	225.29	36.38	77.74	1,303.77	-923.60	6,149.06	6,074.16	74.89	82.106	
14,900.00	6,943.78	7,004.31	6,864.01	228.10	36.38	77.54	1,303.76	-923.61	6,248.77	6,173.83	74.93	83.389	
15,000.00	6,942.81	7,002.69	6,862.39	230.90	36.37	77.35	1,303.76	-923.62	6,348.48	6,273.50	74.98	84.670	
15,100.00	6,941.85	7,001.07	6,860.77	233.71	36.37	77.16	1,303.75	-923.63	6,448.21	6,373.19	75.02	85.948	
15,200.00	6,940.88	6,999.46	6,859.15	236.52	36.36	76.97	1,303.75	-923.64	6,547.94	6,472.87	75.07	87.222	
15,300.00	6,939.92	6,997.84	6,857.54	239.32	36.36	76.78	1,303.74	-923.65	6,647.69	6,572.57	75.12	88.493	
15,400.00	6,938.95	6,996.22	6,855.92	242.13	36.35	76.59	1,303.74	-923.66	6,747.44	6,672.26	75.17	89.761	
15,500.00	6,937.99	6,994.60	6,854.30	244.94	36.34	76.40	1,303.73	-923.67	6,847.19	6,771.97	75.22	91.025	
15,600.00	6,937.02	6,992.98	6,852.68	247.75	36.34	76.21	1,303.73	-923.69	6,946.95	6,871.68	75.28	92.286	
15,706.13	6,936.00	6,991.27	6,850.97	250.74	36.33	76.01	1,303.72	-923.70	7,052.84	6,977.50	75.33	93.621	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-74.84	258.31	-953.14	988.26					
100.00	100.00	57.70	57.70	3.28	3.29	-74.83	258.36	-953.22	987.62	981.05	6.57	150.274		
200.00	200.00	148.35	148.35	3.34	3.34	-74.82	258.82	-953.95	988.53	981.86	6.68	148.065		
300.00	300.00	268.29	268.27	3.44	3.47	-74.72	260.71	-954.25	989.24	982.32	6.92	143.029		
400.00	399.98	434.17	433.71	3.60	3.77	-121.36	268.18	-945.72	986.52	979.11	7.41	133.128		
500.00	499.84	549.58	548.41	3.81	4.06	-121.24	274.27	-934.44	981.26	973.36	7.90	124.213		
600.00	599.45	660.80	658.65	4.05	4.40	-121.23	280.81	-921.30	975.95	967.49	8.46	115.321		
700.00	698.70	762.14	758.81	4.33	4.76	-121.22	289.33	-908.48	972.37	963.30	9.07	107.250		
800.00	797.47	866.53	861.39	4.64	5.18	-121.14	301.77	-893.74	970.10	960.35	9.76	99.408		
902.00	897.58	1,006.64	998.12	4.98	5.83	-121.04	321.48	-870.48	967.91	957.19	10.71	90.347		
1,000.00	993.42	1,131.63	1,118.50	5.33	6.52	-120.75	341.90	-843.75	962.53	950.85	11.67	82.444		
1,100.00	1,091.22	1,261.39	1,242.95	5.71	7.30	-120.46	361.83	-812.92	954.56	941.84	12.72	75.018		
1,200.00	1,189.02	1,360.50	1,337.66	6.11	7.93	-120.23	376.64	-787.74	944.89	931.24	13.65	69.214		
1,300.00	1,286.82	1,451.47	1,424.54	6.53	8.54	-119.97	391.09	-764.97	935.86	921.29	14.57	64.221		
1,400.00	1,384.62	1,547.59	1,516.27	6.95	9.19	-119.63	407.44	-741.36	927.63	912.07	15.56	59.612		
1,500.00	1,482.42	1,654.55	1,617.83	7.38	9.96	-119.14	427.24	-714.28	919.13	902.48	16.65	55.195		
1,600.00	1,580.22	1,757.83	1,715.90	7.83	10.71	-118.69	445.48	-687.54	909.88	892.14	17.74	51.281		
1,700.00	1,678.03	1,875.64	1,827.59	8.27	11.58	-118.18	465.77	-656.04	899.77	880.84	18.93	47.526		
1,800.00	1,775.83	1,955.54	1,903.43	8.72	12.18	-117.84	479.25	-634.82	889.71	869.78	19.93	44.645		
1,900.00	1,873.63	2,044.35	1,988.02	9.18	12.84	-117.47	494.56	-612.50	881.22	860.24	20.98	42.001		
2,000.00	1,971.43	2,149.22	2,087.78	9.64	13.62	-116.98	513.31	-586.16	872.99	850.84	22.14	39.423		
2,100.00	2,069.23	2,244.69	2,178.76	10.11	14.33	-116.57	529.91	-562.44	864.92	841.66	23.26	37.185		
2,200.00	2,167.03	2,350.32	2,279.40	10.57	15.12	-116.11	548.06	-535.99	856.64	832.21	24.43	35.059		
2,300.00	2,264.83	2,442.71	2,367.81	11.04	15.80	-115.83	562.14	-513.19	848.11	822.59	25.53	33.225		
2,400.00	2,362.63	2,536.86	2,458.03	11.52	16.48	-115.49	577.60	-491.18	841.20	814.57	26.63	31.583		
2,500.00	2,460.43	2,662.96	2,578.35	11.99	17.43	-114.98	598.27	-459.63	832.84	804.91	27.93	29.822		
2,600.00	2,558.23	2,758.77	2,669.29	12.47	18.17	-114.52	614.12	-433.95	822.85	793.76	29.10	28.280		
2,700.00	2,656.03	2,840.31	2,746.99	12.94	18.79	-114.16	627.67	-413.30	814.31	784.12	30.19	26.973		
2,800.00	2,753.83	2,947.38	2,849.61	13.42	19.57	-113.82	643.65	-387.26	806.11	774.74	31.37	25.694		
2,900.00	2,851.63	3,033.75	2,932.73	13.90	20.19	-113.63	655.70	-367.13	798.53	766.09	32.44	24.616		
3,000.00	2,949.43	3,117.03	3,013.44	14.38	20.74	-113.55	666.57	-349.69	792.80	759.35	33.45	23.701		
3,100.00	3,047.23	3,197.00	3,091.56	14.87	21.24	-113.62	676.07	-335.50	789.55	755.17	34.39	22.960		
3,195.27	3,140.41	3,275.59	3,168.78	15.33	21.68	-113.80	684.74	-323.81	788.67	753.43	35.24	22.381		
3,200.00	3,145.03	3,279.60	3,172.73	15.35	21.70	-113.81	685.17	-323.26	788.67	753.39	35.28	22.354		
3,300.00	3,242.83	3,359.81	3,251.92	15.83	22.12	-114.10	693.38	-313.51	790.00	753.90	36.11	21.880		
3,400.00	3,340.63	3,448.55	3,339.89	16.32	22.54	-114.55	701.50	-305.11	793.43	756.50	36.93	21.483		
3,500.00	3,438.43	3,537.27	3,428.10	16.80	22.93	-115.14	708.13	-298.50	798.19	760.48	37.71	21.168		
3,600.00	3,536.23	3,628.23	3,518.82	17.29	23.28	-115.94	712.79	-293.78	804.31	765.87	38.43	20.927		
3,700.00	3,634.03	3,720.91	3,611.42	17.78	23.61	-116.94	715.17	-290.70	811.51	772.40	39.11	20.749		
3,800.00	3,731.83	3,823.54	3,714.00	18.26	23.94	-118.16	716.10	-288.10	819.19	779.37	39.82	20.572		
3,900.00	3,829.63	3,899.85	3,790.31	18.75	24.18	-119.08	716.62	-287.02	828.21	787.88	40.33	20.534		
4,000.00	3,927.43	3,997.25	3,887.71	19.24	24.47	-120.27	717.15	-287.26	839.10	798.11	40.98	20.474		
4,100.00	4,025.23	4,092.97	3,983.42	19.73	24.76	-121.39	717.90	-287.37	850.29	808.65	41.63	20.424		
4,200.00	4,123.03	4,189.93	4,080.37	20.22	25.07	-122.45	719.40	-287.48	862.00	819.69	42.31	20.373		
4,300.00	4,220.83	4,286.65	4,177.07	20.71	25.38	-123.47	721.15	-287.62	874.09	831.09	43.00	20.327		
4,400.00	4,318.63	4,381.02	4,271.42	21.20	25.68	-124.42	723.22	-288.03	886.82	843.14	43.68	20.303		
4,500.00	4,416.43	4,477.86	4,368.23	21.69	26.00	-125.36	725.36	-288.65	900.00	855.61	44.38	20.278		
4,600.00	4,514.23	4,573.63	4,463.98	22.18	26.30	-126.29	727.19	-289.53	913.64	868.57	45.08	20.269		
4,700.00	4,612.03	4,669.39	4,559.72	22.67	26.61	-127.20	728.89	-290.63	927.73	881.96	45.77	20.269		
4,800.00	4,709.83	4,766.35	4,656.66	23.16	26.92	-128.11	730.47	-291.98	942.29	895.81	46.48	20.273		
4,900.00	4,807.63	4,874.60	4,764.89	23.65	27.25	-129.16	731.10	-293.22	956.72	909.44	47.28	20.235		
5,000.00	4,905.43	5,000.51	4,890.78	24.14	27.65	-130.47	729.32	-291.94	969.02	920.81	48.20	20.102		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,094.96	4,985.19	24.63	27.96	-131.43	727.65	-289.98	980.61	931.73	48.88	20.061		
5,200.00	5,101.03	5,186.92	5,077.13	25.12	28.26	-132.33	726.54	-288.44	992.94	943.39	49.55	20.039		
5,300.00	5,198.83	5,279.53	5,169.74	25.62	28.56	-133.18	725.84	-287.51	1,006.21	955.98	50.23	20.031		
5,400.00	5,296.63	5,381.98	5,272.18	26.11	28.90	-134.12	724.89	-286.54	1,019.78	968.78	51.01	19.993		
5,500.00	5,394.43	5,480.81	5,371.00	26.60	29.24	-134.96	724.55	-285.02	1,033.03	981.26	51.77	19.956		
5,600.00	5,492.23	5,571.12	5,461.30	27.09	29.56	-135.70	724.56	-284.04	1,046.95	994.49	52.46	19.957		
5,700.00	5,590.03	5,665.52	5,555.70	27.58	29.90	-136.40	725.36	-283.65	1,061.71	1,008.51	53.20	19.955		
5,800.00	5,687.83	5,759.21	5,649.37	28.08	30.23	-137.06	726.73	-283.46	1,076.85	1,022.90	53.95	19.960		
5,900.00	5,785.63	5,854.39	5,744.54	28.57	30.58	-137.68	728.52	-283.69	1,092.56	1,037.84	54.72	19.967		
6,000.00	5,883.43	5,947.01	5,837.14	29.06	30.91	-138.27	730.21	-284.18	1,108.69	1,053.23	55.46	19.991		
6,100.00	5,981.23	6,039.01	5,929.13	29.56	31.23	-138.89	731.07	-285.14	1,125.48	1,069.30	56.18	20.034		
6,200.00	6,079.04	6,139.71	6,029.82	30.05	31.56	-139.63	730.26	-286.28	1,142.60	1,085.63	56.97	20.056		
6,300.00	6,176.84	6,251.15	6,141.25	30.54	31.93	-140.47	728.47	-286.39	1,158.91	1,101.05	57.87	20.027		
6,409.71	6,284.13	6,349.89	6,239.98	31.08	32.26	-141.16	727.57	-286.38	1,176.89	1,118.26	58.63	20.073		
6,450.00	6,323.71	6,384.32	6,274.41	31.28	32.38	-127.21	727.50	-286.63	1,182.54	1,123.65	58.89	20.081		
6,500.00	6,373.15	6,429.31	6,319.39	31.50	32.53	-99.97	727.57	-287.17	1,186.28	1,127.06	59.22	20.031		
6,550.00	6,422.65	6,475.93	6,366.01	31.70	32.70	-69.19	727.70	-287.87	1,186.28	1,126.72	59.55	19.920		
6,600.00	6,471.92	6,524.67	6,414.74	31.89	32.87	-48.10	727.92	-288.69	1,182.48	1,122.59	59.89	19.743		
6,650.00	6,520.65	6,574.29	6,464.35	32.07	33.04	-36.21	728.37	-289.53	1,174.82	1,114.59	60.23	19.506		
6,700.00	6,568.54	6,620.26	6,510.31	32.25	33.20	-29.32	728.99	-290.35	1,163.37	1,102.85	60.51	19.225		
6,750.00	6,615.30	6,664.70	6,554.74	32.43	33.36	-25.11	729.73	-291.27	1,148.29	1,087.52	60.77	18.895		
6,800.00	6,660.63	6,708.60	6,598.62	32.61	33.52	-22.44	730.62	-292.29	1,129.67	1,068.65	61.02	18.513		
6,850.00	6,704.26	6,751.23	6,641.22	32.80	33.67	-20.75	731.66	-293.38	1,107.59	1,046.34	61.25	18.083		
6,900.00	6,745.92	6,793.29	6,683.25	33.00	33.82	-19.74	732.84	-294.51	1,082.17	1,020.70	61.47	17.604		
6,950.00	6,785.34	6,833.64	6,723.57	33.21	33.97	-19.26	734.09	-295.62	1,053.51	991.83	61.68	17.082		
7,000.00	6,822.30	6,874.13	6,764.01	33.44	34.12	-19.28	735.43	-296.71	1,021.77	959.88	61.89	16.510		
7,050.00	6,856.55	6,913.92	6,803.77	33.69	34.26	-19.80	736.71	-297.62	987.03	924.93	62.10	15.894		
7,100.00	6,887.90	6,950.07	6,839.90	33.97	34.40	-20.83	737.83	-298.27	949.53	887.24	62.28	15.245		
7,150.00	6,916.14	6,976.71	6,866.53	34.28	34.50	-22.30	738.69	-298.76	909.65	847.29	62.36	14.587		
7,200.00	6,941.10	7,001.45	6,891.25	34.62	34.59	-24.51	739.54	-299.25	867.69	805.25	62.43	13.898		
7,250.00	6,962.63	7,023.05	6,912.83	35.00	34.67	-27.71	740.32	-299.71	823.90	761.41	62.49	13.185		
7,300.00	6,980.59	7,041.98	6,931.74	35.43	34.74	-32.41	741.03	-300.13	778.54	716.00	62.54	12.449		
7,350.00	6,994.88	7,057.58	6,947.32	35.89	34.80	-39.34	741.64	-300.48	731.90	669.32	62.58	11.695		
7,400.00	7,005.41	7,069.35	6,959.07	36.39	34.84	-49.59	742.12	-300.74	684.26	621.65	62.61	10.928		
7,450.00	7,012.10	7,077.21	6,966.93	36.93	34.87	-64.28	742.44	-300.92	635.96	573.32	62.64	10.153		
7,500.00	7,014.93	7,081.13	6,970.84	37.50	34.89	-82.95	742.60	-301.01	587.30	524.65	62.66	9.373		
7,517.56	7,015.00	7,081.56	6,971.28	37.70	34.89	-89.84	742.62	-301.02	570.20	507.53	62.67	9.099		
7,600.00	7,014.21	7,082.45	6,972.17	38.74	34.89	-90.23	742.66	-301.04	490.24	427.50	62.75	7.813		
7,700.00	7,013.24	7,083.53	6,973.24	40.15	34.90	-90.71	742.71	-301.06	394.63	331.60	63.04	6.261		
7,800.00	7,012.28	7,084.61	6,974.32	41.71	34.90	-91.19	742.75	-301.09	301.88	237.99	63.89	4.725		
7,900.00	7,011.31	7,085.68	6,975.39	43.40	34.91	-91.67	742.80	-301.11	215.70	149.24	66.47	3.245		
8,000.00	7,010.35	7,086.76	6,976.46	45.21	34.91	-92.15	742.84	-301.13	148.05	74.26	73.79	2.006		
8,073.05	7,009.64	7,087.54	6,977.25	46.61	34.91	-92.49	742.87	-301.15	128.78	48.14	80.63	1.597 CC, ES, SF		
8,100.00	7,009.38	7,087.83	6,977.53	47.12	34.91	-92.62	742.89	-301.16	131.57	50.17	81.40	1.616		
8,200.00	7,008.42	7,088.90	6,978.60	49.12	34.92	-93.10	742.93	-301.18	180.82	104.15	76.67	2.358		
8,300.00	7,007.45	7,089.97	6,979.67	51.21	34.92	-93.57	742.98	-301.20	260.93	189.17	71.76	3.636		
8,400.00	7,006.49	7,091.03	6,980.74	53.36	34.93	-94.05	743.02	-301.23	351.38	282.27	69.10	5.085		
8,500.00	7,005.52	7,092.10	6,981.80	55.57	34.93	-94.52	743.07	-301.25	445.92	378.29	67.64	6.593		
8,600.00	7,004.56	7,093.16	6,982.86	57.84	34.93	-94.99	743.12	-301.28	542.43	475.67	66.75	8.126		
8,700.00	7,003.59	7,094.23	6,983.92	60.16	34.94	-95.47	743.16	-301.30	640.00	573.83	66.17	9.671		
8,800.00	7,002.63	7,095.29	6,984.98	62.52	34.94	-95.94	743.21	-301.32	738.22	672.45	65.78	11.223		
8,900.00	7,001.66	7,096.35	6,986.04	64.92	34.95	-96.41	743.25	-301.35	836.87	771.37	65.49	12.778		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	7,097.40	6,987.10	67.35	34.95	-96.87	743.30	-301.37	935.80	870.51	65.28	14.334		
9,100.00	6,999.73	7,098.46	6,988.15	69.81	34.95	-97.34	743.34	-301.39	1,034.93	969.81	65.12	15.892		
9,200.00	6,998.77	7,099.51	6,989.21	72.31	34.96	-97.81	743.39	-301.42	1,134.22	1,069.22	65.00	17.449		
9,300.00	6,997.80	7,100.57	6,990.26	74.82	34.96	-98.27	743.44	-301.44	1,233.62	1,168.71	64.90	19.007		
9,400.00	6,996.84	7,101.62	6,991.31	77.36	34.97	-98.73	743.48	-301.46	1,333.11	1,268.28	64.83	20.563		
9,500.00	6,995.88	7,102.67	6,992.36	79.92	34.97	-99.19	743.53	-301.49	1,432.67	1,367.89	64.77	22.119		
9,600.00	6,994.91	7,103.72	6,993.40	82.49	34.97	-99.65	743.57	-301.51	1,532.28	1,467.56	64.73	23.673		
9,700.00	6,993.95	7,104.76	6,994.45	85.09	34.98	-100.11	743.62	-301.53	1,631.94	1,567.25	64.69	25.226		
9,800.00	6,992.98	7,105.81	6,995.49	87.70	34.98	-100.57	743.67	-301.56	1,731.65	1,666.98	64.67	26.778		
9,900.00	6,992.02	7,106.85	6,996.54	90.32	34.99	-101.02	743.71	-301.58	1,831.38	1,766.73	64.65	28.329		
10,000.00	6,991.05	7,107.89	6,997.58	92.95	34.99	-101.48	743.76	-301.60	1,931.14	1,866.50	64.64	29.877		
10,100.00	6,990.09	7,108.93	6,998.62	95.60	34.99	-101.93	743.80	-301.63	2,030.92	1,966.29	64.63	31.424		
10,200.00	6,989.12	7,109.97	6,999.65	98.26	35.00	-102.38	743.85	-301.65	2,130.72	2,066.10	64.63	32.969		
10,300.00	6,988.16	7,111.01	7,000.69	100.92	35.00	-102.83	743.90	-301.67	2,230.54	2,165.91	64.63	34.512		
10,400.00	6,987.19	7,112.05	7,001.72	103.60	35.01	-103.27	743.94	-301.70	2,330.38	2,265.74	64.64	36.053		
10,500.00	6,986.23	7,113.08	7,002.76	106.28	35.01	-103.71	743.99	-301.72	2,430.23	2,365.58	64.65	37.592		
10,600.00	6,985.26	7,114.11	7,003.79	108.98	35.01	-104.16	744.04	-301.74	2,530.09	2,465.42	64.66	39.128		
10,700.00	6,984.30	7,115.15	7,004.82	111.68	35.02	-104.60	744.08	-301.76	2,629.96	2,565.28	64.68	40.662		
10,800.00	6,983.33	7,116.18	7,005.85	114.38	35.02	-105.03	744.13	-301.79	2,729.83	2,665.14	64.70	42.194		
10,900.00	6,982.37	7,117.20	7,006.88	117.09	35.02	-105.47	744.17	-301.81	2,829.72	2,765.00	64.72	43.723		
11,000.00	6,981.40	7,118.23	7,007.90	119.81	35.03	-105.90	744.22	-301.83	2,929.62	2,864.87	64.74	45.250		
11,100.00	6,980.44	7,119.26	7,008.93	122.54	35.03	-106.33	744.27	-301.86	3,029.52	2,964.75	64.77	46.774		
11,200.00	6,979.47	7,120.28	7,009.95	125.26	35.04	-106.76	744.31	-301.88	3,129.42	3,064.63	64.80	48.296		
11,300.00	6,978.51	7,121.39	7,011.06	128.00	35.04	-107.23	744.36	-301.90	3,229.34	3,164.51	64.83	49.814		
11,400.00	6,977.54	7,122.73	7,012.39	130.73	35.05	-107.78	744.43	-301.93	3,329.25	3,264.39	64.86	51.330		
11,500.00	6,976.58	7,124.08	7,013.75	133.48	35.05	-108.34	744.49	-301.96	3,429.18	3,364.28	64.89	52.843		
11,600.00	6,975.62	7,125.47	7,015.13	136.22	35.06	-108.91	744.55	-301.99	3,529.10	3,464.17	64.93	54.353		
11,700.00	6,974.65	7,126.87	7,016.53	138.97	35.06	-109.49	744.61	-302.03	3,629.03	3,564.06	64.97	55.860		
11,800.00	6,973.69	7,128.30	7,017.96	141.73	35.07	-110.07	744.68	-302.06	3,728.96	3,663.96	65.01	57.364		
11,900.00	6,972.72	7,129.76	7,019.42	144.48	35.07	-110.66	744.74	-302.09	3,828.90	3,763.85	65.05	58.864		
12,000.00	6,971.76	7,131.25	7,020.90	147.24	35.08	-111.25	744.81	-302.13	3,928.84	3,863.75	65.09	60.362		
12,100.00	6,970.79	7,132.76	7,022.41	150.00	35.08	-111.85	744.88	-302.16	4,028.78	3,963.65	65.13	61.856		
12,200.00	6,969.83	7,134.30	7,023.95	152.77	35.09	-112.46	744.95	-302.20	4,128.72	4,063.55	65.18	63.346		
12,300.00	6,968.86	7,135.87	7,025.51	155.54	35.09	-113.08	745.02	-302.23	4,228.67	4,163.45	65.22	64.833		
12,400.00	6,967.90	7,137.47	7,027.11	158.31	35.10	-113.70	745.09	-302.27	4,328.62	4,263.35	65.27	66.317		
12,500.00	6,966.93	7,139.09	7,028.74	161.08	35.11	-114.33	745.17	-302.31	4,428.57	4,363.25	65.32	67.797		
12,600.00	6,965.97	7,140.76	7,030.40	163.85	35.11	-114.96	745.24	-302.35	4,528.52	4,463.15	65.37	69.273		
12,700.00	6,965.00	7,142.45	7,032.09	166.63	35.12	-115.60	745.32	-302.39	4,628.47	4,563.05	65.42	70.746		
12,800.00	6,964.04	7,144.18	7,033.81	169.41	35.13	-116.25	745.40	-302.43	4,728.43	4,662.95	65.48	72.214		
12,900.00	6,963.07	7,145.94	7,035.57	172.19	35.13	-116.91	745.48	-302.47	4,828.39	4,762.85	65.53	73.679		
13,000.00	6,962.11	7,147.73	7,037.37	174.97	35.14	-117.57	745.56	-302.51	4,928.34	4,862.75	65.59	75.141		
13,100.00	6,961.14	7,149.57	7,039.20	177.76	35.15	-118.23	745.64	-302.56	5,028.30	4,962.66	65.65	76.598		
13,200.00	6,960.18	7,151.44	7,041.06	180.54	35.15	-118.91	745.72	-302.60	5,128.26	5,062.56	65.70	78.051		
13,300.00	6,959.21	7,153.35	7,042.97	183.33	35.16	-119.59	745.81	-302.65	5,228.22	5,162.46	65.76	79.500		
13,400.00	6,958.25	7,155.30	7,044.92	186.12	35.17	-120.27	745.90	-302.69	5,328.19	5,262.36	65.82	80.945		
13,500.00	6,957.28	7,157.29	7,046.91	188.91	35.18	-120.96	745.99	-302.74	5,428.15	5,362.26	65.89	82.386		
13,600.00	6,956.32	7,159.32	7,048.94	191.70	35.18	-121.66	746.08	-302.79	5,528.11	5,462.16	65.95	83.822		
13,700.00	6,955.35	7,161.40	7,051.01	194.49	35.19	-122.36	746.17	-302.84	5,628.08	5,562.06	66.01	85.255		
13,800.00	6,954.39	7,163.52	7,053.13	197.29	35.20	-123.07	746.27	-302.90	5,728.04	5,661.96	66.08	86.683		
13,900.00	6,953.43	7,165.69	7,055.30	200.08	35.21	-123.78	746.36	-302.95	5,828.01	5,761.86	66.15	88.106		
14,000.00	6,952.46	7,167.91	7,057.52	202.88	35.22	-124.50	746.46	-303.01	5,927.98	5,861.76	66.22	89.526		
14,100.00	6,951.50	7,170.18	7,059.78	205.68	35.22	-125.22	746.56	-303.07	6,027.94	5,961.66	66.28	90.940		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 16-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200.00	6,950.53	7,172.50	7,062.10	208.48	35.23	-125.95	746.67	-303.13	6,127.91	6,061.56	66.35	92.351	
14,300.00	6,949.57	7,174.88	7,064.48	211.28	35.24	-126.68	746.77	-303.19	6,227.88	6,161.46	66.43	93.756	
14,400.00	6,948.60	7,177.31	7,066.90	214.08	35.25	-127.41	746.88	-303.25	6,327.85	6,261.35	66.50	95.157	
14,500.00	6,947.64	7,179.80	7,069.39	216.88	35.26	-128.15	746.99	-303.31	6,427.82	6,361.25	66.57	96.554	
14,600.00	6,946.67	7,182.35	7,071.93	219.68	35.27	-128.90	747.11	-303.38	6,527.79	6,461.14	66.65	97.945	
14,700.00	6,945.71	7,184.96	7,074.54	222.49	35.28	-129.64	747.22	-303.45	6,627.76	6,561.04	66.72	99.332	
14,800.00	6,944.74	7,187.63	7,077.21	225.29	35.29	-130.40	747.34	-303.52	6,727.73	6,660.93	66.80	100.714	
14,900.00	6,943.78	7,190.37	7,079.95	228.10	35.30	-131.15	747.47	-303.59	6,827.70	6,760.82	66.88	102.091	
15,000.00	6,942.81	7,193.18	7,082.75	230.90	35.31	-131.91	747.59	-303.67	6,927.67	6,860.71	66.96	103.463	
15,100.00	6,941.85	7,196.06	7,085.63	233.71	35.32	-132.67	747.72	-303.75	7,027.64	6,960.61	67.04	104.831	
15,200.00	6,940.88	7,199.02	7,088.58	236.52	35.33	-133.43	747.85	-303.83	7,127.62	7,060.50	67.12	106.193	
15,300.00	6,939.92	7,202.05	7,091.61	239.32	35.34	-134.19	747.98	-303.91	7,227.59	7,160.38	67.20	107.550	
15,400.00	6,938.95	7,205.17	7,094.72	242.13	35.36	-134.96	748.12	-304.00	7,327.56	7,260.27	67.29	108.902	
15,500.00	6,937.99	7,208.37	7,097.92	244.94	35.37	-135.73	748.26	-304.09	7,427.53	7,360.16	67.37	110.249	
15,600.00	6,937.02	7,211.65	7,101.20	247.75	35.38	-136.50	748.41	-304.18	7,527.50	7,460.05	67.46	111.591	
15,706.13	6,936.00	7,215.24	7,104.78	250.74	35.39	-137.31	748.57	-304.28	7,633.60	7,566.05	67.55	113.009	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-74.05	273.61	-957.32	996.45					
100.00	100.00	56.49	56.49	3.28	3.29	-74.04	273.71	-957.36	995.73	989.16	6.57	151.517		
200.00	200.00	148.50	148.50	3.34	3.34	-74.00	274.65	-957.81	996.48	989.81	6.68	149.267		
300.00	300.00	246.38	246.35	3.44	3.44	-73.91	276.58	-958.59	997.79	990.90	6.89	144.828		
400.00	399.98	330.88	330.81	3.60	3.57	-120.82	278.85	-959.78	1,000.79	993.61	7.18	139.331		
500.00	499.84	404.01	403.85	3.81	3.72	-120.77	281.68	-962.11	1,007.63	1,000.09	7.54	133.620		
600.00	599.45	478.25	477.85	4.05	3.89	-120.73	285.90	-966.22	1,018.96	1,011.00	7.97	127.915		
700.00	698.70	552.99	552.18	4.33	4.08	-120.69	291.29	-971.76	1,034.33	1,025.89	8.44	122.479		
800.00	797.47	625.29	623.91	4.64	4.30	-120.69	297.01	-978.86	1,053.94	1,044.98	8.96	117.591		
902.00	897.58	704.91	702.70	4.98	4.56	-120.78	303.51	-988.29	1,077.87	1,068.33	9.54	112.996		
1,000.00	993.42	783.33	780.11	5.33	4.85	-121.33	310.45	-998.76	1,103.40	1,093.27	10.13	108.948		
1,100.00	1,091.22	871.09	866.60	5.71	5.20	-121.90	318.61	-1,011.20	1,130.47	1,119.70	10.77	104.920		
1,200.00	1,189.02	938.20	932.61	6.11	5.49	-122.35	324.45	-1,021.76	1,159.07	1,147.70	11.38	101.888		
1,300.00	1,286.82	997.30	990.49	6.53	5.76	-122.81	328.57	-1,032.99	1,190.49	1,178.54	11.95	99.596		
1,400.00	1,384.62	1,051.77	1,043.45	6.95	6.03	-123.21	332.72	-1,044.97	1,224.99	1,212.48	12.51	97.923		
1,500.00	1,482.42	1,110.99	1,100.59	7.38	6.36	-123.62	338.03	-1,059.61	1,262.37	1,249.29	13.08	96.477		
1,600.00	1,580.22	1,180.86	1,167.53	7.83	6.76	-124.06	344.86	-1,078.40	1,302.02	1,288.30	13.71	94.948		
1,700.00	1,678.03	1,270.82	1,253.67	8.27	7.31	-124.60	353.49	-1,102.86	1,342.08	1,327.62	14.46	92.808		
1,800.00	1,775.83	1,347.14	1,326.49	8.72	7.81	-125.01	361.57	-1,124.25	1,383.15	1,368.00	15.15	91.309		
1,900.00	1,873.63	1,448.45	1,423.11	9.18	8.49	-125.41	374.83	-1,151.65	1,423.75	1,407.74	16.01	88.929		
2,000.00	1,971.43	1,513.00	1,484.41	9.64	8.95	-125.62	384.12	-1,169.62	1,465.38	1,448.73	16.65	88.010		
2,100.00	2,069.23	1,588.81	1,556.05	10.11	9.51	-125.84	395.48	-1,191.67	1,508.29	1,490.92	17.37	86.812		
2,200.00	2,167.03	1,700.41	1,661.41	10.57	10.35	-126.10	413.29	-1,223.85	1,551.18	1,532.81	18.37	84.430		
2,300.00	2,264.83	1,816.43	1,771.31	11.04	11.23	-126.29	433.20	-1,255.24	1,592.58	1,573.15	19.43	81.975		
2,400.00	2,362.63	1,921.21	1,870.84	11.52	12.02	-126.40	452.10	-1,282.02	1,632.68	1,612.27	20.41	79.976		
2,500.00	2,460.43	2,029.66	1,974.07	11.99	12.82	-126.53	471.19	-1,309.16	1,672.27	1,650.83	21.44	78.001		
2,600.00	2,558.23	2,102.23	2,043.25	12.47	13.37	-126.62	483.77	-1,327.14	1,711.61	1,689.42	22.19	77.118		
2,700.00	2,656.03	2,200.84	2,136.95	12.94	14.12	-126.73	500.99	-1,352.60	1,751.94	1,728.78	23.16	75.647		
2,800.00	2,753.83	2,289.03	2,221.07	13.42	14.79	-126.86	515.39	-1,374.80	1,791.48	1,767.44	24.04	74.514		
2,900.00	2,851.63	2,365.10	2,293.54	13.90	15.37	-126.99	527.33	-1,394.60	1,831.72	1,806.89	24.83	73.768		
3,000.00	2,949.43	2,450.60	2,374.68	14.38	16.04	-127.09	541.95	-1,417.28	1,872.64	1,846.94	25.70	72.857		
3,100.00	3,047.23	2,530.58	2,450.48	14.87	16.68	-127.16	556.08	-1,438.50	1,913.69	1,887.15	26.54	72.111		
3,200.00	3,145.03	2,602.04	2,517.73	15.35	17.27	-127.17	570.46	-1,457.92	1,955.66	1,928.35	27.31	71.616		
3,300.00	3,242.83	2,683.14	2,593.55	15.83	17.96	-127.12	588.63	-1,480.24	1,998.32	1,970.15	28.18	70.922		
3,400.00	3,340.63	2,764.24	2,670.36	16.32	18.65	-127.04	607.06	-1,504.56	2,041.54	2,011.37	29.05	70.228		
3,500.00	3,438.43	2,845.34	2,747.16	16.80	19.34	-127.03	625.73	-1,528.88	2,085.11	2,054.94	29.92	69.534		
3,600.00	3,536.23	2,926.44	2,824.06	17.29	20.03	-127.01	644.64	-1,553.20	2,129.18	2,098.99	30.79	68.840		
3,700.00	3,634.03	3,007.54	2,901.06	17.78	20.72	-126.99	663.78	-1,577.52	2,173.25	2,143.04	31.66	68.146		
3,800.00	3,731.83	3,088.64	2,978.06	18.26	21.41	-126.97	683.15	-1,601.84	2,217.32	2,187.11	32.53	67.452		
3,900.00	3,829.63	3,169.74	3,055.06	18.75	22.10	-126.95	702.75	-1,626.16	2,261.39	2,231.18	33.40	66.758		
4,000.00	3,927.43	3,250.84	3,132.06	19.24	22.79	-126.93	722.58	-1,650.48	2,305.46	2,275.25	34.27	66.064		
4,100.00	4,025.23	3,331.94	3,209.16	19.73	23.48	-126.91	742.64	-1,674.80	2,349.53	2,319.32	35.14	65.370		
4,200.00	4,123.03	3,413.04	3,286.26	20.22	24.17	-126.89	762.92	-1,699.12	2,393.60	2,363.39	36.01	64.676		
4,300.00	4,220.83	3,494.14	3,363.36	20.71	24.86	-126.87	783.42	-1,723.44	2,437.67	2,407.46	36.88	63.982		
4,400.00	4,318.63	3,575.24	3,440.46	21.20	25.55	-126.85	804.14	-1,747.76	2,481.74	2,451.53	37.75	63.288		
4,500.00	4,416.43	3,656.34	3,517.56	21.69	26.24	-126.83	825.08	-1,772.08	2,525.81	2,495.60	38.62	62.594		
4,600.00	4,514.23	3,737.44	3,594.66	22.18	26.93	-126.81	846.24	-1,796.40	2,569.88	2,539.67	39.49	61.900		
4,700.00	4,612.03	3,818.54	3,671.76	22.67	27.62	-126.79	867.62	-1,820.72	2,613.95	2,583.74	40.36	61.206		
4,800.00	4,709.83	3,899.64	3,748.86	23.16	28.31	-126.77	889.22	-1,845.04	2,658.02	2,627.81	41.23	60.512		
4,900.00	4,807.63	3,980.74	3,825.96	23.65	29.00	-126.75	911.04	-1,869.36	2,702.09	2,671.88	42.10	59.818		
5,000.00	4,905.43	4,061.84	3,903.06	24.14	29.69	-126.73	933.08	-1,893.68	2,746.16	2,715.95	42.97	59.124		
5,100.00	5,003.23	4,142.94	3,980.16	24.63	30.38	-126.71	955.34	-1,917.99	2,790.23	2,760.02	43.84	58.430		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	5,168.04	5,056.61	25.12	27.92	-134.98	709.18	-1,601.67	2,304.10	2,255.52	48.58	47.433		
5,300.00	5,198.83	5,250.46	5,139.02	25.62	28.21	-135.28	709.52	-1,602.10	2,319.58	2,270.19	49.39	46.969		
5,400.00	5,296.63	5,345.28	5,233.84	26.11	28.55	-135.62	709.82	-1,602.92	2,335.47	2,285.23	50.24	46.483		
5,500.00	5,394.43	5,424.00	5,312.55	26.60	28.83	-135.90	710.04	-1,604.04	2,351.99	2,300.96	51.03	46.088		
5,600.00	5,492.23	5,510.88	5,399.41	27.09	29.15	-136.19	710.96	-1,605.81	2,369.20	2,317.34	51.86	45.684		
5,700.00	5,590.03	5,651.13	5,539.60	27.58	29.67	-136.60	714.07	-1,608.01	2,386.11	2,333.18	52.93	45.080		
5,800.00	5,687.83	5,787.74	5,676.20	28.08	30.13	-137.08	713.80	-1,607.20	2,400.82	2,346.88	53.94	44.511		
5,900.00	5,785.63	5,861.20	5,749.66	28.57	30.37	-137.34	713.53	-1,606.74	2,415.65	2,360.95	54.70	44.165		
6,000.00	5,883.43	5,948.70	5,837.16	29.06	30.67	-137.64	713.28	-1,606.82	2,431.27	2,375.75	55.51	43.797		
6,100.00	5,981.23	6,037.28	5,925.74	29.56	30.98	-137.94	713.20	-1,607.20	2,447.31	2,390.97	56.34	43.439		
6,200.00	6,079.04	6,121.04	6,009.50	30.05	31.29	-138.21	713.45	-1,607.97	2,463.88	2,406.73	57.15	43.114		
6,300.00	6,176.84	6,199.43	6,087.87	30.54	31.58	-138.44	714.18	-1,609.22	2,481.17	2,423.24	57.93	42.828		
6,409.71	6,284.13	6,300.22	6,188.62	31.08	31.98	-138.73	715.98	-1,611.53	2,500.92	2,442.05	58.87	42.482		
6,450.00	6,323.71	6,379.05	6,267.41	31.28	32.28	-124.79	717.63	-1,612.86	2,506.74	2,447.32	59.42	42.190		
6,500.00	6,373.15	6,442.05	6,330.42	31.50	32.51	-97.46	718.05	-1,612.98	2,509.65	2,449.75	59.90	41.898		
6,550.00	6,422.65	6,488.35	6,376.72	31.70	32.68	-66.53	717.67	-1,613.04	2,508.69	2,448.40	60.29	41.612		
6,600.00	6,471.92	6,530.11	6,418.47	31.89	32.82	-45.25	717.06	-1,613.17	2,503.93	2,443.30	60.63	41.297		
6,650.00	6,520.65	6,571.12	6,459.48	32.07	32.97	-33.13	716.55	-1,613.43	2,495.45	2,434.50	60.96	40.938		
6,700.00	6,568.54	6,652.55	6,540.90	32.25	33.25	-26.17	715.39	-1,613.61	2,483.02	2,421.58	61.44	40.414		
6,750.00	6,615.30	6,716.42	6,604.74	32.43	33.46	-21.81	714.12	-1,612.93	2,466.20	2,404.38	61.82	39.891		
6,800.00	6,660.63	6,770.55	6,658.87	32.61	33.64	-18.92	713.01	-1,612.11	2,445.59	2,383.44	62.15	39.351		
6,850.00	6,704.26	6,812.34	6,700.64	32.80	33.79	-16.90	712.40	-1,611.44	2,421.43	2,359.02	62.41	38.799		
6,900.00	6,745.92	6,853.65	6,741.95	33.00	33.93	-15.50	712.12	-1,610.80	2,393.93	2,331.27	62.65	38.208		
6,950.00	6,785.34	6,886.56	6,774.85	33.21	34.04	-14.50	712.05	-1,610.34	2,363.31	2,300.46	62.85	37.600		
7,000.00	6,822.30	6,917.87	6,806.16	33.44	34.15	-13.84	712.05	-1,609.99	2,329.79	2,266.76	63.03	36.961		
7,050.00	6,856.55	6,947.68	6,835.97	33.69	34.26	-13.46	712.11	-1,609.72	2,293.55	2,230.36	63.19	36.293		
7,100.00	6,887.90	6,978.04	6,866.33	33.97	34.37	-13.35	712.23	-1,609.47	2,254.77	2,191.42	63.35	35.592		
7,150.00	6,916.14	7,005.39	6,893.68	34.28	34.47	-13.51	712.39	-1,609.26	2,213.66	2,150.17	63.49	34.869		
7,200.00	6,941.10	7,029.55	6,917.83	34.62	34.56	-13.97	712.58	-1,609.09	2,170.47	2,106.87	63.60	34.128		
7,250.00	6,962.63	7,050.36	6,938.64	35.00	34.63	-14.84	712.77	-1,608.95	2,125.45	2,061.76	63.69	33.371		
7,300.00	6,980.59	7,067.68	6,955.96	35.43	34.70	-16.33	712.95	-1,608.84	2,078.89	2,015.13	63.77	32.602		
7,350.00	6,994.88	7,081.41	6,969.69	35.89	34.75	-18.93	713.11	-1,608.75	2,031.07	1,967.25	63.82	31.824		
7,400.00	7,005.41	7,091.44	6,979.72	36.39	34.78	-23.91	713.24	-1,608.69	1,982.28	1,918.41	63.86	31.039		
7,450.00	7,012.10	7,097.72	6,986.00	36.93	34.81	-35.97	713.32	-1,608.65	1,932.81	1,868.92	63.89	30.251		
7,500.00	7,014.93	7,100.18	6,988.46	37.50	34.82	-79.16	713.35	-1,608.64	1,882.97	1,819.06	63.91	29.464		
7,517.56	7,015.00	7,100.14	6,988.42	37.70	34.82	-108.15	713.35	-1,608.64	1,865.44	1,801.53	63.91	29.188		
7,600.00	7,014.21	7,098.82	6,987.10	38.74	34.81	-107.43	713.33	-1,608.64	1,783.12	1,719.20	63.92	27.895		
7,700.00	7,013.24	7,097.23	6,985.51	40.15	34.81	-106.55	713.31	-1,608.65	1,683.29	1,619.35	63.94	26.326		
7,800.00	7,012.28	7,095.63	6,983.91	41.71	34.80	-105.67	713.29	-1,608.66	1,583.48	1,519.51	63.96	24.756		
7,900.00	7,011.31	7,094.02	6,982.30	43.40	34.79	-104.77	713.27	-1,608.67	1,483.69	1,419.69	63.99	23.185		
8,000.00	7,010.35	7,092.41	6,980.69	45.21	34.79	-103.87	713.25	-1,608.68	1,383.92	1,319.89	64.03	21.613		
8,100.00	7,009.38	7,090.80	6,979.08	47.12	34.78	-102.95	713.23	-1,608.69	1,284.20	1,220.12	64.08	20.041		
8,200.00	7,008.42	7,089.18	6,977.47	49.12	34.78	-102.03	713.21	-1,608.70	1,184.52	1,120.37	64.14	18.467		
8,300.00	7,007.45	7,087.56	6,975.85	51.21	34.77	-101.10	713.19	-1,608.71	1,084.89	1,020.66	64.23	16.891		
8,400.00	7,006.49	7,085.94	6,974.22	53.36	34.76	-100.16	713.17	-1,608.72	985.34	921.00	64.34	15.315		
8,500.00	7,005.52	7,084.31	6,972.59	55.57	34.76	-99.21	713.15	-1,608.73	885.88	821.39	64.49	13.736		
8,600.00	7,004.56	7,082.68	6,970.96	57.84	34.75	-98.26	713.13	-1,608.74	786.56	721.85	64.71	12.155		
8,700.00	7,003.59	7,081.04	6,969.33	60.16	34.75	-97.30	713.11	-1,608.75	687.43	622.40	65.03	10.571		
8,800.00	7,002.63	7,079.40	6,967.69	62.52	34.74	-96.33	713.09	-1,608.76	588.59	523.07	65.52	8.983		
8,900.00	7,001.66	7,077.76	6,966.04	64.92	34.73	-95.36	713.07	-1,608.77	490.22	423.89	66.34	7.390		
9,000.00	7,000.70	7,076.11	6,964.39	67.35	34.73	-94.39	713.05	-1,608.78	392.67	324.86	67.81	5.791		
9,100.00	6,999.73	7,074.46	6,962.74	69.81	34.72	-93.40	713.03	-1,608.79	296.74	225.95	70.78	4.192		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,072.80	6,961.09	72.31	34.72	-92.42	713.01	-1,608.80	204.72	126.98	77.75	2.633		
9,300.00	6,997.80	7,071.14	6,959.43	74.82	34.71	-91.43	712.99	-1,608.81	125.56	30.22	95.34	1.317	Level 3	
9,380.77	6,997.03	7,069.80	6,958.08	76.87	34.71	-90.63	712.98	-1,608.82	96.15	-14.18	110.33	0.871	Level 1, CC, ES, SF	
9,400.00	6,996.84	7,069.48	6,957.76	77.36	34.70	-90.44	712.97	-1,608.82	98.05	-10.80	108.85	0.901	Level 1	
9,500.00	6,995.88	7,067.81	6,956.09	79.92	34.70	-89.44	712.96	-1,608.84	153.16	66.32	86.83	1.764		
9,600.00	6,994.91	7,066.14	6,954.42	82.49	34.69	-88.45	712.94	-1,608.85	239.36	164.20	75.17	3.184		
9,700.00	6,993.95	7,064.46	6,952.74	85.09	34.69	-87.45	712.92	-1,608.86	333.36	262.94	70.41	4.734		
9,800.00	6,992.98	7,062.78	6,951.06	87.70	34.68	-86.46	712.90	-1,608.87	430.06	361.90	68.16	6.309		
9,900.00	6,992.02	7,061.10	6,949.38	90.32	34.67	-85.46	712.88	-1,608.88	527.99	461.03	66.96	7.886		
10,000.00	6,991.05	7,059.41	6,947.69	92.95	34.67	-84.46	712.86	-1,608.89	626.57	560.33	66.24	9.459		
10,100.00	6,990.09	7,057.71	6,946.00	95.60	34.66	-83.47	712.85	-1,608.90	725.53	659.75	65.79	11.029		
10,200.00	6,989.12	7,056.02	6,944.30	98.26	34.65	-82.47	712.83	-1,608.91	824.74	759.26	65.49	12.594		
10,300.00	6,988.16	7,054.31	6,942.60	100.92	34.65	-81.48	712.81	-1,608.92	924.12	858.84	65.28	14.156		
10,400.00	6,987.19	7,052.61	6,940.89	103.60	34.64	-80.49	712.79	-1,608.93	1,023.62	958.48	65.13	15.716		
10,500.00	6,986.23	7,050.90	6,939.18	106.28	34.64	-79.51	712.78	-1,608.95	1,123.20	1,058.17	65.03	17.272		
10,600.00	6,985.26	7,049.18	6,937.47	108.98	34.63	-78.53	712.76	-1,608.96	1,222.85	1,157.89	64.96	18.825		
10,700.00	6,984.30	7,047.47	6,935.75	111.68	34.62	-77.55	712.74	-1,608.97	1,322.55	1,257.64	64.91	20.376		
10,800.00	6,983.33	7,045.74	6,934.03	114.38	34.62	-76.58	712.73	-1,608.98	1,422.29	1,357.41	64.87	21.924		
10,900.00	6,982.37	7,044.01	6,932.30	117.09	34.61	-75.62	712.71	-1,608.99	1,522.06	1,457.21	64.85	23.470		
11,000.00	6,981.40	7,042.28	6,930.57	119.81	34.60	-74.66	712.69	-1,609.00	1,621.86	1,557.02	64.84	25.013		
11,100.00	6,980.44	7,040.55	6,928.83	122.54	34.60	-73.70	712.68	-1,609.02	1,721.68	1,656.84	64.84	26.554		
11,200.00	6,979.47	7,038.81	6,927.09	125.26	34.59	-72.76	712.66	-1,609.03	1,821.52	1,756.68	64.84	28.093		
11,300.00	6,978.51	7,037.06	6,925.35	128.00	34.59	-71.82	712.64	-1,609.04	1,921.37	1,856.52	64.85	29.629		
11,400.00	6,977.54	7,035.31	6,923.60	130.73	34.58	-70.89	712.63	-1,609.05	2,021.24	1,956.37	64.86	31.162		
11,500.00	6,976.58	7,033.56	6,921.84	133.48	34.57	-69.97	712.61	-1,609.06	2,121.11	2,056.23	64.88	32.693		
11,600.00	6,975.62	7,031.80	6,920.09	136.22	34.57	-69.06	712.60	-1,609.08	2,221.00	2,156.10	64.90	34.221		
11,700.00	6,974.65	7,030.04	6,918.32	138.97	34.56	-68.15	712.58	-1,609.09	2,320.90	2,255.97	64.93	35.747		
11,800.00	6,973.69	7,028.27	6,916.56	141.73	34.55	-67.26	712.57	-1,609.10	2,420.80	2,355.85	64.95	37.270		
11,900.00	6,972.72	7,026.50	6,914.79	144.48	34.55	-66.37	712.55	-1,609.11	2,520.71	2,455.73	64.98	38.790		
12,000.00	6,971.76	7,024.72	6,913.01	147.24	34.54	-65.50	712.54	-1,609.13	2,620.62	2,555.61	65.02	40.307		
12,100.00	6,970.79	7,022.94	6,911.23	150.00	34.53	-64.63	712.52	-1,609.14	2,720.54	2,655.49	65.05	41.822		
12,200.00	6,969.83	7,021.16	6,909.44	152.77	34.53	-63.78	712.51	-1,609.15	2,820.47	2,755.38	65.09	43.334		
12,300.00	6,968.86	7,019.37	6,907.66	155.54	34.52	-62.93	712.49	-1,609.16	2,920.40	2,855.27	65.13	44.843		
12,400.00	6,967.90	7,017.58	6,905.86	158.31	34.51	-62.10	712.48	-1,609.18	3,020.33	2,955.17	65.17	46.349		
12,500.00	6,966.93	7,015.78	6,904.06	161.08	34.51	-61.28	712.47	-1,609.19	3,120.27	3,055.06	65.21	47.851		
12,600.00	6,965.97	7,013.97	6,902.26	163.85	34.50	-60.46	712.45	-1,609.20	3,220.21	3,154.96	65.25	49.351		
12,700.00	6,965.00	7,012.17	6,900.45	166.63	34.49	-59.66	712.44	-1,609.22	3,320.15	3,254.85	65.30	50.848		
12,800.00	6,964.04	7,010.35	6,898.64	169.41	34.49	-58.87	712.43	-1,609.23	3,420.09	3,354.75	65.34	52.342		
12,900.00	6,963.07	7,008.54	6,896.82	172.19	34.48	-58.09	712.41	-1,609.24	3,520.04	3,454.65	65.39	53.832		
13,000.00	6,962.11	7,006.71	6,895.00	174.97	34.47	-57.33	712.40	-1,609.25	3,619.99	3,554.55	65.44	55.319		
13,100.00	6,961.14	7,004.89	6,893.17	177.76	34.47	-56.57	712.39	-1,609.27	3,719.94	3,654.45	65.49	56.803		
13,200.00	6,960.18	7,003.06	6,891.34	180.54	34.46	-55.82	712.38	-1,609.28	3,819.89	3,754.35	65.54	58.283		
13,300.00	6,959.21	7,001.22	6,889.51	183.33	34.45	-55.09	712.36	-1,609.30	3,919.84	3,854.25	65.59	59.760		
13,400.00	6,958.25	6,999.38	6,887.67	186.12	34.45	-54.37	712.35	-1,609.31	4,019.80	3,954.15	65.65	61.234		
13,500.00	6,957.28	6,997.53	6,885.82	188.91	34.44	-53.65	712.34	-1,609.32	4,119.76	4,054.06	65.70	62.704		
13,600.00	6,956.32	6,995.68	6,883.97	191.70	34.43	-52.95	712.33	-1,609.34	4,219.72	4,153.96	65.76	64.170		
13,700.00	6,955.35	6,993.83	6,882.12	194.49	34.43	-52.26	712.32	-1,609.35	4,319.67	4,253.86	65.82	65.633		
13,800.00	6,954.39	6,991.97	6,880.26	197.29	34.42	-51.58	712.31	-1,609.36	4,419.63	4,353.76	65.87	67.093		
13,900.00	6,953.43	6,990.10	6,878.39	200.08	34.41	-50.91	712.29	-1,609.38	4,519.60	4,453.66	65.93	68.548		
14,000.00	6,952.46	6,988.23	6,876.52	202.88	34.41	-50.26	712.28	-1,609.39	4,619.56	4,553.57	65.99	70.000		
14,100.00	6,951.50	6,986.36	6,874.65	205.68	34.40	-49.61	712.27	-1,609.41	4,719.52	4,653.47	66.05	71.448		
14,200.00	6,950.53	6,984.48	6,872.77	208.48	34.39	-48.97	712.26	-1,609.42	4,819.49	4,753.37	66.12	72.893		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	6,982.60	6,870.88	211.28	34.39	-48.35	712.25	-1,609.44	4,919.45	4,853.27	66.18	74.334		
14,400.00	6,948.60	6,980.71	6,868.99	214.08	34.38	-47.73	712.24	-1,609.45	5,019.42	4,953.17	66.25	75.770		
14,500.00	6,947.64	6,978.81	6,867.10	216.88	34.37	-47.13	712.23	-1,609.47	5,119.38	5,053.07	66.31	77.203		
14,600.00	6,946.67	6,976.91	6,865.20	219.68	34.36	-46.53	712.22	-1,609.48	5,219.35	5,152.97	66.38	78.632		
14,700.00	6,945.71	6,975.01	6,863.30	222.49	34.36	-45.95	712.21	-1,609.50	5,319.32	5,252.87	66.44	80.057		
14,800.00	6,944.74	6,973.10	6,861.39	225.29	34.35	-45.37	712.20	-1,609.51	5,419.29	5,352.77	66.51	81.478		
14,900.00	6,943.78	6,971.19	6,859.47	228.10	34.34	-44.81	712.20	-1,609.53	5,519.25	5,452.67	66.58	82.895		
15,000.00	6,942.81	6,969.27	6,857.55	230.90	34.34	-44.25	712.19	-1,609.54	5,619.22	5,552.57	66.65	84.308		
15,100.00	6,941.85	6,967.34	6,855.63	233.71	34.33	-43.71	712.18	-1,609.56	5,719.19	5,652.47	66.72	85.717		
15,200.00	6,940.88	6,965.41	6,853.70	236.52	34.32	-43.17	712.17	-1,609.57	5,819.16	5,752.37	66.79	87.122		
15,300.00	6,939.92	6,963.48	6,851.77	239.32	34.32	-42.64	712.16	-1,609.59	5,919.13	5,852.27	66.87	88.523		
15,400.00	6,938.95	6,961.54	6,849.83	242.13	34.31	-42.12	712.16	-1,609.60	6,019.11	5,952.17	66.94	89.919		
15,500.00	6,937.99	6,959.59	6,847.88	244.94	34.30	-41.61	712.15	-1,609.62	6,119.08	6,052.06	67.01	91.311		
15,600.00	6,937.02	6,957.64	6,845.93	247.75	34.29	-41.11	712.14	-1,609.63	6,219.05	6,151.96	67.09	92.699		
15,706.13	6,936.00	6,955.57	6,843.86	250.74	34.29	-40.59	712.13	-1,609.65	6,325.15	6,257.98	67.17	94.168		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-75.65	242.65	-948.69	979.97					
100.00	100.00	57.13	57.13	3.28	3.29	-75.65	242.67	-948.79	979.34	972.77	6.57	149.016	CC, ES	
200.00	200.00	146.53	146.52	3.34	3.34	-75.66	242.84	-949.70	980.38	973.70	6.68	146.862		
300.00	300.00	250.02	250.00	3.44	3.45	-75.66	243.23	-951.21	981.89	975.00	6.89	142.425		
400.00	399.98	339.89	339.86	3.60	3.59	-122.70	243.35	-952.77	984.55	977.36	7.20	136.830		
500.00	499.84	439.87	439.79	3.81	3.79	-122.98	242.09	-955.42	989.66	982.06	7.59	130.309		
600.00	599.45	539.12	538.90	4.05	4.03	-123.55	238.00	-958.55	996.56	988.49	8.07	123.499		
700.00	698.70	622.74	622.21	4.33	4.26	-124.26	232.03	-962.49	1,006.44	997.86	8.58	117.358		
800.00	797.47	705.96	704.94	4.64	4.51	-125.11	224.74	-967.88	1,020.02	1,010.88	9.14	111.631		
902.00	897.58	799.52	797.77	4.98	4.83	-126.22	215.42	-974.90	1,037.29	1,027.51	9.79	105.983		
1,000.00	993.42	887.67	885.13	5.33	5.16	-127.60	206.07	-981.95	1,055.94	1,045.49	10.45	101.081		
1,100.00	1,091.22	973.40	969.96	5.71	5.50	-128.96	196.10	-989.40	1,076.22	1,065.08	11.14	96.637		
1,200.00	1,189.02	1,040.53	1,036.10	6.11	5.80	-130.06	187.00	-996.35	1,098.66	1,086.88	11.78	93.264		
1,300.00	1,286.82	1,109.24	1,103.40	6.53	6.12	-131.23	176.41	-1,005.25	1,124.15	1,111.71	12.44	90.337		
1,400.00	1,384.62	1,184.27	1,176.57	6.95	6.49	-132.51	163.99	-1,016.29	1,152.08	1,138.93	13.15	87.610		
1,500.00	1,482.42	1,264.14	1,254.14	7.38	6.91	-133.88	149.72	-1,028.81	1,181.75	1,167.86	13.89	85.049		
1,600.00	1,580.22	1,338.01	1,325.56	7.83	7.33	-135.14	135.46	-1,041.21	1,213.30	1,198.69	14.62	83.010		
1,700.00	1,678.03	1,412.13	1,396.92	8.27	7.77	-136.40	120.49	-1,054.51	1,246.80	1,231.46	15.35	81.248		
1,800.00	1,775.83	1,498.13	1,479.45	8.72	8.30	-137.82	102.40	-1,070.52	1,281.78	1,265.62	16.16	79.315		
1,900.00	1,873.63	1,583.39	1,561.00	9.18	8.85	-139.22	83.16	-1,086.33	1,317.64	1,300.65	16.98	77.585		
2,000.00	1,971.43	1,692.64	1,665.41	9.64	9.58	-140.97	57.66	-1,105.91	1,353.87	1,335.88	17.99	75.257		
2,100.00	2,069.23	1,770.56	1,739.90	10.11	10.11	-142.16	39.17	-1,119.36	1,390.29	1,371.51	18.77	74.063		
2,200.00	2,167.03	1,827.05	1,793.56	10.57	10.52	-143.04	24.85	-1,129.65	1,428.58	1,409.20	19.39	73.690		
2,300.00	2,264.83	1,886.84	1,849.92	11.04	10.96	-143.95	8.98	-1,141.78	1,469.53	1,449.51	20.01	73.424		
2,400.00	2,362.63	1,975.83	1,933.88	11.52	11.62	-145.21	-13.70	-1,160.58	1,511.71	1,490.82	20.89	72.374		
2,500.00	2,460.43	2,073.73	2,026.63	11.99	12.36	-146.49	-37.64	-1,180.79	1,553.81	1,531.98	21.83	71.171		
2,600.00	2,558.23	2,159.58	2,108.08	12.47	13.00	-147.54	-58.22	-1,198.47	1,596.30	1,573.62	22.67	70.412		
2,700.00	2,656.03	2,258.30	2,201.78	12.94	13.74	-148.70	-82.09	-1,218.39	1,638.94	1,615.32	23.62	69.382		
2,800.00	2,753.83	2,343.31	2,282.69	13.42	14.38	-149.63	-102.20	-1,235.01	1,681.35	1,656.90	24.45	68.767		
2,900.00	2,851.63	2,405.30	2,341.61	13.90	14.85	-150.26	-116.39	-1,248.03	1,725.15	1,700.08	25.07	68.822		
3,000.00	2,949.43	2,513.52	2,444.50	14.38	15.67	-151.32	-141.12	-1,270.67	1,769.21	1,743.11	26.10	67.787		
3,100.00	3,047.23	2,592.67	2,519.79	14.87	16.28	-152.06	-159.57	-1,286.70	1,813.18	1,786.31	26.87	67.481		
3,200.00	3,145.03	2,645.58	2,569.96	15.35	16.69	-152.54	-171.85	-1,298.15	1,858.58	1,831.19	27.39	67.848		
3,300.00	3,242.83	2,712.51	2,633.15	15.83	17.22	-153.11	-187.56	-1,313.66	1,905.58	1,877.53	28.05	67.944		
3,400.00	3,340.63	2,895.95	2,806.90	16.32	18.66	-154.69	-232.51	-1,351.37	1,951.14	1,921.34	29.80	65.480		
3,500.00	3,438.43	2,984.00	2,890.87	16.80	19.33	-155.43	-253.96	-1,367.00	1,994.49	1,963.83	30.65	65.063		
3,600.00	3,536.23	3,099.33	3,000.69	17.29	20.20	-156.38	-283.18	-1,386.63	2,037.92	2,006.16	31.76	64.163		
3,700.00	3,634.03	3,205.81	3,102.84	17.78	20.98	-157.15	-307.45	-1,404.28	2,080.24	2,047.47	32.77	63.472		
3,800.00	3,731.83	3,250.85	3,146.10	18.26	21.31	-157.43	-316.90	-1,412.51	2,123.42	2,090.19	33.23	63.899		
3,900.00	3,829.63	3,900.00	3,237.81	18.75	26.09	-158.02	-337.26	-1,430.66	2,167.56	2,130.40	37.16	58.325		
4,000.00	3,927.43	3,535.39	3,419.61	19.24	23.35	-159.27	-380.22	-1,458.02	2,207.84	2,171.97	35.87	61.552		
4,100.00	4,025.23	3,602.80	3,484.43	19.73	23.83	-159.73	-396.69	-1,466.49	2,248.33	2,211.78	36.54	61.522		
4,200.00	4,123.03	3,642.00	3,522.08	20.22	24.11	-159.99	-406.14	-1,471.89	2,290.21	2,253.25	36.96	61.957		
4,300.00	4,220.83	3,699.21	3,576.83	20.71	24.54	-160.35	-420.23	-1,480.71	2,333.68	2,296.15	37.54	62.170		
4,400.00	4,318.63	3,742.92	3,618.38	21.20	24.87	-160.63	-431.47	-1,488.32	2,379.15	2,341.17	37.97	62.652		
4,500.00	4,416.43	3,799.23	3,671.62	21.69	25.33	-160.99	-446.62	-1,498.64	2,426.06	2,387.54	38.53	62.968		
4,600.00	4,514.23	3,865.71	3,734.17	22.18	25.87	-161.41	-465.28	-1,511.22	2,474.09	2,434.91	39.18	63.142		
4,700.00	4,612.03	3,947.68	3,811.16	22.67	26.55	-161.92	-488.57	-1,526.96	2,522.68	2,482.68	40.00	63.072		
4,800.00	4,709.83	4,800.00	3,983.64	23.16	33.09	-162.94	-537.34	-1,560.76	2,570.64	2,525.16	45.48	56.527		
4,900.00	4,807.63	4,231.62	4,081.06	23.65	28.77	-163.35	-558.57	-1,579.53	2,615.60	2,572.84	42.76	61.171		
5,000.00	4,905.43	4,286.84	4,134.15	24.14	29.17	-163.51	-568.27	-1,591.22	2,661.34	2,618.05	43.29	61.479		
5,100.00	5,003.23	4,343.56	4,188.46	24.63	29.59	-163.68	-579.03	-1,603.53	2,708.17	2,664.35	43.82	61.796		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	5,101.03	4,494.90	4,333.43	25.12	30.72	-164.19	-609.67	-1,634.32	2,754.56	2,709.30	45.26	60.863		
5,300.00	5,198.83	4,882.08	4,710.67	25.62	33.19	-165.40	-675.84	-1,688.56	2,792.34	2,743.83	48.52	57.556		
5,400.00	5,296.63	5,029.95	4,856.55	26.11	33.99	-165.75	-694.12	-1,704.33	2,827.53	2,777.80	49.73	56.860		
5,500.00	5,394.43	5,311.64	5,136.39	26.60	35.30	-166.31	-719.18	-1,723.49	2,856.62	2,804.95	51.66	55.292		
5,600.00	5,492.23	5,604.20	5,428.42	27.09	36.38	-166.81	-734.25	-1,729.31	2,881.14	2,827.77	53.37	53.988		
5,700.00	5,590.03	5,678.91	5,503.11	27.58	36.61	-166.92	-736.27	-1,729.24	2,902.73	2,848.63	54.10	53.658		
5,800.00	5,687.83	5,782.15	5,606.31	28.08	36.95	-167.06	-739.01	-1,729.65	2,924.73	2,869.79	54.94	53.235		
5,900.00	5,785.63	5,939.09	5,763.23	28.57	37.38	-167.18	-737.83	-1,730.02	2,944.52	2,888.60	55.93	52.650		
6,000.00	5,883.43	6,027.47	5,851.59	29.06	37.61	-167.22	-735.95	-1,730.80	2,964.57	2,907.90	56.68	52.308		
6,100.00	5,981.23	6,124.71	5,948.80	29.56	37.87	-167.26	-733.83	-1,731.85	2,984.77	2,927.31	57.46	51.948		
6,200.00	6,079.04	6,208.81	6,032.87	30.05	38.10	-167.30	-731.91	-1,732.99	3,005.14	2,946.94	58.20	51.637		
6,300.00	6,176.84	6,298.25	6,122.26	30.54	38.36	-167.32	-729.77	-1,734.71	3,025.94	2,966.98	58.96	51.322		
6,409.71	6,284.13	6,420.79	6,244.74	31.08	38.71	-167.36	-726.70	-1,737.03	3,048.68	2,988.80	59.89	50.909		
6,450.00	6,323.71	6,447.91	6,271.85	31.28	38.78	-152.91	-726.02	-1,737.57	3,055.94	2,995.78	60.16	50.798		
6,500.00	6,373.15	6,488.61	6,312.53	31.50	38.90	-125.19	-725.05	-1,738.42	3,061.96	3,001.45	60.51	50.604		
6,550.00	6,422.65	6,531.00	6,354.90	31.70	39.03	-94.07	-724.15	-1,739.38	3,064.66	3,003.81	60.85	50.364		
6,600.00	6,471.92	6,573.43	6,397.31	31.89	39.16	-72.78	-723.37	-1,740.39	3,064.01	3,002.84	61.17	50.087		
6,650.00	6,520.65	6,619.67	6,443.53	32.07	39.30	-60.84	-722.60	-1,741.53	3,060.01	2,998.52	61.49	49.761		
6,700.00	6,568.54	6,666.42	6,490.26	32.25	39.44	-54.07	-721.85	-1,742.69	3,052.63	2,990.84	61.80	49.396		
6,750.00	6,615.30	6,717.61	6,541.43	32.43	39.60	-50.16	-720.98	-1,743.98	3,041.90	2,979.80	62.10	48.981		
6,800.00	6,660.63	6,768.78	6,592.57	32.61	39.76	-47.94	-719.94	-1,745.27	3,027.85	2,965.45	62.39	48.529		
6,850.00	6,704.26	6,820.50	6,644.25	32.80	39.92	-46.87	-718.64	-1,746.61	3,010.55	2,947.88	62.67	48.041		
6,900.00	6,745.92	6,870.10	6,693.81	33.00	40.07	-46.64	-717.09	-1,747.94	2,990.14	2,927.22	62.92	47.522		
6,950.00	6,785.34	6,905.46	6,729.14	33.21	40.17	-46.99	-715.94	-1,748.94	2,966.89	2,903.78	63.11	47.011		
7,000.00	6,822.30	6,941.75	6,765.40	33.44	40.28	-47.95	-714.72	-1,750.00	2,940.97	2,877.67	63.30	46.461		
7,050.00	6,856.55	6,988.54	6,812.14	33.69	40.42	-49.64	-713.08	-1,751.33	2,912.49	2,848.96	63.53	45.846		
7,100.00	6,887.90	7,031.72	6,855.27	33.97	40.55	-51.92	-711.46	-1,752.42	2,881.59	2,817.84	63.74	45.207		
7,150.00	6,916.14	7,061.18	6,884.71	34.28	40.63	-54.64	-710.32	-1,753.12	2,848.57	2,784.66	63.92	44.567		
7,200.00	6,941.10	7,087.72	6,911.22	34.62	40.71	-57.95	-709.29	-1,753.75	2,813.74	2,749.64	64.09	43.902		
7,250.00	6,962.63	7,110.77	6,934.24	35.00	40.78	-61.87	-708.40	-1,754.29	2,777.32	2,713.04	64.27	43.212		
7,300.00	6,980.59	7,130.19	6,953.64	35.43	40.84	-66.39	-707.64	-1,754.74	2,739.57	2,675.11	64.46	42.500		
7,350.00	6,994.88	7,142.96	6,966.40	35.89	40.87	-71.40	-707.14	-1,755.06	2,700.77	2,636.12	64.65	41.774		
7,400.00	7,005.41	7,153.50	6,976.93	36.39	40.90	-76.94	-706.73	-1,755.32	2,661.17	2,596.30	64.86	41.027		
7,450.00	7,012.10	7,160.64	6,984.06	36.93	40.93	-82.87	-706.45	-1,755.50	2,621.03	2,555.93	65.09	40.266		
7,500.00	7,014.93	7,164.29	6,987.70	37.50	40.94	-89.01	-706.31	-1,755.60	2,580.60	2,515.26	65.34	39.494		
7,517.56	7,015.00	7,164.74	6,988.15	37.70	40.94	-91.19	-706.29	-1,755.61	2,566.39	2,500.96	65.43	39.221		
7,600.00	7,014.21	7,165.81	6,989.23	38.74	40.94	-91.23	-706.25	-1,755.63	2,500.13	2,434.20	65.92	37.925		
7,700.00	7,013.24	7,167.13	6,990.55	40.15	40.95	-91.28	-706.19	-1,755.67	2,421.09	2,354.42	66.67	36.316		
7,800.00	7,012.28	7,168.47	6,991.88	41.71	40.95	-91.33	-706.14	-1,755.70	2,343.65	2,276.06	67.59	34.674		
7,900.00	7,011.31	7,169.82	6,993.23	43.40	40.95	-91.38	-706.09	-1,755.74	2,267.98	2,199.27	68.71	33.007		
8,000.00	7,010.35	7,171.18	6,994.59	45.21	40.96	-91.43	-706.04	-1,755.78	2,194.25	2,124.21	70.05	31.326		
8,100.00	7,009.38	7,172.56	6,995.97	47.12	40.96	-91.48	-705.98	-1,755.81	2,122.68	2,051.07	71.61	29.643		
8,200.00	7,008.42	7,173.95	6,997.36	49.12	40.97	-91.54	-705.93	-1,755.85	2,053.48	1,980.07	73.41	27.972		
8,300.00	7,007.45	7,175.36	6,998.76	51.21	40.97	-91.59	-705.87	-1,755.89	1,986.90	1,911.44	75.47	26.328		
8,400.00	7,006.49	7,176.78	7,000.18	53.36	40.97	-91.64	-705.82	-1,755.92	1,923.23	1,845.45	77.78	24.727		
8,500.00	7,005.52	7,178.22	7,001.62	55.57	40.98	-91.70	-705.76	-1,755.96	1,862.74	1,782.39	80.35	23.182		
8,600.00	7,004.56	7,179.68	7,003.07	57.84	40.98	-91.75	-705.70	-1,756.00	1,805.77	1,722.59	83.18	21.709		
8,700.00	7,003.59	7,181.15	7,004.54	60.16	40.99	-91.81	-705.64	-1,756.04	1,752.65	1,666.39	86.26	20.318		
8,800.00	7,002.63	7,182.63	7,006.03	62.52	40.99	-91.87	-705.58	-1,756.08	1,703.75	1,614.19	89.56	19.023		
8,900.00	7,001.66	7,184.14	7,007.53	64.92	41.00	-91.92	-705.53	-1,756.12	1,659.45	1,566.37	93.07	17.830		
9,000.00	7,000.70	7,185.66	7,009.05	67.35	41.00	-91.98	-705.47	-1,756.16	1,620.10	1,523.36	96.74	16.747		
9,100.00	6,999.73	7,187.20	7,010.59	69.81	41.00	-92.04	-705.40	-1,756.20	1,586.10	1,485.58	100.52	15.778		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	6,998.77	7,188.75	7,012.14	72.31	41.01	-92.10	-705.34	-1,756.25	1,557.78	1,453.42	104.36	14.927		
9,300.00	6,997.80	7,190.33	7,013.71	74.82	41.01	-92.16	-705.28	-1,756.29	1,535.46	1,427.29	108.18	14.194		
9,400.00	6,996.84	7,191.92	7,015.30	77.36	41.02	-92.22	-705.22	-1,756.33	1,519.41	1,407.50	111.91	13.577		
9,500.00	6,995.88	7,193.53	7,016.91	79.92	41.02	-92.28	-705.15	-1,756.38	1,509.82	1,394.35	115.47	13.075		
9,595.27	6,994.96	7,195.08	7,018.46	82.37	41.03	-92.34	-705.09	-1,756.42	1,506.81	1,388.16	118.65	12.700		
9,600.00	6,994.91	7,195.16	7,018.54	82.49	41.03	-92.34	-705.09	-1,756.42	1,506.82	1,388.02	118.80	12.683		
9,700.00	6,993.95	7,196.80	7,020.18	85.09	41.03	-92.40	-705.03	-1,756.47	1,510.45	1,388.61	121.83	12.398		
9,800.00	6,992.98	7,198.47	7,021.85	87.70	41.04	-92.47	-704.96	-1,756.51	1,520.66	1,396.13	124.52	12.212		
9,900.00	6,992.02	7,200.16	7,023.53	90.32	41.04	-92.53	-704.89	-1,756.56	1,537.31	1,410.48	126.83	12.121		
10,000.00	6,991.05	7,201.87	7,025.24	92.95	41.05	-92.60	-704.82	-1,756.61	1,560.21	1,431.46	128.75	12.118 SF		
10,100.00	6,990.09	7,203.59	7,026.96	95.60	41.05	-92.66	-704.76	-1,756.66	1,589.08	1,458.80	130.28	12.197		
10,200.00	6,989.12	7,205.34	7,028.71	98.26	41.06	-92.73	-704.69	-1,756.71	1,623.60	1,492.16	131.44	12.352		
10,300.00	6,988.16	7,207.11	7,030.48	100.92	41.06	-92.80	-704.62	-1,756.76	1,663.43	1,531.17	132.26	12.577		
10,400.00	6,987.19	7,208.90	7,032.27	103.60	41.07	-92.86	-704.55	-1,756.81	1,708.19	1,575.43	132.76	12.867		
10,500.00	6,986.23	7,210.72	7,034.08	106.28	41.08	-92.93	-704.47	-1,756.86	1,757.50	1,624.51	132.99	13.215		
10,600.00	6,985.26	7,212.55	7,035.91	108.98	41.08	-93.00	-704.40	-1,756.91	1,810.99	1,678.00	132.99	13.617		
10,700.00	6,984.30	7,214.41	7,037.77	111.68	41.09	-93.07	-704.33	-1,756.96	1,868.31	1,735.51	132.80	14.069		
10,800.00	6,983.33	7,216.30	7,039.65	114.38	41.09	-93.15	-704.25	-1,757.02	1,929.11	1,796.67	132.44	14.566		
10,900.00	6,982.37	7,218.20	7,041.55	117.09	41.10	-93.22	-704.18	-1,757.07	1,993.07	1,861.11	131.96	15.104		
11,000.00	6,981.40	7,220.13	7,043.48	119.81	41.10	-93.29	-704.10	-1,757.13	2,059.90	1,928.53	131.38	15.679		
11,100.00	6,980.44	7,222.09	7,045.44	122.54	41.11	-93.37	-704.02	-1,757.19	2,129.33	1,998.62	130.72	16.290		
11,200.00	6,979.47	7,224.07	7,047.41	125.26	41.11	-93.44	-703.94	-1,757.24	2,201.12	2,071.11	130.00	16.931		
11,300.00	6,978.51	7,225.20	7,048.55	128.00	41.12	-93.48	-703.89	-1,757.27	2,275.03	2,145.78	129.25	17.602		
11,400.00	6,977.54	7,227.00	7,050.35	130.73	41.12	-93.55	-703.82	-1,757.32	2,350.87	2,222.41	128.47	18.299		
11,500.00	6,976.58	7,228.80	7,052.14	133.48	41.13	-93.62	-703.75	-1,757.37	2,428.47	2,300.79	127.67	19.021		
11,600.00	6,975.62	7,230.59	7,053.93	136.22	41.13	-93.69	-703.67	-1,757.42	2,507.64	2,380.77	126.88	19.765		
11,700.00	6,974.65	7,232.38	7,055.72	138.97	41.14	-93.76	-703.60	-1,757.48	2,588.26	2,462.18	126.08	20.529		
11,800.00	6,973.69	7,234.17	7,057.51	141.73	41.15	-93.83	-703.53	-1,757.53	2,670.19	2,544.90	125.29	21.312		
11,900.00	6,972.72	7,235.96	7,059.29	144.48	41.15	-93.89	-703.46	-1,757.58	2,753.31	2,628.80	124.52	22.112		
12,000.00	6,971.76	7,237.74	7,061.07	147.24	41.16	-93.96	-703.38	-1,757.63	2,837.52	2,713.77	123.76	22.928		
12,100.00	6,970.79	7,239.52	7,062.85	150.00	41.16	-94.03	-703.31	-1,757.68	2,922.73	2,799.72	123.01	23.759		
12,200.00	6,969.83	7,241.30	7,064.63	152.77	41.17	-94.10	-703.24	-1,757.73	3,008.84	2,886.55	122.29	24.604		
12,300.00	6,968.86	7,243.08	7,066.40	155.54	41.17	-94.16	-703.16	-1,757.78	3,095.79	2,974.20	121.59	25.461		
12,400.00	6,967.90	7,244.85	7,068.17	158.31	41.18	-94.23	-703.09	-1,757.83	3,183.51	3,062.60	120.91	26.330		
12,500.00	6,966.93	7,246.62	7,069.94	161.08	41.18	-94.30	-703.02	-1,757.88	3,271.92	3,151.67	120.25	27.209		
12,600.00	6,965.97	7,248.39	7,071.70	163.85	41.19	-94.37	-702.94	-1,757.93	3,360.99	3,241.38	119.62	28.098		
12,700.00	6,965.00	7,250.15	7,073.47	166.63	41.19	-94.43	-702.87	-1,757.98	3,450.66	3,331.65	119.00	28.997		
12,800.00	6,964.04	7,251.92	7,075.23	169.41	41.20	-94.50	-702.79	-1,758.03	3,540.87	3,422.46	118.41	29.903		
12,900.00	6,963.07	7,253.68	7,076.99	172.19	41.20	-94.57	-702.72	-1,758.08	3,631.60	3,513.76	117.84	30.818		
13,000.00	6,962.11	7,255.44	7,078.74	174.97	41.21	-94.63	-702.65	-1,758.13	3,722.81	3,605.52	117.29	31.740		
13,100.00	6,961.14	7,257.19	7,080.50	177.76	41.21	-94.70	-702.57	-1,758.18	3,814.45	3,697.69	116.76	32.669		
13,200.00	6,960.18	7,258.94	7,082.25	180.54	41.22	-94.77	-702.50	-1,758.23	3,906.50	3,790.25	116.25	33.604		
13,300.00	6,959.21	7,260.69	7,083.99	183.33	41.22	-94.83	-702.43	-1,758.28	3,998.94	3,883.18	115.76	34.545		
13,400.00	6,958.25	7,262.44	7,085.74	186.12	41.23	-94.90	-702.35	-1,758.33	4,091.73	3,976.44	115.29	35.491		
13,500.00	6,957.28	7,264.19	7,087.48	188.91	41.24	-94.97	-702.28	-1,758.38	4,184.85	4,070.01	114.83	36.443		
13,600.00	6,956.32	7,265.93	7,089.22	191.70	41.24	-95.03	-702.20	-1,758.43	4,278.28	4,163.88	114.40	37.399		
13,700.00	6,955.35	7,267.67	7,090.96	194.49	41.25	-95.10	-702.13	-1,758.47	4,372.00	4,258.02	113.98	38.359		
13,800.00	6,954.39	7,269.41	7,092.70	197.29	41.25	-95.16	-702.06	-1,758.52	4,465.99	4,352.42	113.57	39.323		
13,900.00	6,953.43	7,271.14	7,094.43	200.08	41.26	-95.23	-701.98	-1,758.57	4,560.24	4,447.05	113.18	40.291		
14,000.00	6,952.46	7,272.88	7,096.16	202.88	41.26	-95.29	-701.91	-1,758.62	4,654.72	4,541.92	112.81	41.262		
14,100.00	6,951.50	7,274.61	7,097.89	205.68	41.27	-95.36	-701.83	-1,758.67	4,749.44	4,636.99	112.45	42.237		
14,200.00	6,950.53	7,276.34	7,099.62	208.48	41.27	-95.43	-701.76	-1,758.72	4,844.36	4,732.26	112.10	43.214		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	6,949.57	7,278.06	7,101.34	211.28	41.28	-95.49	-701.68	-1,758.77	4,939.48	4,827.71	111.77	44.194		
14,400.00	6,948.60	7,279.79	7,103.06	214.08	41.28	-95.56	-701.61	-1,758.82	5,034.79	4,923.35	111.45	45.177		
14,500.00	6,947.64	7,281.51	7,104.78	216.88	41.29	-95.62	-701.54	-1,758.87	5,130.28	5,019.15	111.14	46.161		
14,600.00	6,946.67	7,283.22	7,106.49	219.68	41.29	-95.69	-701.46	-1,758.91	5,225.94	5,115.10	110.84	47.148		
14,700.00	6,945.71	7,284.94	7,108.21	222.49	41.30	-95.75	-701.39	-1,758.96	5,321.76	5,211.20	110.55	48.137		
14,800.00	6,944.74	7,286.65	7,109.92	225.29	41.30	-95.82	-701.31	-1,759.01	5,417.73	5,307.45	110.28	49.127		
14,900.00	6,943.78	7,288.36	7,111.63	228.10	41.31	-95.88	-701.24	-1,759.06	5,513.84	5,403.82	110.01	50.119		
15,000.00	6,942.81	7,290.07	7,113.33	230.90	41.31	-95.95	-701.16	-1,759.11	5,610.08	5,500.32	109.76	51.113		
15,100.00	6,941.85	7,291.78	7,115.04	233.71	41.32	-96.01	-701.09	-1,759.15	5,706.46	5,596.94	109.51	52.107		
15,200.00	6,940.88	7,293.48	7,116.74	236.52	41.32	-96.08	-701.01	-1,759.20	5,802.95	5,693.68	109.28	53.103		
15,300.00	6,939.92	7,295.18	7,118.44	239.32	41.33	-96.14	-700.94	-1,759.25	5,899.57	5,790.52	109.05	54.100		
15,400.00	6,938.95	7,296.88	7,120.13	242.13	41.33	-96.20	-700.86	-1,759.30	5,996.29	5,887.46	108.83	55.098		
15,500.00	6,937.99	7,298.66	7,121.91	244.94	41.34	-96.27	-700.79	-1,759.35	6,093.12	5,984.50	108.62	56.096		
15,600.00	6,937.02	7,300.60	7,123.85	247.75	41.34	-96.35	-700.70	-1,759.40	6,190.05	6,081.63	108.42	57.095		
15,706.13	6,936.00	7,302.67	7,125.91	250.74	41.35	-96.42	-700.61	-1,759.46	6,293.02	6,184.81	108.21	58.156		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-78.90	182.17	-928.37	946.80					
100.00	100.00	60.75	60.75	3.28	3.29	-78.90	182.21	-928.42	946.13	939.56	6.57	143.944		
200.00	200.00	155.96	155.96	3.34	3.34	-78.88	182.56	-928.82	946.62	939.94	6.68	141.684		
300.00	300.00	266.33	266.33	3.44	3.47	-78.92	181.94	-929.24	946.89	939.98	6.91	137.028		
400.00	399.98	450.50	449.93	3.60	3.80	-126.78	170.35	-924.82	945.43	937.97	7.46	126.744		
500.00	499.84	574.15	571.78	3.81	4.14	-128.19	152.20	-914.33	937.53	929.52	8.01	117.007		
600.00	599.45	669.44	665.57	4.05	4.47	-129.48	137.75	-905.68	931.64	923.11	8.54	109.111		
700.00	698.70	763.51	758.25	4.33	4.82	-130.83	123.99	-897.31	928.72	919.58	9.13	101.679		
745.25	743.46	807.59	801.69	4.47	5.00	-131.50	117.57	-893.48	928.43	919.00	9.43	98.415 CC, ES		
800.00	797.47	861.27	854.56	4.64	5.23	-132.36	109.55	-888.80	928.86	919.05	9.81	94.637		
902.00	897.58	974.60	965.72	4.98	5.75	-134.42	90.23	-878.31	931.56	920.91	10.65	87.436		
1,000.00	993.42	1,096.44	1,083.87	5.33	6.41	-137.06	64.07	-864.17	933.98	922.35	11.63	80.304		
1,100.00	1,091.22	1,205.72	1,188.66	5.71	7.07	-139.61	37.21	-848.71	935.34	922.71	12.63	74.035		
1,200.00	1,189.02	1,305.25	1,283.40	6.11	7.73	-142.05	10.74	-833.54	937.35	923.70	13.65	68.651		
1,300.00	1,286.82	1,402.39	1,375.53	6.53	8.40	-144.46	-15.81	-817.98	940.40	925.69	14.71	63.909		
1,400.00	1,384.62	1,497.64	1,465.94	6.95	9.08	-146.78	-41.34	-802.31	944.74	928.95	15.80	59.808		
1,500.00	1,482.42	1,594.69	1,558.14	7.38	9.79	-149.10	-66.87	-785.95	950.33	933.41	16.92	56.175		
1,600.00	1,580.22	1,681.70	1,640.78	7.83	10.43	-151.16	-89.78	-771.23	957.48	939.49	17.99	53.223		
1,700.00	1,678.03	1,781.48	1,735.65	8.27	11.17	-153.47	-115.66	-754.34	966.13	946.97	19.17	50.404		
1,800.00	1,775.83	1,873.79	1,823.64	8.72	11.85	-155.51	-138.65	-738.56	975.88	955.59	20.29	48.093		
1,900.00	1,873.63	1,964.95	1,910.86	9.18	12.51	-157.44	-160.29	-723.20	986.89	965.49	21.40	46.116		
2,000.00	1,971.43	2,036.93	1,979.64	9.64	13.04	-158.96	-178.17	-711.74	1,000.35	977.98	22.37	44.722		
2,100.00	2,069.23	2,112.36	2,051.65	10.11	13.60	-160.54	-197.82	-700.90	1,016.82	993.46	23.36	43.537		
2,200.00	2,167.03	2,203.90	2,139.21	10.57	14.27	-162.38	-221.60	-688.78	1,035.46	1,010.99	24.47	42.322		
2,300.00	2,264.83	2,317.68	2,248.08	11.04	15.11	-164.58	-250.45	-672.65	1,054.24	1,028.48	25.77	40.915		
2,400.00	2,362.63	2,407.45	2,333.95	11.52	15.77	-166.26	-272.85	-659.15	1,073.21	1,046.35	26.86	39.955		
2,500.00	2,460.43	2,495.26	2,417.92	11.99	16.43	-167.86	-294.99	-646.11	1,093.46	1,065.53	27.93	39.148		
2,600.00	2,558.23	2,588.25	2,506.91	12.47	17.12	-169.48	-318.21	-632.35	1,114.62	1,085.58	29.04	38.378		
2,700.00	2,656.03	2,661.00	2,576.31	12.94	17.67	-170.75	-337.39	-621.98	1,137.79	1,107.83	29.96	37.976		
2,800.00	2,753.83	2,746.44	2,657.37	13.42	18.35	-172.25	-361.51	-609.82	1,162.92	1,131.91	31.01	37.501		
2,900.00	2,851.63	2,857.53	2,762.68	13.90	19.22	-174.15	-392.64	-593.04	1,188.24	1,155.92	32.32	36.770		
3,000.00	2,949.43	2,948.31	2,849.51	14.38	19.91	-175.52	-415.63	-579.92	1,213.33	1,179.95	33.39	36.343		
3,100.00	3,047.23	3,014.00	2,912.20	14.87	20.41	-176.49	-433.11	-571.06	1,240.55	1,206.37	34.18	36.292		
3,200.00	3,145.03	3,115.10	3,008.48	15.35	21.19	-177.96	-460.89	-557.64	1,269.18	1,233.83	35.35	35.904		
3,300.00	3,242.83	3,240.09	3,128.31	15.83	22.12	-179.59	-492.13	-540.72	1,296.67	1,259.94	36.73	35.304		
3,400.00	3,340.63	3,347.71	3,232.09	16.32	22.88	179.15	-516.40	-525.83	1,322.91	1,285.02	37.90	34.907		
3,500.00	3,438.43	3,371.00	3,254.65	16.80	23.04	178.90	-521.31	-522.79	1,351.05	1,312.83	38.22	35.353		
3,600.00	3,536.23	3,371.00	3,254.65	17.29	23.04	178.90	-521.31	-522.79	1,385.66	1,347.52	38.14	36.329		
3,700.00	3,634.03	3,371.00	3,254.65	17.78	23.04	178.90	-521.31	-522.79	1,426.46	1,388.55	37.92	37.621		
3,800.00	3,731.83	3,858.52	3,589.21	18.26	26.63	170.67	-696.27	-411.92	1,465.39	1,422.67	42.73	34.298		
3,900.00	3,829.63	3,971.03	3,698.77	18.75	27.36	169.84	-717.07	-396.99	1,492.48	1,448.62	43.86	34.027		
4,000.00	3,927.43	4,064.68	3,790.41	19.24	27.93	169.26	-732.73	-385.79	1,519.15	1,474.35	44.81	33.906		
4,100.00	4,025.23	4,167.43	3,891.82	19.73	28.49	168.83	-747.03	-377.54	1,545.99	1,500.21	45.77	33.774		
4,200.00	4,123.03	4,269.93	3,993.45	20.22	28.98	168.54	-758.99	-371.74	1,572.43	1,525.74	46.70	33.672		
4,300.00	4,220.83	4,413.68	4,136.44	20.71	29.61	168.26	-771.55	-364.29	1,596.70	1,548.84	47.86	33.363		
4,400.00	4,318.63	4,525.30	4,247.85	21.20	30.04	168.21	-777.46	-360.82	1,619.59	1,570.83	48.77	33.212		
4,500.00	4,416.43	4,643.20	4,365.67	21.69	30.44	168.25	-781.10	-358.87	1,641.57	1,591.91	49.66	33.056		
4,600.00	4,514.23	4,757.11	4,479.58	22.18	30.75	168.42	-781.21	-358.76	1,661.99	1,611.51	50.48	32.924		
4,700.00	4,612.03	4,849.22	4,571.69	22.67	30.98	168.58	-780.78	-359.46	1,682.50	1,631.31	51.19	32.868		
4,800.00	4,709.83	4,948.47	4,670.92	23.16	31.22	168.77	-780.11	-360.75	1,703.19	1,651.26	51.93	32.800		
4,900.00	4,807.63	5,050.39	4,772.82	23.65	31.47	168.98	-778.92	-362.34	1,723.66	1,670.98	52.67	32.723		
5,000.00	4,905.43	5,148.82	4,871.22	24.14	31.71	169.20	-777.30	-364.29	1,744.00	1,690.59	53.41	32.655		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,003.23	5,246.81	4,969.15	24.63	31.95	169.43	-775.24	-366.80	1,764.35	1,710.22	54.14	32.591		
5,200.00	5,101.03	5,325.82	5,048.14	25.12	32.15	169.60	-774.26	-368.63	1,785.26	1,730.46	54.79	32.583		
5,300.00	5,198.83	5,413.70	5,135.99	25.62	32.39	169.75	-774.19	-370.45	1,806.95	1,751.45	55.49	32.563		
5,400.00	5,296.63	5,542.90	5,265.17	26.11	32.74	169.99	-773.19	-373.01	1,828.07	1,771.68	56.38	32.422		
5,500.00	5,394.43	5,666.68	5,388.91	26.60	33.07	170.22	-770.54	-374.46	1,847.66	1,790.41	57.24	32.278		
5,600.00	5,492.23	5,760.91	5,483.10	27.09	33.32	170.39	-767.98	-375.08	1,866.51	1,808.53	57.98	32.192		
5,700.00	5,590.03	5,839.08	5,561.24	27.58	33.53	170.53	-766.17	-376.10	1,886.10	1,827.45	58.65	32.159		
5,800.00	5,687.83	5,920.89	5,643.04	28.08	33.77	170.66	-765.46	-377.11	1,906.75	1,847.41	59.34	32.131		
5,900.00	5,785.63	6,010.64	5,732.78	28.57	34.07	170.72	-766.45	-376.80	1,927.98	1,867.88	60.10	32.079		
6,000.00	5,883.43	6,112.01	5,834.11	29.06	34.44	170.74	-768.84	-375.10	1,949.39	1,888.45	60.94	31.986		
6,100.00	5,981.23	6,224.38	5,946.47	29.56	34.83	170.82	-769.88	-374.28	1,970.27	1,908.43	61.84	31.862		
6,200.00	6,079.04	6,323.14	6,045.23	30.05	35.15	170.91	-769.89	-374.02	1,990.73	1,928.09	62.64	31.779		
6,300.00	6,176.84	6,420.17	6,142.26	30.54	35.45	171.02	-769.41	-374.53	2,011.28	1,947.86	63.42	31.712		
6,409.71	6,284.13	6,539.98	6,262.02	31.08	35.80	171.23	-766.85	-376.77	2,033.32	1,969.00	64.32	31.612		
6,450.00	6,323.71	6,580.54	6,302.54	31.28	35.91	-174.06	-765.56	-377.89	2,040.53	1,975.90	64.63	31.573		
6,500.00	6,373.15	6,631.36	6,353.30	31.50	36.05	-146.09	-763.74	-379.53	2,047.14	1,982.15	64.99	31.499		
6,550.00	6,422.65	6,688.46	6,410.32	31.70	36.21	-114.83	-761.45	-381.57	2,051.15	1,985.78	65.37	31.378		
6,600.00	6,471.92	6,768.85	6,490.62	31.89	36.43	-93.62	-758.10	-383.28	2,052.04	1,986.21	65.83	31.171		
6,650.00	6,520.65	6,801.24	6,522.99	32.07	36.53	-81.65	-756.96	-383.60	2,050.27	1,984.19	66.08	31.027		
6,700.00	6,568.54	6,837.13	6,558.86	32.25	36.63	-74.91	-756.03	-383.84	2,046.27	1,979.95	66.32	30.853		
6,750.00	6,615.30	6,868.77	6,590.50	32.43	36.73	-70.98	-755.51	-384.00	2,040.16	1,973.62	66.54	30.662		
6,800.00	6,660.63	6,897.39	6,619.12	32.61	36.82	-68.69	-755.26	-384.23	2,032.09	1,965.37	66.73	30.454		
6,850.00	6,704.26	6,925.02	6,646.74	32.80	36.91	-67.49	-755.23	-384.57	2,022.18	1,955.28	66.90	30.226		
6,900.00	6,745.92	6,956.47	6,678.19	33.00	37.01	-67.13	-755.39	-385.08	2,010.50	1,943.41	67.09	29.965		
6,950.00	6,785.34	6,993.80	6,715.51	33.21	37.13	-67.48	-755.52	-385.93	1,997.00	1,929.68	67.33	29.661		
7,000.00	6,822.30	7,029.42	6,751.11	33.44	37.24	-68.32	-755.53	-386.99	1,981.79	1,914.23	67.56	29.333		
7,050.00	6,856.55	7,071.89	6,793.55	33.69	37.37	-69.75	-755.30	-388.53	1,964.97	1,897.12	67.85	28.960		
7,100.00	6,887.90	7,111.52	6,833.14	33.97	37.49	-71.53	-754.78	-390.18	1,946.67	1,878.52	68.15	28.565		
7,150.00	6,916.14	7,152.79	6,874.36	34.28	37.61	-73.72	-753.82	-392.23	1,927.10	1,858.62	68.48	28.140		
7,200.00	6,941.10	7,192.31	6,913.76	34.62	37.72	-76.20	-752.31	-394.72	1,906.46	1,837.62	68.84	27.694		
7,250.00	6,962.63	7,225.58	6,946.90	35.00	37.81	-78.80	-750.64	-397.12	1,885.00	1,815.79	69.21	27.236		
7,300.00	6,980.59	7,251.92	6,973.15	35.43	37.88	-81.42	-749.29	-398.91	1,863.07	1,793.48	69.59	26.771		
7,350.00	6,994.88	7,273.16	6,994.33	35.89	37.94	-84.04	-748.19	-400.23	1,840.94	1,770.94	70.00	26.299		
7,400.00	7,005.41	7,289.35	7,010.46	36.39	37.99	-86.60	-747.36	-401.17	1,818.90	1,748.47	70.43	25.824		
7,450.00	7,012.10	7,300.56	7,021.64	36.93	38.02	-89.04	-746.78	-401.79	1,797.18	1,726.29	70.89	25.350		
7,500.00	7,014.93	7,306.91	7,027.98	37.50	38.03	-91.31	-746.45	-402.12	1,776.02	1,704.64	71.38	24.882		
7,517.56	7,015.00	7,308.02	7,029.08	37.70	38.04	-92.06	-746.40	-402.18	1,768.75	1,697.20	71.55	24.720		
7,600.00	7,014.21	7,311.97	7,033.02	38.74	38.05	-92.20	-746.18	-402.41	1,736.49	1,664.05	72.45	23.970		
7,700.00	7,013.24	7,316.99	7,038.03	40.15	38.06	-92.38	-745.91	-402.69	1,701.89	1,628.20	73.70	23.093		
7,800.00	7,012.28	7,322.08	7,043.10	41.71	38.08	-92.56	-745.64	-402.98	1,672.55	1,597.44	75.12	22.266		
7,900.00	7,011.31	7,327.22	7,048.22	43.40	38.09	-92.75	-745.36	-403.26	1,648.75	1,572.08	76.67	21.504		
8,000.00	7,010.35	7,332.42	7,053.40	45.21	38.10	-92.93	-745.08	-403.56	1,630.74	1,552.41	78.33	20.820		
8,100.00	7,009.38	7,337.68	7,058.65	47.12	38.12	-93.12	-744.78	-403.85	1,618.69	1,538.64	80.05	20.221		
8,200.00	7,008.42	7,343.00	7,063.95	49.12	38.13	-93.31	-744.49	-404.15	1,612.75	1,530.95	81.80	19.716		
8,246.16	7,007.97	7,345.47	7,066.42	50.08	38.14	-93.39	-744.35	-404.30	1,612.09	1,529.48	82.62	19.513		
8,300.00	7,007.45	7,348.38	7,069.31	51.21	38.15	-93.50	-744.18	-404.46	1,612.99	1,529.45	83.54	19.307		
8,400.00	7,006.49	7,353.82	7,074.74	53.36	38.16	-93.69	-743.87	-404.77	1,619.40	1,534.15	85.25	18.996		
8,500.00	7,005.52	7,359.33	7,080.23	55.57	38.18	-93.89	-743.55	-405.09	1,631.91	1,545.02	86.89	18.781		
8,600.00	7,004.56	7,364.90	7,085.78	57.84	38.19	-94.08	-743.23	-405.41	1,650.37	1,561.93	88.44	18.660		
8,700.00	7,003.59	7,370.53	7,091.40	60.16	38.21	-94.28	-742.90	-405.74	1,674.61	1,584.71	89.89	18.628 SF		
8,800.00	7,002.63	7,376.24	7,097.08	62.52	38.22	-94.49	-742.56	-406.07	1,704.35	1,613.12	91.23	18.682		
8,900.00	7,001.66	7,382.01	7,102.83	64.92	38.24	-94.69	-742.21	-406.41	1,739.33	1,646.89	92.45	18.814		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,000.70	7,387.85	7,108.65	67.35	38.26	-94.90	-741.86	-406.76	1,779.24	1,685.70	93.54	19.021		
9,100.00	6,999.73	7,393.77	7,114.55	69.81	38.27	-95.11	-741.50	-407.11	1,823.74	1,729.22	94.52	19.295		
9,200.00	6,998.77	7,399.75	7,120.51	72.31	38.29	-95.32	-741.13	-407.47	1,872.52	1,777.14	95.38	19.632		
9,300.00	6,997.80	7,405.81	7,126.54	74.82	38.30	-95.54	-740.75	-407.83	1,925.25	1,829.11	96.13	20.027		
9,400.00	6,996.84	7,411.94	7,132.65	77.36	38.32	-95.75	-740.37	-408.20	1,981.61	1,884.82	96.79	20.473		
9,500.00	6,995.88	7,418.15	7,138.84	79.92	38.34	-95.97	-739.97	-408.58	2,041.29	1,943.94	97.35	20.968		
9,600.00	6,994.91	7,424.44	7,145.10	82.49	38.36	-96.20	-739.57	-408.96	2,104.03	2,006.20	97.83	21.506		
9,700.00	6,993.95	7,430.80	7,151.44	85.09	38.37	-96.42	-739.15	-409.35	2,169.55	2,071.31	98.24	22.084		
9,800.00	6,992.98	9,800.00	7,137.27	87.70	45.02	-95.92	-740.12	-408.46	2,237.74	2,130.58	107.15	20.884		
9,900.00	6,992.02	7,408.00	7,128.73	90.32	38.31	-95.61	-740.61	-407.96	2,308.19	2,209.29	98.90	23.339		
10,000.00	6,991.05	7,408.00	7,128.73	92.95	38.31	-95.61	-740.61	-407.96	2,380.74	2,281.60	99.13	24.016		
10,100.00	6,990.09	7,408.00	7,128.73	95.60	38.31	-95.61	-740.61	-407.96	2,455.22	2,355.89	99.32	24.719		
10,200.00	6,989.12	7,408.00	7,128.73	98.26	38.31	-95.61	-740.61	-407.96	2,531.46	2,431.98	99.48	25.447		
10,300.00	6,988.16	7,408.00	7,128.73	100.92	38.31	-95.61	-740.61	-407.96	2,609.31	2,509.71	99.60	26.199		
10,400.00	6,987.19	7,408.00	7,128.73	103.60	38.31	-95.61	-740.61	-407.96	2,688.62	2,588.93	99.69	26.970		
10,500.00	6,986.23	7,408.00	7,128.73	106.28	38.31	-95.61	-740.61	-407.96	2,769.27	2,669.52	99.75	27.761		
10,600.00	6,985.26	7,408.00	7,128.73	108.98	38.31	-95.61	-740.61	-407.96	2,851.15	2,751.35	99.80	28.569		
10,700.00	6,984.30	7,408.00	7,128.73	111.68	38.31	-95.61	-740.61	-407.96	2,934.15	2,834.33	99.83	29.393		
10,800.00	6,983.33	7,408.00	7,128.73	114.38	38.31	-95.61	-740.61	-407.96	3,018.18	2,918.35	99.84	30.231		
10,900.00	6,982.37	7,408.00	7,128.73	117.09	38.31	-95.61	-740.61	-407.96	3,103.16	3,003.33	99.84	31.082		
11,000.00	6,981.40	7,408.00	7,128.73	119.81	38.31	-95.61	-740.61	-407.96	3,189.01	3,089.19	99.82	31.946		
11,100.00	6,980.44	7,408.00	7,128.73	122.54	38.31	-95.61	-740.61	-407.96	3,275.67	3,175.86	99.80	32.821		
11,200.00	6,979.47	7,408.00	7,128.73	125.26	38.31	-95.61	-740.61	-407.96	3,363.06	3,263.29	99.78	33.706		
11,300.00	6,978.51	7,408.00	7,128.73	128.00	38.31	-95.61	-740.61	-407.96	3,451.14	3,351.40	99.74	34.601		
11,400.00	6,977.54	7,408.00	7,128.73	130.73	38.31	-95.61	-740.61	-407.96	3,539.86	3,440.15	99.70	35.504		
11,500.00	6,976.58	7,408.00	7,128.73	133.48	38.31	-95.61	-740.61	-407.96	3,629.16	3,529.50	99.66	36.415		
11,600.00	6,975.62	7,408.00	7,128.73	136.22	38.31	-95.61	-740.61	-407.96	3,719.00	3,619.39	99.61	37.334		
11,700.00	6,974.65	7,408.00	7,128.73	138.97	38.31	-95.61	-740.61	-407.96	3,809.35	3,709.78	99.57	38.260		
11,800.00	6,973.69	7,408.00	7,128.73	141.73	38.31	-95.61	-740.61	-407.96	3,900.17	3,800.66	99.52	39.192		
11,900.00	6,972.72	7,408.00	7,128.73	144.48	38.31	-95.61	-740.61	-407.96	3,991.43	3,891.97	99.46	40.129		
12,000.00	6,971.76	7,408.00	7,128.73	147.24	38.31	-95.61	-740.61	-407.96	4,083.10	3,983.69	99.41	41.072		
12,100.00	6,970.79	7,408.00	7,128.73	150.00	38.31	-95.61	-740.61	-407.96	4,175.15	4,075.79	99.36	42.020		
12,200.00	6,969.83	7,408.00	7,128.73	152.77	38.31	-95.61	-740.61	-407.96	4,267.56	4,168.25	99.31	42.973		
12,300.00	6,968.86	7,408.00	7,128.73	155.54	38.31	-95.61	-740.61	-407.96	4,360.31	4,261.05	99.26	43.929		
12,400.00	6,967.90	7,408.00	7,128.73	158.31	38.31	-95.61	-740.61	-407.96	4,453.37	4,354.16	99.21	44.890		
12,500.00	6,966.93	7,408.00	7,128.73	161.08	38.31	-95.61	-740.61	-407.96	4,546.72	4,447.56	99.16	45.854		
12,600.00	6,965.97	7,408.00	7,128.73	163.85	38.31	-95.61	-740.61	-407.96	4,640.35	4,541.24	99.11	46.822		
12,700.00	6,965.00	7,408.00	7,128.73	166.63	38.31	-95.61	-740.61	-407.96	4,734.24	4,635.18	99.06	47.792		
12,800.00	6,964.04	7,408.00	7,128.73	169.41	38.31	-95.61	-740.61	-407.96	4,828.38	4,729.37	99.01	48.765		
12,900.00	6,963.07	7,408.00	7,128.73	172.19	38.31	-95.61	-740.61	-407.96	4,922.75	4,823.78	98.97	49.741		
13,000.00	6,962.11	7,408.00	7,128.73	174.97	38.31	-95.61	-740.61	-407.96	5,017.33	4,918.41	98.92	50.719		
13,100.00	6,961.14	7,408.00	7,128.73	177.76	38.31	-95.61	-740.61	-407.96	5,112.12	5,013.24	98.88	51.700		
13,200.00	6,960.18	7,408.00	7,128.73	180.54	38.31	-95.61	-740.61	-407.96	5,207.11	5,108.27	98.84	52.682		
13,300.00	6,959.21	7,408.00	7,128.73	183.33	38.31	-95.61	-740.61	-407.96	5,302.28	5,203.48	98.80	53.666		
13,400.00	6,958.25	7,408.00	7,128.73	186.12	38.31	-95.61	-740.61	-407.96	5,397.63	5,298.86	98.76	54.652		
13,500.00	6,957.28	7,408.00	7,128.73	188.91	38.31	-95.61	-740.61	-407.96	5,493.14	5,394.41	98.73	55.639		
13,600.00	6,956.32	7,408.00	7,128.73	191.70	38.31	-95.61	-740.61	-407.96	5,588.81	5,490.11	98.69	56.628		
13,700.00	6,955.35	7,408.00	7,128.73	194.49	38.31	-95.61	-740.61	-407.96	5,684.62	5,585.96	98.66	57.617		
13,800.00	6,954.39	7,408.00	7,128.73	197.29	38.31	-95.61	-740.61	-407.96	5,780.58	5,681.95	98.63	58.608		
13,900.00	6,953.43	7,408.00	7,128.73	200.08	38.31	-95.61	-740.61	-407.96	5,876.68	5,778.07	98.60	59.600		
14,000.00	6,952.46	7,408.00	7,128.73	202.88	38.31	-95.61	-740.61	-407.96	5,972.90	5,874.32	98.58	60.592		
14,100.00	6,951.50	7,408.00	7,128.73	205.68	38.31	-95.61	-740.61	-407.96	6,069.24	5,970.69	98.55	61.586		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 32N-6C-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 32N-6C-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	6,950.53	7,408.00	7,128.73	208.48	38.31	-95.61	-740.61	-407.96	6,165.70	6,067.18	98.53	62.579		
14,300.00	6,949.57	7,408.00	7,128.73	211.28	38.31	-95.61	-740.61	-407.96	6,262.28	6,163.77	98.50	63.574		
14,400.00	6,948.60	7,408.00	7,128.73	214.08	38.31	-95.61	-740.61	-407.96	6,358.95	6,260.47	98.48	64.568		
14,500.00	6,947.64	7,408.00	7,128.73	216.88	38.31	-95.61	-740.61	-407.96	6,455.73	6,357.27	98.47	65.563		
14,600.00	6,946.67	7,408.00	7,128.73	219.68	38.31	-95.61	-740.61	-407.96	6,552.61	6,454.16	98.45	66.559		
14,700.00	6,945.71	7,408.00	7,128.73	222.49	38.31	-95.61	-740.61	-407.96	6,649.58	6,551.14	98.43	67.554		
14,800.00	6,944.74	7,408.00	7,128.73	225.29	38.31	-95.61	-740.61	-407.96	6,746.63	6,648.21	98.42	68.550		
14,900.00	6,943.78	7,408.00	7,128.73	228.10	38.31	-95.61	-740.61	-407.96	6,843.77	6,745.37	98.41	69.545		
15,000.00	6,942.81	7,408.00	7,128.73	230.90	38.31	-95.61	-740.61	-407.96	6,941.00	6,842.60	98.40	70.540		
15,100.00	6,941.85	7,408.00	7,128.73	233.71	38.31	-95.61	-740.61	-407.96	7,038.30	6,939.91	98.39	71.536		
15,200.00	6,940.88	7,408.00	7,128.73	236.52	38.31	-95.61	-740.61	-407.96	7,135.67	7,037.29	98.38	72.531		
15,300.00	6,939.92	7,408.00	7,128.73	239.32	38.31	-95.61	-740.61	-407.96	7,233.12	7,134.74	98.38	73.525		
15,400.00	6,938.95	7,408.00	7,128.73	242.13	38.31	-95.61	-740.61	-407.96	7,330.63	7,232.26	98.37	74.520		
15,500.00	6,937.99	7,408.00	7,128.73	244.94	38.31	-95.61	-740.61	-407.96	7,428.21	7,329.85	98.37	75.514		
15,600.00	6,937.02	7,408.00	7,128.73	247.75	38.31	-95.61	-740.61	-407.96	7,525.86	7,427.49	98.37	76.507		
15,706.13	6,936.00	7,408.00	7,128.73	250.74	38.31	-95.61	-740.61	-407.96	7,629.55	7,531.19	98.37	77.561		

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

Local Co-ordinate Reference: Well Boomerang 32N-6C-M
TVD Reference: GL 4770+KB 20 @ 4790.00ft
MD Reference: GL 4770+KB 20 @ 4790.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

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

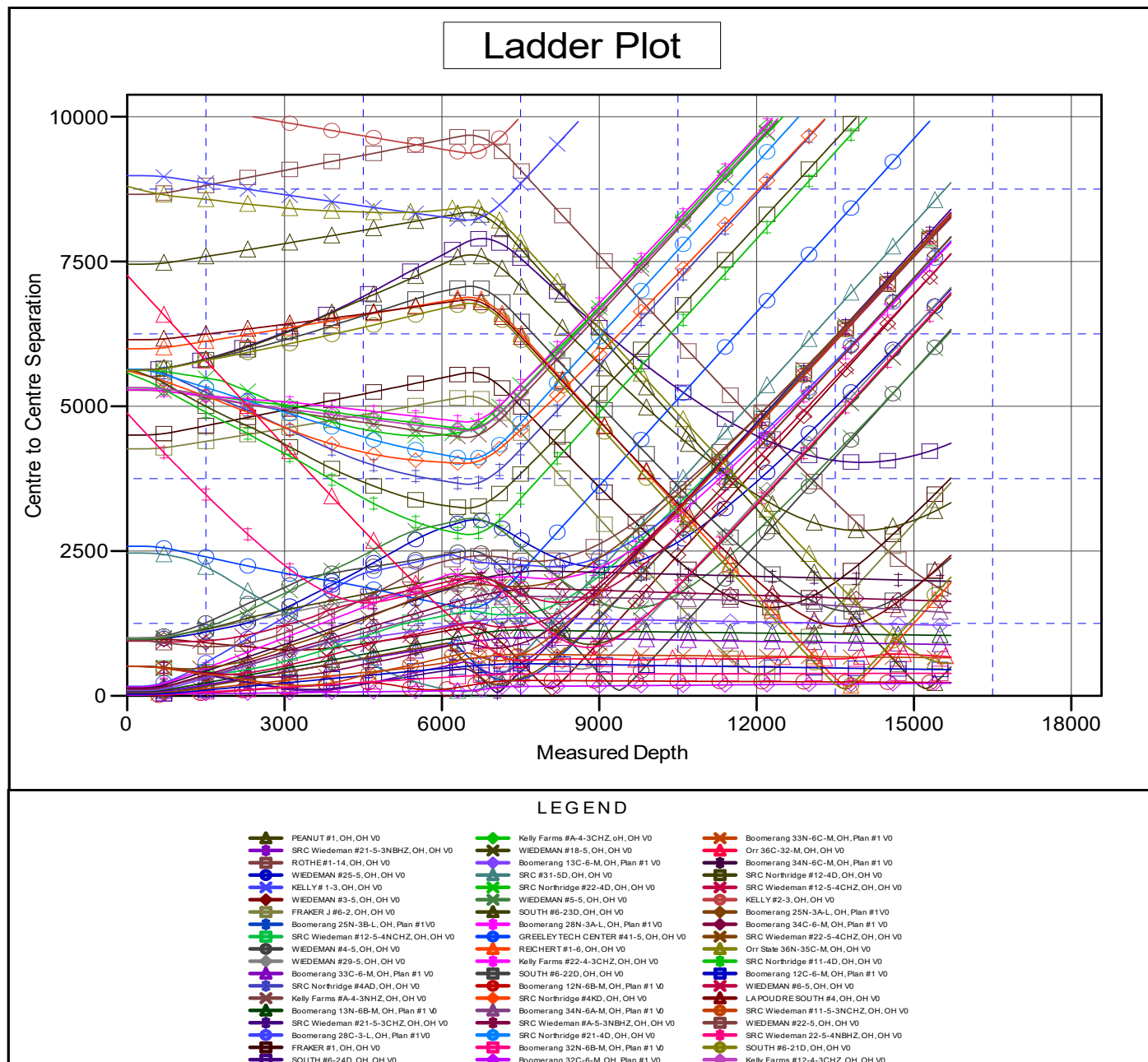
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

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

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°



Company: Synergy Resources Corporation
Project: SEC 5-T5N-R66W
Reference Site: Boomerang 21-5
Site Error: 3.28 ft
Reference Well: Boomerang 32N-6C-M
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TVD Reference: GL 4770+KB 20 @ 4790.00ft
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Reference Depths are relative to GL 4770+KB 20 @ 4790.00ft

Offset Depths are relative to Offset Datum

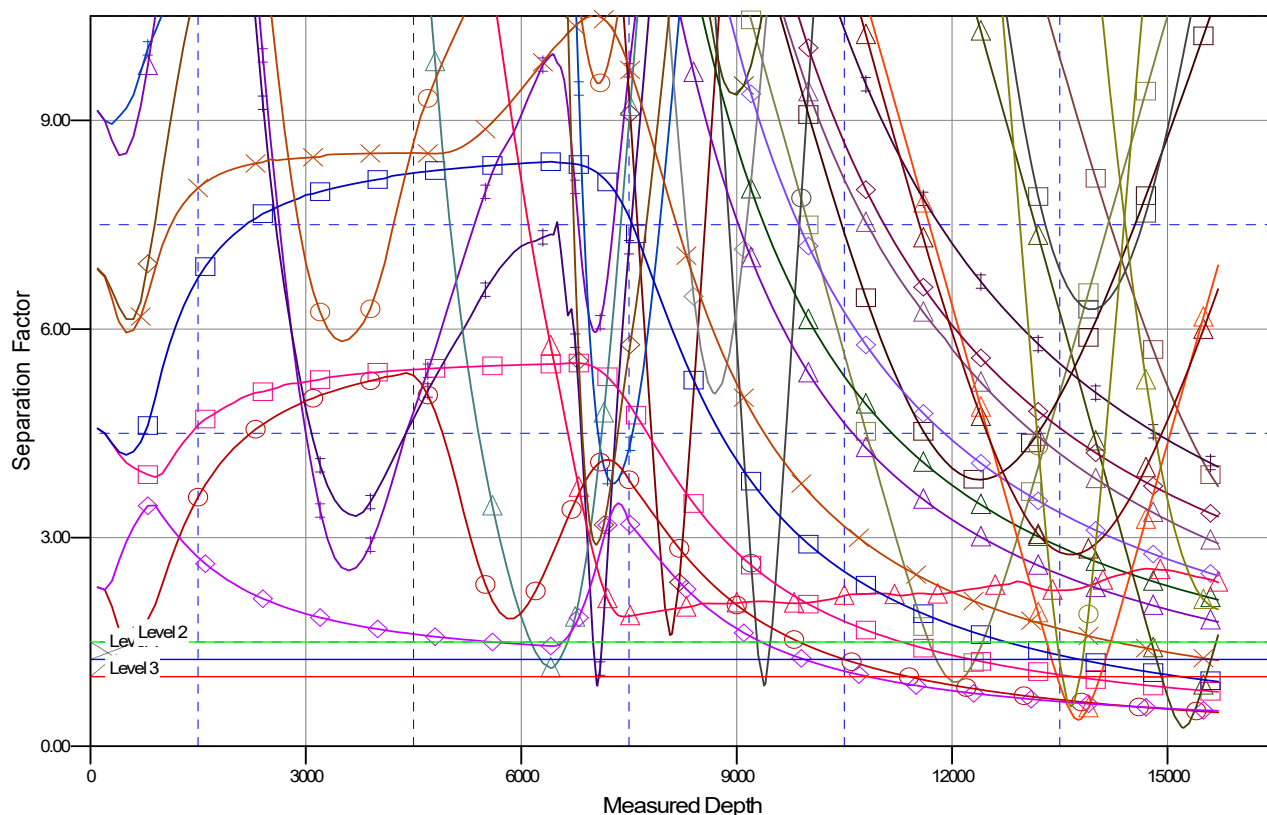
Central Meridian is -105.5000000

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

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

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