



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 33C-6-M

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	15,648.41	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	29.99	23.10	4.353	CC
Boomerang 12C-6-M - OH - Plan #1	15,645.57	15,711.54	438.14	-58.69	0.882	Level 1, ES, SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	45.00	38.33	6.743	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	15,648.52	15,618.10	683.94	201.77	1.418	Level 3, SF
Boomerang 13C-6-M - OH - Plan #1	300.00	300.00	30.03	23.14	4.359	CC
Boomerang 13C-6-M - OH - Plan #1	15,648.52	15,680.15	336.19	-159.68	0.678	Level 1, ES, SF
Boomerang 13N-6B-M - OH - Plan #1	206.03	206.03	15.03	8.35	2.249	CC
Boomerang 13N-6B-M - OH - Plan #1	15,648.52	15,453.32	246.59	-104.98	0.701	Level 1, ES, SF
Boomerang 25N-3A-L - OH - Plan #1	300.00	300.00	105.17	98.28	15.265	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	500.00	492.54	111.51	103.89	14.637	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	120.06	113.39	17.989	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	400.00	391.73	126.59	119.36	17.521	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	105.06	98.39	15.742	CC, ES
Boomerang 28C-3-L - OH - Plan #1	300.00	296.46	106.73	99.84	15.490	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	90.06	83.39	13.494	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	300.00	296.97	91.72	84.83	13.310	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	75.03	68.36	11.242	CC, ES
Boomerang 32C-6-M - OH - Plan #1	15,648.52	15,846.35	1,063.08	564.15	2.131	SF
Boomerang 32N-6B-M - OH - Plan #1	300.00	300.00	90.03	83.14	13.068	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	15,648.52	15,738.53	1,274.74	778.86	2.571	SF
Boomerang 32N-6C-M - OH - Plan #1	300.00	300.00	60.03	53.14	8.713	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	15,648.52	15,706.13	885.01	390.02	1.788	SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	15.00	8.33	2.248	CC
Boomerang 33N-6C-M - OH - Plan #1	15,648.52	15,595.41	248.98	-224.44	0.526	Level 1, ES, SF
Boomerang 34C-6-M - OH - Plan #1	300.00	300.00	60.03	53.14	8.713	CC, ES
Boomerang 34C-6-M - OH - Plan #1	15,648.52	15,639.56	749.74	257.62	1.523	SF
Boomerang 34N-6A-M - OH - Plan #1	300.00	300.00	45.03	38.14	6.536	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	15,648.52	15,335.52	621.50	179.24	1.405	Level 3, SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	75.06	68.39	11.247	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	15,648.52	15,502.14	1,108.61	621.08	2.274	SF
FRAKER #1 - OH - OH	12,166.18	7,100.51	596.21	200.03	1.505	CC, ES
FRAKER #1 - OH - OH	12,200.00	7,100.11	597.17	200.31	1.505	SF
FRAKER J #6-2 - OH - OH	11,957.91	7,058.93	574.29	185.35	1.477	Level 3, CC, ES, SF
GREELEY TECH CENTER #41-5 - OH - OH	6,560.98	6,515.30	1,881.83	1,824.29	32.704	CC, ES
GREELEY TECH CENTER #41-5 - OH - OH	6,750.00	6,694.56	1,907.00	1,848.02	32.336	SF
KELLY # 1-3 - OH - OH	6,560.98	6,480.03	8,182.58	7,928.85	32.249	CC
KELLY # 1-3 - OH - OH	6,600.00	6,519.02	8,183.77	7,928.52	32.063	ES

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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						
KELLY # 1-3 - OH - OH	7,100.00	6,956.70	8,396.03	8,124.35	30.904	SF
KELLY #2-3 - OH - OH	6,560.16	6,463.21	9,498.79	9,245.58	37.513	CC
KELLY #2-3 - OH - OH	6,600.00	6,503.02	9,500.03	9,245.28	37.290	ES
KELLY #2-3 - OH - OH	7,150.00	6,972.29	9,752.78	9,480.44	35.811	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,542.57	6,342.00	4,473.40	4,417.17	79.553	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,800.00	6,431.00	4,529.74	4,472.26	78.801	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,551.54	6,413.06	4,580.66	4,523.61	80.288	CC, ES
Kelly Farms #22-4-3CHZ - OH - OH	6,800.00	6,476.57	4,631.97	4,573.76	79.569	SF
Kelly Farms #A-4-3CHZ - oH - OH	6,551.25	6,430.73	4,545.41	4,488.12	79.344	CC, ES
Kelly Farms #A-4-3CHZ - oH - OH	6,800.00	6,530.00	4,597.71	4,539.13	78.485	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,529.01	6,260.00	4,449.95	4,392.10	76.916	CC, ES
Kelly Farms #A-4-3NHZ - OH - OH	6,650.00	6,260.00	4,463.02	4,404.70	76.534	SF
LA POUDRE SOUTH #4 - OH - OH	13,535.37	7,107.58	2,107.32	1,672.73	4.849	CC
LA POUDRE SOUTH #4 - OH - OH	13,600.00	7,106.83	2,108.31	1,672.02	4.832	ES
LA POUDRE SOUTH #4 - OH - OH	13,700.00	7,105.67	2,113.74	1,675.17	4.820	SF
Orr 36C-32-M - OH - OH	7,300.00	16,173.50	1,608.07	1,275.91	4.841	SF
Orr 36C-32-M - OH - OH	15,648.52	7,732.61	1,532.15	1,246.14	5.357	CC, ES
Orr State 36N-35C-M - OH - OH	15,648.52	7,447.00	1,448.72	1,165.97	5.124	CC, ES, SF
PEANUT #1 - OH - OH	15,143.65	7,042.87	758.31	280.81	1.588	CC, ES, SF
REICHERT #1-6 - OH - OH	13,677.69	7,107.92	741.48	302.89	1.691	CC
REICHERT #1-6 - OH - OH	13,700.00	7,107.67	741.81	302.69	1.689	ES, SF
ROTHE #1-14 - OH - OH	15,648.52	7,083.00	1,002.92	575.82	2.348	CC, ES, SF
SOUTH #6-21D - OH - OH	13,579.20	7,350.00	782.23	558.51	3.496	CC
SOUTH #6-21D - OH - OH	13,600.00	7,350.00	782.51	558.03	3.486	ES, SF
SOUTH #6-22D - OH - OH	13,721.33	7,145.32	546.47	320.51	2.418	CC, ES, SF
SOUTH #6-23D - OH - OH	13,857.88	7,179.20	1,952.05	1,720.19	8.419	CC
SOUTH #6-23D - OH - OH	13,900.00	7,179.22	1,952.50	1,719.32	8.373	ES
SOUTH #6-23D - OH - OH	14,100.00	7,179.30	1,967.01	1,728.81	8.258	SF
SOUTH #6-24D - OH - OH	13,946.33	6,432.27	3,218.19	2,991.85	14.219	CC
SOUTH #6-24D - OH - OH	14,100.00	6,447.52	3,221.80	2,989.98	13.898	ES
SOUTH #6-24D - OH - OH	15,000.00	6,596.34	3,383.94	3,126.48	13.144	SF
SRC #31-5D - OH - OH	6,485.09	6,668.46	868.70	809.08	14.570	CC
SRC #31-5D - OH - OH	6,500.00	6,680.62	868.76	809.06	14.552	ES
SRC #31-5D - OH - OH	6,850.00	7,029.64	887.40	824.66	14.145	SF
SRC Northridge #11-4D - OH - OH	6,569.41	7,022.05	2,974.29	2,849.42	23.819	CC, ES
SRC Northridge #11-4D - OH - OH	6,650.00	7,094.41	2,979.37	2,854.09	23.782	SF
SRC Northridge #12-4D - OH - OH	6,565.78	6,787.67	3,037.81	2,975.03	48.388	CC, ES
SRC Northridge #12-4D - OH - OH	6,750.00	6,983.32	3,063.97	2,999.94	47.853	SF
SRC Northridge #21-4D - OH - OH	6,567.01	6,736.58	4,255.91	4,181.98	57.568	CC, ES
SRC Northridge #21-4D - OH - OH	6,800.00	6,976.55	4,297.70	4,222.36	57.038	SF
SRC Northridge #22-4D - OH - OH	5,672.78	5,065.90	4,387.22	4,342.30	97.672	CC
SRC Northridge #22-4D - OH - OH	5,700.00	5,065.90	4,387.30	4,342.30	97.485	ES
SRC Northridge #22-4D - OH - OH	6,400.00	5,065.90	4,447.08	4,400.44	95.341	SF
SRC Northridge #4AD - OH - OH	6,580.04	6,774.06	3,618.20	3,552.12	54.757	CC, ES
SRC Northridge #4AD - OH - OH	6,750.00	6,944.75	3,640.32	3,573.12	54.167	SF
SRC Northridge #4KD - OH - OH	6,558.91	6,674.38	3,673.38	3,590.96	44.572	CC, ES
SRC Northridge #4KD - OH - OH	6,700.00	6,819.38	3,687.52	3,604.34	44.336	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	2,828.41	2,794.82	255.46	229.89	9.992	CC
SRC Wiedeman #11-5-3NCHZ - OH - OH	2,900.00	2,865.17	255.91	229.71	9.767	ES
SRC Wiedeman #11-5-3NCHZ - OH - OH	7,000.00	7,010.55	379.43	317.00	6.078	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	3,279.98	3,251.92	130.19	100.30	4.356	CC
SRC Wiedeman #12-5-4CHZ - OH - OH	3,300.00	3,271.70	130.24	100.18	4.332	ES
SRC Wiedeman #12-5-4CHZ - OH - OH	7,150.00	7,090.96	187.04	123.53	2.945	SF

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
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Reference Well:	Boomerang 33C-6-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 #12-5-4NCHZ - OH - OH	2,869.75	2,841.39	199.45	173.05	7.556	CC
SRC Wiedeman #12-5-4NCHZ - OH - OH	2,900.00	2,870.79	199.57	172.91	7.486	ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	7,114.67	7,106.67	406.56	342.99	6.396	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	1,851.47	1,807.17	419.63	402.05	23.874	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	1,900.00	1,852.09	419.90	401.92	23.349	ES
SRC Wiedeman #21-5-3CHZ - OH - OH	7,050.00	7,059.51	1,045.92	982.07	16.379	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	2,438.53	2,397.34	311.92	289.74	14.065	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	2,500.00	2,457.66	312.43	289.70	13.750	ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	6,950.00	6,984.48	603.03	540.79	9.689	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	2,077.40	2,042.52	348.17	328.16	17.403	CC
SRC Wiedeman #22-5-4CHZ - OH - OH	2,100.00	2,063.32	348.26	328.06	17.245	ES
SRC Wiedeman #22-5-4CHZ - OH - OH	7,350.00	7,132.09	898.54	832.46	13.598	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	3,272.73	3,244.40	109.20	79.63	3.693	CC, ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	6,957.65	6,987.64	160.87	98.59	2.583	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,708.23	2,372.34	117.44	49.20	1.721	CC, ES, SF
WIEDEMAN #18-5 - OH - OH	8,743.04	7,133.78	92.80	3.16	1.035	Level 2, CC, ES, SF
WIEDEMAN #22-5 - OH - OH	2,379.37	2,527.39	788.48	761.66	29.399	CC
WIEDEMAN #22-5 - OH - OH	2,500.00	2,646.89	789.26	760.62	27.558	ES
WIEDEMAN #22-5 - OH - OH	7,674.10	7,523.49	1,322.67	1,245.21	17.074	SF
WIEDEMAN #25-5 - OH - OH	100.00	60.64	980.00	973.42	149.097	CC, ES
WIEDEMAN #25-5 - OH - OH	9,300.00	7,395.28	1,293.39	1,186.79	12.132	SF
WIEDEMAN #29-5 - OH - OH	100.00	59.88	1,017.83	1,011.26	154.859	CC, ES
WIEDEMAN #29-5 - OH - OH	9,000.00	7,221.36	1,501.29	1,405.79	15.721	SF
WIEDEMAN #3-5 - OH - OH	7,996.04	7,171.85	869.08	791.75	11.239	CC
WIEDEMAN #3-5 - OH - OH	8,000.00	7,171.90	869.09	791.70	11.231	ES
WIEDEMAN #3-5 - OH - OH	8,100.00	7,173.17	875.27	796.53	11.116	SF
WIEDEMAN #4-5 - OH - OH	9,301.26	7,183.13	878.69	771.96	8.232	CC, ES
WIEDEMAN #4-5 - OH - OH	9,400.00	7,181.48	884.22	774.95	8.092	SF
WIEDEMAN #5-5 - OH - OH	9,497.62	7,283.87	532.24	418.13	4.664	CC
WIEDEMAN #5-5 - OH - OH	9,500.00	7,283.90	532.24	418.04	4.660	ES
WIEDEMAN #5-5 - OH - OH	9,600.00	7,285.46	541.99	424.88	4.628	SF
WIEDEMAN #6-5 - OH - OH	8,149.08	7,420.29	615.42	536.71	7.819	CC, ES
WIEDEMAN #6-5 - OH - OH	8,200.00	7,422.87	617.52	538.47	7.812	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	5.33	29.86	2.78	29.99					
100.00	100.00	100.00	100.00	3.28	3.28	5.33	29.86	2.78	29.99	23.42	6.57	4.566		
200.00	200.00	200.00	200.00	3.34	3.34	5.33	29.86	2.78	29.99	23.32	6.67	4.494		
300.00	300.00	300.00	300.00	3.44	3.44	5.33	29.86	2.78	29.99	23.10	6.89	4.353	CC	
400.00	399.98	399.49	399.47	3.60	3.60	-86.56	30.55	4.37	30.71	23.51	7.20	4.264		
500.00	499.84	498.96	498.80	3.80	3.80	-87.63	32.60	9.12	32.87	25.27	7.60	4.324		
600.00	599.45	598.35	597.81	4.04	4.04	-89.12	36.02	17.03	36.49	28.41	8.08	4.514		
682.50	681.36	680.28	679.17	4.26	4.27	-90.46	39.85	25.92	40.58	32.05	8.53	4.755		
700.00	698.71	697.65	696.38	4.32	4.32	-90.70	40.79	28.08	41.58	32.95	8.63	4.815		
800.00	797.82	802.80	794.79	4.62	4.64	-90.23	46.70	41.78	47.88	38.61	9.27	5.167		
900.00	896.93	903.01	893.41	4.95	4.97	-89.56	52.75	55.79	54.31	44.37	9.93	5.468		

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 33C-6-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		
1,000.00	996.04	1,003.22	992.03	5.30	5.33	-89.04	58.80	69.81	60.74	50.10	10.64	5.710		
1,100.00	1,095.15	1,103.43	1,090.64	5.67	5.70	-88.62	64.85	83.83	67.18	55.81	11.38	5.905		
1,200.00	1,194.26	1,203.64	1,189.26	6.05	6.09	-88.27	70.90	97.84	73.63	61.48	12.14	6.063		
1,300.00	1,293.37	1,303.85	1,287.88	6.45	6.49	-87.98	76.95	111.86	80.07	67.14	12.93	6.191		
1,400.00	1,392.48	1,404.06	1,386.49	6.85	6.90	-87.73	83.00	125.88	86.52	72.78	13.74	6.296		
1,500.00	1,491.59	1,495.73	1,485.11	7.26	7.28	-87.51	89.05	139.89	92.97	78.44	14.53	6.399		
1,600.00	1,590.70	1,604.47	1,583.73	7.68	7.73	-87.33	95.11	153.91	99.42	84.02	15.40	6.455		
1,700.00	1,689.81	1,704.68	1,682.34	8.10	8.16	-87.16	101.16	167.93	105.87	89.62	16.25	6.515		
1,800.00	1,788.92	1,804.89	1,780.96	8.53	8.59	-87.02	107.21	181.94	112.32	95.21	17.11	6.566		
1,900.00	1,888.03	1,905.10	1,879.58	8.96	9.03	-86.89	113.26	195.96	118.77	100.80	17.97	6.609		
2,000.00	1,987.14	2,005.31	1,978.19	9.39	9.47	-86.77	119.31	209.97	125.22	106.38	18.84	6.646		
2,100.00	2,086.25	2,105.52	2,076.81	9.83	9.91	-86.67	125.36	223.99	131.68	111.96	19.72	6.677		
2,200.00	2,185.36	2,205.73	2,175.43	10.27	10.36	-86.57	131.41	238.01	138.13	117.53	20.60	6.704		
2,300.00	2,284.47	2,305.94	2,274.04	10.71	10.81	-86.49	137.46	252.02	144.58	123.09	21.49	6.728		
2,400.00	2,383.58	2,406.14	2,372.66	11.15	11.26	-86.41	143.51	266.04	151.04	128.66	22.38	6.748		
2,500.00	2,482.69	2,506.35	2,471.28	11.60	11.71	-86.34	149.56	280.06	157.49	134.21	23.28	6.766		
2,600.00	2,581.80	2,606.56	2,569.89	12.05	12.16	-86.27	155.61	294.07	163.95	139.77	24.18	6.781		
2,700.00	2,680.91	2,706.77	2,668.51	12.50	12.62	-86.21	161.67	308.09	170.40	145.32	25.08	6.795		
2,800.00	2,780.02	2,806.98	2,767.13	12.95	13.07	-86.15	167.72	322.11	176.86	150.87	25.98	6.807		
2,900.00	2,879.13	2,907.19	2,865.74	13.40	13.53	-86.10	173.77	336.12	183.31	156.42	26.89	6.817		
3,000.00	2,978.24	3,007.40	2,964.36	13.85	13.99	-86.05	179.82	350.14	189.77	161.97	27.80	6.827		
3,100.00	3,077.35	3,107.60	3,062.98	14.30	14.45	-86.00	185.87	364.15	196.22	167.52	28.71	6.835		
3,200.00	3,176.46	3,207.81	3,161.59	14.76	14.91	-85.96	191.92	378.17	202.68	173.06	29.62	6.843		
3,300.00	3,275.57	3,308.02	3,260.21	15.21	15.37	-85.92	197.97	392.19	209.14	178.60	30.53	6.849		
3,400.00	3,374.68	3,408.23	3,358.83	15.67	15.83	-85.88	204.02	406.20	215.59	184.14	31.45	6.855		
3,500.00	3,473.79	3,508.44	3,457.44	16.12	16.29	-85.84	210.07	420.22	222.05	189.68	32.36	6.861		
3,600.00	3,572.90	3,591.35	3,556.06	16.58	16.68	-85.81	216.12	434.24	228.50	195.30	33.20	6.882		
3,700.00	3,672.01	3,708.86	3,654.68	17.04	17.22	-85.78	222.17	448.25	234.96	200.76	34.20	6.870		
3,800.00	3,771.12	3,809.07	3,753.29	17.50	17.68	-85.75	228.23	462.27	241.42	206.29	35.12	6.874		
3,900.00	3,870.23	3,909.27	3,851.91	17.95	18.15	-85.72	234.28	476.28	247.87	211.83	36.04	6.878		
4,000.00	3,969.34	4,009.48	3,950.53	18.41	18.61	-85.69	240.33	490.30	254.33	217.37	36.96	6.881		
4,100.00	4,068.45	4,109.69	4,049.14	18.87	19.08	-85.66	246.38	504.32	260.78	222.90	37.88	6.884		
4,200.00	4,167.56	4,209.90	4,147.76	19.33	19.54	-85.64	252.43	518.33	267.24	228.43	38.81	6.886		
4,300.00	4,266.67	4,289.89	4,246.38	19.79	19.91	-85.62	258.48	532.35	273.70	234.06	39.64	6.905		
4,400.00	4,365.78	4,389.68	4,344.99	20.25	20.38	-85.59	264.53	546.37	280.15	239.59	40.56	6.907		
4,500.00	4,464.89	4,489.47	4,443.61	20.71	20.84	-85.57	270.58	560.38	286.61	245.13	41.48	6.909		
4,600.00	4,564.00	4,589.26	4,542.22	21.17	21.31	-85.55	276.63	574.40	293.07	250.66	42.41	6.911		
4,700.00	4,663.11	4,689.06	4,640.84	21.63	21.77	-85.53	282.68	588.42	299.52	256.19	43.33	6.913		
4,800.00	4,762.22	4,788.85	4,739.46	22.09	22.24	-85.51	288.73	602.43	305.98	261.73	44.25	6.914		
4,900.00	4,861.33	4,888.64	4,838.07	22.56	22.70	-85.50	294.79	616.45	312.44	267.26	45.18	6.916		
5,000.00	4,960.44	4,988.43	4,936.69	23.02	23.17	-85.48	300.84	630.46	318.89	272.79	46.10	6.917		
5,100.00	5,059.55	5,088.22	5,035.31	23.48	23.64	-85.46	306.89	644.48	325.35	278.32	47.03	6.918		
5,200.00	5,158.66	5,188.01	5,133.92	23.94	24.10	-85.45	312.94	658.50	331.81	283.85	47.96	6.919		
5,300.00	5,257.77	5,287.80	5,232.54	24.40	24.57	-85.43	318.99	672.51	338.26	289.38	48.88	6.920		
5,400.00	5,356.88	5,387.60	5,331.16	24.87	25.03	-85.42	325.04	686.53	344.72	294.91	49.81	6.921		
5,500.00	5,455.99	5,487.39	5,429.77	25.33	25.50	-85.40	331.09	700.55	351.18	300.44	50.74	6.922		
5,600.00	5,555.10	5,587.18	5,528.39	25.79	25.97	-85.39	337.14	714.56	357.63	305.97	51.66	6.922		
5,700.00	5,654.21	5,686.97	5,627.01	26.25	26.43	-85.37	343.19	728.58	364.09	311.50	52.59	6.923		
5,800.00	5,753.32	5,786.76	5,725.62	26.72	26.90	-85.36	349.24	742.59	370.55	317.03	53.52	6.924		
5,900.00	5,852.43	5,886.55	5,824.24	27.18	27.37	-85.35	355.29	756.61	377.00	322.56	54.45	6.924		
6,000.00	5,951.54	5,986.34	5,922.86	27.64	27.84	-85.34	361.35	770.63	383.46	328.08	55.38	6.925		
6,100.00	6,050.65	6,086.13	6,021.47	28.11	28.30	-85.33	367.40	784.64	389.92	333.61	56.30	6.925		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
6,200.00	6,149.76	6,185.93	6,120.09	28.57	28.77	-85.31	373.45	798.66	396.37	339.14	57.23	6.926		
6,300.00	6,248.87	6,285.72	6,218.71	29.03	29.24	-85.30	379.50	812.68	402.83	344.67	58.16	6.926		
6,400.00	6,347.98	6,385.51	6,317.32	29.50	29.71	-85.29	385.55	826.69	409.29	350.20	59.09	6.926		
6,475.54	6,422.84	6,460.89	6,391.81	29.85	30.06	-85.29	390.12	837.28	414.17	354.37	59.79	6.927		
6,500.00	6,447.14	6,486.08	6,416.72	29.96	30.18	-86.74	391.64	840.76	415.80	355.78	60.03	6.927		
6,550.00	6,497.05	6,540.84	6,471.18	30.17	30.42	-107.95	394.88	845.35	419.19	358.69	60.50	6.928		
6,600.00	6,547.02	6,595.75	6,525.98	30.37	30.64	104.93	397.97	845.23	422.53	361.59	60.93	6.934		
6,650.00	6,596.75	6,650.75	6,580.67	30.55	30.85	100.67	400.90	840.37	425.79	364.45	61.33	6.942		
6,700.00	6,645.93	6,705.82	6,634.81	30.74	31.06	99.23	403.63	830.80	428.96	367.23	61.73	6.949		
6,750.00	6,694.25	6,760.91	6,687.95	30.93	31.28	98.36	406.14	816.57	432.01	369.89	62.12	6.954		
6,800.00	6,741.43	6,815.98	6,739.66	31.12	31.50	97.66	408.42	797.81	434.93	372.42	62.52	6.957		
6,850.00	6,787.16	6,870.99	6,789.51	31.32	31.72	97.04	410.45	774.67	437.70	374.78	62.92	6.956		
6,900.00	6,831.16	6,925.91	6,837.11	31.52	31.95	96.44	412.20	747.38	440.31	376.97	63.34	6.951		
6,950.00	6,873.17	6,980.69	6,882.09	31.74	32.20	95.85	413.68	716.16	442.75	378.96	63.79	6.941		
7,000.00	6,912.92	7,035.30	6,924.10	31.96	32.47	95.26	414.86	681.31	445.00	380.73	64.28	6.923		
7,050.00	6,950.18	7,089.71	6,962.84	32.21	32.76	94.66	415.74	643.13	447.06	382.25	64.81	6.898		
7,100.00	6,984.70	7,143.88	6,998.04	32.48	33.08	94.05	416.33	601.98	448.91	383.52	65.40	6.864		
7,150.00	7,016.29	7,197.79	7,029.48	32.77	33.43	93.43	416.61	558.22	450.56	384.51	66.05	6.821		
7,200.00	7,044.73	7,251.40	7,056.98	33.10	33.82	92.81	416.59	512.21	452.00	385.22	66.79	6.768		
7,250.00	7,069.86	7,304.70	7,080.39	33.46	34.24	92.19	416.27	464.35	453.23	385.63	67.60	6.705		
7,300.00	7,091.53	7,357.66	7,099.61	33.86	34.72	91.56	415.67	415.02	454.23	385.74	68.50	6.632		
7,350.00	7,109.59	7,410.27	7,114.59	34.30	35.23	90.93	414.80	364.62	455.03	385.56	69.47	6.550		
7,400.00	7,123.94	7,462.51	7,125.31	34.78	35.78	90.32	413.65	313.52	455.60	385.08	70.52	6.461		
7,450.00	7,134.49	7,514.37	7,131.77	35.29	36.36	89.70	412.26	262.09	455.97	384.33	71.63	6.365		
7,500.00	7,141.18	7,565.85	7,134.03	35.84	36.96	89.10	410.63	210.70	456.12	383.32	72.80	6.266		
7,550.00	7,143.95	7,616.00	7,133.56	36.42	37.58	88.69	408.89	160.59	456.10	382.09	74.01	6.163		
7,567.79	7,144.00	7,633.79	7,133.37	36.63	37.82	88.67	408.27	142.81	456.07	381.61	74.46	6.125		
7,600.00	7,143.62	7,665.99	7,133.03	37.03	38.25	88.67	407.15	110.62	456.00	380.71	75.29	6.057		
7,700.00	7,142.46	7,765.99	7,131.96	38.38	39.70	88.68	403.68	10.69	455.77	377.69	78.08	5.837		
7,800.00	7,141.29	7,865.99	7,130.89	39.88	41.28	88.69	400.20	-89.24	455.55	374.37	81.18	5.612		
7,900.00	7,140.13	7,965.99	7,129.82	41.53	43.00	88.70	396.72	-189.18	455.33	370.78	84.54	5.386		
8,000.00	7,138.97	8,065.99	7,128.75	43.30	44.83	88.71	393.25	-289.11	455.10	366.96	88.15	5.163		
8,100.00	7,137.80	8,165.99	7,127.67	45.18	46.77	88.73	389.77	-389.05	454.88	362.92	91.96	4.946		
8,200.00	7,136.64	8,265.99	7,126.60	47.16	48.79	88.74	386.29	-488.98	454.66	358.70	95.96	4.738		
8,300.00	7,135.48	8,365.99	7,125.53	49.22	50.89	88.75	382.81	-588.91	454.44	354.31	100.13	4.539		
8,400.00	7,134.32	8,465.99	7,124.46	51.36	53.06	88.76	379.34	-688.85	454.21	349.78	104.43	4.349		
8,500.00	7,133.15	8,565.99	7,123.39	53.56	55.29	88.77	375.86	-788.78	453.99	345.12	108.87	4.170		
8,600.00	7,131.99	8,665.99	7,122.32	55.82	57.58	88.78	372.38	-888.71	453.77	340.36	113.41	4.001		
8,700.00	7,130.83	8,765.99	7,121.25	58.13	59.91	88.79	368.91	-988.65	453.55	335.49	118.06	3.842		
8,800.00	7,129.66	8,865.99	7,120.18	60.49	62.29	88.80	365.43	-1,088.58	453.33	330.53	122.79	3.692		
8,900.00	7,128.50	8,965.99	7,119.11	62.89	64.70	88.81	361.95	-1,188.51	453.10	325.50	127.60	3.551		
9,000.00	7,127.34	9,065.99	7,118.04	65.32	67.15	88.83	358.47	-1,288.45	452.88	320.40	132.48	3.418		
9,100.00	7,126.17	9,165.99	7,116.97	67.79	69.62	88.84	355.00	-1,388.38	452.66	315.23	137.42	3.294		
9,200.00	7,125.01	9,265.99	7,115.90	70.28	72.13	88.85	351.52	-1,488.31	452.44	310.01	142.42	3.177		
9,300.00	7,123.85	9,365.99	7,114.83	72.80	74.66	88.86	348.04	-1,588.25	452.21	304.74	147.47	3.066		
9,400.00	7,122.68	9,465.99	7,113.76	75.34	77.21	88.87	344.57	-1,688.18	451.99	299.43	152.56	2.963		
9,500.00	7,121.52	9,565.99	7,112.69	77.91	79.78	88.88	341.09	-1,788.11	451.77	294.07	157.70	2.865		
9,600.00	7,120.36	9,665.99	7,111.62	80.49	82.37	88.89	337.61	-1,888.05	451.55	288.68	162.87	2.773		
9,700.00	7,119.19	9,765.99	7,110.55	83.09	84.97	88.90	334.14	-1,987.98	451.32	283.26	168.07	2.685		
9,800.00	7,118.03	9,865.99	7,109.48	85.70	87.59	88.92	330.66	-2,087.92	451.10	277.80	173.30	2.603		
9,900.00	7,116.87	9,965.99	7,108.41	88.33	90.22	88.93	327.18	-2,187.85	450.88	272.32	178.56	2.525		
10,000.00	7,115.70	10,065.99	7,107.34	90.98	92.87	88.94	323.70	-2,287.78	450.66	266.81	183.85	2.451		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,100.00	7,114.54	10,165.99	7,106.27	93.63	95.52	88.95	320.23	-2,387.72	450.44	261.28	189.16	2.381		
10,200.00	7,113.38	10,265.99	7,105.20	96.29	98.19	88.96	316.75	-2,487.65	450.21	255.72	194.49	2.315		
10,300.00	7,112.21	10,365.99	7,104.13	98.97	100.87	88.97	313.27	-2,587.58	449.99	250.15	199.84	2.252		
10,400.00	7,111.05	10,465.99	7,103.06	101.65	103.55	88.98	309.80	-2,687.52	449.77	244.56	205.21	2.192		
10,500.00	7,109.89	10,565.99	7,101.99	104.34	106.24	88.99	306.32	-2,787.45	449.55	238.95	210.59	2.135		
10,600.00	7,108.72	10,665.99	7,100.92	107.04	108.95	89.01	302.84	-2,887.38	449.33	233.33	216.00	2.080		
10,700.00	7,107.56	10,765.98	7,099.85	109.75	111.65	89.02	299.37	-2,987.32	449.10	227.69	221.41	2.028		
10,800.00	7,106.40	10,865.98	7,098.78	112.47	114.37	89.03	295.89	-3,087.25	448.88	222.04	226.84	1.979		
10,900.00	7,105.24	10,965.98	7,097.71	115.19	117.09	89.04	292.41	-3,187.18	448.66	216.38	232.28	1.932		
11,000.00	7,104.07	11,065.98	7,096.64	117.91	119.82	89.05	288.93	-3,287.12	448.44	210.71	237.73	1.886		
11,100.00	7,102.91	11,165.98	7,095.56	120.64	122.55	89.06	285.46	-3,387.05	448.21	205.02	243.19	1.843		
11,200.00	7,101.75	11,265.98	7,094.49	123.38	125.28	89.07	281.98	-3,486.98	447.99	199.33	248.67	1.802		
11,300.00	7,100.58	11,365.98	7,093.42	126.12	128.03	89.09	278.50	-3,586.92	447.77	193.62	254.15	1.762		
11,400.00	7,099.42	11,465.98	7,092.35	128.87	130.77	89.10	275.03	-3,686.85	447.55	187.91	259.64	1.724		
11,500.00	7,098.26	11,565.98	7,091.28	131.62	133.52	89.11	271.55	-3,786.79	447.33	182.19	265.14	1.687		
11,600.00	7,097.09	11,665.98	7,090.21	134.37	136.27	89.12	268.07	-3,886.72	447.11	176.46	270.65	1.652		
11,700.00	7,095.93	11,765.98	7,089.14	137.13	139.03	89.13	264.59	-3,986.65	446.88	170.72	276.16	1.618		
11,800.00	7,094.77	11,865.98	7,088.07	139.89	141.79	89.14	261.12	-4,086.59	446.66	164.98	281.68	1.586		
11,900.00	7,093.60	11,965.98	7,087.00	142.65	144.55	89.15	257.64	-4,186.52	446.44	159.23	287.21	1.554		
12,000.00	7,092.44	12,065.98	7,085.93	145.42	147.32	89.17	254.16	-4,286.45	446.22	153.47	292.74	1.524		
12,100.00	7,091.28	12,165.98	7,084.86	148.19	150.09	89.18	250.69	-4,386.39	446.00	147.71	298.28	1.495 Level 3		
12,200.00	7,090.11	12,265.98	7,083.79	150.96	152.86	89.19	247.21	-4,486.32	445.77	141.95	303.83	1.467 Level 3		
12,300.00	7,088.95	12,365.98	7,082.72	153.74	155.64	89.20	243.73	-4,586.25	445.55	136.17	309.38	1.440 Level 3		
12,400.00	7,087.79	12,465.98	7,081.65	156.52	158.41	89.21	240.26	-4,686.19	445.33	130.40	314.93	1.414 Level 3		
12,500.00	7,086.62	12,565.98	7,080.58	159.30	161.19	89.22	236.78	-4,786.12	445.11	124.62	320.49	1.389 Level 3		
12,600.00	7,085.46	12,665.98	7,079.51	162.08	163.98	89.24	233.30	-4,886.05	444.89	118.83	326.06	1.364 Level 3		
12,700.00	7,084.30	12,765.98	7,078.44	164.86	166.76	89.25	229.82	-4,985.99	444.67	113.04	331.62	1.341 Level 3		
12,800.00	7,083.13	12,865.98	7,077.37	167.65	169.54	89.26	226.35	-5,085.92	444.44	107.25	337.20	1.318 Level 3		
12,900.00	7,081.97	12,965.98	7,076.30	170.44	172.33	89.27	222.87	-5,185.85	444.22	101.45	342.77	1.296 Level 3		
13,000.00	7,080.81	13,065.98	7,075.23	173.23	175.12	89.28	219.39	-5,285.79	444.00	95.65	348.35	1.275 Level 3		
13,100.00	7,079.64	13,165.98	7,074.16	176.02	177.91	89.29	215.92	-5,385.72	443.78	89.84	353.93	1.254 Level 3		
13,200.00	7,078.48	13,265.98	7,073.09	178.81	180.70	89.30	212.44	-5,485.65	443.56	84.04	359.52	1.234 Level 2		
13,300.00	7,077.32	13,365.98	7,072.02	181.61	183.50	89.32	208.96	-5,585.59	443.34	78.23	365.11	1.214 Level 2		
13,400.00	7,076.16	13,465.98	7,070.95	184.40	186.29	89.33	205.48	-5,685.52	443.11	72.41	370.70	1.195 Level 2		
13,500.00	7,074.99	13,565.98	7,069.88	187.20	189.09	89.34	202.01	-5,785.46	442.89	66.60	376.30	1.177 Level 2		
13,600.00	7,073.83	13,665.98	7,068.81	190.00	191.89	89.35	198.53	-5,885.39	442.67	60.78	381.89	1.159 Level 2		
13,700.00	7,072.67	13,765.98	7,067.74	192.80	194.69	89.36	195.05	-5,985.32	442.45	54.96	387.49	1.142 Level 2		
13,800.00	7,071.50	13,865.98	7,066.67	195.60	197.49	89.37	191.58	-6,085.26	442.23	49.13	393.10	1.125 Level 2		
13,900.00	7,070.34	13,965.98	7,065.60	198.41	200.29	89.39	188.10	-6,185.19	442.01	43.30	398.70	1.109 Level 2		
14,000.00	7,069.18	14,065.98	7,064.53	201.21	203.09	89.40	184.62	-6,285.12	441.79	37.48	404.31	1.093 Level 2		
14,100.00	7,068.01	14,165.98	7,063.45	204.02	205.90	89.41	181.15	-6,385.06	441.56	31.64	409.92	1.077 Level 2		
14,200.00	7,066.85	14,265.98	7,062.38	206.82	208.70	89.42	177.67	-6,484.99	441.34	25.81	415.53	1.062 Level 2		
14,300.00	7,065.69	14,365.97	7,061.31	209.63	211.51	89.43	174.19	-6,584.92	441.12	19.98	421.14	1.047 Level 2		
14,400.00	7,064.52	14,465.97	7,060.24	212.44	214.32	89.45	170.71	-6,684.86	440.90	14.14	426.76	1.033 Level 2		
14,500.00	7,063.36	14,565.97	7,059.17	215.25	217.13	89.46	167.24	-6,784.79	440.68	8.30	432.38	1.019 Level 2		
14,600.00	7,062.20	14,665.97	7,058.10	218.06	219.93	89.47	163.76	-6,884.72	440.46	2.46	438.00	1.006 Level 2		
14,700.00	7,061.03	14,765.97	7,057.03	220.87	222.74	89.48	160.28	-6,984.66	440.24	-3.38	443.62	0.992 Level 1		
14,800.00	7,059.87	14,865.97	7,055.96	223.68	225.55	89.49	156.81	-7,084.59	440.01	-9.22	449.24	0.979 Level 1		
14,900.00	7,058.71	14,965.97	7,054.89	226.49	228.37	89.50	153.33	-7,184.52	439.79	-15.07	454.86	0.967 Level 1		
15,000.00	7,057.54	15,065.97	7,053.82	229.30	231.18	89.52	149.85	-7,284.46	439.57	-20.92	460.49	0.955 Level 1		
15,100.00	7,056.38	15,165.97	7,052.75	232.12	233.99	89.53	146.38	-7,384.39	439.35	-26.77	466.12	0.943 Level 1		
15,200.00	7,055.22	15,265.97	7,051.68	234.93	236.80	89.54	142.90	-7,484.33	439.13	-32.62	471.74	0.931 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 33C-6-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 33C-6-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
15,300.00	7,054.05	15,365.97	7,050.61	237.75	239.62	89.55	139.42	-7,584.26	438.91	-38.47	477.37	0.919	Level 1
15,400.00	7,052.89	15,465.97	7,049.54	240.56	242.43	89.56	135.94	-7,684.19	438.69	-44.32	483.00	0.908	Level 1
15,500.00	7,051.73	15,565.97	7,048.47	243.38	245.25	89.58	132.47	-7,784.13	438.47	-50.17	488.64	0.897	Level 1
15,600.00	7,050.56	15,665.97	7,047.40	246.20	248.07	89.59	128.99	-7,884.06	438.24	-56.03	494.27	0.887	Level 1
15,645.57	7,050.03	15,711.54	7,046.91	247.48	249.35	89.59	127.41	-7,929.59	438.14	-58.69	496.84	0.882	Level 1, ES, SF
15,648.52	7,050.00	15,703.90	7,046.99	247.57	249.13	89.59	127.67	-7,921.97	438.26	-58.32	496.58	0.883	Level 1

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	44.81	4.18	45.00					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	44.81	4.18	45.00	38.43	6.57	6.850		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	44.81	4.18	45.00	38.33	6.67	6.743 CC, ES		
300.00	300.00	298.89	298.87	3.44	3.44	6.86	45.86	5.52	46.21	39.31	6.89	6.703		
400.00	399.98	397.62	397.46	3.60	3.60	-82.38	49.01	9.54	49.74	42.52	7.22	6.891		
500.00	499.84	496.13	495.60	3.80	3.80	-81.59	54.25	16.21	55.37	47.73	7.63	7.253		
600.00	599.45	594.33	593.09	4.04	4.05	-81.94	61.53	25.50	63.04	54.90	8.13	7.752		
682.50	681.36	675.07	672.90	4.26	4.27	-82.80	69.06	35.10	70.90	62.30	8.59	8.251		
700.00	698.71	692.16	689.74	4.32	4.32	-83.02	70.83	37.36	72.75	64.06	8.70	8.367		
800.00	797.82	789.51	785.36	4.62	4.63	-83.16	82.11	51.73	84.78	75.46	9.32	9.096		
900.00	896.93	886.19	879.64	4.95	4.96	-81.93	95.28	68.53	99.25	89.25	9.99	9.932		
1,000.00	996.04	982.61	972.93	5.30	5.33	-79.95	110.32	87.71	116.18	105.48	10.70	10.855		
1,100.00	1,095.15	1,080.93	1,067.80	5.67	5.73	-78.17	126.26	108.03	134.01	122.57	11.44	11.714		
1,200.00	1,194.26	1,179.25	1,162.67	6.05	6.15	-76.80	142.20	128.35	151.93	139.73	12.21	12.447		
1,300.00	1,293.37	1,277.58	1,257.54	6.45	6.59	-75.72	158.14	148.67	169.92	156.92	13.00	13.073		
1,400.00	1,392.48	1,375.90	1,352.41	6.85	7.04	-74.85	174.08	168.99	187.96	174.15	13.81	13.611		
1,500.00	1,491.59	1,474.22	1,447.28	7.26	7.50	-74.13	190.02	189.32	206.03	191.39	14.64	14.075		
1,600.00	1,590.70	1,572.55	1,542.15	7.68	7.97	-73.53	205.96	209.64	224.13	208.64	15.48	14.477		
1,700.00	1,689.81	1,670.87	1,637.03	8.10	8.45	-73.02	221.90	229.96	242.24	225.91	16.34	14.828		
1,800.00	1,788.92	1,769.20	1,731.90	8.53	8.93	-72.57	237.83	250.28	260.38	243.17	17.20	15.135		
1,900.00	1,888.03	1,867.52	1,826.77	8.96	9.42	-72.19	253.77	270.61	278.52	260.44	18.08	15.405		
2,000.00	1,987.14	1,965.84	1,921.64	9.39	9.91	-71.85	269.71	290.93	296.68	277.72	18.96	15.645		
2,100.00	2,086.25	2,064.17	2,016.51	9.83	10.40	-71.56	285.65	311.25	314.85	294.99	19.85	15.858		
2,200.00	2,185.36	2,162.49	2,111.38	10.27	10.90	-71.29	301.59	331.57	333.02	312.27	20.75	16.048		
2,300.00	2,284.47	2,260.81	2,206.25	10.71	11.41	-71.05	317.53	351.89	351.20	329.55	21.65	16.219		
2,400.00	2,383.58	2,359.14	2,301.12	11.15	11.91	-70.84	333.47	372.22	369.39	346.82	22.56	16.373		
2,500.00	2,482.69	2,457.46	2,395.99	11.60	12.42	-70.64	349.41	392.54	387.57	364.10	23.47	16.513		
2,600.00	2,581.80	2,555.78	2,490.86	12.05	12.92	-70.47	365.35	412.86	405.77	381.38	24.39	16.640		
2,700.00	2,680.91	2,654.11	2,585.74	12.50	13.43	-70.30	381.29	433.18	423.96	398.66	25.30	16.755		
2,800.00	2,780.02	2,752.43	2,680.61	12.95	13.95	-70.16	397.22	453.50	442.16	415.94	26.22	16.861		
2,900.00	2,879.13	2,850.76	2,775.48	13.40	14.46	-70.02	413.16	473.83	460.37	433.22	27.15	16.958		
3,000.00	2,978.24	2,949.08	2,870.35	13.85	14.97	-69.89	429.10	494.15	478.57	450.50	28.07	17.047		
3,100.00	3,077.35	3,047.40	2,965.22	14.30	15.49	-69.77	445.04	514.47	496.78	467.78	29.00	17.129		
3,200.00	3,176.46	3,145.73	3,060.09	14.76	16.00	-69.67	460.98	534.79	514.99	485.06	29.93	17.206		
3,300.00	3,275.57	3,244.05	3,154.96	15.21	16.52	-69.56	476.92	555.12	533.20	502.33	30.86	17.276		
3,400.00	3,374.68	3,342.37	3,249.83	15.67	17.04	-69.47	492.86	575.44	551.41	519.61	31.80	17.342		
3,500.00	3,473.79	3,440.70	3,344.70	16.12	17.56	-69.38	508.80	595.76	569.62	536.89	32.73	17.403		
3,600.00	3,572.90	3,539.02	3,439.58	16.58	18.08	-69.30	524.74	616.08	587.84	554.17	33.67	17.460		
3,700.00	3,672.01	3,637.35	3,534.45	17.04	18.59	-69.22	540.67	636.40	606.05	571.45	34.61	17.513		
3,800.00	3,771.12	3,735.67	3,629.32	17.50	19.11	-69.15	556.61	656.73	624.27	588.73	35.54	17.563		
3,900.00	3,870.23	3,833.99	3,724.19	17.95	19.64	-69.08	572.55	677.05	642.49	606.00	36.48	17.610		
4,000.00	3,969.34	3,932.32	3,819.06	18.41	20.16	-69.01	588.49	697.37	660.71	623.28	37.42	17.655		
4,100.00	4,068.45	4,030.64	3,913.93	18.87	20.68	-68.95	604.43	717.69	678.93	640.56	38.37	17.696		
4,200.00	4,167.56	4,128.96	4,008.80	19.33	21.20	-68.89	620.37	738.01	697.15	657.84	39.31	17.735		
4,300.00	4,266.67	4,227.29	4,103.67	19.79	21.72	-68.83	636.31	758.34	715.37	675.12	40.25	17.772		
4,400.00	4,365.78	4,325.61	4,198.54	20.25	22.25	-68.78	652.25	778.66	733.59	692.39	41.20	17.807		
4,500.00	4,464.89	4,433.87	4,303.09	20.71	22.82	-68.74	669.60	800.78	751.59	709.35	42.24	17.793		
4,600.00	4,564.00	4,562.27	4,428.14	21.17	23.47	-68.86	687.52	823.63	766.59	723.15	43.44	17.647		
4,700.00	4,663.11	4,691.86	4,555.56	21.63	24.08	-69.19	702.08	842.20	777.73	733.16	44.57	17.450		
4,800.00	4,762.22	4,822.12	4,684.58	22.09	24.66	-69.72	713.12	856.28	784.99	739.38	45.61	17.210		
4,900.00	4,861.33	4,952.53	4,814.42	22.56	25.19	-70.47	720.54	865.73	788.41	741.84	46.57	16.929		
5,000.00	4,960.44	5,082.54	4,944.27	23.02	25.70	-71.43	724.29	870.52	788.05	740.61	47.45	16.609		

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 33C-6-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 33C-6-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	5,059.55	5,202.18	5,059.55	23.48	26.14	-72.46	724.81	871.18	784.45	736.15	48.30	16.240		
5,200.00	5,158.66	5,303.07	5,158.66	23.94	26.50	-73.38	724.81	871.18	780.51	731.32	49.18	15.869		
5,300.00	5,257.77	5,403.96	5,257.77	24.40	26.87	-74.32	724.81	871.18	776.78	726.71	50.07	15.515		
5,400.00	5,356.88	5,504.85	5,356.88	24.87	27.25	-75.26	724.81	871.18	773.25	722.30	50.95	15.176		
5,500.00	5,455.99	5,605.74	5,455.99	25.33	27.62	-76.21	724.81	871.18	769.94	718.11	51.84	14.853		
5,600.00	5,555.10	5,706.63	5,555.10	25.79	28.00	-77.17	724.81	871.18	766.85	714.13	52.72	14.545		
5,700.00	5,654.21	5,807.52	5,654.21	26.25	28.37	-78.13	724.81	871.18	763.98	710.37	53.61	14.250		
5,800.00	5,753.32	5,908.41	5,753.32	26.72	28.75	-79.10	724.81	871.18	761.33	706.83	54.50	13.969		
5,900.00	5,852.43	6,009.30	5,852.43	27.18	29.14	-80.08	724.81	871.18	758.91	703.52	55.39	13.701		
6,000.00	5,951.54	6,089.81	5,951.54	27.64	29.44	-81.07	724.81	871.18	756.71	700.51	56.20	13.465		
6,100.00	6,050.65	6,188.92	6,050.65	28.11	29.82	-82.06	724.81	871.18	754.74	697.65	57.08	13.222		
6,200.00	6,149.76	6,288.03	6,149.76	28.57	30.20	-83.05	724.81	871.18	753.00	695.03	57.97	12.990		
6,300.00	6,248.87	6,387.14	6,248.87	29.03	30.58	-84.05	724.81	871.18	751.49	692.64	58.85	12.770		
6,400.00	6,347.98	6,493.95	6,347.98	29.50	30.99	-85.23	724.75	869.77	750.03	690.32	59.72	12.560		
6,475.54	6,422.84	6,581.32	6,422.84	29.85	31.31	-87.00	724.24	858.03	747.89	687.53	60.36	12.390		
6,500.00	6,447.14	6,608.27	6,447.14	29.96	31.42	-88.98	723.99	852.03	747.12	686.54	60.58	12.333		
6,550.00	6,497.05	6,662.01	6,497.05	30.17	31.62	-111.31	723.33	836.78	745.75	684.72	61.03	12.219		
6,600.00	6,547.02	6,714.08	6,547.02	30.37	31.83	100.49	722.52	817.91	744.72	683.23	61.48	12.112		
6,650.00	6,596.75	6,764.61	6,596.75	30.55	32.05	95.20	721.57	795.88	744.02	682.07	61.95	12.011		
6,700.00	6,645.93	6,813.71	6,645.93	30.74	32.27	92.79	720.51	771.08	743.68	681.25	62.42	11.913		
6,723.94	6,669.20	6,836.76	6,669.20	30.83	32.37	91.89	719.96	758.33	743.64	680.98	62.66	11.868		
6,750.00	6,694.25	6,861.52	6,694.25	30.93	32.49	91.00	719.34	743.87	743.68	680.77	62.91	11.821		
6,800.00	6,741.43	6,908.14	6,741.43	31.12	32.73	89.45	718.08	714.58	744.03	680.62	63.41	11.734		
6,850.00	6,787.16	6,953.68	6,787.16	31.32	32.98	88.03	716.75	683.48	744.69	680.79	63.91	11.653		
6,900.00	6,831.16	6,998.24	6,831.16	31.52	33.24	86.70	715.34	650.83	745.65	681.25	64.41	11.577		
6,950.00	6,873.17	7,041.91	6,873.17	31.74	33.52	85.43	713.88	616.86	746.87	681.96	64.91	11.506		
7,000.00	6,912.92	7,084.76	6,912.92	31.96	33.82	84.23	712.38	581.77	748.32	682.90	65.42	11.439		
7,050.00	6,950.18	7,126.89	6,950.18	32.21	34.15	83.08	710.83	545.75	749.95	684.02	65.93	11.375		
7,100.00	6,984.70	7,168.35	6,984.70	32.48	34.49	81.99	709.25	508.97	751.72	685.26	66.46	11.311		
7,150.00	7,016.29	7,209.22	7,016.29	32.77	34.85	80.96	707.64	471.58	753.60	686.59	67.01	11.246		
7,200.00	7,044.73	7,249.55	7,044.73	33.10	35.23	79.99	706.02	433.73	755.54	687.95	67.59	11.178		
7,250.00	7,069.86	7,289.39	7,069.86	33.46	35.64	79.09	704.38	395.54	757.49	689.27	68.21	11.105		
7,300.00	7,091.53	7,328.81	7,091.53	33.86	36.06	78.24	702.73	357.15	759.41	690.53	68.88	11.025		
7,350.00	7,109.59	7,367.84	7,109.59	34.30	36.50	77.47	701.07	318.68	761.27	691.67	69.59	10.939		
7,400.00	7,123.94	7,406.53	7,123.94	34.78	36.95	76.76	699.42	280.23	763.02	692.66	70.36	10.844		
7,450.00	7,134.49	7,444.91	7,134.49	35.29	37.41	76.13	697.78	241.91	764.63	693.44	71.19	10.741		
7,500.00	7,141.18	7,509.58	7,141.18	35.84	38.24	75.55	695.82	196.45	765.92	693.48	72.44	10.574		
7,550.00	7,143.95	7,540.30	7,143.95	36.42	38.67	75.27	693.68	146.62	766.28	692.91	73.37	10.444		
7,567.79	7,144.00	7,558.09	7,567.79	36.63	38.92	75.26	692.92	128.85	766.16	692.34	73.82	10.379		
7,600.00	7,143.62	7,609.71	7,143.62	37.03	39.66	75.25	691.54	96.68	765.83	690.89	74.94	10.219		
7,700.00	7,142.46	7,709.71	7,142.46	38.38	41.22	75.24	687.25	-3.22	764.81	687.00	77.81	9.830		
7,800.00	7,141.29	7,809.72	7,141.29	39.88	42.92	75.22	682.95	-103.12	763.78	682.84	80.95	9.436		
7,900.00	7,140.13	7,909.72	7,140.13	41.53	44.74	75.21	678.66	-203.01	762.76	678.43	84.33	9.045		
8,000.00	7,138.97	8,009.73	7,138.97	43.30	46.66	75.20	674.37	-302.91	761.74	673.80	87.94	8.662		
8,100.00	7,137.80	8,109.73	7,137.80	45.18	48.67	75.18	670.08	-402.81	760.72	668.99	91.73	8.293		
8,200.00	7,136.64	8,190.26	7,136.64	47.16	50.35	75.17	665.79	-502.70	759.69	664.40	95.29	7.973		
8,300.00	7,135.48	8,309.75	7,135.48	49.22	52.92	75.15	661.50	-602.60	758.67	658.87	99.80	7.602		
8,400.00	7,134.32	8,409.75	7,134.32	51.36	55.15	75.14	657.21	-702.50	757.65	653.61	104.04	7.282		
8,500.00	7,133.15	8,509.76	7,133.15	53.56	57.43	75.13	652.91	-802.39	756.62	648.23	108.39	6.980		
8,600.00	7,131.99	8,609.76	7,131.99	55.82	59.76	75.11	648.62	-902.29	755.60	642.75	112.85	6.696		
8,700.00	7,130.83	8,709.77	7,130.83	58.13	62.13	75.10	644.33	-1,002.19	754.58	637.18	117.40	6.428		
8,800.00	7,129.66	8,809.77	7,129.66	60.49	64.54	75.08	640.04	-1,102.08	753.56	631.54	122.02	6.176		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	8,890.22	6,934.56	62.89	66.50	75.07	635.75	-1,201.98	752.53	626.28	126.25	5.961		
9,000.00	7,127.34	9,009.78	6,933.48	65.32	69.46	75.06	631.46	-1,301.88	751.51	620.04	131.48	5.716		
9,100.00	7,126.17	9,090.21	6,932.41	67.79	71.47	75.04	627.16	-1,401.77	750.49	614.67	135.81	5.526		
9,200.00	7,125.01	9,209.79	6,931.33	70.28	74.48	75.03	622.87	-1,501.67	749.47	608.31	141.16	5.309		
9,300.00	7,123.85	9,309.80	6,930.25	72.80	77.03	75.01	618.58	-1,601.57	748.44	602.38	146.07	5.124		
9,400.00	7,122.68	9,409.80	6,929.17	75.34	79.60	75.00	614.29	-1,701.46	747.42	596.40	151.02	4.949		
9,500.00	7,121.52	9,509.81	6,928.09	77.91	82.18	74.99	610.00	-1,801.36	746.40	590.39	156.01	4.784		
9,600.00	7,120.36	9,590.19	6,927.01	80.49	84.27	74.97	605.71	-1,901.26	745.38	584.84	160.53	4.643		
9,700.00	7,119.19	9,709.82	6,925.93	83.09	87.40	74.96	601.42	-2,001.15	744.35	578.27	166.08	4.482		
9,800.00	7,118.03	9,809.83	6,924.86	85.70	90.03	74.94	597.12	-2,101.05	743.33	572.17	171.16	4.343		
9,900.00	7,116.87	9,909.83	6,923.78	88.33	92.67	74.93	592.83	-2,200.95	742.31	566.04	176.27	4.211		
10,000.00	7,115.70	9,990.16	6,922.70	90.98	94.81	74.91	588.54	-2,300.84	741.29	560.40	180.89	4.098		
10,100.00	7,114.54	10,109.84	6,921.62	93.63	97.99	74.90	584.25	-2,400.74	740.27	553.72	186.54	3.968		
10,200.00	7,113.38	10,209.85	6,920.54	96.29	100.67	74.88	579.96	-2,500.64	739.24	547.53	191.71	3.856		
10,300.00	7,112.21	10,290.15	6,919.46	98.97	102.82	74.87	575.67	-2,600.53	738.22	541.84	196.38	3.759		
10,400.00	7,111.05	10,390.14	6,918.39	101.65	105.51	74.86	571.37	-2,700.43	737.20	535.62	201.58	3.657		
10,500.00	7,109.89	10,509.86	6,917.31	104.34	108.74	74.84	567.08	-2,800.33	736.18	528.87	207.31	3.551		
10,600.00	7,108.72	10,609.87	6,916.23	107.04	111.45	74.83	562.79	-2,900.22	735.16	522.61	212.54	3.459		
10,700.00	7,107.56	10,709.87	6,915.15	109.75	114.16	74.81	558.50	-3,000.12	734.13	516.35	217.78	3.371		
10,800.00	7,106.40	10,809.88	6,914.07	112.47	116.88	74.80	554.21	-3,100.02	733.11	510.07	223.04	3.287		
10,900.00	7,105.24	10,909.89	6,912.99	115.19	119.60	74.78	549.92	-3,199.91	732.09	503.79	228.30	3.207		
11,000.00	7,104.07	11,009.89	6,911.91	117.91	122.33	74.77	545.63	-3,299.81	731.07	497.49	233.58	3.130		
11,100.00	7,102.91	11,109.90	6,910.84	120.64	125.06	74.75	541.33	-3,399.71	730.05	491.19	238.86	3.056		
11,200.00	7,101.75	11,190.10	6,909.76	123.38	127.26	74.74	537.04	-3,499.60	729.03	485.40	243.63	2.992		
11,300.00	7,100.58	11,309.91	6,908.68	126.12	130.54	74.72	532.75	-3,599.50	728.00	478.55	249.46	2.918		
11,400.00	7,099.42	11,409.91	6,907.60	128.87	133.29	74.71	528.46	-3,699.40	726.98	472.22	254.76	2.854		
11,500.00	7,098.26	11,509.92	6,906.52	131.62	136.04	74.69	524.17	-3,799.29	725.96	465.88	260.08	2.791		
11,600.00	7,097.09	11,609.92	6,905.44	134.37	138.80	74.68	519.88	-3,899.19	724.94	459.54	265.40	2.731		
11,700.00	7,095.93	11,709.93	6,904.36	137.13	141.55	74.66	515.59	-3,999.09	723.92	453.19	270.73	2.674		
11,800.00	7,094.77	11,809.93	6,903.29	139.89	144.32	74.65	511.29	-4,098.98	722.90	446.83	276.07	2.619		
11,900.00	7,093.60	11,909.94	6,902.21	142.65	147.08	74.63	507.00	-4,198.88	721.88	440.47	281.40	2.565		
12,000.00	7,092.44	12,009.95	6,901.13	145.42	149.85	74.61	502.71	-4,298.78	720.86	434.11	286.75	2.514		
12,100.00	7,091.28	12,109.95	6,900.05	148.19	152.62	74.60	498.42	-4,398.67	719.83	427.74	292.10	2.464		
12,200.00	7,090.11	12,209.96	6,898.97	150.96	155.39	74.58	494.13	-4,498.57	718.81	421.36	297.45	2.417		
12,300.00	7,088.95	12,309.96	6,897.89	153.74	158.16	74.57	489.84	-4,598.47	717.79	414.98	302.81	2.370		
12,400.00	7,087.79	12,409.97	6,896.82	156.52	160.94	74.55	485.54	-4,698.36	716.77	408.60	308.17	2.326		
12,500.00	7,086.62	12,509.97	6,895.74	159.30	163.72	74.54	481.25	-4,798.26	715.75	402.22	313.53	2.283		
12,600.00	7,085.46	12,609.98	6,894.66	162.08	166.50	74.52	476.96	-4,898.16	714.73	395.83	318.90	2.241		
12,700.00	7,084.30	12,709.98	6,893.58	164.86	169.28	74.51	472.67	-4,998.05	713.71	389.43	324.27	2.201		
12,800.00	7,083.13	12,809.99	6,892.50	167.65	172.07	74.49	468.38	-5,097.95	712.69	383.04	329.65	2.162		
12,900.00	7,081.97	12,909.99	6,891.42	170.44	174.85	74.47	464.09	-5,197.85	711.67	376.64	335.03	2.124		
13,000.00	7,080.81	13,010.00	6,890.34	173.23	177.64	74.46	459.80	-5,297.74	710.65	370.24	340.41	2.088		
13,100.00	7,079.64	13,090.00	6,889.27	176.02	179.87	74.44	455.50	-5,397.64	709.63	364.38	345.25	2.055		
13,200.00	7,078.48	13,189.99	6,888.19	178.81	182.66	74.43	451.21	-5,497.54	708.61	357.97	350.63	2.021		
13,300.00	7,077.32	13,289.99	6,887.11	181.61	185.46	74.41	446.92	-5,597.43	707.59	351.57	356.02	1.988		
13,400.00	7,076.16	13,389.98	6,886.03	184.40	188.25	74.40	442.63	-5,697.33	706.56	345.16	361.40	1.955		
13,500.00	7,074.99	13,489.97	6,884.95	187.20	191.04	74.38	438.34	-5,797.23	705.54	338.75	366.79	1.924		
13,600.00	7,073.83	13,589.97	6,883.87	190.00	193.84	74.36	434.05	-5,897.12	704.52	332.34	372.19	1.893		
13,700.00	7,072.67	13,689.96	6,882.80	192.80	196.64	74.35	429.76	-5,997.02	703.50	325.92	377.58	1.863		
13,800.00	7,071.50	13,789.96	6,881.72	195.60	199.44	74.33	425.46	-6,096.92	702.48	319.51	382.97	1.834		
13,900.00	7,070.34	13,889.95	6,880.64	198.41	202.24	74.31	421.17	-6,196.81	701.46	313.09	388.37	1.806		
14,000.00	7,069.18	13,989.95	6,879.56	201.21	205.04	74.30	416.88	-6,296.71	700.44	306.68	393.77	1.779		

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 33C-6-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 33C-6-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 12N-6B-M - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	7,068.01	14,089.94	6,878.48	204.02	207.84	74.28	412.59	-6,396.61	699.42	300.26	399.17	1.752	
14,200.00	7,066.85	14,189.94	6,877.40	206.82	210.64	74.27	408.30	-6,496.50	698.40	293.84	404.57	1.726	
14,300.00	7,065.69	14,289.93	6,876.32	209.63	213.45	74.25	404.01	-6,596.40	697.38	287.42	409.97	1.701	
14,400.00	7,064.52	14,389.93	6,875.25	212.44	216.25	74.23	399.71	-6,696.30	696.36	281.00	415.37	1.676	
14,500.00	7,063.36	14,489.92	6,874.17	215.25	219.06	74.22	395.42	-6,796.19	695.34	274.57	420.77	1.653	
14,600.00	7,062.20	14,589.92	6,873.09	218.06	221.86	74.20	391.13	-6,896.09	694.32	268.15	426.17	1.629	
14,700.00	7,061.03	14,689.91	6,872.01	220.87	224.67	74.18	386.84	-6,995.99	693.30	261.73	431.58	1.606	
14,800.00	7,059.87	14,789.90	6,870.93	223.68	227.48	74.17	382.55	-7,095.88	692.28	255.30	436.98	1.584	
14,900.00	7,058.71	14,889.90	6,869.85	226.49	230.29	74.15	378.26	-7,195.78	691.27	248.88	442.39	1.563	
15,000.00	7,057.54	14,989.89	6,868.78	229.30	233.10	74.13	373.97	-7,295.68	690.25	242.45	447.80	1.541	
15,100.00	7,056.38	15,089.89	6,867.70	232.12	235.91	74.12	369.67	-7,395.57	689.23	236.02	453.20	1.521	
15,200.00	7,055.22	15,189.88	6,866.62	234.93	238.72	74.10	365.38	-7,495.47	688.21	229.60	458.61	1.501	
15,300.00	7,054.05	15,289.88	6,865.54	237.75	241.53	74.08	361.09	-7,595.37	687.19	223.17	464.02	1.481 Level 3	
15,400.00	7,052.89	15,389.87	6,864.46	240.56	244.34	74.07	356.80	-7,695.26	686.17	216.74	469.42	1.462 Level 3	
15,500.00	7,051.73	15,489.87	6,863.38	243.38	247.16	74.05	352.51	-7,795.16	685.15	210.32	474.83	1.443 Level 3	
15,600.00	7,050.56	15,589.86	6,862.30	246.20	249.97	74.03	348.22	-7,895.06	684.13	203.89	480.24	1.425 Level 3	
15,635.21	7,050.16	15,618.10	6,862.00	247.19	250.76	74.03	347.00	-7,923.26	683.81	201.86	481.95	1.419 Level 3	
15,648.52	7,050.00	15,618.10	6,862.00	247.57	250.76	74.03	347.00	-7,923.26	683.94	201.77	482.17	1.418 Level 3, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-174.15	-29.87	-3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	-174.15	-29.87	-3.06	30.03	23.46	6.57	4.571		
200.00	200.00	200.00	200.00	3.34	3.34	-174.15	-29.87	-3.06	30.03	23.36	6.67	4.499		
300.00	300.00	300.00	300.00	3.44	3.44	-174.15	-29.87	-3.06	30.03	23.14	6.89	4.359 CC		
400.00	399.98	399.68	399.66	3.60	3.60	94.50	-30.57	-1.47	30.69	23.50	7.20	4.264		
500.00	499.84	499.33	499.17	3.80	3.79	94.89	-32.65	3.29	32.69	25.10	7.59	4.307		
600.00	599.45	598.92	598.38	4.04	4.03	95.44	-36.12	11.21	36.01	27.94	8.06	4.465		
682.50	681.36	681.03	679.91	4.26	4.25	95.94	-40.02	20.12	39.75	31.23	8.51	4.669		
700.00	698.71	698.44	697.16	4.32	4.30	95.99	-40.97	22.28	40.65	32.04	8.61	4.720		
800.00	797.82	797.82	795.32	4.62	4.61	93.83	-47.18	36.46	46.41	37.18	9.23	5.029		
900.00	896.93	896.86	892.55	4.95	4.95	88.68	-54.73	53.69	53.48	43.58	9.90	5.403		
1,000.00	996.04	995.32	988.52	5.30	5.32	82.00	-63.56	73.85	62.54	51.92	10.62	5.890		
1,100.00	1,095.15	1,092.98	1,082.89	5.67	5.72	74.94	-73.62	96.83	74.24	62.87	11.36	6.532		
1,200.00	1,194.26	1,208.68	1,177.34	6.05	6.24	68.72	-84.61	121.93	88.28	76.08	12.20	7.235		
1,300.00	1,293.37	1,289.93	1,272.03	6.45	6.62	64.20	-95.66	147.14	103.11	90.20	12.91	7.986		
1,400.00	1,392.48	1,388.54	1,366.72	6.85	7.10	60.83	-106.70	172.36	118.42	104.71	13.71	8.637		
1,500.00	1,491.59	1,487.15	1,461.41	7.26	7.59	58.23	-117.74	197.57	134.03	119.51	14.52	9.229		
1,600.00	1,590.70	1,585.77	1,556.10	7.68	8.10	56.18	-128.79	222.79	149.86	134.51	15.35	9.763		
1,700.00	1,689.81	1,684.38	1,650.80	8.10	8.61	54.52	-139.83	248.00	165.84	149.65	16.19	10.245		
1,800.00	1,788.92	1,782.99	1,745.49	8.53	9.13	53.15	-150.87	273.22	181.93	164.89	17.04	10.679		
1,900.00	1,888.03	1,881.60	1,840.18	8.96	9.66	52.00	-161.92	298.44	198.10	180.21	17.89	11.070		
2,000.00	1,987.14	1,980.21	1,934.87	9.39	10.19	51.03	-172.96	323.65	214.34	195.58	18.76	11.425		
2,100.00	2,086.25	2,078.83	2,029.56	9.83	10.73	50.19	-184.00	348.87	230.64	211.00	19.64	11.746		
2,200.00	2,185.36	2,177.44	2,124.25	10.27	11.27	49.47	-195.05	374.08	246.97	226.46	20.52	12.038		
2,300.00	2,284.47	2,276.05	2,218.95	10.71	11.82	48.83	-206.09	399.30	263.34	241.94	21.40	12.305		
2,400.00	2,383.58	2,374.66	2,313.64	11.15	12.36	48.27	-217.13	424.51	279.74	257.44	22.29	12.549		
2,500.00	2,482.69	2,473.27	2,408.33	11.60	12.91	47.77	-228.17	449.73	296.15	272.97	23.19	12.772		
2,600.00	2,581.80	2,571.89	2,503.02	12.05	13.47	47.33	-239.22	474.94	312.59	288.51	24.09	12.978		
2,700.00	2,680.91	2,670.50	2,597.71	12.50	14.02	46.93	-250.26	500.16	329.05	304.06	24.99	13.168		
2,800.00	2,780.02	2,769.11	2,692.40	12.95	14.58	46.56	-261.30	525.38	345.52	319.62	25.89	13.343		
2,900.00	2,879.13	2,867.72	2,787.10	13.40	15.14	46.23	-272.35	550.59	362.00	335.20	26.80	13.506		
3,000.00	2,978.24	2,966.33	2,881.79	13.85	15.70	45.93	-283.39	575.81	378.49	350.78	27.71	13.657		
3,100.00	3,077.35	3,064.94	2,976.48	14.30	16.26	45.65	-294.43	601.02	394.99	366.37	28.63	13.797		
3,200.00	3,176.46	3,163.56	3,071.17	14.76	16.82	45.40	-305.48	626.24	411.50	381.96	29.54	13.929		
3,300.00	3,275.57	3,262.17	3,165.86	15.21	17.39	45.17	-316.52	651.45	428.02	397.56	30.46	14.051		
3,400.00	3,374.68	3,371.21	3,270.83	15.67	18.00	44.97	-328.37	678.51	443.81	412.31	31.50	14.091		
3,500.00	3,473.79	3,487.20	3,383.56	16.12	18.62	45.00	-339.30	703.47	456.17	423.60	32.57	14.007		
3,600.00	3,572.90	3,604.07	3,498.18	16.58	19.19	45.25	-348.45	724.36	464.82	431.23	33.59	13.838		
3,700.00	3,672.01	3,721.44	3,614.12	17.04	19.73	45.73	-355.75	741.02	469.74	435.18	34.56	13.592		
3,800.00	3,771.12	3,838.93	3,730.82	17.50	20.24	46.44	-361.14	753.33	470.96	435.48	35.48	13.276		
3,900.00	3,870.23	3,956.12	3,847.70	17.95	20.71	47.40	-364.60	761.23	468.52	432.19	36.33	12.895		
4,000.00	3,969.34	4,072.64	3,964.15	18.41	21.14	48.61	-366.13	764.73	462.54	425.40	37.13	12.456		
4,100.00	4,068.45	4,176.95	4,068.45	18.87	21.50	49.92	-366.22	764.94	453.98	416.01	37.97	11.957		
4,200.00	4,167.56	4,276.06	4,167.56	19.33	21.84	51.22	-366.22	764.94	445.48	406.64	38.84	11.470		
4,300.00	4,266.67	4,375.17	4,266.67	19.79	22.18	52.58	-366.22	764.94	437.22	397.50	39.72	11.008		
4,400.00	4,365.78	4,474.28	4,365.78	20.25	22.53	53.98	-366.22	764.94	429.21	388.61	40.60	10.571		
4,500.00	4,464.89	4,573.39	4,464.89	20.71	22.88	55.43	-366.22	764.94	421.48	379.98	41.49	10.158		
4,600.00	4,564.00	4,672.50	4,564.00	21.17	23.23	56.94	-366.22	764.94	414.02	371.63	42.39	9.767		
4,700.00	4,663.11	4,771.61	4,663.11	21.63	23.59	58.50	-366.22	764.94	406.87	363.57	43.29	9.398		
4,800.00	4,762.22	4,870.72	4,762.22	22.09	23.95	60.12	-366.22	764.94	400.03	355.82	44.21	9.049		
4,900.00	4,861.33	4,969.83	4,861.33	22.56	24.31	61.79	-366.22	764.94	393.52	348.40	45.12	8.721		
5,000.00	4,960.44	5,068.94	4,960.44	23.02	24.67	63.51	-366.22	764.94	387.36	341.32	46.04	8.413		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,168.05	5,059.55	23.48	25.04	65.29	-366.22	764.94	381.56	334.59	46.97	8.123		
5,200.00	5,158.66	5,267.16	5,158.66	23.94	25.40	67.12	-366.22	764.94	376.15	328.25	47.90	7.852		
5,300.00	5,257.77	5,366.27	5,257.77	24.40	25.77	68.99	-366.22	764.94	371.14	322.30	48.84	7.599		
5,400.00	5,356.88	5,465.38	5,356.88	24.87	26.15	70.92	-366.22	764.94	366.54	316.76	49.78	7.364		
5,500.00	5,455.99	5,564.49	5,455.99	25.33	26.52	72.90	-366.22	764.94	362.37	311.65	50.72	7.145		
5,600.00	5,555.10	5,663.60	5,555.10	25.79	26.89	74.91	-366.22	764.94	358.65	306.99	51.66	6.942		
5,700.00	5,654.21	5,762.71	5,654.21	26.25	27.27	76.97	-366.22	764.94	355.39	302.78	52.61	6.756		
5,800.00	5,753.32	5,861.82	5,753.32	26.72	27.65	79.06	-366.22	764.94	352.60	299.05	53.55	6.584		
5,900.00	5,852.43	5,960.93	5,852.43	27.18	28.03	81.18	-366.22	764.94	350.29	295.80	54.49	6.428		
6,000.00	5,951.54	6,060.04	5,951.54	27.64	28.41	83.32	-366.22	764.94	348.48	293.05	55.43	6.286		
6,100.00	6,050.65	6,159.15	6,050.65	28.11	28.80	85.48	-366.22	764.94	347.17	290.80	56.37	6.159		
6,200.00	6,149.76	6,258.26	6,149.76	28.57	29.18	87.66	-366.22	764.94	346.37	289.06	57.30	6.044		
6,300.00	6,248.87	6,357.37	6,248.87	29.03	29.57	89.84	-366.22	764.94	346.07	287.84	58.23	5.943		
6,307.18	6,255.98	6,364.48	6,255.98	29.07	29.60	90.00	-366.22	764.94	346.07	287.77	58.30	5.936		
6,400.00	6,347.98	6,456.48	6,347.98	29.50	29.96	92.03	-366.22	764.94	346.29	287.14	59.15	5.854		
6,475.54	6,422.84	6,531.34	6,422.84	29.85	30.25	93.67	-366.22	764.94	346.80	286.95	59.85	5.795		
6,500.00	6,447.14	6,555.64	6,447.14	29.96	30.35	92.78	-366.22	764.94	346.96	286.90	60.07	5.776		
6,550.00	6,497.05	6,605.55	6,497.05	30.17	30.54	72.17	-366.22	764.94	346.95	286.46	60.49	5.735		
6,600.00	6,547.02	6,654.45	6,547.02	30.37	30.73	-74.94	-366.23	764.77	346.42	285.55	60.88	5.691		
6,650.00	6,596.75	6,701.03	6,596.75	30.55	30.91	-79.33	-366.32	762.01	345.75	284.52	61.23	5.647		
6,700.00	6,645.93	6,747.74	6,645.93	30.74	31.08	-80.90	-366.52	755.84	345.06	283.48	61.58	5.603		
6,750.00	6,694.25	6,794.62	6,694.25	30.93	31.27	-81.89	-366.83	746.25	344.36	282.42	61.94	5.559		
6,800.00	6,741.43	6,841.68	6,741.43	31.12	31.45	-82.71	-367.25	733.26	343.66	281.35	62.31	5.515		
6,850.00	6,787.16	6,888.93	6,787.16	31.32	31.65	-83.45	-367.78	716.89	342.98	280.29	62.69	5.471		
6,900.00	6,831.16	6,936.40	6,831.16	31.52	31.86	-84.16	-368.41	697.19	342.31	279.22	63.09	5.425		
6,950.00	6,873.17	6,984.09	6,873.17	31.74	32.08	-84.87	-369.16	674.21	341.67	278.15	63.52	5.379		
7,000.00	6,912.92	7,032.03	6,912.92	31.96	32.32	-85.58	-370.00	648.03	341.08	277.10	63.98	5.331		
7,050.00	6,950.18	7,080.23	6,950.18	32.21	32.57	-86.30	-370.95	618.74	340.53	276.05	64.48	5.281		
7,100.00	6,984.70	7,128.71	6,984.70	32.48	32.86	-87.03	-371.99	586.45	340.04	275.01	65.03	5.229		
7,150.00	7,016.29	7,177.47	7,016.29	32.77	33.16	-87.77	-373.13	551.29	339.61	273.98	65.63	5.175		
7,200.00	7,044.73	7,226.54	7,044.73	33.10	33.50	-88.52	-374.35	513.41	339.25	272.96	66.29	5.118		
7,250.00	7,069.86	7,275.92	7,069.86	33.46	33.88	-89.26	-375.66	472.99	338.96	271.95	67.02	5.058		
7,300.00	7,091.53	7,325.62	7,091.53	33.86	34.29	-90.01	-377.04	430.21	338.76	270.94	67.82	4.995		
7,350.00	7,109.59	7,375.65	7,109.59	34.30	34.75	-90.75	-378.50	385.29	338.63	269.94	68.69	4.930		
7,400.00	7,123.94	7,426.02	7,123.94	34.78	35.25	-91.49	-380.01	338.47	338.59	268.95	69.64	4.862		
7,402.06	7,124.45	7,428.10	7,124.45	34.80	35.27	-91.52	-380.07	336.50	338.59	268.91	69.68	4.859		
7,450.00	7,134.49	7,476.73	7,134.49	35.29	35.80	-92.21	-381.58	290.00	338.63	267.96	70.66	4.792		
7,500.00	7,141.18	7,527.78	7,141.18	35.84	36.38	-92.91	-383.19	240.18	338.74	266.98	71.76	4.721		
7,550.00	7,143.95	7,579.18	7,143.95	36.42	37.00	-93.59	-384.83	189.29	338.93	266.02	72.91	4.649		
7,567.79	7,144.00	7,597.56	7,144.00	36.63	37.23	-93.83	-385.42	170.99	339.01	265.68	73.33	4.623		
7,600.00	7,143.62	7,630.96	7,143.62	37.03	37.65	-94.12	-386.50	137.63	339.12	264.98	74.14	4.574		
7,700.00	7,142.46	7,731.66	7,142.46	38.38	39.04	-94.12	-389.76	37.00	339.09	262.19	76.90	4.409		
7,800.00	7,141.29	7,831.66	7,141.29	39.88	40.55	-94.07	-392.99	-62.94	339.05	259.10	79.95	4.241		
7,900.00	7,140.13	7,931.66	7,140.13	41.53	42.21	-94.03	-396.22	-162.88	339.00	255.73	83.27	4.071		
8,000.00	7,138.97	8,031.66	7,138.97	43.30	43.99	-93.98	-399.45	-262.81	338.96	252.11	86.84	3.903		
8,100.00	7,137.80	8,131.66	7,137.80	45.18	45.88	-93.93	-402.68	-362.75	338.91	248.29	90.63	3.740		
8,200.00	7,136.64	8,231.66	7,136.64	47.16	47.86	-93.88	-405.91	-462.69	338.87	244.27	94.60	3.582		
8,300.00	7,135.48	8,331.66	7,135.48	49.22	49.93	-93.84	-409.14	-562.62	338.82	240.08	98.74	3.431		
8,400.00	7,134.32	8,431.66	7,134.32	51.36	52.07	-93.79	-412.37	-662.56	338.78	235.75	103.03	3.288		
8,500.00	7,133.15	8,531.66	7,133.15	53.56	54.28	-93.74	-415.60	-762.50	338.74	231.28	107.45	3.152		
8,600.00	7,131.99	8,631.65	7,131.99	55.82	56.55	-93.70	-418.83	-862.44	338.69	226.71	111.99	3.024		
8,700.00	7,130.83	8,731.65	7,130.83	58.13	58.86	-93.65	-422.07	-962.37	338.65	222.03	116.62	2.904		

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 33C-6-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 33C-6-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		
8,800.00	7,129.66	8,831.65	7,150.94	60.49	61.22	-93.60	-425.30	-1,062.31	338.61	217.26	121.34	2.790		
8,900.00	7,128.50	8,931.65	7,149.50	62.89	63.62	-93.56	-428.53	-1,162.25	338.56	212.41	126.15	2.684		
9,000.00	7,127.34	9,031.65	7,148.05	65.32	66.06	-93.51	-431.76	-1,262.18	338.52	207.50	131.02	2.584		
9,100.00	7,126.17	9,131.65	7,146.61	67.79	68.53	-93.46	-434.99	-1,362.12	338.48	202.52	135.96	2.490		
9,200.00	7,125.01	9,231.65	7,145.17	70.28	71.02	-93.42	-438.22	-1,462.06	338.43	197.48	140.95	2.401		
9,300.00	7,123.85	9,331.65	7,143.72	72.80	73.54	-93.37	-441.45	-1,561.99	338.39	192.39	146.00	2.318		
9,400.00	7,122.68	9,431.65	7,142.28	75.34	76.09	-93.32	-444.68	-1,661.93	338.35	187.26	151.09	2.239		
9,500.00	7,121.52	9,531.65	7,140.84	77.91	78.65	-93.27	-447.91	-1,761.87	338.31	182.09	156.22	2.166		
9,600.00	7,120.36	9,631.65	7,139.39	80.49	81.24	-93.23	-451.14	-1,861.81	338.27	176.87	161.39	2.096		
9,700.00	7,119.19	9,731.65	7,137.95	83.09	83.84	-93.18	-454.37	-1,961.74	338.23	171.63	166.60	2.030		
9,800.00	7,118.03	9,831.65	7,136.51	85.70	86.45	-93.13	-457.60	-2,061.68	338.18	166.35	171.83	1.968		
9,900.00	7,116.87	9,931.65	7,135.07	88.33	89.08	-93.09	-460.84	-2,161.62	338.14	161.05	177.09	1.909		
10,000.00	7,115.70	10,031.65	7,133.62	90.98	91.72	-93.04	-464.07	-2,261.55	338.10	155.72	182.38	1.854		
10,100.00	7,114.54	10,131.65	7,132.18	93.63	94.38	-92.99	-467.30	-2,361.49	338.06	150.37	187.69	1.801		
10,200.00	7,113.38	10,231.65	7,130.74	96.29	97.04	-92.94	-470.53	-2,461.43	338.02	144.99	193.03	1.751		
10,300.00	7,112.21	10,331.65	7,129.29	98.97	99.72	-92.90	-473.76	-2,561.36	337.98	139.60	198.38	1.704		
10,400.00	7,111.05	10,431.65	7,127.85	101.65	102.40	-92.85	-476.99	-2,661.30	337.94	134.19	203.76	1.659		
10,500.00	7,109.89	10,531.65	7,126.41	104.34	105.10	-92.80	-480.22	-2,761.24	337.90	128.76	209.14	1.616		
10,600.00	7,108.72	10,631.65	7,124.96	107.04	107.80	-92.76	-483.45	-2,861.17	337.86	123.32	214.55	1.575		
10,700.00	7,107.56	10,731.65	7,123.52	109.75	110.50	-92.71	-486.68	-2,961.11	337.83	117.86	219.97	1.536		
10,800.00	7,106.40	10,831.65	7,122.08	112.47	113.22	-92.66	-489.91	-3,061.05	337.79	112.38	225.40	1.499 Level 3		
10,900.00	7,105.24	10,931.65	7,120.63	115.19	115.94	-92.61	-493.14	-3,160.99	337.75	106.90	230.85	1.463 Level 3		
11,000.00	7,104.07	11,031.65	7,119.19	117.91	118.66	-92.57	-496.38	-3,260.92	337.71	101.40	236.31	1.429 Level 3		
11,100.00	7,102.91	11,131.64	7,117.75	120.64	121.40	-92.52	-499.61	-3,360.86	337.67	95.90	241.77	1.397 Level 3		
11,200.00	7,101.75	11,231.64	7,116.31	123.38	124.13	-92.47	-502.84	-3,460.80	337.63	90.38	247.25	1.366 Level 3		
11,300.00	7,100.58	11,331.64	7,114.86	126.12	126.87	-92.42	-506.07	-3,560.73	337.60	84.86	252.74	1.336 Level 3		
11,400.00	7,099.42	11,431.64	7,113.42	128.87	129.62	-92.38	-509.30	-3,660.67	337.56	79.32	258.24	1.307 Level 3		
11,500.00	7,098.26	11,531.64	7,111.98	131.62	132.37	-92.33	-512.53	-3,760.61	337.52	73.78	263.74	1.280 Level 3		
11,600.00	7,097.09	11,631.64	7,110.53	134.37	135.12	-92.28	-515.76	-3,860.54	337.49	68.23	269.26	1.253 Level 3		
11,700.00	7,095.93	11,731.64	7,109.09	137.13	137.88	-92.24	-518.99	-3,960.48	337.45	62.67	274.78	1.228 Level 2		
11,800.00	7,094.77	11,831.64	7,107.65	139.89	140.64	-92.19	-522.22	-4,060.42	337.41	57.11	280.30	1.204 Level 2		
11,900.00	7,093.60	11,931.64	7,106.20	142.65	143.40	-92.14	-525.45	-4,160.36	337.38	51.54	285.84	1.180 Level 2		
12,000.00	7,092.44	12,031.64	7,104.76	145.42	146.17	-92.09	-528.68	-4,260.29	337.34	45.96	291.38	1.158 Level 2		
12,100.00	7,091.28	12,131.64	7,103.32	148.19	148.94	-92.05	-531.92	-4,360.23	337.30	40.38	296.93	1.136 Level 2		
12,200.00	7,090.11	12,231.64	7,101.87	150.96	151.71	-92.00	-535.15	-4,460.17	337.27	34.79	302.48	1.115 Level 2		
12,300.00	7,088.95	12,331.64	7,100.43	153.74	154.49	-91.95	-538.38	-4,560.10	337.23	29.20	308.03	1.095 Level 2		
12,400.00	7,087.79	12,431.64	7,098.99	156.52	157.27	-91.90	-541.61	-4,660.04	337.20	23.60	313.60	1.075 Level 2		
12,500.00	7,086.62	12,531.64	7,097.55	159.30	160.05	-91.86	-544.84	-4,759.98	337.16	18.00	319.16	1.056 Level 2		
12,600.00	7,085.46	12,631.64	7,096.10	162.08	162.83	-91.81	-548.07	-4,859.91	337.13	12.40	324.73	1.038 Level 2		
12,700.00	7,084.30	12,731.64	7,094.66	164.86	165.61	-91.76	-551.30	-4,959.85	337.09	6.79	330.31	1.021 Level 2		
12,800.00	7,083.13	12,831.64	7,093.22	167.65	168.40	-91.71	-554.53	-5,059.79	337.06	1.17	335.89	1.003 Level 2		
12,900.00	7,081.97	12,931.64	7,091.77	170.44	171.19	-91.67	-557.76	-5,159.73	337.03	-4.44	341.47	0.987 Level 1		
13,000.00	7,080.81	13,031.64	7,090.33	173.23	173.98	-91.62	-560.99	-5,259.66	336.99	-10.06	347.06	0.971 Level 1		
13,100.00	7,079.64	13,131.64	7,088.89	176.02	176.77	-91.57	-564.22	-5,359.60	336.96	-15.69	352.65	0.956 Level 1		
13,200.00	7,078.48	13,231.64	7,087.44	178.81	179.56	-91.52	-567.45	-5,459.54	336.93	-21.31	358.24	0.941 Level 1		
13,300.00	7,077.32	13,331.64	7,086.00	181.61	182.36	-91.48	-570.69	-5,559.47	336.89	-26.94	363.84	0.926 Level 1		
13,400.00	7,076.16	13,431.64	7,084.56	184.40	185.15	-91.43	-573.92	-5,659.41	336.86	-32.58	369.44	0.912 Level 1		
13,500.00	7,074.99	13,531.64	7,083.11	187.20	187.95	-91.38	-577.15	-5,759.35	336.83	-38.21	375.04	0.898 Level 1		
13,600.00	7,073.83	13,631.64	7,081.67	190.00	190.75	-91.33	-580.38	-5,859.28	336.80	-43.85	380.64	0.885 Level 1		
13,700.00	7,072.67	13,731.63	7,080.23	192.80	193.55	-91.29	-583.61	-5,959.22	336.76	-49.49	386.25	0.872 Level 1		
13,800.00	7,071.50	13,831.63	7,078.79	195.60	196.35	-91.24	-586.84	-6,059.16	336.73	-55.13	391.86	0.859 Level 1		
13,900.00	7,070.34	13,931.63	7,077.34	198.41	199.16	-91.19	-590.07	-6,159.10	336.70	-60.77	397.47	0.847 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 33C-6-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 33C-6-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		
14,000.00	7,069.18	14,031.63	7,075.90	201.21	201.96	-91.14	-593.30	-6,259.03	336.67	-66.41	403.08	0.835 Level 1		
14,100.00	7,068.01	14,131.63	7,074.46	204.02	204.76	-91.10	-596.53	-6,358.97	336.64	-72.06	408.70	0.824 Level 1		
14,200.00	7,066.85	14,231.63	7,073.01	206.82	207.57	-91.05	-599.76	-6,458.91	336.61	-77.71	414.32	0.812 Level 1		
14,300.00	7,065.69	14,331.63	7,071.57	209.63	210.38	-91.00	-602.99	-6,558.84	336.58	-83.36	419.94	0.801 Level 1		
14,400.00	7,064.52	14,431.63	7,070.13	212.44	213.19	-90.95	-606.23	-6,658.78	336.55	-89.01	425.56	0.791 Level 1		
14,500.00	7,063.36	14,531.63	7,068.68	215.25	215.99	-90.91	-609.46	-6,758.72	336.52	-94.67	431.18	0.780 Level 1		
14,600.00	7,062.20	14,631.63	7,067.24	218.06	218.80	-90.86	-612.69	-6,858.65	336.49	-100.32	436.81	0.770 Level 1		
14,700.00	7,061.03	14,731.63	7,066.80	220.87	221.62	-90.81	-615.92	-6,958.59	336.46	-105.98	442.43	0.760 Level 1		
14,800.00	7,059.87	14,831.63	7,064.35	223.68	224.43	-90.76	-619.15	-7,058.53	336.43	-111.63	448.06	0.751 Level 1		
14,900.00	7,058.71	14,931.63	7,062.91	226.49	227.24	-90.72	-622.38	-7,158.47	336.40	-117.29	453.69	0.741 Level 1		
15,000.00	7,057.54	15,031.63	7,061.47	229.30	230.05	-90.67	-625.61	-7,258.40	336.37	-122.95	459.32	0.732 Level 1		
15,100.00	7,056.38	15,131.63	7,060.03	232.12	232.87	-90.62	-628.84	-7,358.34	336.34	-128.61	464.95	0.723 Level 1		
15,200.00	7,055.22	15,231.63	7,058.58	234.93	235.68	-90.57	-632.07	-7,458.28	336.31	-134.27	470.59	0.715 Level 1		
15,300.00	7,054.05	15,331.63	7,057.14	237.75	238.50	-90.53	-635.30	-7,558.21	336.28	-139.94	476.22	0.706 Level 1		
15,400.00	7,052.89	15,431.63	7,055.70	240.56	241.31	-90.48	-638.53	-7,658.15	336.25	-145.60	481.85	0.698 Level 1		
15,500.00	7,051.73	15,531.63	7,054.25	243.38	244.13	-90.43	-641.77	-7,758.09	336.23	-151.26	487.49	0.690 Level 1		
15,600.00	7,050.56	15,631.63	7,052.81	246.20	246.95	-90.38	-645.00	-7,858.02	336.20	-156.93	493.13	0.682 Level 1		
15,648.52	7,050.00	15,680.15	7,052.11	247.57	248.31	-90.36	-646.56	-7,906.52	336.19	-159.68	495.86	0.678 Level 1, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
206.03	206.03	206.03	206.03	3.34	3.34	-173.62	-14.94	-1.67	15.03	8.35	6.68	2.249 CC		
300.00	300.00	299.94	299.92	3.44	3.44	179.81	-15.21	0.05	15.21	8.32	6.89	2.208		
400.00	399.98	399.73	399.57	3.60	3.60	76.24	-16.03	5.20	16.35	9.15	7.20	2.272		
500.00	499.84	499.40	498.85	3.80	3.80	66.81	-17.38	13.77	18.52	10.91	7.61	2.433		
600.00	599.45	601.00	597.72	4.04	4.05	60.26	-19.27	25.69	21.42	13.31	8.11	2.641		
682.50	681.36	681.48	679.45	4.26	4.28	59.53	-21.00	36.59	23.24	14.69	8.55	2.718		
700.00	698.71	701.02	696.79	4.32	4.33	59.93	-21.36	38.91	23.50	14.85	8.66	2.715		
800.00	797.82	798.96	795.88	4.62	4.64	62.02	-23.46	52.12	25.01	15.76	9.25	2.702		
900.00	896.93	901.05	894.97	4.95	4.98	63.87	-25.55	65.34	26.55	16.63	9.92	2.677		
1,000.00	996.04	1,001.07	994.05	5.30	5.34	65.52	-27.64	78.55	28.11	17.49	10.61	2.648		
1,100.00	1,095.15	1,098.92	1,093.14	5.67	5.71	66.99	-29.74	91.76	29.69	18.35	11.34	2.619		
1,200.00	1,194.26	1,201.10	1,192.22	6.05	6.10	68.32	-31.83	104.98	31.29	19.18	12.10	2.585		
1,300.00	1,293.37	1,301.11	1,291.31	6.45	6.50	69.51	-33.92	118.19	32.90	20.02	12.89	2.553		
1,400.00	1,392.48	1,401.13	1,390.39	6.85	6.91	70.59	-36.01	131.41	34.53	20.84	13.69	2.523		
1,500.00	1,491.59	1,501.15	1,489.48	7.26	7.32	71.58	-38.11	144.62	36.17	21.66	14.50	2.494		
1,600.00	1,590.70	1,601.16	1,588.56	7.68	7.74	72.48	-40.20	157.84	37.81	22.48	15.33	2.466		
1,700.00	1,689.81	1,701.18	1,687.65	8.10	8.16	73.30	-42.29	171.05	39.47	23.30	16.17	2.441		
1,800.00	1,788.92	1,801.19	1,786.73	8.53	8.59	74.06	-44.39	184.27	41.13	24.11	17.02	2.416		
1,900.00	1,888.03	1,901.21	1,885.82	8.96	9.03	74.76	-46.48	197.48	42.81	24.92	17.88	2.394		
2,000.00	1,987.14	2,001.22	1,984.91	9.39	9.46	75.40	-48.57	210.70	44.48	25.73	18.75	2.373		
2,100.00	2,086.25	2,098.76	2,083.99	9.83	9.89	76.00	-50.66	223.91	46.16	26.56	19.61	2.354		
2,200.00	2,185.36	2,201.25	2,183.08	10.27	10.35	76.56	-52.76	237.13	47.85	27.35	20.50	2.335		
2,300.00	2,284.47	2,301.27	2,282.16	10.71	10.79	77.08	-54.85	250.34	49.54	28.16	21.38	2.317		
2,400.00	2,383.58	2,401.28	2,381.25	11.15	11.24	77.56	-56.94	263.55	51.24	28.97	22.27	2.301		
2,500.00	2,482.69	2,501.30	2,480.33	11.60	11.68	78.01	-59.04	276.77	52.93	29.78	23.15	2.286		
2,600.00	2,581.80	2,601.31	2,579.42	12.05	12.13	78.44	-61.13	289.98	54.63	30.59	24.05	2.272		
2,700.00	2,680.91	2,701.33	2,678.50	12.50	12.58	78.84	-63.22	303.20	56.34	31.39	24.94	2.259		
2,800.00	2,780.02	2,801.34	2,777.59	12.95	13.04	79.21	-65.32	316.41	58.04	32.20	25.84	2.246		
2,900.00	2,879.13	2,901.36	2,876.68	13.40	13.49	79.57	-67.41	329.63	59.75	33.01	26.74	2.234		
3,000.00	2,978.24	3,001.37	2,975.76	13.85	13.94	79.90	-69.50	342.84	61.46	33.82	27.65	2.223		
3,100.00	3,077.35	3,101.39	3,074.85	14.30	14.40	80.22	-71.59	356.06	63.18	34.63	28.55	2.213		
3,200.00	3,176.46	3,201.40	3,173.93	14.76	14.85	80.52	-73.69	369.27	64.89	35.43	29.46	2.203		
3,300.00	3,275.57	3,301.42	3,273.02	15.21	15.31	80.80	-75.78	382.49	66.61	36.24	30.37	2.193		
3,400.00	3,374.68	3,401.44	3,372.10	15.67	15.77	81.07	-77.87	395.70	68.33	37.05	31.28	2.185		
3,500.00	3,473.79	3,501.45	3,471.19	16.12	16.22	81.33	-79.97	408.91	70.05	37.86	32.19	2.176		
3,600.00	3,572.90	3,601.47	3,570.27	16.58	16.68	81.58	-82.06	422.13	71.77	38.67	33.10	2.168		
3,700.00	3,672.01	3,701.48	3,669.36	17.04	17.14	81.81	-84.15	435.34	73.49	39.47	34.01	2.161		
3,800.00	3,771.12	3,801.50	3,768.45	17.50	17.60	82.03	-86.25	448.56	75.21	40.28	34.93	2.153		
3,900.00	3,870.23	3,901.51	3,867.53	17.95	18.06	82.24	-88.34	461.77	76.94	41.09	35.84	2.146		
4,000.00	3,969.34	4,001.53	3,966.62	18.41	18.52	82.45	-90.43	474.99	78.66	41.90	36.76	2.140		
4,100.00	4,068.45	4,101.54	4,065.70	18.87	18.98	82.64	-92.52	488.20	80.39	42.71	37.68	2.134		
4,200.00	4,167.56	4,201.56	4,164.79	19.33	19.44	82.83	-94.62	501.42	82.11	43.52	38.59	2.128		
4,300.00	4,266.67	4,301.57	4,263.87	19.79	19.90	83.01	-96.71	514.63	83.84	44.33	39.51	2.122		
4,400.00	4,365.78	4,401.59	4,362.96	20.25	20.37	83.18	-98.80	527.85	85.57	45.14	40.43	2.116		
4,500.00	4,464.89	4,501.60	4,462.04	20.71	20.83	83.34	-100.90	541.06	87.30	45.95	41.35	2.111		
4,600.00	4,564.00	4,601.62	4,561.13	21.17	21.29	83.50	-102.99	554.27	89.03	46.76	42.27	2.106		
4,700.00	4,663.11	4,701.63	4,660.22	21.63	21.75	83.65	-105.08	567.49	90.76	47.57	43.19	2.101		
4,800.00	4,762.22	4,801.65	4,759.30	22.09	22.22	83.80	-107.18	580.70	92.49	48.38	44.11	2.097		
4,900.00	4,861.33	4,901.66	4,858.39	22.56	22.68	83.94	-109.27	593.92	94.22	49.19	45.04	2.092		

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 33C-6-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 33C-6-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		
5,000.00	4,960.44	5,001.68	4,957.47	23.02	23.14	84.08	-111.36	607.13	95.96	50.00	45.96	2.088		
5,100.00	5,059.55	5,101.69	5,056.56	23.48	23.60	84.21	-113.45	620.35	97.69	50.81	46.88	2.084		
5,200.00	5,158.66	5,201.71	5,155.64	23.94	24.07	84.33	-115.55	633.56	99.42	51.62	47.80	2.080		
5,300.00	5,257.77	5,301.73	5,254.73	24.40	24.53	84.46	-117.64	646.78	101.16	52.43	48.73	2.076		
5,400.00	5,356.88	5,401.74	5,353.81	24.87	25.00	84.58	-119.73	659.99	102.89	53.24	49.65	2.072		
5,500.00	5,455.99	5,501.76	5,452.90	25.33	25.46	84.69	-121.83	673.21	104.63	54.05	50.58	2.069		
5,600.00	5,555.10	5,601.77	5,551.99	25.79	25.92	84.80	-123.92	686.42	106.36	54.86	51.50	2.065		
5,700.00	5,654.21	5,701.79	5,651.07	26.25	26.39	84.91	-126.01	699.63	108.10	55.67	52.42	2.062		
5,800.00	5,753.32	5,801.80	5,750.16	26.72	26.85	85.01	-128.11	712.85	109.83	56.48	53.35	2.059		
5,900.00	5,852.43	5,901.82	5,849.24	27.18	27.32	85.11	-130.20	726.06	111.57	57.30	54.27	2.056		
6,000.00	5,951.54	6,001.83	5,948.33	27.64	27.78	85.21	-132.29	739.28	113.31	58.11	55.20	2.053		
6,100.00	6,050.65	6,101.85	6,047.41	28.11	28.25	85.30	-134.38	752.49	115.04	58.92	56.13	2.050		
6,200.00	6,149.76	6,201.86	6,146.50	28.57	28.71	85.39	-136.48	765.71	116.78	59.73	57.05	2.047		
6,300.00	6,248.87	6,298.12	6,245.58	29.03	29.16	85.48	-138.57	778.92	118.52	60.56	57.96	2.045		
6,400.00	6,347.98	6,397.64	6,344.77	29.50	29.58	88.80	-140.92	785.32	120.37	61.47	58.91	2.043		
6,475.54	6,422.84	6,470.14	6,417.02	29.85	29.85	95.63	-142.98	780.24	123.33	63.77	59.56	2.071		
6,500.00	6,447.14	6,492.92	6,439.55	29.96	29.93	97.04	-143.69	776.94	124.97	65.26	59.71	2.093		
6,550.00	6,497.05	6,538.87	6,484.56	30.17	30.10	81.33	-145.20	767.86	129.16	69.28	59.87	2.157		
6,600.00	6,547.02	6,584.06	6,528.07	30.37	30.27	-60.69	-146.78	755.79	134.30	74.51	59.79	2.246		
6,650.00	6,596.75	6,628.56	6,569.96	30.55	30.43	-60.30	-148.41	740.91	140.17	80.73	59.44	2.358		
6,700.00	6,645.93	6,672.41	6,610.13	30.74	30.60	-57.52	-150.10	723.43	146.56	87.70	58.85	2.490		
6,750.00	6,694.25	6,715.68	6,648.49	30.93	30.77	-54.60	-151.84	703.50	153.26	95.23	58.04	2.641		
6,800.00	6,741.43	6,758.41	6,684.96	31.12	30.95	-51.88	-153.60	681.31	160.11	103.10	57.02	2.808		
6,850.00	6,787.16	6,800.66	6,719.47	31.32	31.13	-49.43	-155.40	657.02	166.96	111.13	55.83	2.990		
6,900.00	6,831.16	6,842.48	6,751.97	31.52	31.32	-47.27	-157.21	630.77	173.68	119.16	54.52	3.186		
6,950.00	6,873.17	6,883.90	6,782.38	31.74	31.53	-45.39	-159.03	602.73	180.17	127.04	53.12	3.391		
7,000.00	6,912.92	6,924.97	6,810.67	31.96	31.74	-43.75	-160.86	573.02	186.32	134.64	51.68	3.605		
7,050.00	6,950.18	6,965.72	6,836.79	32.21	31.98	-42.34	-162.69	541.80	192.07	141.83	50.24	3.823		
7,100.00	6,984.70	7,006.20	6,860.70	32.48	32.23	-41.14	-164.51	509.20	197.35	148.50	48.85	4.040		
7,150.00	7,016.29	7,046.44	6,882.37	32.77	32.50	-40.14	-166.33	475.35	202.12	154.56	47.56	4.250		
7,200.00	7,044.73	7,086.48	6,901.76	33.10	32.80	-39.30	-168.12	440.37	206.31	159.90	46.42	4.445		
7,250.00	7,069.86	7,126.34	6,918.85	33.46	33.12	-38.63	-169.89	404.41	209.91	164.44	45.47	4.617		
7,300.00	7,091.53	7,166.07	6,933.60	33.86	33.46	-38.12	-171.63	367.57	212.87	168.11	44.76	4.756		
7,350.00	7,109.59	7,205.68	6,945.99	34.30	33.83	-37.74	-173.33	329.99	215.19	170.85	44.34	4.853		
7,400.00	7,123.94	7,245.22	6,956.00	34.78	34.22	-37.51	-175.00	291.78	216.83	172.59	44.24	4.901		
7,450.00	7,134.49	7,284.71	6,963.62	35.29	34.64	-37.40	-176.62	253.07	217.80	173.32	44.48	4.897		
7,500.00	7,141.18	7,324.19	6,968.81	35.84	35.08	-37.43	-178.20	213.98	218.08	173.01	45.07	4.839		
7,550.00	7,143.95	7,363.67	6,971.57	36.42	35.53	-37.59	-179.72	174.63	217.67	171.68	46.00	4.732		
7,567.79	7,144.00	7,377.73	6,971.97	36.63	35.70	-37.68	-180.25	160.58	217.36	170.95	46.41	4.684		
7,588.31	7,143.76	7,393.95	6,972.04	36.88	35.89	-37.74	-180.85	144.37	217.16	170.27	46.89	4.632		
7,600.00	7,143.62	7,404.87	6,971.90	37.03	36.03	-37.75	-181.24	133.46	217.20	170.08	47.12	4.610		
7,700.00	7,142.46	7,504.87	6,970.58	38.38	37.35	-37.80	-184.89	33.54	217.55	168.48	49.08	4.433		
7,800.00	7,141.29	7,604.87	6,969.27	39.88	38.84	-37.86	-188.53	-66.38	217.91	166.65	51.26	4.251		
7,900.00	7,140.13	7,704.87	6,967.95	41.53	40.48	-37.91	-192.18	-166.31	218.27	164.64	53.63	4.070		
8,000.00	7,138.97	7,804.86	6,966.64	43.30	42.24	-37.97	-195.82	-266.23	218.63	162.47	56.16	3.893		
8,100.00	7,137.80	7,904.86	6,965.33	45.18	44.12	-38.03	-199.47	-366.16	218.99	160.15	58.84	3.722		
8,200.00	7,136.64	8,004.86	6,964.01	47.16	46.09	-38.08	-203.11	-466.08	219.35	157.71	61.64	3.559		
8,300.00	7,135.48	8,104.86	6,962.70	49.22	48.15	-38.14	-206.76	-566.00	219.71	155.15	64.56	3.403		
8,400.00	7,134.32	8,204.86	6,961.38	51.36	50.29	-38.19	-210.40	-665.93	220.06	152.49	67.57	3.257		
8,500.00	7,133.15	8,304.86	6,960.07	53.56	52.50	-38.25	-214.05	-765.85	220.42	149.75	70.68	3.119		
8,600.00	7,131.99	8,404.86	6,958.75	55.82	54.76	-38.30	-217.69	-865.78	220.78	146.93	73.86	2.989		
8,700.00	7,130.83	8,504.86	6,957.44	58.13	57.08	-38.36	-221.34	-965.70	221.14	144.04	77.11	2.868		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,800.00	7,129.66	8,604.86	6,956.12	60.49	59.44	-38.41	-224.98	-1,065.62	221.50	141.09	80.42	2.754		
8,900.00	7,128.50	8,704.86	6,954.81	62.89	61.84	-38.47	-228.63	-1,165.55	221.86	138.08	83.78	2.648		
9,000.00	7,127.34	8,804.86	6,953.49	65.32	64.28	-38.52	-232.27	-1,265.47	222.22	135.03	87.20	2.549		
9,100.00	7,126.17	8,904.86	6,952.18	67.79	66.75	-38.57	-235.92	-1,365.40	222.58	131.93	90.66	2.455		
9,200.00	7,125.01	9,004.85	6,950.86	70.28	69.25	-38.63	-239.56	-1,465.32	222.95	128.79	94.16	2.368		
9,300.00	7,123.85	9,104.85	6,949.55	72.80	71.78	-38.68	-243.21	-1,565.24	223.31	125.61	97.70	2.286		
9,400.00	7,122.68	9,204.85	6,948.23	75.34	74.32	-38.74	-246.85	-1,665.17	223.67	122.40	101.27	2.209		
9,500.00	7,121.52	9,304.85	6,946.92	77.91	76.89	-38.79	-250.50	-1,765.09	224.03	119.16	104.87	2.136		
9,600.00	7,120.36	9,404.85	6,945.61	80.49	79.48	-38.84	-254.14	-1,865.02	224.39	115.89	108.50	2.068		
9,700.00	7,119.19	9,504.85	6,944.29	83.09	82.08	-38.89	-257.79	-1,964.94	224.75	112.59	112.16	2.004		
9,800.00	7,118.03	9,604.85	6,942.98	85.70	84.70	-38.95	-261.43	-2,064.86	225.11	109.28	115.84	1.943		
9,900.00	7,116.87	9,704.85	6,941.66	88.33	87.33	-39.00	-265.08	-2,164.79	225.48	105.93	119.55	1.886		
10,000.00	7,115.70	9,804.85	6,940.35	90.98	89.98	-39.05	-268.72	-2,264.71	225.84	102.57	123.27	1.832		
10,100.00	7,114.54	9,904.85	6,939.03	93.63	92.64	-39.11	-272.37	-2,364.64	226.20	99.18	127.02	1.781		
10,200.00	7,113.38	10,004.85	6,937.72	96.29	95.30	-39.16	-276.01	-2,464.56	226.56	95.78	130.78	1.732		
10,300.00	7,112.21	10,104.84	6,936.40	98.97	97.98	-39.21	-279.66	-2,564.48	226.93	92.36	134.57	1.686		
10,400.00	7,111.05	10,204.84	6,935.09	101.65	100.67	-39.26	-283.30	-2,664.41	227.29	88.92	138.37	1.643		
10,500.00	7,109.89	10,304.84	6,933.77	104.34	103.36	-39.31	-286.95	-2,764.33	227.65	85.47	142.19	1.601		
10,600.00	7,108.72	10,404.84	6,932.46	107.04	106.07	-39.36	-290.59	-2,864.26	228.02	82.00	146.02	1.562		
10,700.00	7,107.56	10,504.84	6,931.14	109.75	108.78	-39.42	-294.24	-2,964.18	228.38	78.52	149.86	1.524		
10,800.00	7,106.40	10,604.84	6,929.83	112.47	111.49	-39.47	-297.88	-3,064.11	228.75	75.02	153.72	1.488	Level 3	
10,900.00	7,105.24	10,704.84	6,928.52	115.19	114.21	-39.52	-301.53	-3,164.03	229.11	71.51	157.60	1.454	Level 3	
11,000.00	7,104.07	10,804.84	6,927.20	117.91	116.94	-39.57	-305.17	-3,263.95	229.47	67.99	161.48	1.421	Level 3	
11,100.00	7,102.91	10,904.84	6,925.89	120.64	119.68	-39.62	-308.82	-3,363.88	229.84	64.46	165.38	1.390	Level 3	
11,200.00	7,101.75	11,004.84	6,924.57	123.38	122.41	-39.67	-312.46	-3,463.80	230.20	60.91	169.29	1.360	Level 3	
11,300.00	7,100.58	11,104.84	6,923.26	126.12	125.16	-39.72	-316.11	-3,563.73	230.57	57.35	173.21	1.331	Level 3	
11,400.00	7,099.42	11,204.84	6,921.94	128.87	127.90	-39.77	-319.75	-3,663.65	230.93	53.79	177.15	1.304	Level 3	
11,500.00	7,098.26	11,304.83	6,920.63	131.62	130.66	-39.82	-323.40	-3,763.57	231.30	50.21	181.09	1.277	Level 3	
11,600.00	7,097.09	11,404.83	6,919.31	134.37	133.41	-39.87	-327.04	-3,863.50	231.66	46.62	185.04	1.252	Level 3	
11,700.00	7,095.93	11,504.83	6,918.00	137.13	136.17	-39.92	-330.69	-3,963.42	232.03	43.02	189.01	1.228	Level 2	
11,800.00	7,094.77	11,604.83	6,916.68	139.89	138.93	-39.97	-334.33	-4,063.35	232.39	39.42	192.98	1.204	Level 2	
11,900.00	7,093.60	11,704.83	6,915.37	142.65	141.70	-40.02	-337.98	-4,163.27	232.76	35.80	196.96	1.182	Level 2	
12,000.00	7,092.44	11,804.83	6,914.05	145.42	144.47	-40.07	-341.62	-4,263.19	233.13	32.17	200.95	1.160	Level 2	
12,100.00	7,091.28	11,904.83	6,912.74	148.19	147.24	-40.12	-345.27	-4,363.12	233.49	28.54	204.95	1.139	Level 2	
12,200.00	7,090.11	12,004.83	6,911.43	150.96	150.01	-40.17	-348.91	-4,463.04	233.86	24.89	208.96	1.119	Level 2	
12,300.00	7,088.95	12,104.83	6,910.11	153.74	152.79	-40.21	-352.56	-4,562.97	234.22	21.24	212.98	1.100	Level 2	
12,400.00	7,087.79	12,204.83	6,908.80	156.52	155.56	-40.26	-356.20	-4,662.89	234.59	17.58	217.01	1.081	Level 2	
12,500.00	7,086.62	12,304.83	6,907.48	159.30	158.35	-40.31	-359.85	-4,762.81	234.96	13.92	221.04	1.063	Level 2	
12,600.00	7,085.46	12,404.82	6,906.17	162.08	161.13	-40.36	-363.49	-4,862.74	235.33	10.24	225.09	1.045	Level 2	
12,700.00	7,084.30	12,504.82	6,904.85	164.86	163.91	-40.41	-367.14	-4,962.66	235.69	6.56	229.14	1.029	Level 2	
12,800.00	7,083.13	12,604.82	6,903.54	167.65	166.70	-40.46	-370.78	-5,062.59	236.06	2.87	233.19	1.012	Level 2	
12,900.00	7,081.97	12,704.82	6,902.22	170.44	169.49	-40.50	-374.43	-5,162.51	236.43	-0.83	237.26	0.996	Level 1	
13,000.00	7,080.81	12,804.82	6,900.91	173.23	172.28	-40.55	-378.07	-5,262.43	236.80	-4.54	241.33	0.981	Level 1	
13,100.00	7,079.64	12,904.82	6,899.59	176.02	175.07	-40.60	-381.72	-5,362.36	237.16	-8.25	245.41	0.966	Level 1	
13,200.00	7,078.48	13,004.82	6,898.28	178.81	177.86	-40.65	-385.36	-5,462.28	237.53	-11.97	249.50	0.952	Level 1	
13,300.00	7,077.32	13,104.82	6,896.96	181.61	180.66	-40.69	-389.01	-5,562.21	237.90	-15.70	253.60	0.938	Level 1	
13,400.00	7,076.16	13,204.82	6,895.65	184.40	183.46	-40.74	-392.65	-5,662.13	238.27	-19.43	257.70	0.925	Level 1	
13,500.00	7,074.99	13,304.82	6,894.33	187.20	186.25	-40.79	-396.30	-5,762.05	238.64	-23.17	261.81	0.912	Level 1	
13,600.00	7,073.83	13,404.82	6,893.02	190.00	189.05	-40.83	-399.94	-5,861.98	239.00	-26.92	265.92	0.899	Level 1	
13,700.00	7,072.67	13,504.82	6,891.71	192.80	191.85	-40.88	-403.59	-5,961.90	239.37	-30.67	270.04	0.886	Level 1	
13,800.00	7,071.50	13,604.81	6,890.39	195.60	194.66	-40.93	-407.23	-6,061.83	239.74	-34.43	274.17	0.874	Level 1	
13,900.00	7,070.34	13,704.81	6,889.08	198.41	197.46	-40.97	-410.88	-6,161.75	240.11	-38.19	278.31	0.863	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 33C-6-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 33C-6-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		
14,000.00	7,069.18	13,804.81	6,887.76	201.21	200.26	-41.02	-414.52	-6,261.67	240.48	-41.97	282.45	0.851 Level 1		
14,100.00	7,068.01	13,904.81	6,886.45	204.02	203.07	-41.07	-418.17	-6,361.60	240.85	-45.74	286.59	0.840 Level 1		
14,200.00	7,066.85	14,004.81	6,885.13	206.82	205.87	-41.11	-421.81	-6,461.52	241.22	-49.53	290.75	0.830 Level 1		
14,300.00	7,065.69	14,104.81	6,883.82	209.63	208.68	-41.16	-425.46	-6,561.45	241.59	-53.32	294.91	0.819 Level 1		
14,400.00	7,064.52	14,204.81	6,882.50	212.44	211.49	-41.20	-429.10	-6,661.37	241.96	-57.11	299.07	0.809 Level 1		
14,500.00	7,063.36	14,304.81	6,881.19	215.25	214.30	-41.25	-432.75	-6,761.29	242.33	-60.91	303.24	0.799 Level 1		
14,600.00	7,062.20	14,404.81	6,879.87	218.06	217.11	-41.29	-436.39	-6,861.22	242.70	-64.72	307.42	0.789 Level 1		
14,700.00	7,061.03	14,504.81	6,878.56	220.87	219.92	-41.34	-440.04	-6,961.14	243.07	-68.54	311.61	0.780 Level 1		
14,800.00	7,059.87	14,604.81	6,877.24	223.68	222.73	-41.38	-443.68	-7,061.07	243.44	-72.35	315.80	0.771 Level 1		
14,900.00	7,058.71	14,704.80	6,875.93	226.49	225.54	-41.43	-447.33	-7,160.99	243.81	-76.18	319.99	0.762 Level 1		
15,000.00	7,057.54	14,804.80	6,874.62	229.30	228.35	-41.47	-450.97	-7,260.91	244.18	-80.01	324.19	0.753 Level 1		
15,100.00	7,056.38	14,904.80	6,873.30	232.12	231.17	-41.52	-454.62	-7,360.84	244.55	-83.84	328.40	0.745 Level 1		
15,200.00	7,055.22	15,004.80	6,871.99	234.93	233.98	-41.56	-458.26	-7,460.76	244.92	-87.68	332.61	0.736 Level 1		
15,300.00	7,054.05	15,104.80	6,870.67	237.75	236.80	-41.61	-461.91	-7,560.69	245.30	-91.53	336.83	0.728 Level 1		
15,400.00	7,052.89	15,204.80	6,869.36	240.56	239.61	-41.65	-465.55	-7,660.61	245.67	-95.38	341.05	0.720 Level 1		
15,500.00	7,051.73	15,304.80	6,868.04	243.38	242.43	-41.70	-469.20	-7,760.53	246.04	-99.24	345.28	0.713 Level 1		
15,600.00	7,050.56	15,404.80	6,866.73	246.20	245.25	-41.74	-472.84	-7,860.46	246.41	-103.10	349.51	0.705 Level 1		
15,648.52	7,050.00	15,453.32	6,866.09	247.57	246.61	-41.76	-474.61	-7,908.94	246.59	-104.98	351.57	0.701 Level 1, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	6.23	104.55	11.41	105.17					
100.00	100.00	100.00	100.00	3.28	3.28	6.23	104.55	11.41	105.17	98.60	6.57	16.009		
200.00	200.00	200.00	200.00	3.34	3.34	6.23	104.55	11.41	105.17	98.50	6.67	15.758		
300.00	300.00	300.00	300.00	3.44	3.44	6.23	104.55	11.41	105.17	98.28	6.89	15.265 CC, ES		
400.00	399.98	396.45	396.43	3.60	3.60	-86.29	106.17	11.30	106.70	99.50	7.21	14.808		
500.00	499.84	492.54	492.39	3.80	3.79	-89.18	111.00	10.97	111.51	103.89	7.62	14.637 SF		
600.00	599.45	587.89	587.41	4.04	4.02	-93.40	118.97	10.42	120.10	111.99	8.11	14.806		
682.50	681.36	665.76	664.77	4.26	4.24	-97.42	127.81	9.80	130.49	121.93	8.57	15.230		
700.00	698.71	682.18	681.05	4.32	4.28	-98.32	129.94	9.66	133.11	124.44	8.67	15.354		
800.00	797.82	775.43	773.26	4.62	4.57	-102.76	143.82	8.70	150.50	141.23	9.27	16.238		
900.00	896.93	872.98	869.46	4.95	4.88	-106.35	159.88	7.58	170.20	160.31	9.89	17.217		
1,000.00	996.04	970.52	965.66	5.30	5.21	-109.19	175.94	6.47	190.42	179.88	10.54	18.066		
1,100.00	1,095.15	1,068.06	1,061.87	5.67	5.56	-111.48	192.00	5.36	211.00	199.77	11.23	18.788		
1,200.00	1,194.26	1,165.60	1,158.07	6.05	5.93	-113.37	208.06	4.25	231.84	219.90	11.95	19.404		
1,300.00	1,293.37	1,263.14	1,254.27	6.45	6.31	-114.94	224.12	3.14	252.89	240.21	12.69	19.930		
1,400.00	1,392.48	1,360.68	1,350.48	6.85	6.70	-116.28	240.18	2.02	274.10	260.65	13.45	20.381		
1,500.00	1,491.59	1,458.23	1,446.68	7.26	7.10	-117.42	256.24	0.91	295.43	281.20	14.22	20.768		
1,600.00	1,590.70	1,555.77	1,542.89	7.68	7.50	-118.41	272.30	-0.20	316.85	301.84	15.01	21.102		
1,700.00	1,689.81	1,653.31	1,639.09	8.10	7.91	-119.27	288.36	-1.31	338.35	322.54	15.82	21.393		
1,800.00	1,788.92	1,750.85	1,735.29	8.53	8.33	-120.03	304.42	-2.42	359.92	343.29	16.63	21.646		
1,900.00	1,888.03	1,848.39	1,831.50	8.96	8.75	-120.70	320.48	-3.53	381.54	364.09	17.45	21.867		
2,000.00	1,987.14	1,945.93	1,927.70	9.39	9.17	-121.31	336.54	-4.65	403.21	384.93	18.28	22.063		
2,100.00	2,086.25	2,043.48	2,023.91	9.83	9.60	-121.85	352.60	-5.76	424.91	405.80	19.11	22.236		
2,200.00	2,185.36	2,141.02	2,120.11	10.27	10.02	-122.33	368.66	-6.87	446.65	426.70	19.95	22.389		
2,300.00	2,284.47	2,238.56	2,216.31	10.71	10.46	-122.78	384.73	-7.98	468.41	447.62	20.79	22.527		
2,400.00	2,383.58	2,336.10	2,312.52	11.15	10.89	-123.18	400.79	-9.09	490.20	468.56	21.64	22.650		
2,500.00	2,482.69	2,433.64	2,408.72	11.60	11.33	-123.55	416.85	-10.21	512.01	489.52	22.50	22.761		
2,600.00	2,581.80	2,531.18	2,504.93	12.05	11.76	-123.89	432.91	-11.32	533.84	510.49	23.35	22.861		
2,700.00	2,680.91	2,628.73	2,601.13	12.50	12.20	-124.20	448.97	-12.43	555.69	531.48	24.21	22.952		
2,800.00	2,780.02	2,726.27	2,697.33	12.95	12.64	-124.49	465.03	-13.54	577.55	552.47	25.07	23.034		
2,900.00	2,879.13	2,823.81	2,793.54	13.40	13.08	-124.76	481.09	-14.65	599.42	573.48	25.94	23.110		
3,000.00	2,978.24	2,921.35	2,889.74	13.85	13.52	-125.01	497.15	-15.76	621.30	594.50	26.80	23.179		
3,100.00	3,077.35	3,018.89	2,985.95	14.30	13.97	-125.24	513.21	-16.88	643.20	615.53	27.67	23.242		
3,200.00	3,176.46	3,116.43	3,082.15	14.76	14.41	-125.45	529.27	-17.99	665.10	636.56	28.54	23.301		
3,300.00	3,275.57	3,213.98	3,178.35	15.21	14.86	-125.66	545.33	-19.10	687.02	657.60	29.42	23.354		
3,400.00	3,374.68	3,311.52	3,274.56	15.67	15.30	-125.85	561.39	-20.21	708.94	678.65	30.29	23.404		
3,500.00	3,473.79	3,409.06	3,370.76	16.12	15.75	-126.03	577.45	-21.32	730.86	699.70	31.17	23.450		
3,600.00	3,572.90	3,506.60	3,466.97	16.58	16.20	-126.19	593.51	-22.44	752.80	720.75	32.04	23.493		
3,700.00	3,672.01	3,604.14	3,563.17	17.04	16.64	-126.35	609.57	-23.55	774.74	741.82	32.92	23.533		
3,800.00	3,771.12	3,701.68	3,659.37	17.50	17.09	-126.50	625.63	-24.66	796.68	762.88	33.80	23.570		
3,900.00	3,870.23	3,800.77	3,755.58	17.95	17.55	-126.65	641.69	-25.77	818.63	783.94	34.69	23.600		
4,000.00	3,969.34	3,903.23	3,851.78	18.41	18.02	-126.78	657.76	-26.88	840.59	805.00	35.59	23.618		
4,100.00	4,068.45	4,005.69	3,947.99	18.87	18.49	-126.91	673.82	-27.99	862.54	826.05	36.49	23.635		
4,200.00	4,167.56	4,091.85	4,044.19	19.33	18.89	-127.03	689.88	-29.11	884.51	847.18	37.33	23.697		
4,300.00	4,266.67	4,189.39	4,140.39	19.79	19.34	-127.15	705.94	-30.22	906.47	868.26	38.21	23.724		
4,400.00	4,365.78	4,286.93	4,236.60	20.25	19.79	-127.26	722.00	-31.33	928.44	889.35	39.09	23.749		
4,500.00	4,464.89	4,384.48	4,332.80	20.71	20.24	-127.36	738.06	-32.44	950.42	910.44	39.98	23.773		
4,600.00	4,564.00	4,482.02	4,429.01	21.17	20.69	-127.46	754.12	-33.55	972.39	931.53	40.86	23.796		
4,700.00	4,663.11	4,579.56	4,525.21	21.63	21.14	-127.56	770.18	-34.67	994.37	952.62	41.75	23.818		
4,800.00	4,762.22	4,677.10	4,621.41	22.09	21.59	-127.65	786.24	-35.78	1,016.35	973.71	42.64	23.838		
4,900.00	4,861.33	4,774.64	4,717.62	22.56	22.04	-127.74	802.30	-36.89	1,038.33	994.81	43.52	23.857		
5,000.00	4,960.44	4,872.19	4,813.82	23.02	22.50	-127.82	818.36	-38.00	1,060.32	1,015.91	44.41	23.875		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	4,969.73	4,910.03	23.48	22.95	-127.90	834.42	-39.11	1,082.31	1,037.01	45.30	23.893		
5,200.00	5,158.66	5,067.27	5,006.23	23.94	23.40	-127.98	850.48	-40.22	1,104.30	1,058.11	46.19	23.909		
5,300.00	5,257.77	5,164.81	5,102.43	24.40	23.85	-128.05	866.54	-41.34	1,126.29	1,079.21	47.08	23.925		
5,400.00	5,356.88	5,262.35	5,198.64	24.87	24.31	-128.13	882.60	-42.45	1,148.28	1,100.31	47.97	23.940		
5,500.00	5,455.99	5,359.89	5,294.84	25.33	24.76	-128.19	898.66	-43.56	1,170.27	1,121.42	48.86	23.954		
5,600.00	5,555.10	5,457.44	5,391.04	25.79	25.21	-128.26	914.72	-44.67	1,192.27	1,142.53	49.75	23.967		
5,700.00	5,654.21	5,554.98	5,487.25	26.25	25.66	-128.32	930.79	-45.78	1,214.27	1,163.63	50.64	23.980		
5,800.00	5,753.32	5,652.52	5,583.45	26.72	26.12	-128.39	946.85	-46.90	1,236.27	1,184.74	51.53	23.993		
5,900.00	5,852.43	5,750.06	5,679.66	27.18	26.57	-128.45	962.91	-48.01	1,258.27	1,205.85	52.42	24.005		
6,000.00	5,951.54	5,847.60	5,775.86	27.64	27.03	-128.50	978.97	-49.12	1,280.27	1,226.96	53.31	24.016		
6,100.00	6,050.65	5,945.14	5,872.06	28.11	27.48	-128.56	995.03	-50.23	1,302.27	1,248.07	54.20	24.027		
6,200.00	6,149.76	6,042.69	5,968.27	28.57	27.93	-128.61	1,011.09	-51.34	1,324.28	1,269.18	55.09	24.037		
6,300.00	6,248.87	6,141.80	6,063.38	29.03	28.39	-128.66	1,027.15	-52.45	1,346.29	1,290.29	55.98	24.047		
6,400.00	6,347.98	6,240.91	6,163.49	29.50	28.86	-128.71	1,043.21	-53.56	1,368.30	1,311.40	56.87	24.057		
6,475.54	6,422.84	6,315.81	6,238.38	29.85	29.21	-128.76	1,059.27	-54.67	1,390.31	1,332.51	57.76	24.067		
6,500.00	6,447.14	6,340.11	6,262.68	29.96	29.32	-128.77	1,065.33	-54.88	1,396.37	1,338.57	57.97	24.069		
6,550.00	6,497.05	6,390.02	6,312.59	30.17	29.53	-128.82	1,081.39	-56.00	1,418.38	1,360.58	58.86	24.079		
6,600.00	6,547.02	6,440.09	6,362.66	30.37	29.73	-128.87	1,097.45	-57.11	1,440.39	1,382.59	59.75	24.089		
6,650.00	6,596.75	6,489.82	6,412.39	30.55	29.91	-128.92	1,113.51	-58.22	1,462.40	1,404.60	60.64	24.099		
6,700.00	6,645.93	6,538.99	6,461.56	30.74	30.10	-128.97	1,129.57	-59.33	1,484.41	1,426.61	61.53	24.109		
6,750.00	6,694.25	6,587.31	6,510.88	30.93	30.29	-129.02	1,145.63	-60.44	1,506.42	1,448.62	62.42	24.119		
6,800.00	6,741.43	6,634.49	6,558.06	31.12	30.48	-129.07	1,161.69	-61.55	1,528.43	1,470.63	63.31	24.129		
6,850.00	6,787.16	6,680.22	6,604.79	31.32	30.67	-129.12	1,177.75	-62.66	1,550.44	1,492.64	64.20	24.139		
6,869.47	6,804.51	6,697.57	6,622.14	31.40	30.75	-129.13	1,183.81	-62.87	1,556.50	1,498.70	64.41	24.141		
6,900.00	6,831.16	6,724.22	6,649.79	31.52	30.87	-129.14	1,189.87	-63.08	1,562.56	1,504.76	64.62	24.143		
6,950.00	6,873.17	6,766.23	6,691.80	31.74	31.09	-129.19	1,204.93	-64.20	1,584.57	1,526.77	65.51	24.153		
7,000.00	6,912.92	6,805.98	6,731.55	31.96	31.31	-129.24	1,220.99	-65.31	1,606.58	1,548.78	66.40	24.163		
7,050.00	6,950.18	6,842.24	6,768.81	32.21	31.56	-129.29	1,237.05	-66.42	1,628.59	1,570.79	67.29	24.173		
7,100.00	6,984.70	6,876.76	6,803.33	32.48	31.83	-129.34	1,253.11	-67.53	1,650.60	1,592.80	68.18	24.183		
7,150.00	7,016.29	6,908.35	6,835.92	32.77	32.10	-129.39	1,269.17	-68.64	1,672.61	1,614.81	69.07	24.193		
7,200.00	7,044.73	6,936.79	6,864.36	33.10	32.43	-129.44	1,285.23	-69.75	1,694.62	1,636.82	70.00	24.203		
7,250.00	7,069.86	6,961.92	6,889.49	33.46	32.79	-129.49	1,301.29	-70.86	1,716.63	1,658.83	70.93	24.213		
7,300.00	7,091.53	6,983.59	6,911.16	33.86	33.15	-129.54	1,317.35	-71.97	1,738.64	1,680.84	71.86	24.223		
7,350.00	7,109.59	7,001.65	6,929.22	34.30	33.59	-129.59	1,333.41	-73.08	1,760.65	1,702.85	72.79	24.233		
7,400.00	7,123.94	7,016.00	6,943.57	34.78	34.07	-129.64	1,349.47	-74.19	1,782.66	1,724.86	73.72	24.243		
7,450.00	7,134.49	7,027.55	6,954.12	35.29	34.58	-129.69	1,365.53	-75.30	1,804.67	1,746.87	74.65	24.253		
7,500.00	7,141.18	7,034.24	6,960.81	35.84	35.13	-129.74	1,381.59	-76.41	1,826.68	1,768.88	75.58	24.263		
7,550.00	7,143.95	7,036.01	6,962.58	36.42	35.71	-129.79	1,397.65	-77.52	1,848.69	1,790.89	76.51	24.273		
7,567.79	7,144.00	7,036.06	6,962.63	36.63	35.92	-129.80	1,403.71	-77.73	1,854.75	1,796.95	76.72	24.275		
7,600.00	7,143.62	7,035.68	6,962.25	37.03	36.32	-129.85	1,419.77	-78.84	1,876.76	1,818.96	77.65	24.285		
7,700.00	7,142.46	7,034.52	6,961.09	38.38	37.67	-129.90	1,435.83	-79.95	1,898.77	1,840.97	78.58	24.295		
7,800.00	7,141.29	7,033.35	6,959.92	39.88	39.17	-129.95	1,451.89	-81.06	1,920.78	1,862.98	79.51	24.305		
7,900.00	7,140.13	7,032.19	6,958.76	41.53	40.82	-129.99	1,467.95	-82.17	1,942.79	1,884.99	80.44	24.315		
8,000.00	7,138.97	7,031.03	6,957.60	43.30	42.59	-130.04	1,484.01	-83.28	1,964.80	1,907.00	81.37	24.325		
8,100.00	7,137.80	7,029.87	6,956.44	45.18	44.47	-130.09	1,500.07	-84.39	1,986.81	1,929.01	82.30	24.335		
8,200.00	7,136.64	7,028.71	6,955.28	47.16	46.45	-130.14	1,516.13	-85.50	2,008.82	1,951.02	83.23	24.345		
8,300.00	7,135.48	7,027.55	6,954.12	49.22	48.51	-130.19	1,532.19	-86.61	2,030.83	1,973.03	84.16	24.355		
8,400.00	7,134.32	7,026.39	6,952.96	51.36	50.65	-130.24	1,548.25	-87.72	2,052.84	1,995.04	85.09	24.365		
8,500.00	7,133.15	7,025.23	6,951.80	53.56	52.85	-130.29	1,564.31	-88.83	2,074.85	2,017.05	86.02	24.375		
8,600.00	7,131.99	7,024.07	6,950.64	55.82	55.11	-130.34	1,580.37	-89.94	2,096.86	2,039.06	86.95	24.385		
8,700.00	7,130.83	7,022.91	6,949.48	58.13	57.42	-130.39	1,596.43	-91.05	2,118.87	2,061.07	87.88	24.395		
8,800.00	7,129.66	7,021.75	6,948.32	60.49	59.78	-130.44	1,612.49	-92.16	2,140.88	2,083.08	88.81	24.405		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,529.16	6,441.85	62.89	30.10	58.48	1,090.27	-5.88	1,796.73	1,721.21	75.52	23.793		
9,000.00	7,127.34	6,516.50	6,430.25	65.32	30.05	58.02	1,088.32	-10.59	1,864.69	1,788.75	75.94	24.555		
9,100.00	7,126.17	6,500.00	6,415.02	67.79	29.99	57.42	1,085.77	-16.38	1,935.23	1,858.97	76.25	25.380		
9,200.00	7,125.01	6,500.00	6,415.02	70.28	29.99	57.42	1,085.77	-16.38	2,008.05	1,931.34	76.71	26.178		
9,300.00	7,123.85	6,500.00	6,415.02	72.80	29.99	57.42	1,085.77	-16.38	2,083.13	2,006.03	77.10	27.019		
9,400.00	7,122.68	6,475.79	6,392.41	75.34	29.89	56.54	1,081.97	-24.14	2,159.72	2,082.55	77.17	27.986		
9,500.00	7,121.52	6,467.56	6,384.66	77.91	29.86	56.24	1,080.67	-26.58	2,238.23	2,160.85	77.38	28.924		
9,600.00	7,120.36	6,450.00	6,368.01	80.49	29.79	55.61	1,077.88	-31.45	2,318.37	2,240.91	77.46	29.930		
9,700.00	7,119.19	6,450.00	6,368.01	83.09	29.79	55.61	1,077.88	-31.45	2,399.76	2,322.06	77.69	30.887		
9,800.00	7,118.03	6,450.00	6,368.01	85.70	29.79	55.61	1,077.88	-31.45	2,482.50	2,404.61	77.90	31.869		
9,900.00	7,116.87	6,450.00	6,368.01	88.33	29.79	55.61	1,077.88	-31.45	2,566.48	2,488.41	78.07	32.875		
10,000.00	7,115.70	6,450.00	6,368.01	90.98	29.79	55.61	1,077.88	-31.45	2,651.57	2,573.35	78.22	33.900		
10,100.00	7,114.54	6,429.07	6,348.01	93.63	29.70	54.85	1,074.53	-36.64	2,737.28	2,659.12	78.16	35.022		
10,200.00	7,113.38	6,424.03	6,343.18	96.29	29.68	54.67	1,073.72	-37.79	2,824.09	2,745.85	78.23	36.099		
10,300.00	7,112.21	6,419.30	6,338.62	98.97	29.66	54.50	1,072.96	-38.83	2,911.70	2,833.40	78.29	37.190		
10,400.00	7,111.05	6,400.00	6,319.99	101.65	29.58	53.80	1,069.84	-42.74	3,000.24	2,922.02	78.22	38.357		
10,500.00	7,109.89	6,400.00	6,319.99	104.34	29.58	53.80	1,069.84	-42.74	3,089.18	3,010.87	78.30	39.452		
10,600.00	7,108.72	6,400.00	6,319.99	107.04	29.58	53.80	1,069.84	-42.74	3,178.77	3,100.40	78.37	40.559		
10,700.00	7,107.56	6,400.00	6,319.99	109.75	29.58	53.80	1,069.84	-42.74	3,268.97	3,190.53	78.44	41.676		
10,800.00	7,106.40	6,400.00	6,319.99	112.47	29.58	53.80	1,069.84	-42.74	3,359.72	3,281.23	78.49	42.803		
10,900.00	7,105.24	6,400.00	6,319.99	115.19	29.58	53.80	1,069.84	-42.74	3,450.98	3,372.44	78.54	43.939		
11,000.00	7,104.07	6,400.00	6,319.99	117.91	29.58	53.80	1,069.84	-42.74	3,542.72	3,464.14	78.58	45.083		
11,100.00	7,102.91	6,400.00	6,319.99	120.64	29.58	53.80	1,069.84	-42.74	3,634.89	3,556.27	78.62	46.233		
11,200.00	7,101.75	6,400.00	6,319.99	123.38	29.58	53.80	1,069.84	-42.74	3,727.46	3,648.81	78.65	47.391		
11,300.00	7,100.58	6,400.00	6,319.99	126.12	29.58	53.80	1,069.84	-42.74	3,820.41	3,741.73	78.68	48.554		
11,400.00	7,099.42	6,400.00	6,319.99	128.87	29.58	53.80	1,069.84	-42.74	3,913.71	3,835.00	78.71	49.722		
11,500.00	7,098.26	6,378.85	6,299.43	131.62	29.48	53.04	1,066.39	-46.35	4,006.94	3,928.35	78.59	50.983		
11,600.00	7,097.09	6,376.43	6,297.08	134.37	29.47	52.96	1,066.00	-46.72	4,100.77	4,022.17	78.60	52.171		
11,700.00	7,095.93	6,374.12	6,294.82	137.13	29.46	52.88	1,065.62	-47.07	4,194.88	4,116.27	78.61	53.362		
11,800.00	7,094.77	6,371.90	6,292.66	139.89	29.45	52.80	1,065.26	-47.39	4,289.24	4,210.62	78.62	54.557		
11,900.00	7,093.60	6,350.00	6,271.23	142.65	29.36	52.02	1,061.68	-50.17	4,384.18	4,305.68	78.50	55.852		
12,000.00	7,092.44	6,350.00	6,271.23	145.42	29.36	52.02	1,061.68	-50.17	4,478.95	4,400.43	78.52	57.043		
12,100.00	7,091.28	6,350.00	6,271.23	148.19	29.36	52.02	1,061.68	-50.17	4,573.93	4,495.39	78.54	58.236		
12,200.00	7,090.11	6,350.00	6,271.23	150.96	29.36	52.02	1,061.68	-50.17	4,669.13	4,590.57	78.56	59.432		
12,300.00	7,088.95	6,350.00	6,271.23	153.74	29.36	52.02	1,061.68	-50.17	4,764.53	4,685.94	78.58	60.630		
12,400.00	7,087.79	6,350.00	6,271.23	156.52	29.36	52.02	1,061.68	-50.17	4,860.10	4,781.50	78.60	61.830		
12,500.00	7,086.62	6,350.00	6,271.23	159.30	29.36	52.02	1,061.68	-50.17	4,955.86	4,877.23	78.63	63.031		
12,600.00	7,085.46	6,350.00	6,271.23	162.08	29.36	52.02	1,061.68	-50.17	5,051.78	4,973.13	78.65	64.234		
12,700.00	7,084.30	6,350.00	6,271.23	164.86	29.36	52.02	1,061.68	-50.17	5,147.85	5,069.18	78.67	65.438		
12,800.00	7,083.13	6,350.00	6,271.23	167.65	29.36	52.02	1,061.68	-50.17	5,244.07	5,165.38	78.69	66.644		
12,900.00	7,081.97	6,350.00	6,271.23	170.44	29.36	52.02	1,061.68	-50.17	5,340.43	5,261.72	78.71	67.850		
13,000.00	7,080.81	6,350.00	6,271.23	173.23	29.36	52.02	1,061.68	-50.17	5,436.92	5,358.19	78.73	69.057		
13,100.00	7,079.64	6,350.00	6,271.23	176.02	29.36	52.02	1,061.68	-50.17	5,533.54	5,454.78	78.75	70.264		
13,200.00	7,078.48	6,350.00	6,271.23	178.81	29.36	52.02	1,061.68	-50.17	5,630.27	5,551.49	78.78	71.471		
13,300.00	7,077.32	6,350.00	6,271.23	181.61	29.36	52.02	1,061.68	-50.17	5,727.12	5,648.32	78.80	72.679		
13,400.00	7,076.16	6,350.00	6,271.23	184.40	29.36	52.02	1,061.68	-50.17	5,824.07	5,745.25	78.82	73.887		
13,500.00	7,074.99	6,350.00	6,271.23	187.20	29.36	52.02	1,061.68	-50.17	5,921.12	5,842.28	78.85	75.095		
13,600.00	7,073.83	6,350.00	6,271.23	190.00	29.36	52.02	1,061.68	-50.17	6,018.27	5,939.40	78.87	76.303		
13,700.00	7,072.67	6,350.00	6,271.23	192.80	29.36	52.02	1,061.68	-50.17	6,115.52	6,036.62	78.90	77.510		
13,800.00	7,071.50	6,350.00	6,271.23	195.60	29.36	52.02	1,061.68	-50.17	6,212.85	6,133.92	78.93	78.717		
13,900.00	7,070.34	6,350.00	6,271.23	198.41	29.36	52.02	1,061.68	-50.17	6,310.26	6,231.31	78.95	79.924		
14,000.00	7,069.18	6,350.00	6,271.23	201.21	29.36	52.02	1,061.68	-50.17	6,407.75	6,328.77	78.98	81.129		

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 33C-6-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 33C-6-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		
14,100.00	7,068.01	6,350.00	6,271.23	204.02	29.36	52.02	1,061.68	-50.17	6,505.32	6,426.31	79.01	82.334		
14,200.00	7,066.85	6,350.00	6,271.23	206.82	29.36	52.02	1,061.68	-50.17	6,602.96	6,523.92	79.04	83.539		
14,300.00	7,065.69	6,350.00	6,271.23	209.63	29.36	52.02	1,061.68	-50.17	6,700.67	6,621.60	79.07	84.742		
14,400.00	7,064.52	6,350.00	6,271.23	212.44	29.36	52.02	1,061.68	-50.17	6,798.45	6,719.35	79.10	85.944		
14,500.00	7,063.36	6,350.00	6,271.23	215.25	29.36	52.02	1,061.68	-50.17	6,896.29	6,817.16	79.14	87.146		
14,600.00	7,062.20	6,350.00	6,271.23	218.06	29.36	52.02	1,061.68	-50.17	6,994.20	6,915.03	79.17	88.346		
14,700.00	7,061.03	6,350.00	6,271.23	220.87	29.36	52.02	1,061.68	-50.17	7,092.16	7,012.96	79.20	89.545		
14,800.00	7,059.87	6,350.00	6,271.23	223.68	29.36	52.02	1,061.68	-50.17	7,190.18	7,110.94	79.24	90.742		
14,900.00	7,058.71	6,350.00	6,271.23	226.49	29.36	52.02	1,061.68	-50.17	7,288.25	7,208.97	79.27	91.938		
15,000.00	7,057.54	6,350.00	6,271.23	229.30	29.36	52.02	1,061.68	-50.17	7,386.37	7,307.06	79.31	93.133		
15,100.00	7,056.38	6,350.00	6,271.23	232.12	29.36	52.02	1,061.68	-50.17	7,484.54	7,405.20	79.35	94.326		
15,200.00	7,055.22	6,350.00	6,271.23	234.93	29.36	52.02	1,061.68	-50.17	7,582.76	7,503.38	79.39	95.518		
15,300.00	7,054.05	6,350.00	6,271.23	237.75	29.36	52.02	1,061.68	-50.17	7,681.03	7,601.60	79.43	96.708		
15,400.00	7,052.89	6,350.00	6,271.23	240.56	29.36	52.02	1,061.68	-50.17	7,779.34	7,699.87	79.47	97.896		
15,500.00	7,051.73	6,326.76	6,248.41	243.38	29.25	51.21	1,057.86	-52.29	7,877.24	7,797.86	79.38	99.231		
15,600.00	7,050.56	6,326.09	6,247.75	246.20	29.25	51.18	1,057.75	-52.34	7,975.61	7,896.19	79.42	100.422		
15,648.52	7,050.00	6,325.77	6,247.43	247.57	29.25	51.17	1,057.70	-52.36	8,023.36	7,943.91	79.44	100.999		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	119.49	11.69	120.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	119.49	11.69	120.06	113.49	6.57	18.276		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	119.49	11.69	120.06	113.39	6.67	17.989 CC, ES		
300.00	300.00	295.98	295.97	3.44	3.44	5.48	121.10	11.61	121.72	114.82	6.89	17.653		
400.00	399.98	391.73	391.58	3.60	3.59	-87.00	125.90	11.37	126.59	119.36	7.23	17.521 SF		
500.00	499.84	486.89	486.41	3.80	3.79	-89.40	133.83	10.97	134.74	127.09	7.65	17.620		
600.00	599.45	581.13	580.01	4.04	4.02	-92.76	144.77	10.41	146.58	138.43	8.15	17.993		
682.50	681.36	657.96	656.01	4.26	4.23	-95.92	155.97	9.84	159.45	150.84	8.60	18.533		
700.00	698.71	674.14	671.98	4.32	4.28	-96.65	158.59	9.71	162.55	153.85	8.70	18.675		
800.00	797.82	771.36	767.84	4.62	4.57	-100.53	174.77	8.89	181.28	171.99	9.28	19.527		
900.00	896.93	868.91	864.02	4.95	4.88	-103.69	191.02	8.07	200.67	190.77	9.90	20.274		
1,000.00	996.04	966.46	960.21	5.30	5.22	-106.29	207.27	7.24	220.55	209.99	10.56	20.886		
1,100.00	1,095.15	1,064.02	1,056.39	5.67	5.57	-108.46	223.52	6.42	240.80	229.55	11.25	21.398		
1,200.00	1,194.26	1,161.57	1,152.58	6.05	5.95	-110.29	239.77	5.60	261.33	249.36	11.97	21.825		
1,300.00	1,293.37	1,259.12	1,248.77	6.45	6.33	-111.86	256.01	4.78	282.08	269.36	12.72	22.181		
1,400.00	1,392.48	1,356.67	1,344.95	6.85	6.72	-113.21	272.26	3.95	303.01	289.53	13.48	22.479		
1,500.00	1,491.59	1,454.22	1,441.14	7.26	7.12	-114.39	288.51	3.13	324.07	309.82	14.26	22.729		
1,600.00	1,590.70	1,551.77	1,537.32	7.68	7.53	-115.42	304.76	2.31	345.26	330.21	15.05	22.940		
1,700.00	1,689.81	1,649.33	1,633.51	8.10	7.94	-116.34	321.00	1.48	366.53	350.68	15.85	23.120		
1,800.00	1,788.92	1,746.88	1,729.69	8.53	8.36	-117.15	337.25	0.66	387.89	371.22	16.67	23.273		
1,900.00	1,888.03	1,844.43	1,825.88	8.96	8.78	-117.88	353.50	-0.16	409.32	391.83	17.49	23.404		
2,000.00	1,987.14	1,941.98	1,922.07	9.39	9.21	-118.54	369.75	-0.99	430.80	412.48	18.32	23.518		
2,100.00	2,086.25	2,039.53	2,018.25	9.83	9.64	-119.13	385.99	-1.81	452.33	433.18	19.15	23.616		
2,200.00	2,185.36	2,137.08	2,114.44	10.27	10.07	-119.68	402.24	-2.63	473.90	453.91	19.99	23.701		
2,300.00	2,284.47	2,234.64	2,210.62	10.71	10.50	-120.17	418.49	-3.46	495.51	474.67	20.84	23.776		
2,400.00	2,383.58	2,332.19	2,306.81	11.15	10.93	-120.62	434.74	-4.28	517.16	495.47	21.69	23.842		
2,500.00	2,482.69	2,429.74	2,402.99	11.60	11.37	-121.04	450.99	-5.10	538.83	516.28	22.55	23.900		
2,600.00	2,581.80	2,527.29	2,499.18	12.05	11.81	-121.42	467.23	-5.92	560.52	537.12	23.40	23.951		
2,700.00	2,680.91	2,624.84	2,595.36	12.50	12.25	-121.78	483.48	-6.75	582.24	557.98	24.26	23.996		
2,800.00	2,780.02	2,722.39	2,691.55	12.95	12.69	-122.11	499.73	-7.57	603.98	578.85	25.13	24.037		
2,900.00	2,879.13	2,819.95	2,787.74	13.40	13.13	-122.41	515.98	-8.39	625.74	599.74	25.99	24.073		
3,000.00	2,978.24	2,917.50	2,883.92	13.85	13.58	-122.70	532.22	-9.22	647.51	620.65	26.86	24.106		
3,100.00	3,077.35	3,015.05	2,980.11	14.30	14.02	-122.97	548.47	-10.04	669.29	641.56	27.73	24.135		
3,200.00	3,176.46	3,112.60	3,076.29	14.76	14.47	-123.22	564.72	-10.86	691.09	662.49	28.60	24.161		
3,300.00	3,275.57	3,210.15	3,172.48	15.21	14.91	-123.45	580.97	-11.69	712.90	683.43	29.48	24.185		
3,400.00	3,374.68	3,307.71	3,268.66	15.67	15.36	-123.68	597.22	-12.51	734.73	704.37	30.35	24.207		
3,500.00	3,473.79	3,405.26	3,364.85	16.12	15.81	-123.89	613.46	-13.33	756.56	725.33	31.23	24.227		
3,600.00	3,572.90	3,502.81	3,461.04	16.58	16.25	-124.08	629.71	-14.16	778.40	746.29	32.11	24.244		
3,700.00	3,672.01	3,600.36	3,557.22	17.04	16.70	-124.27	645.96	-14.98	800.25	767.26	32.99	24.261		
3,800.00	3,771.12	3,702.09	3,653.41	17.50	17.17	-124.45	662.21	-15.80	822.10	788.22	33.88	24.262		
3,900.00	3,870.23	3,804.54	3,749.59	17.95	17.64	-124.61	678.45	-16.62	843.97	809.18	34.79	24.261		
4,000.00	3,969.34	3,906.98	3,845.78	18.41	18.11	-124.77	694.70	-17.45	865.84	830.15	35.69	24.259		
4,100.00	4,068.45	4,009.43	3,941.96	18.87	18.59	-124.92	710.95	-18.27	887.71	851.12	36.60	24.256		
4,200.00	4,167.56	4,088.12	4,038.15	19.33	18.95	-125.07	727.20	-19.09	909.60	872.20	37.40	24.324		
4,300.00	4,266.67	4,185.67	4,134.33	19.79	19.40	-125.20	743.45	-19.92	931.48	893.20	38.28	24.334		
4,400.00	4,365.78	4,283.22	4,230.52	20.25	19.85	-125.33	759.69	-20.74	953.37	914.21	39.16	24.343		
4,500.00	4,464.89	4,380.77	4,326.71	20.71	20.30	-125.46	775.94	-21.56	975.27	935.22	40.05	24.351		
4,600.00	4,564.00	4,478.33	4,422.89	21.17	20.76	-125.58	792.19	-22.39	997.17	956.24	40.94	24.359		
4,700.00	4,663.11	4,575.88	4,519.08	21.63	21.21	-125.69	808.44	-23.21	1,019.08	977.25	41.82	24.366		
4,800.00	4,762.22	4,673.43	4,615.26	22.09	21.66	-125.80	824.68	-24.03	1,040.99	998.27	42.71	24.372		
4,900.00	4,861.33	4,770.98	4,711.45	22.56	22.11	-125.91	840.93	-24.86	1,062.90	1,019.30	43.60	24.379		
5,000.00	4,960.44	4,868.53	4,807.63	23.02	22.57	-126.01	857.18	-25.68	1,084.81	1,040.32	44.49	24.384		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	4,966.08	4,903.82	23.48	23.02	-126.10	873.43	-26.50	1,106.73	1,061.35	45.38	24.389		
5,200.00	5,158.66	5,063.64	5,000.01	23.94	23.47	-126.20	889.67	-27.32	1,128.65	1,082.38	46.27	24.394		
5,300.00	5,257.77	5,161.19	5,096.19	24.40	23.92	-126.29	905.92	-28.15	1,150.57	1,103.42	47.16	24.399		
5,400.00	5,356.88	5,258.74	5,192.38	24.87	24.38	-126.37	922.17	-28.97	1,172.50	1,124.45	48.05	24.403		
5,500.00	5,455.99	5,356.29	5,288.56	25.33	24.83	-126.46	938.42	-29.79	1,194.43	1,145.49	48.94	24.407		
5,600.00	5,555.10	5,453.84	5,384.75	25.79	25.29	-126.54	954.67	-30.62	1,216.36	1,166.53	49.83	24.411		
5,700.00	5,654.21	5,551.39	5,480.93	26.25	25.74	-126.61	970.91	-31.44	1,238.29	1,187.57	50.72	24.414		
5,800.00	5,753.32	5,648.95	5,577.12	26.72	26.19	-126.69	987.16	-32.26	1,260.23	1,208.62	51.61	24.417		
5,900.00	5,852.43	5,746.50	5,673.30	27.18	26.65	-126.76	1,003.41	-33.09	1,282.17	1,229.66	52.50	24.420		
6,000.00	5,951.54	5,844.05	5,769.49	27.64	27.10	-126.83	1,019.66	-33.91	1,304.11	1,250.71	53.40	24.423		
6,100.00	6,050.65	5,941.60	5,865.68	28.11	27.56	-126.90	1,035.90	-34.73	1,326.05	1,271.76	54.29	24.426		
6,200.00	6,149.76	6,039.15	5,961.86	28.57	28.01	-126.96	1,052.15	-35.56	1,347.99	1,292.81	55.18	24.428		
6,300.00	6,248.87	6,136.71	6,058.05	29.03	28.47	-127.02	1,068.40	-36.38	1,369.93	1,313.86	56.07	24.430		
6,400.00	6,347.98	6,234.71	6,144.78	29.50	28.93	-127.07	1,084.65	-37.20	1,391.87	1,334.80	56.96	24.432		
6,475.54	6,422.84	6,307.23	6,195.89	29.85	29.28	-127.11	1,100.90	-38.02	1,413.81	1,356.74	57.85	24.434		
6,500.00	6,447.14	6,331.53	6,220.19	29.96	29.39	-127.14	1,112.95	-38.44	1,425.86	1,368.79	58.27	24.436		
6,550.00	6,497.05	6,381.44	6,270.10	30.17	29.60	-115.29	1,129.90	-39.26	1,447.80	1,390.73	59.16	24.438		
6,600.00	6,547.02	6,431.41	6,320.07	30.37	29.80	99.28	1,146.85	-40.08	1,469.74	1,412.67	60.05	24.440		
6,650.00	6,596.75	6,480.14	6,369.80	30.55	30.00	96.38	1,163.90	-40.90	1,491.68	1,434.61	60.94	24.442		
6,700.00	6,645.93	6,529.32	6,419.02	30.74	30.20	95.99	1,180.95	-41.72	1,513.62	1,456.55	61.83	24.444		
6,750.00	6,694.25	6,577.64	6,468.34	30.93	30.39	95.85	1,198.00	-42.54	1,535.56	1,478.49	62.72	24.446		
6,800.00	6,741.43	6,624.82	6,515.52	31.12	30.58	95.59	1,215.05	-43.36	1,557.50	1,500.43	63.61	24.448		
6,850.00	6,787.16	6,670.55	6,561.25	31.32	30.78	95.13	1,232.10	-44.18	1,579.44	1,522.37	64.50	24.450		
6,900.00	6,831.16	6,714.55	6,605.25	31.52	30.98	94.45	1,249.15	-45.00	1,601.38	1,544.31	65.39	24.452		
6,950.00	6,873.17	6,756.56	6,648.26	31.74	31.19	93.56	1,266.20	-45.82	1,623.32	1,566.25	66.28	24.454		
7,000.00	6,912.92	6,795.31	6,686.01	31.96	31.41	92.49	1,283.25	-46.64	1,645.26	1,588.19	67.17	24.456		
7,015.51	6,924.76	6,807.15	6,697.85	32.04	31.49	92.13	1,288.80	-46.98	1,650.81	1,593.74	67.51	24.457		
7,050.00	6,950.18	6,832.57	6,723.27	32.21	31.66	91.28	1,299.35	-47.80	1,666.36	1,609.29	68.40	24.459		
7,100.00	6,984.70	6,867.09	6,757.79	32.48	31.93	89.73	1,314.90	-48.62	1,681.91	1,624.84	69.29	24.461		
7,150.00	7,016.29	6,898.68	6,789.38	32.77	32.22	88.00	1,330.45	-49.44	1,697.46	1,640.39	70.18	24.463		
7,200.00	7,044.73	6,927.12	6,817.82	33.10	32.55	86.34	1,346.00	-50.26	1,713.01	1,655.94	71.07	24.465		
7,250.00	7,069.86	6,952.25	6,842.95	33.46	32.91	84.74	1,361.55	-51.08	1,728.56	1,671.49	71.96	24.467		
7,300.00	7,091.53	6,973.92	6,864.62	33.86	33.31	83.20	1,377.10	-51.90	1,744.11	1,687.04	72.85	24.469		
7,350.00	7,109.59	6,991.98	6,882.68	34.30	33.75	81.72	1,392.65	-52.72	1,759.66	1,702.59	73.74	24.471		
7,400.00	7,123.94	7,006.33	6,897.03	34.78	34.23	80.28	1,408.20	-53.54	1,775.21	1,718.14	74.63	24.473		
7,450.00	7,134.49	7,017.88	6,908.58	35.29	34.74	78.90	1,423.75	-54.36	1,790.76	1,733.69	75.52	24.475		
7,500.00	7,141.18	7,025.57	6,916.27	35.84	35.29	77.58	1,439.30	-55.18	1,806.31	1,749.24	76.41	24.477		
7,550.00	7,143.95	7,028.34	6,919.04	36.42	35.87	76.32	1,454.85	-56.00	1,821.86	1,764.79	77.30	24.479		
7,567.79	7,144.00	7,028.39	6,919.09	36.63	36.08	75.89	1,459.40	-56.42	1,826.41	1,769.34	77.72	24.480		
7,600.00	7,143.62	7,027.91	6,918.71	37.03	36.48	75.32	1,474.95	-57.24	1,841.96	1,784.89	78.61	24.482		
7,700.00	7,142.46	7,026.75	6,917.55	38.38	37.83	73.62	1,490.50	-58.06	1,857.51	1,800.44	79.50	24.484		
7,800.00	7,141.29	7,025.58	6,916.38	39.88	39.33	72.04	1,506.05	-58.88	1,873.06	1,815.99	80.39	24.486		
7,900.00	7,140.13	7,024.42	6,915.22	41.53	41.08	70.61	1,521.60	-59.70	1,888.61	1,831.54	81.28	24.488		
8,000.00	7,138.97	7,023.26	6,914.06	43.30	42.85	69.33	1,537.15	-60.52	1,904.16	1,847.09	82.17	24.490		
8,100.00	7,137.80	7,022.10	6,912.90	45.18	44.73	68.21	1,552.70	-61.34	1,919.71	1,862.64	83.06	24.492		
8,200.00	7,136.64	7,020.94	6,911.74	47.16	46.71	67.21	1,568.25	-62.16	1,935.26	1,878.19	83.95	24.494		
8,300.00	7,135.48	7,019.78	6,910.58	49.22	48.77	66.02	1,583.80	-62.98	1,950.81	1,893.74	84.84	24.496		
8,400.00	7,134.32	7,018.62	6,909.42	51.36	50.91	65.56	1,599.35	-63.80	1,966.36	1,909.29	85.73	24.498		
8,500.00	7,133.15	7,017.46	6,908.26	53.56	53.11	64.87	1,614.90	-64.62	1,981.91	1,924.84	86.62	24.500		
8,600.00	7,131.99	7,016.30	6,907.10	55.82	55.37	64.15	1,630.45	-65.44	1,997.46	1,940.39	87.51	24.502		
8,700.00	7,130.83	7,015.14	6,905.94	58.13	57.68	64.15	1,646.00	-66.26	2,013.01	1,955.94	88.40	24.504		
8,800.00	7,129.66	7,013.98	6,904.78	60.49	59.94	63.20	1,661.55	-67.08	2,028.56	1,971.49	89.29	24.506		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,600.00	6,512.08	62.89	30.58	62.24	1,145.44	-10.83	1,805.14	1,727.61	77.53	23.283		
9,000.00	7,127.34	6,600.00	6,512.08	65.32	30.58	62.24	1,145.44	-10.83	1,872.81	1,794.72	78.09	23.981		
9,100.00	7,126.17	6,600.00	6,512.08	67.79	30.58	62.24	1,145.44	-10.83	1,943.27	1,864.70	78.58	24.731		
9,200.00	7,125.01	6,600.00	6,512.08	70.28	30.58	62.24	1,145.44	-10.83	2,016.23	1,937.24	78.99	25.527		
9,300.00	7,123.85	6,576.48	6,489.80	72.80	30.48	61.34	1,141.60	-17.29	2,090.96	2,011.88	79.08	26.441		
9,400.00	7,122.68	6,569.11	6,482.76	75.34	30.45	61.06	1,140.39	-19.15	2,167.81	2,088.50	79.31	27.333		
9,500.00	7,121.52	6,550.00	6,464.44	77.91	30.37	60.33	1,137.24	-23.56	2,246.54	2,167.17	79.37	28.303		
9,600.00	7,120.36	6,550.00	6,464.44	80.49	30.37	60.33	1,137.24	-23.56	2,326.61	2,247.00	79.61	29.225		
9,700.00	7,119.19	6,550.00	6,464.44	83.09	30.37	60.33	1,137.24	-23.56	2,408.17	2,328.37	79.81	30.174		
9,800.00	7,118.03	6,550.00	6,464.44	85.70	30.37	60.33	1,137.24	-23.56	2,491.08	2,411.10	79.98	31.147		
9,900.00	7,116.87	6,550.00	6,464.44	88.33	30.37	60.33	1,137.24	-23.56	2,575.20	2,495.08	80.12	32.142		
10,000.00	7,115.70	6,550.00	6,464.44	90.98	30.37	60.33	1,137.24	-23.56	2,660.42	2,580.18	80.24	33.156		
10,100.00	7,114.54	6,530.66	6,445.77	93.63	30.29	59.60	1,134.04	-27.47	2,746.31	2,666.14	80.17	34.255		
10,200.00	7,113.38	6,526.53	6,441.77	96.29	30.27	59.44	1,133.35	-28.22	2,833.28	2,753.05	80.23	35.315		
10,300.00	7,112.21	6,522.66	6,438.01	98.97	30.25	59.29	1,132.71	-28.91	2,921.05	2,840.78	80.27	36.389		
10,400.00	7,111.05	6,500.00	6,415.96	101.65	30.15	58.43	1,128.94	-32.46	3,009.88	2,929.74	80.15	37.555		
10,500.00	7,109.89	6,500.00	6,415.96	104.34	30.15	58.43	1,128.94	-32.46	3,098.97	3,018.76	80.21	38.636		
10,600.00	7,108.72	6,500.00	6,415.96	107.04	30.15	58.43	1,128.94	-32.46	3,188.71	3,108.45	80.26	39.729		
10,700.00	7,107.56	6,500.00	6,415.96	109.75	30.15	58.43	1,128.94	-32.46	3,279.04	3,198.73	80.31	40.832		
10,800.00	7,106.40	6,500.00	6,415.96	112.47	30.15	58.43	1,128.94	-32.46	3,369.91	3,289.57	80.34	41.943		
10,900.00	7,105.24	6,500.00	6,415.96	115.19	30.15	58.43	1,128.94	-32.46	3,461.29	3,380.91	80.38	43.063		
11,000.00	7,104.07	6,500.00	6,415.96	117.91	30.15	58.43	1,128.94	-32.46	3,553.14	3,472.73	80.40	44.191		
11,100.00	7,102.91	6,500.00	6,415.96	120.64	30.15	58.43	1,128.94	-32.46	3,645.41	3,564.98	80.43	45.325		
11,200.00	7,101.75	6,500.00	6,415.96	123.38	30.15	58.43	1,128.94	-32.46	3,738.08	3,657.63	80.45	46.465		
11,300.00	7,100.58	6,500.00	6,415.96	126.12	30.15	58.43	1,128.94	-32.46	3,831.12	3,750.65	80.47	47.611		
11,400.00	7,099.42	6,500.00	6,415.96	128.87	30.15	58.43	1,128.94	-32.46	3,924.50	3,844.02	80.48	48.762		
11,500.00	7,098.26	6,500.00	6,415.96	131.62	30.15	58.43	1,128.94	-32.46	4,018.20	3,937.70	80.50	49.917		
11,600.00	7,097.09	6,500.00	6,415.96	134.37	30.15	58.43	1,128.94	-32.46	4,112.20	4,031.69	80.51	51.077		
11,700.00	7,095.93	6,500.00	6,415.96	137.13	30.15	58.43	1,128.94	-32.46	4,206.47	4,125.95	80.52	52.240		
11,800.00	7,094.77	6,500.00	6,415.96	139.89	30.15	58.43	1,128.94	-32.46	4,301.00	4,220.47	80.53	53.407		
11,900.00	7,093.60	6,500.00	6,415.96	142.65	30.15	58.43	1,128.94	-32.46	4,395.78	4,315.23	80.54	54.577		
12,000.00	7,092.44	6,500.00	6,415.96	145.42	30.15	58.43	1,128.94	-32.46	4,490.78	4,410.22	80.55	55.750		
12,100.00	7,091.28	6,500.00	6,415.96	148.19	30.15	58.43	1,128.94	-32.46	4,585.99	4,505.43	80.56	56.924		
12,200.00	7,090.11	6,477.43	6,393.87	150.96	30.05	57.58	1,125.18	-35.21	4,680.97	4,600.54	80.43	58.202		
12,300.00	7,088.95	6,475.95	6,392.43	153.74	30.04	57.53	1,124.93	-35.36	4,776.51	4,696.08	80.43	59.389		
12,400.00	7,087.79	6,474.53	6,391.03	156.52	30.04	57.47	1,124.69	-35.51	4,872.22	4,791.79	80.43	60.577		
12,500.00	7,086.62	6,473.16	6,389.69	159.30	30.03	57.42	1,124.46	-35.64	4,968.11	4,887.67	80.43	61.767		
12,600.00	7,085.46	6,471.84	6,388.39	162.08	30.02	57.37	1,124.24	-35.77	5,064.15	4,983.71	80.44	62.957		
12,700.00	7,084.30	6,450.00	6,366.93	164.86	29.93	56.56	1,120.59	-37.48	5,160.69	5,080.39	80.31	64.260		
12,800.00	7,083.13	6,450.00	6,366.93	167.65	29.93	56.56	1,120.59	-37.48	5,256.98	5,176.65	80.32	65.447		
12,900.00	7,081.97	6,450.00	6,366.93	170.44	29.93	56.56	1,120.59	-37.48	5,353.40	5,273.06	80.34	66.634		
13,000.00	7,080.81	6,450.00	6,366.93	173.23	29.93	56.56	1,120.59	-37.48	5,449.95	5,369.59	80.36	67.822		
13,100.00	7,079.64	6,450.00	6,366.93	176.02	29.93	56.56	1,120.59	-37.48	5,546.62	5,466.25	80.37	69.011		
13,200.00	7,078.48	6,450.00	6,366.93	178.81	29.93	56.56	1,120.59	-37.48	5,643.41	5,563.02	80.39	70.200		
13,300.00	7,077.32	6,450.00	6,366.93	181.61	29.93	56.56	1,120.59	-37.48	5,740.31	5,659.90	80.41	71.389		
13,400.00	7,076.16	6,450.00	6,366.93	184.40	29.93	56.56	1,120.59	-37.48	5,837.31	5,756.88	80.43	72.578		
13,500.00	7,074.99	6,450.00	6,366.93	187.20	29.93	56.56	1,120.59	-37.48	5,934.41	5,853.96	80.45	73.767		
13,600.00	7,073.83	6,450.00	6,366.93	190.00	29.93	56.56	1,120.59	-37.48	6,031.61	5,951.14	80.47	74.956		
13,700.00	7,072.67	6,450.00	6,366.93	192.80	29.93	56.56	1,120.59	-37.48	6,128.90	6,048.41	80.49	76.144		
13,800.00	7,071.50	6,450.00	6,366.93	195.60	29.93	56.56	1,120.59	-37.48	6,226.27	6,145.76	80.51	77.332		
13,900.00	7,070.34	6,450.00	6,366.93	198.41	29.93	56.56	1,120.59	-37.48	6,323.72	6,243.19	80.54	78.520		
14,000.00	7,069.18	6,450.00	6,366.93	201.21	29.93	56.56	1,120.59	-37.48	6,421.26	6,340.70	80.56	79.707		

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 33C-6-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 33C-6-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 25N-3B-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					
14,100.00	7,068.01	6,450.00	6,366.93	204.02	29.93	56.56	1,120.59	-37.48	6,518.87	6,438.28	80.59	80.893					
14,200.00	7,066.85	6,450.00	6,366.93	206.82	29.93	56.56	1,120.59	-37.48	6,616.54	6,535.93	80.61	82.079					
14,300.00	7,065.69	6,450.00	6,366.93	209.63	29.93	56.56	1,120.59	-37.48	6,714.29	6,633.65	80.64	83.263					
14,400.00	7,064.52	6,450.00	6,366.93	212.44	29.93	56.56	1,120.59	-37.48	6,812.11	6,731.44	80.67	84.447					
14,500.00	7,063.36	6,450.00	6,366.93	215.25	29.93	56.56	1,120.59	-37.48	6,909.98	6,829.28	80.70	85.630					
14,600.00	7,062.20	6,450.00	6,366.93	218.06	29.93	56.56	1,120.59	-37.48	7,007.92	6,927.19	80.73	86.811					
14,700.00	7,061.03	6,450.00	6,366.93	220.87	29.93	56.56	1,120.59	-37.48	7,105.91	7,025.15	80.76	87.991					
14,800.00	7,059.87	6,450.00	6,366.93	223.68	29.93	56.56	1,120.59	-37.48	7,203.96	7,123.17	80.79	89.171					
14,900.00	7,058.71	6,450.00	6,366.93	226.49	29.93	56.56	1,120.59	-37.48	7,302.06	7,221.24	80.82	90.348					
15,000.00	7,057.54	6,450.00	6,366.93	229.30	29.93	56.56	1,120.59	-37.48	7,400.21	7,319.36	80.85	91.525					
15,100.00	7,056.38	6,450.00	6,366.93	232.12	29.93	56.56	1,120.59	-37.48	7,498.41	7,417.52	80.89	92.700					
15,200.00	7,055.22	6,450.00	6,366.93	234.93	29.93	56.56	1,120.59	-37.48	7,596.66	7,515.74	80.92	93.873					
15,300.00	7,054.05	6,450.00	6,366.93	237.75	29.93	56.56	1,120.59	-37.48	7,694.95	7,613.99	80.96	95.045					
15,400.00	7,052.89	6,450.00	6,366.93	240.56	29.93	56.56	1,120.59	-37.48	7,793.29	7,712.29	81.00	96.215					
15,500.00	7,051.73	6,450.00	6,366.93	243.38	29.93	56.56	1,120.59	-37.48	7,891.67	7,810.63	81.04	97.384					
15,600.00	7,050.56	6,450.00	6,366.93	246.20	29.93	56.56	1,120.59	-37.48	7,990.09	7,909.01	81.08	98.551					
15,648.52	7,050.00	6,450.00	6,366.93	247.57	29.93	56.56	1,120.59	-37.48	8,037.86	7,956.76	81.09	99.117					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-104.56	-10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.37	-104.56	-10.30	105.06	98.49	6.57	15.993		
200.00	200.00	200.00	200.00	3.34	3.34	-174.37	-104.56	-10.30	105.06	98.39	6.67	15.742 CC, ES		
300.00	300.00	296.46	296.44	3.44	3.44	-174.25	-106.14	-10.69	106.73	99.84	6.89	15.490 SF		
400.00	399.98	392.66	392.51	3.60	3.58	95.36	-110.85	-11.85	111.88	104.67	7.21	15.511		
500.00	499.84	488.21	487.73	3.80	3.77	98.01	-118.62	-13.76	120.85	113.22	7.63	15.842		
600.00	599.45	582.73	581.59	4.04	3.99	101.62	-129.35	-16.40	134.06	125.94	8.12	16.503		
682.50	681.36	659.67	657.70	4.26	4.20	104.88	-140.29	-19.09	148.47	139.89	8.58	17.307		
700.00	698.71	675.85	673.67	4.32	4.24	105.62	-142.85	-19.72	151.94	143.26	8.68	17.505		
800.00	797.82	767.63	763.92	4.62	4.53	109.22	-158.99	-23.69	174.03	164.75	9.27	18.764		
900.00	896.93	858.07	852.30	4.95	4.85	111.83	-177.63	-28.28	199.70	189.81	9.89	20.185		
1,000.00	996.04	947.03	938.59	5.30	5.18	113.69	-198.60	-33.44	228.65	218.11	10.54	21.697		
1,100.00	1,095.15	1,034.37	1,022.62	5.67	5.54	114.98	-221.71	-39.13	260.62	249.43	11.19	23.284		
1,200.00	1,194.26	1,119.98	1,104.25	6.05	5.92	115.84	-246.77	-45.29	295.44	283.59	11.85	24.924		
1,300.00	1,293.37	1,203.76	1,183.35	6.45	6.31	116.40	-273.57	-51.89	332.97	320.46	12.51	26.606		
1,400.00	1,392.48	1,308.02	1,265.93	6.85	6.83	116.77	-303.70	-59.30	372.60	359.31	13.29	28.045		
1,500.00	1,491.59	1,383.68	1,351.72	7.26	7.22	117.08	-335.17	-67.05	412.42	398.46	13.96	29.533		
1,600.00	1,590.70	1,475.39	1,437.50	7.68	7.70	117.34	-366.65	-74.79	452.26	437.52	14.73	30.696		
1,700.00	1,689.81	1,567.10	1,523.29	8.10	8.20	117.56	-398.13	-82.54	492.10	476.58	15.52	31.707		
1,800.00	1,788.92	1,658.81	1,609.08	8.53	8.70	117.74	-429.61	-90.29	531.94	515.62	16.32	32.591		
1,900.00	1,888.03	1,750.51	1,694.87	8.96	9.21	117.89	-461.08	-98.03	571.79	554.65	17.14	33.366		
2,000.00	1,987.14	1,842.22	1,780.65	9.39	9.73	118.03	-492.56	-105.78	611.64	593.67	17.96	34.050		
2,100.00	2,086.25	1,933.93	1,866.44	9.83	10.25	118.15	-524.04	-113.52	651.49	632.69	18.80	34.656		
2,200.00	2,185.36	2,025.64	1,952.23	10.27	10.78	118.26	-555.52	-121.27	691.35	671.70	19.64	35.195		
2,300.00	2,284.47	2,117.34	2,038.01	10.71	11.31	118.35	-586.99	-129.02	731.20	710.71	20.50	35.676		
2,400.00	2,383.58	2,209.05	2,123.80	11.15	11.84	118.44	-618.47	-136.76	771.06	749.71	21.35	36.109		
2,500.00	2,482.69	2,300.76	2,209.59	11.60	12.38	118.51	-649.95	-144.51	810.92	788.70	22.22	36.498		
2,600.00	2,581.80	2,407.53	2,295.38	12.05	13.01	118.58	-681.43	-152.25	850.78	827.62	23.16	36.727		
2,700.00	2,680.91	2,484.17	2,381.16	12.50	13.46	118.65	-712.90	-160.00	890.64	866.68	23.96	37.169		
2,800.00	2,780.02	2,575.88	2,466.95	12.95	14.00	118.70	-744.38	-167.74	930.51	905.67	24.84	37.460		
2,900.00	2,879.13	2,667.59	2,552.74	13.40	14.55	118.76	-775.86	-175.49	970.37	944.65	25.72	37.726		
3,000.00	2,978.24	2,759.30	2,638.52	13.85	15.09	118.80	-807.33	-183.24	1,010.24	983.63	26.61	37.969		
3,100.00	3,077.35	2,851.00	2,724.31	14.30	15.64	118.85	-838.81	-190.98	1,050.10	1,022.61	27.49	38.193		
3,200.00	3,176.46	2,942.71	2,810.10	14.76	16.19	118.89	-870.29	-198.73	1,089.97	1,061.58	28.39	38.399		
3,300.00	3,275.57	3,034.42	2,895.89	15.21	16.74	118.93	-901.77	-206.47	1,129.83	1,100.55	29.28	38.589		
3,400.00	3,374.68	3,126.13	2,981.67	15.67	17.29	118.97	-933.24	-214.22	1,169.70	1,139.52	30.17	38.765		
3,500.00	3,473.79	3,217.83	3,067.46	16.12	17.84	119.00	-964.72	-221.97	1,209.56	1,178.49	31.07	38.928		
3,600.00	3,572.90	3,309.54	3,153.25	16.58	18.40	119.03	-996.20	-229.71	1,249.43	1,217.46	31.97	39.080		
3,700.00	3,672.01	3,401.25	3,239.03	17.04	18.95	119.06	-1,027.68	-237.46	1,289.30	1,256.42	32.87	39.221		
3,800.00	3,771.12	3,492.96	3,324.82	17.50	19.50	119.09	-1,059.15	-245.20	1,329.16	1,295.39	33.78	39.353		
3,900.00	3,870.23	3,584.66	3,410.61	17.95	20.06	119.12	-1,090.63	-252.95	1,369.03	1,334.35	34.68	39.476		
4,000.00	3,969.34	3,684.83	3,504.33	18.41	20.66	119.14	-1,124.96	-261.40	1,408.87	1,373.19	35.68	39.490		
4,100.00	4,068.45	3,861.41	3,671.69	18.87	21.69	119.27	-1,179.56	-274.83	1,445.50	1,408.09	37.41	38.639		
4,200.00	4,167.56	4,045.56	3,849.56	19.33	22.67	119.55	-1,225.73	-286.19	1,476.50	1,437.46	39.04	37.818		
4,300.00	4,266.67	4,236.16	4,036.49	19.79	23.60	119.96	-1,261.73	-295.05	1,501.57	1,461.05	40.53	37.049		
4,400.00	4,365.78	4,431.79	4,230.47	20.25	24.45	120.52	-1,286.04	-301.03	1,520.45	1,478.62	41.84	36.344		
4,500.00	4,464.89	4,630.77	4,429.06	20.71	25.22	121.24	-1,297.53	-303.86	1,532.96	1,490.04	42.93	35.711		
4,600.00	4,564.00	4,765.72	4,564.00	21.17	25.64	121.80	-1,298.38	-304.07	1,540.39	1,496.63	43.77	35.196		
4,700.00	4,663.11	4,864.83	4,663.11	21.63	25.93	122.22	-1,298.38	-304.07	1,547.49	1,502.93	44.57	34.722		
4,800.00	4,762.22	4,963.94	4,762.22	22.09	26.23	122.63	-1,298.38	-304.07	1,554.68	1,509.30	45.37	34.264		
4,900.00	4,861.33	5,063.05	4,861.33	22.56	26.53	123.04	-1,298.38	-304.07	1,561.94	1,515.76	46.18	33.822		
5,000.00	4,960.44	5,162.16	4,960.44	23.02	26.84	123.44	-1,298.38	-304.07	1,569.28	1,522.29	46.99	33.395		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,261.27	5,059.55	23.48	27.15	123.84	-1,298.38	-304.07	1,576.70	1,528.90	47.80	32.982		
5,200.00	5,158.66	5,360.38	5,158.66	23.94	27.46	124.24	-1,298.38	-304.07	1,584.20	1,535.58	48.62	32.583		
5,300.00	5,257.77	5,459.49	5,257.77	24.40	27.78	124.64	-1,298.38	-304.07	1,591.78	1,542.34	49.44	32.197		
5,400.00	5,356.88	5,558.60	5,356.88	24.87	28.10	125.03	-1,298.38	-304.07	1,599.43	1,549.17	50.26	31.824		
5,500.00	5,455.99	5,657.71	5,455.99	25.33	28.42	125.41	-1,298.38	-304.07	1,607.15	1,556.07	51.08	31.463		
5,600.00	5,555.10	5,756.82	5,555.10	25.79	28.75	125.79	-1,298.38	-304.07	1,614.94	1,563.04	51.91	31.113		
5,700.00	5,654.21	5,855.93	5,654.21	26.25	29.08	126.17	-1,298.38	-304.07	1,622.81	1,570.08	52.73	30.774		
5,800.00	5,753.32	5,955.04	5,753.32	26.72	29.41	126.55	-1,298.38	-304.07	1,630.75	1,577.19	53.56	30.446		
5,900.00	5,852.43	6,054.15	5,852.43	27.18	29.74	126.92	-1,298.38	-304.07	1,638.76	1,584.37	54.39	30.129		
6,000.00	5,951.54	6,153.26	5,951.54	27.64	30.08	127.29	-1,298.38	-304.07	1,646.83	1,591.61	55.22	29.821		
6,100.00	6,050.65	6,252.37	6,050.65	28.11	30.42	127.65	-1,298.38	-304.07	1,654.98	1,598.92	56.06	29.523		
6,200.00	6,149.76	6,351.48	6,149.76	28.57	30.76	128.01	-1,298.38	-304.07	1,663.19	1,606.30	56.89	29.234		
6,300.00	6,248.87	6,450.59	6,248.87	29.03	31.10	128.37	-1,294.91	776.09	1,671.44	1,613.74	57.70	28.958		
6,400.00	6,347.98	6,549.70	6,347.98	29.50	31.44	128.72	-1,294.91	789.50	1,679.73	1,621.23	58.51	28.684		
6,475.54	6,422.84	6,626.19	6,422.84	29.85	31.78	129.07	-1,294.84	799.63	1,687.98	1,628.53	58.81	28.426		
6,500.00	6,447.14	6,651.49	6,447.14	29.96	31.87	129.16	-1,294.83	802.44	1,689.94	1,630.53	59.31	28.206		
6,550.00	6,497.05	6,701.40	6,497.05	30.17	32.11	129.39	-1,294.82	805.28	1,692.73	1,633.36	60.68	27.923		
6,600.00	6,547.02	6,751.37	6,547.02	30.37	32.35	129.62	-1,294.82	808.12	1,695.52	1,636.15	61.96	27.638		
6,650.00	6,596.75	6,801.10	6,596.75	30.55	32.59	129.85	-1,294.84	799.20	1,698.27	1,638.90	63.16	27.353		
6,700.00	6,645.93	6,850.83	6,645.93	30.74	32.83	130.08	-1,294.87	790.32	1,701.00	1,641.61	64.26	27.077		
6,750.00	6,694.25	6,899.55	6,694.25	30.93	33.07	130.31	-1,294.91	777.61	1,703.76	1,644.36	65.26	26.801		
6,800.00	6,741.43	6,948.27	6,741.43	31.12	33.31	130.54	-1,294.96	761.14	1,706.51	1,647.11	66.13	26.525		
6,850.00	6,787.16	6,996.99	6,787.16	31.32	33.55	130.77	-1,295.02	741.03	1,709.26	1,649.86	66.89	26.249		
6,900.00	6,831.16	7,045.70	6,831.16	31.52	33.79	131.00	-1,295.10	717.38	1,712.01	1,652.61	67.54	25.973		
6,950.00	6,873.17	7,094.42	6,873.17	31.74	34.03	131.23	-1,295.19	690.36	1,714.76	1,655.36	68.06	25.697		
7,000.00	6,912.92	7,143.14	6,912.92	31.96	34.27	131.46	-1,295.28	660.12	1,717.51	1,658.11	68.46	25.421		
7,050.00	6,950.18	7,191.86	6,950.18	32.21	34.51	131.69	-1,295.39	626.86	1,720.26	1,660.86	68.76	25.145		
7,100.00	6,984.70	7,240.58	6,984.70	32.48	34.75	131.92	-1,295.51	590.77	1,723.01	1,663.61	68.99	24.869		
7,150.00	7,016.29	7,289.30	7,016.29	32.77	35.00	132.15	-1,295.63	552.08	1,725.76	1,666.36	69.12	24.593		
7,200.00	7,044.73	7,338.02	7,044.73	33.10	35.24	132.38	-1,295.76	511.04	1,728.51	1,669.11	69.21	24.317		
7,250.00	7,069.86	7,386.74	7,069.86	33.46	35.48	132.61	-1,295.90	467.88	1,731.26	1,671.86	69.27	24.041		
7,300.00	7,091.53	7,435.46	7,091.53	33.86	35.73	132.84	-1,296.05	422.88	1,734.01	1,674.61	69.30	23.765		
7,350.00	7,109.59	7,484.18	7,109.59	34.30	36.00	133.07	-1,296.19	376.31	1,736.76	1,677.36	69.34	23.489		
7,400.00	7,123.94	7,532.90	7,123.94	34.78	36.27	133.30	-1,296.35	327.80	1,739.51	1,680.11	69.37	23.213		
7,450.00	7,134.49	7,581.62	7,134.49	35.29	36.54	133.53	-1,296.53	270.83	1,742.26	1,682.86	69.38	22.937		
7,500.00	7,141.18	7,630.34	7,141.18	35.84	36.81	133.76	-1,296.71	215.87	1,745.01	1,685.61	69.48	22.661		
7,550.00	7,143.95	7,679.06	7,143.95	36.42	37.08	133.99	-1,296.88	163.20	1,747.76	1,688.36	69.68	22.385		
7,567.79	7,144.00	7,680.00	7,144.00	36.63	37.09	134.00	-1,296.94	145.06	1,748.00	1,688.60	69.76	22.331		
7,600.00	7,143.62	7,679.31	7,143.62	37.03	37.49	134.49	-1,297.04	113.33	1,749.52	1,689.56	69.96	22.105		
7,700.00	7,142.46	7,678.15	7,142.46	38.38	38.26	135.39	-1,297.32	26.07	1,750.64	1,690.68	70.89	21.571		
7,800.00	7,141.29	7,676.98	7,141.29	39.88	39.09	136.38	-1,297.54	-43.65	1,751.44	1,691.29	72.15	20.934		
7,827.38	7,140.98	7,676.67	7,140.98	40.33	39.45	136.82	-1,297.59	-59.87	1,752.01	1,691.77	72.55	20.713		
7,900.00	7,140.13	7,675.81	7,140.13	41.53	39.94	137.37	-1,297.72	-97.60	1,752.49	1,692.08	73.61	20.404		
8,000.00	7,138.97	7,674.42	7,138.97	43.30	40.80	138.49	-1,297.85	-138.77	1,752.93	1,692.33	75.16	19.623		
8,100.00	7,137.80	7,673.25	7,137.80	45.18	41.68	139.68	-1,297.95	-170.15	1,753.24	1,692.56	76.73	18.843		
8,200.00	7,136.64	7,672.10	7,136.64	47.16	42.57	140.93	-1,298.03	-194.20	1,753.55	1,692.78	78.27	18.063		
8,300.00	7,135.48	7,671.00	7,135.48	49.22	43.47	142.24	-1,298.09	-212.81	1,753.86	1,692.99	79.74	17.283		
8,400.00	7,134.32	7,670.00	7,134.32	51.36	44.38	143.60	-1,298.13	-227.39	1,754.17	1,693.20	81.10	16.503		
8,500.00	7,133.15	7,669.00	7,133.15	53.56	45.31	144.99	-1,298.17	-238.94	1,754.48	1,693.41	82.33	15.723		
8,600.00	7,131.99	7,668.00	7,131.99	55.82	46.24	146.40	-1,298.20	-248.21	1,754.79	1,693.62	83.41	14.943		
8,700.00	7,130.83	7,667.00	7,130.83	58.13	47.17	147.81	-1,298.22	-253.33	1,755.10	1,693.83	84.38	14.163		
8,800.00	7,129.66	7,666.00	7,129.66	60.49	48.10	149.22	-1,298.24	-261.89	1,755.41	1,694.04	85.13	13.383		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,000.00	6,794.71	62.89	33.03	-74.46	-1,298.27	-271.06	1,543.60	1,457.90	85.70	18.012		
9,000.00	7,127.34	7,000.00	6,794.71	65.32	33.03	-74.46	-1,298.27	-271.06	1,601.34	1,515.03	86.32	18.552		
9,100.00	7,126.17	7,000.00	6,794.71	67.79	33.03	-74.46	-1,298.27	-271.06	1,663.10	1,576.30	86.80	19.159		
9,200.00	7,125.01	6,977.12	6,772.89	70.28	32.96	-73.53	-1,298.29	-277.94	1,728.00	1,640.94	87.06	19.848		
9,300.00	7,123.85	6,967.62	6,763.76	72.80	32.92	-73.14	-1,298.30	-280.57	1,796.07	1,708.77	87.31	20.572		
9,400.00	7,122.68	6,950.00	6,746.73	75.34	32.86	-72.42	-1,298.32	-285.08	1,866.96	1,779.52	87.44	21.352		
9,500.00	7,121.52	6,950.00	6,746.73	77.91	32.86	-72.42	-1,298.32	-285.08	1,940.16	1,852.56	87.60	22.147		
9,600.00	7,120.36	6,950.00	6,746.73	80.49	32.86	-72.42	-1,298.32	-285.08	2,015.67	1,927.96	87.71	22.981		
9,700.00	7,119.19	6,950.00	6,746.73	83.09	32.86	-72.42	-1,298.32	-285.08	2,093.23	2,005.46	87.78	23.847		
9,800.00	7,118.03	6,931.31	6,728.53	85.70	32.80	-71.65	-1,298.33	-289.34	2,172.32	2,084.60	87.73	24.763		
9,900.00	7,116.87	6,925.70	6,723.04	88.33	32.78	-71.43	-1,298.33	-290.52	2,253.14	2,165.44	87.71	25.689		
10,000.00	7,115.70	6,920.50	6,717.95	90.98	32.76	-71.21	-1,298.34	-291.56	2,335.40	2,247.73	87.67	26.639		
10,100.00	7,114.54	6,900.00	6,697.79	93.63	32.69	-70.38	-1,298.35	-295.28	2,419.17	2,331.62	87.55	27.633		
10,200.00	7,113.38	6,900.00	6,697.79	96.29	32.69	-70.38	-1,298.35	-295.28	2,503.78	2,416.28	87.50	28.614		
10,300.00	7,112.21	6,900.00	6,697.79	98.97	32.69	-70.38	-1,298.35	-295.28	2,589.49	2,502.05	87.45	29.612		
10,400.00	7,111.05	6,900.00	6,697.79	101.65	32.69	-70.38	-1,298.35	-295.28	2,676.20	2,588.82	87.38	30.627		
10,500.00	7,109.89	6,900.00	6,697.79	104.34	32.69	-70.38	-1,298.35	-295.28	2,763.80	2,676.49	87.31	31.656		
10,600.00	7,108.72	6,900.00	6,697.79	107.04	32.69	-70.38	-1,298.35	-295.28	2,852.21	2,764.98	87.23	32.698		
10,700.00	7,107.56	6,900.00	6,697.79	109.75	32.69	-70.38	-1,298.35	-295.28	2,941.37	2,854.22	87.15	33.752		
10,800.00	7,106.40	6,900.00	6,697.79	112.47	32.69	-70.38	-1,298.35	-295.28	3,031.20	2,944.14	87.06	34.816		
10,900.00	7,105.24	6,900.00	6,697.79	115.19	32.69	-70.38	-1,298.35	-295.28	3,121.66	3,034.68	86.98	35.890		
11,000.00	7,104.07	6,900.00	6,697.79	117.91	32.69	-70.38	-1,298.35	-295.28	3,212.68	3,125.78	86.89	36.973		
11,100.00	7,102.91	6,900.00	6,697.79	120.64	32.69	-70.38	-1,298.35	-295.28	3,304.21	3,217.41	86.81	38.063		
11,200.00	7,101.75	6,878.92	6,676.95	123.38	32.61	-69.53	-1,298.36	-298.43	3,395.84	3,309.17	86.67	39.181		
11,300.00	7,100.58	6,876.59	6,674.63	126.12	32.61	-69.43	-1,298.36	-298.73	3,488.20	3,401.61	86.58	40.287		
11,400.00	7,099.42	6,874.37	6,672.43	128.87	32.60	-69.34	-1,298.36	-299.02	3,580.96	3,494.46	86.50	41.398		
11,500.00	7,098.26	6,872.25	6,670.33	131.62	32.59	-69.26	-1,298.36	-299.28	3,674.10	3,587.68	86.42	42.514		
11,600.00	7,097.09	6,850.00	6,648.21	134.37	32.51	-68.37	-1,298.37	-301.62	3,767.94	3,681.65	86.29	43.667		
11,700.00	7,095.93	6,850.00	6,648.21	137.13	32.51	-68.37	-1,298.37	-301.62	3,861.68	3,775.46	86.22	44.789		
11,800.00	7,094.77	6,850.00	6,648.21	139.89	32.51	-68.37	-1,298.37	-301.62	3,955.72	3,869.57	86.15	45.915		
11,900.00	7,093.60	6,850.00	6,648.21	142.65	32.51	-68.37	-1,298.37	-301.62	4,050.05	3,963.96	86.09	47.045		
12,000.00	7,092.44	6,850.00	6,648.21	145.42	32.51	-68.37	-1,298.37	-301.62	4,144.64	4,058.61	86.03	48.178		
12,100.00	7,091.28	6,850.00	6,648.21	148.19	32.51	-68.37	-1,298.37	-301.62	4,239.48	4,153.51	85.97	49.314		
12,200.00	7,090.11	6,850.00	6,648.21	150.96	32.51	-68.37	-1,298.37	-301.62	4,334.55	4,248.64	85.91	50.453		
12,300.00	7,088.95	6,850.00	6,648.21	153.74	32.51	-68.37	-1,298.37	-301.62	4,429.84	4,343.98	85.86	51.594		
12,400.00	7,087.79	6,850.00	6,648.21	156.52	32.51	-68.37	-1,298.37	-301.62	4,525.34	4,439.53	85.81	52.737		
12,500.00	7,086.62	6,850.00	6,648.21	159.30	32.51	-68.37	-1,298.37	-301.62	4,621.02	4,535.26	85.76	53.882		
12,600.00	7,085.46	6,850.00	6,648.21	162.08	32.51	-68.37	-1,298.37	-301.62	4,716.88	4,631.17	85.72	55.029		
12,700.00	7,084.30	6,850.00	6,648.21	164.86	32.51	-68.37	-1,298.37	-301.62	4,812.92	4,727.24	85.67	56.177		
12,800.00	7,083.13	6,850.00	6,648.21	167.65	32.51	-68.37	-1,298.37	-301.62	4,909.11	4,823.47	85.63	57.326		
12,900.00	7,081.97	6,850.00	6,648.21	170.44	32.51	-68.37	-1,298.37	-301.62	5,005.45	4,919.85	85.60	58.477		
13,000.00	7,080.81	6,850.00	6,648.21	173.23	32.51	-68.37	-1,298.37	-301.62	5,101.93	5,016.36	85.56	59.628		
13,100.00	7,079.64	6,850.00	6,648.21	176.02	32.51	-68.37	-1,298.37	-301.62	5,198.54	5,113.01	85.53	60.780		
13,200.00	7,078.48	6,850.00	6,648.21	178.81	32.51	-68.37	-1,298.37	-301.62	5,295.28	5,209.78	85.50	61.933		
13,300.00	7,077.32	6,850.00	6,648.21	181.61	32.51	-68.37	-1,298.37	-301.62	5,392.14	5,306.66	85.47	63.086		
13,400.00	7,076.16	6,850.00	6,648.21	184.40	32.51	-68.37	-1,298.37	-301.62	5,489.11	5,403.66	85.45	64.239		
13,500.00	7,074.99	6,850.00	6,648.21	187.20	32.51	-68.37	-1,298.37	-301.62	5,586.18	5,500.76	85.43	65.393		
13,600.00	7,073.83	6,850.00	6,648.21	190.00	32.51	-68.37	-1,298.37	-301.62	5,683.36	5,597.96	85.40	66.546		
13,700.00	7,072.67	6,850.00	6,648.21	192.80	32.51	-68.37	-1,298.37	-301.62	5,780.64	5,695.25	85.39	67.700		
13,800.00	7,071.50	6,850.00	6,648.21	195.60	32.51	-68.37	-1,298.37	-301.62	5,878.01	5,792.63	85.37	68.853		
13,900.00	7,070.34	6,850.00	6,648.21	198.41	32.51	-68.37	-1,298.37	-301.62	5,975.46	5,890.10	85.36	70.006		
14,000.00	7,069.18	6,850.00	6,648.21	201.21	32.51	-68.37	-1,298.37	-301.62	6,073.00	5,987.65	85.34	71.158		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	
14,100.00	7,068.01	6,850.00	6,648.21	204.02	32.51	-68.37	-1,298.37	-301.62	6,170.61	6,085.28	85.33	72.310	
14,200.00	7,066.85	6,850.00	6,648.21	206.82	32.51	-68.37	-1,298.37	-301.62	6,268.30	6,182.97	85.33	73.462	
14,300.00	7,065.69	6,850.00	6,648.21	209.63	32.51	-68.37	-1,298.37	-301.62	6,366.06	6,280.74	85.32	74.613	
14,400.00	7,064.52	6,850.00	6,648.21	212.44	32.51	-68.37	-1,298.37	-301.62	6,463.89	6,378.58	85.32	75.763	
14,500.00	7,063.36	6,850.00	6,648.21	215.25	32.51	-68.37	-1,298.37	-301.62	6,561.79	6,476.47	85.32	76.912	
14,600.00	7,062.20	6,850.00	6,648.21	218.06	32.51	-68.37	-1,298.37	-301.62	6,659.75	6,574.43	85.32	78.060	
14,700.00	7,061.03	6,850.00	6,648.21	220.87	32.51	-68.37	-1,298.37	-301.62	6,757.77	6,672.45	85.32	79.208	
14,800.00	7,059.87	6,850.00	6,648.21	223.68	32.51	-68.37	-1,298.37	-301.62	6,855.84	6,770.52	85.32	80.354	
14,900.00	7,058.71	6,850.00	6,648.21	226.49	32.51	-68.37	-1,298.37	-301.62	6,953.97	6,868.65	85.33	81.499	
15,000.00	7,057.54	6,850.00	6,648.21	229.30	32.51	-68.37	-1,298.37	-301.62	7,052.15	6,966.82	85.33	82.643	
15,100.00	7,056.38	6,850.00	6,648.21	232.12	32.51	-68.37	-1,298.37	-301.62	7,150.39	7,065.05	85.34	83.786	
15,200.00	7,055.22	6,850.00	6,648.21	234.93	32.51	-68.37	-1,298.37	-301.62	7,248.67	7,163.32	85.35	84.927	
15,300.00	7,054.05	6,850.00	6,648.21	237.75	32.51	-68.37	-1,298.37	-301.62	7,347.00	7,261.63	85.36	86.068	
15,400.00	7,052.89	6,850.00	6,648.21	240.56	32.51	-68.37	-1,298.37	-301.62	7,445.37	7,359.99	85.38	87.206	
15,500.00	7,051.73	6,850.00	6,648.21	243.38	32.51	-68.37	-1,298.37	-301.62	7,543.79	7,458.39	85.39	88.344	
15,600.00	7,050.56	6,850.00	6,648.21	246.20	32.51	-68.37	-1,298.37	-301.62	7,642.24	7,556.83	85.41	89.479	
15,648.52	7,050.00	6,850.00	6,648.21	247.57	32.51	-68.37	-1,298.37	-301.62	7,690.03	7,604.61	85.42	90.030	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 CC, ES		
300.00	300.00	296.97	296.95	3.44	3.44	-174.12	-91.19	-9.39	91.72	84.83	6.89	13.310 SF		
400.00	399.98	393.67	393.53	3.60	3.58	95.83	-95.88	-10.82	96.87	89.65	7.21	13.427		
500.00	499.84	489.70	489.20	3.80	3.77	99.10	-103.62	-13.17	105.91	98.28	7.63	13.877		
600.00	599.45	584.63	583.47	4.04	4.00	103.39	-114.28	-16.42	119.38	111.25	8.13	14.685		
682.50	681.36	661.92	659.92	4.26	4.21	107.13	-125.16	-19.74	134.18	125.60	8.59	15.630		
700.00	698.71	678.94	676.72	4.32	4.25	108.00	-127.77	-20.54	137.70	129.02	8.68	15.863		
800.00	797.82	776.20	772.73	4.62	4.55	112.24	-142.66	-25.07	158.30	149.04	9.25	17.107		
900.00	896.93	873.47	868.74	4.95	4.88	115.49	-157.55	-29.61	179.54	169.67	9.87	18.196		
1,000.00	996.04	970.73	964.75	5.30	5.23	118.06	-172.44	-34.15	201.22	190.69	10.53	19.114		
1,100.00	1,095.15	1,068.00	1,060.76	5.67	5.60	120.12	-187.33	-38.69	223.21	211.99	11.22	19.892		
1,200.00	1,194.26	1,165.26	1,156.77	6.05	5.99	121.82	-202.22	-43.23	245.43	233.49	11.94	20.550		
1,300.00	1,293.37	1,262.53	1,252.78	6.45	6.38	123.23	-217.12	-47.77	267.82	255.13	12.69	21.106		
1,400.00	1,392.48	1,359.79	1,348.79	6.85	6.78	124.43	-232.01	-52.31	290.34	276.89	13.45	21.579		
1,500.00	1,491.59	1,457.05	1,444.81	7.26	7.20	125.45	-246.90	-56.84	312.97	298.73	14.24	21.983		
1,600.00	1,590.70	1,554.32	1,540.82	7.68	7.62	126.34	-261.79	-61.38	335.68	320.65	15.03	22.329		
1,700.00	1,689.81	1,651.58	1,636.83	8.10	8.04	127.11	-276.68	-65.92	358.46	342.61	15.84	22.627		
1,800.00	1,788.92	1,748.85	1,732.84	8.53	8.47	127.80	-291.57	-70.46	381.29	364.63	16.66	22.886		
1,900.00	1,888.03	1,846.11	1,828.85	8.96	8.90	128.40	-306.46	-75.00	404.16	386.67	17.49	23.112		
2,000.00	1,987.14	1,943.38	1,924.86	9.39	9.34	128.94	-321.35	-79.54	427.07	408.75	18.32	23.310		
2,100.00	2,086.25	2,040.64	2,020.87	9.83	9.78	129.43	-336.25	-84.07	450.02	430.86	19.16	23.484		
2,200.00	2,185.36	2,137.91	2,116.88	10.27	10.22	129.86	-351.14	-88.61	472.99	452.98	20.01	23.638		
2,300.00	2,284.47	2,235.17	2,212.89	10.71	10.67	130.26	-366.03	-93.15	495.99	475.13	20.86	23.776		
2,400.00	2,383.58	2,332.44	2,308.90	11.15	11.12	130.62	-380.92	-97.69	519.01	497.29	21.72	23.898		
2,500.00	2,482.69	2,429.70	2,404.91	11.60	11.57	130.95	-395.81	-102.23	542.05	519.47	22.58	24.008		
2,600.00	2,581.80	2,526.97	2,500.92	12.05	12.02	131.26	-410.70	-106.77	565.10	541.66	23.44	24.107		
2,700.00	2,680.91	2,624.23	2,596.93	12.50	12.47	131.54	-425.59	-111.31	588.16	563.86	24.31	24.196		
2,800.00	2,780.02	2,721.50	2,692.95	12.95	12.92	131.80	-440.49	-115.84	611.24	586.06	25.18	24.277		
2,900.00	2,879.13	2,818.76	2,788.96	13.40	13.38	132.04	-455.38	-120.38	634.33	608.28	26.05	24.350		
3,000.00	2,978.24	2,916.03	2,884.97	13.85	13.83	132.26	-470.27	-124.92	657.43	630.51	26.92	24.418		
3,100.00	3,077.35	3,013.29	2,980.98	14.30	14.29	132.47	-485.16	-129.46	680.54	652.74	27.80	24.479		
3,200.00	3,176.46	3,110.55	3,076.99	14.76	14.75	132.67	-500.05	-134.00	703.65	674.97	28.68	24.535		
3,300.00	3,275.57	3,207.82	3,173.00	15.21	15.21	132.85	-514.94	-138.54	726.78	697.22	29.56	24.587		
3,400.00	3,374.68	3,305.08	3,269.01	15.67	15.66	133.02	-529.83	-143.08	749.91	719.47	30.44	24.635		
3,500.00	3,473.79	3,402.35	3,365.02	16.12	16.12	133.18	-544.72	-147.61	773.04	741.72	31.32	24.679		
3,600.00	3,572.90	3,500.39	3,461.03	16.58	16.59	133.33	-559.62	-152.15	796.18	763.97	32.21	24.717		
3,700.00	3,672.01	3,603.12	3,557.04	17.04	17.08	133.48	-574.51	-156.69	819.33	786.21	33.12	24.737		
3,800.00	3,771.12	3,705.86	3,653.05	17.50	17.56	133.61	-589.40	-161.23	842.48	808.44	34.03	24.754		
3,900.00	3,870.23	3,808.59	3,749.06	17.95	18.05	133.74	-604.29	-165.77	865.63	830.69	34.95	24.770		
4,000.00	3,969.34	3,888.67	3,845.08	18.41	18.43	133.86	-619.18	-170.31	888.79	853.04	35.76	24.857		
4,100.00	4,068.45	3,985.94	3,941.09	18.87	18.89	133.98	-634.07	-174.85	911.95	875.31	36.65	24.886		
4,200.00	4,167.56	4,083.20	4,037.10	19.33	19.36	134.08	-648.96	-179.38	935.12	897.58	37.54	24.913		
4,300.00	4,266.67	4,180.47	4,133.11	19.79	19.82	134.19	-663.85	-183.92	958.29	919.86	38.43	24.938		
4,400.00	4,365.78	4,277.73	4,229.12	20.25	20.28	134.29	-678.75	-188.46	981.46	942.14	39.32	24.962		
4,500.00	4,464.89	4,375.00	4,325.13	20.71	20.75	134.38	-693.64	-193.00	1,004.63	964.42	40.21	24.984		
4,600.00	4,564.00	4,472.26	4,421.14	21.17	21.21	134.47	-708.53	-197.54	1,027.81	986.71	41.10	25.005		
4,700.00	4,663.11	4,569.52	4,517.15	21.63	21.68	134.56	-723.42	-202.08	1,050.99	1,008.99	42.00	25.025		
4,800.00	4,762.22	4,666.79	4,613.16	22.09	22.14	134.64	-738.31	-206.61	1,074.17	1,031.28	42.89	25.043		
4,900.00	4,861.33	4,764.05	4,709.17	22.56	22.61	134.72	-753.20	-211.15	1,097.35	1,053.57	43.79	25.061		
5,000.00	4,960.44	4,861.32	4,805.18	23.02	23.07	134.80	-768.09	-215.69	1,120.54	1,075.86	44.68	25.078		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	4,958.58	4,901.19	23.48	23.54	134.87	-782.98	-220.23	1,143.72	1,098.15	45.58	25.094		
5,200.00	5,158.66	5,055.85	4,997.20	23.94	24.00	134.94	-797.88	-224.77	1,166.91	1,120.44	46.47	25.109		
5,300.00	5,257.77	5,153.11	5,093.22	24.40	24.47	135.01	-812.77	-229.31	1,190.10	1,142.73	47.37	25.123		
5,400.00	5,356.88	5,250.38	5,189.23	24.87	24.93	135.07	-827.66	-233.85	1,213.29	1,165.03	48.27	25.137		
5,500.00	5,455.99	5,347.64	5,285.24	25.33	25.40	135.13	-842.55	-238.38	1,236.49	1,187.32	49.17	25.150		
5,600.00	5,555.10	5,444.91	5,381.25	25.79	25.87	135.19	-857.44	-242.92	1,259.68	1,209.62	50.06	25.162		
5,700.00	5,654.21	5,542.17	5,477.26	26.25	26.33	135.25	-872.33	-247.46	1,282.88	1,231.92	50.96	25.174		
5,800.00	5,753.32	5,639.44	5,573.27	26.72	26.80	135.31	-887.22	-252.00	1,306.07	1,254.21	51.86	25.185		
5,900.00	5,852.43	5,736.70	5,669.28	27.18	27.27	135.36	-902.12	-256.54	1,329.27	1,276.51	52.76	25.196		
6,000.00	5,951.54	5,833.97	5,765.29	27.64	27.73	135.41	-917.01	-261.08	1,352.47	1,298.81	53.66	25.206		
6,100.00	6,050.65	5,933.08	5,861.40	28.11	28.20	135.47	-931.90	-265.62	1,375.67	1,321.01	54.56	25.217		
6,200.00	6,149.76	6,032.19	5,952.51	28.57	28.66	135.53	-946.79	-270.16	1,398.87	1,343.21	55.46	25.228		
6,300.00	6,248.87	6,131.30	6,053.62	29.03	29.12	135.59	-961.68	-274.70	1,422.07	1,365.41	56.36	25.239		
6,400.00	6,347.98	6,230.41	6,154.73	29.50	29.59	135.65	-976.57	-279.24	1,445.27	1,387.61	57.26	25.250		
6,475.54	6,422.84	6,305.31	6,239.63	29.85	29.94	135.71	-991.46	-283.78	1,468.47	1,409.81	58.16	25.261		
6,500.00	6,447.14	6,330.01	6,264.33	29.96	30.05	135.77	-1,006.35	-288.32	1,491.67	1,432.01	59.06	25.272		
6,550.00	6,497.05	6,380.92	6,315.24	30.17	30.26	135.83	-1,021.24	-292.86	1,514.87	1,454.21	59.96	25.283		
6,600.00	6,547.02	6,431.83	6,366.15	30.37	30.46	135.89	-1,036.13	-297.40	1,538.07	1,476.41	60.86	25.294		
6,650.00	6,596.75	6,481.56	6,416.88	30.55	30.64	135.95	-1,051.02	-301.94	1,561.27	1,498.61	61.76	25.305		
6,700.00	6,645.93	6,531.29	6,467.59	30.74	30.83	136.01	-1,065.91	-306.48	1,584.47	1,520.81	62.66	25.316		
6,750.00	6,694.25	6,580.01	6,518.30	30.93	31.02	136.07	-1,080.80	-311.02	1,607.67	1,543.01	63.56	25.327		
6,800.00	6,741.43	6,628.19	6,568.48	31.12	31.21	136.13	-1,095.69	-315.56	1,630.87	1,565.21	64.46	25.338		
6,850.00	6,787.16	6,676.42	6,618.71	31.32	31.41	136.19	-1,110.58	-320.10	1,654.07	1,587.41	65.36	25.349		
6,900.00	6,831.16	6,720.41	6,662.70	31.52	31.61	136.25	-1,125.47	-324.64	1,677.27	1,609.61	66.26	25.360		
6,950.00	6,873.17	6,764.40	6,706.69	31.74	31.83	136.31	-1,140.36	-329.18	1,700.47	1,631.81	67.16	25.371		
7,000.00	6,912.92	6,806.15	6,748.44	31.96	32.05	136.37	-1,155.25	-333.72	1,723.67	1,654.01	68.06	25.382		
7,027.93	6,934.06	6,828.29	6,770.58	32.10	32.19	136.43	-1,169.14	-338.26	1,746.87	1,676.21	68.96	25.393		
7,050.00	6,950.18	6,844.41	6,786.70	32.21	32.30	136.49	-1,183.03	-342.80	1,769.07	1,698.41	69.86	25.404		
7,100.00	6,984.70	6,879.93	6,821.22	32.48	32.57	136.55	-1,197.92	-347.34	1,792.27	1,720.61	70.76	25.415		
7,150.00	7,016.29	6,911.52	6,852.81	32.77	32.86	136.61	-1,212.81	-351.88	1,815.47	1,742.81	71.66	25.426		
7,200.00	7,044.73	6,939.96	6,881.25	33.10	33.19	136.67	-1,227.70	-356.42	1,838.67	1,765.01	72.56	25.437		
7,250.00	7,069.86	6,964.09	6,905.38	33.46	33.55	136.73	-1,242.59	-360.96	1,861.87	1,787.21	73.46	25.448		
7,300.00	7,091.53	6,985.76	6,926.05	33.86	33.95	136.79	-1,257.48	-365.50	1,885.07	1,809.41	74.36	25.459		
7,350.00	7,109.59	7,003.82	6,944.11	34.30	34.39	136.85	-1,272.37	-370.04	1,908.27	1,831.61	75.26	25.470		
7,400.00	7,123.94	7,018.17	6,958.46	34.78	34.87	136.91	-1,287.26	-374.58	1,931.47	1,853.81	76.16	25.481		
7,450.00	7,134.49	7,029.72	6,969.01	35.29	35.38	136.97	-1,302.15	-379.12	1,954.67	1,876.01	77.06	25.492		
7,500.00	7,141.18	7,037.41	6,976.70	35.84	35.93	137.03	-1,317.04	-383.66	1,977.87	1,898.21	77.96	25.503		
7,550.00	7,143.95	7,040.18	6,979.47	36.42	36.51	137.09	-1,331.93	-388.20	1,999.07	1,920.41	78.86	25.514		
7,567.79	7,144.00	7,040.23	6,979.52	36.63	36.72	137.15	-1,346.82	-392.74	2,020.27	1,942.61	79.76	25.525		
7,598.49	7,143.64	7,039.87	6,979.16	37.01	37.10	137.21	-1,361.71	-397.28	2,041.47	1,964.81	80.66	25.536		
7,600.00	7,143.62	7,039.85	6,979.14	37.03	37.12	137.23	-1,363.04	-397.61	2,043.80	1,966.14	80.79	25.538		
7,700.00	7,142.46	7,038.69	6,978.00	38.38	38.47	137.29	-1,377.93	-402.15	2,065.00	1,988.34	81.69	25.549		
7,800.00	7,141.29	7,037.52	6,976.83	39.88	39.97	137.35	-1,392.82	-406.69	2,086.20	2,010.54	82.59	25.560		
7,900.00	7,140.13	7,036.36	6,975.67	41.53	41.62	137.41	-1,407.71	-411.23	2,107.40	2,032.74	83.49	25.571		
8,000.00	7,138.97	7,035.20	6,974.51	43.30	43.39	137.47	-1,422.60	-415.77	2,128.60	2,054.94	84.39	25.582		
8,100.00	7,137.80	7,034.04	6,973.35	45.18	45.27	137.53	-1,437.49	-420.31	2,149.80	2,077.14	85.29	25.593		
8,200.00	7,136.64	7,032.88	6,972.19	47.16	47.25	137.59	-1,452.38	-424.85	2,171.00	2,099.34	86.19	25.604		
8,300.00	7,135.48	7,031.72	6,971.03	49.22	49.31	137.65	-1,467.27	-429.39	2,192.20	2,121.54	87.09	25.615		
8,400.00	7,134.32	7,030.56	6,969.87	51.36	51.45	137.71	-1,482.16	-433.93	2,213.40	2,143.74	87.99	25.626		
8,500.00	7,133.15	7,029.40	6,968.71	53.56	53.65	137.77	-1,497.05	-438.47	2,234.60	2,165.94	88.89	25.637		
8,600.00	7,131.99	7,028.24	6,967.55	55.82	55.91	137.83	-1,511.94	-443.01	2,255.80	2,188.14	89.79	25.648		
8,700.00	7,130.83	7,027.08	6,966.39	58.13	58.22	137.89	-1,526.83	-447.55	2,277.00	2,210.34	90.69	25.659		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,800.00	7,129.66	6,650.00	6,559.32	60.49	31.37	-59.38	-1,040.01	-210.47	1,405.82	1,329.31	76.50	18.376				
8,900.00	7,128.50	6,619.94	6,532.73	62.89	31.27	-58.13	-1,035.91	-223.87	1,465.88	1,389.22	76.66	19.122				
9,000.00	7,127.34	6,600.00	6,514.76	65.32	31.20	-57.30	-1,033.14	-232.05	1,529.81	1,452.92	76.90	19.895				
9,100.00	7,126.17	6,600.00	6,514.76	67.79	31.20	-57.30	-1,033.14	-232.05	1,597.13	1,519.76	77.36	20.645				
9,200.00	7,125.01	6,577.96	6,494.61	70.28	31.13	-56.38	-1,030.03	-240.42	1,667.27	1,589.86	77.42	21.536				
9,300.00	7,123.85	6,566.48	6,484.01	72.80	31.09	-55.90	-1,028.39	-244.50	1,740.16	1,662.59	77.57	22.433				
9,400.00	7,122.68	6,550.00	6,468.66	75.34	31.03	-55.22	-1,026.02	-250.01	1,815.45	1,737.85	77.61	23.393				
9,500.00	7,121.52	6,550.00	6,468.66	77.91	31.03	-55.22	-1,026.02	-250.01	1,892.80	1,814.99	77.82	24.324				
9,600.00	7,120.36	6,550.00	6,468.66	80.49	31.03	-55.22	-1,026.02	-250.01	1,972.19	1,894.21	77.98	25.292				
9,700.00	7,119.19	6,529.47	6,449.35	83.09	30.95	-54.36	-1,023.04	-256.32	2,052.99	1,975.13	77.86	26.367				
9,800.00	7,118.03	6,521.96	6,442.24	85.70	30.92	-54.05	-1,021.94	-258.47	2,135.43	2,057.56	77.88	27.420				
9,900.00	7,116.87	6,500.00	6,421.31	88.33	30.84	-53.15	-1,018.71	-264.27	2,219.44	2,141.72	77.72	28.558				
10,000.00	7,115.70	6,500.00	6,421.31	90.98	30.84	-53.15	-1,018.71	-264.27	2,304.31	2,226.52	77.78	29.625				
10,100.00	7,114.54	6,500.00	6,421.31	93.63	30.84	-53.15	-1,018.71	-264.27	2,390.35	2,312.52	77.83	30.712				
10,200.00	7,113.38	6,500.00	6,421.31	96.29	30.84	-53.15	-1,018.71	-264.27	2,477.43	2,399.57	77.86	31.819				
10,300.00	7,112.21	6,500.00	6,421.31	98.97	30.84	-53.15	-1,018.71	-264.27	2,565.46	2,487.59	77.88	32.943				
10,400.00	7,111.05	6,500.00	6,421.31	101.65	30.84	-53.15	-1,018.71	-264.27	2,654.34	2,576.46	77.88	34.081				
10,500.00	7,109.89	6,500.00	6,421.31	104.34	30.84	-53.15	-1,018.71	-264.27	2,743.98	2,666.10	77.88	35.234				
10,600.00	7,108.72	6,477.66	6,399.83	107.04	30.76	-52.23	-1,015.39	-269.41	2,833.86	2,756.18	77.68	36.479				
10,700.00	7,107.56	6,473.55	6,395.85	109.75	30.74	-52.07	-1,014.77	-270.27	2,924.65	2,847.00	77.64	37.668				
10,800.00	7,106.40	6,469.67	6,392.10	112.47	30.72	-51.91	-1,014.19	-271.07	3,015.98	2,938.38	77.60	38.865				
10,900.00	7,105.24	6,450.00	6,373.00	115.19	30.65	-51.11	-1,011.24	-274.72	3,108.06	3,030.63	77.43	40.140				
11,000.00	7,104.07	6,450.00	6,373.00	117.91	30.65	-51.11	-1,011.24	-274.72	3,200.28	3,122.86	77.42	41.336				
11,100.00	7,102.91	6,450.00	6,373.00	120.64	30.65	-51.11	-1,011.24	-274.72	3,292.96	3,215.55	77.41	42.541				
11,200.00	7,101.75	6,450.00	6,373.00	123.38	30.65	-51.11	-1,011.24	-274.72	3,386.05	3,308.66	77.39	43.751				
11,300.00	7,100.58	6,450.00	6,373.00	126.12	30.65	-51.11	-1,011.24	-274.72	3,479.53	3,402.15	77.38	44.968				
11,400.00	7,099.42	6,450.00	6,373.00	128.87	30.65	-51.11	-1,011.24	-274.72	3,573.36	3,496.00	77.36	46.191				
11,500.00	7,098.26	6,450.00	6,373.00	131.62	30.65	-51.11	-1,011.24	-274.72	3,667.51	3,590.17	77.34	47.418				
11,600.00	7,097.09	6,450.00	6,373.00	134.37	30.65	-51.11	-1,011.24	-274.72	3,761.97	3,684.64	77.33	48.649				
11,700.00	7,095.93	6,450.00	6,373.00	137.13	30.65	-51.11	-1,011.24	-274.72	3,856.71	3,779.40	77.31	49.885				
11,800.00	7,094.77	6,450.00	6,373.00	139.89	30.65	-51.11	-1,011.24	-274.72	3,951.70	3,874.41	77.30	51.123				
11,900.00	7,093.60	6,450.00	6,373.00	142.65	30.65	-51.11	-1,011.24	-274.72	4,046.94	3,969.66	77.28	52.365				
12,000.00	7,092.44	6,450.00	6,373.00	145.42	30.65	-51.11	-1,011.24	-274.72	4,142.40	4,065.13	77.27	53.609				
12,100.00	7,091.28	6,450.00	6,373.00	148.19	30.65	-51.11	-1,011.24	-274.72	4,238.07	4,160.82	77.26	54.856				
12,200.00	7,090.11	6,450.00	6,373.00	150.96	30.65	-51.11	-1,011.24	-274.72	4,333.94	4,256.69	77.25	56.105				
12,300.00	7,088.95	6,450.00	6,373.00	153.74	30.65	-51.11	-1,011.24	-274.72	4,429.99	4,352.75	77.24	57.355				
12,400.00	7,087.79	6,428.02	6,351.54	156.52	30.55	-50.24	-1,007.91	-278.09	4,525.79	4,448.69	77.10	58.703				
12,500.00	7,086.62	6,426.26	6,349.81	159.30	30.55	-50.17	-1,007.65	-278.33	4,622.10	4,545.01	77.08	59.964				
12,600.00	7,085.46	6,424.57	6,348.16	162.08	30.54	-50.10	-1,007.39	-278.55	4,718.56	4,641.49	77.07	61.226				
12,700.00	7,084.30	6,422.94	6,346.56	164.86	30.53	-50.04	-1,007.14	-278.76	4,815.15	4,738.10	77.06	62.489				
12,800.00	7,083.13	6,400.00	6,324.03	167.65	30.43	-49.14	-1,003.66	-281.30	4,912.28	4,835.36	76.92	63.862				
12,900.00	7,081.97	6,400.00	6,324.03	170.44	30.43	-49.14	-1,003.66	-281.30	5,009.08	4,932.16	76.92	65.118				
13,000.00	7,080.81	6,400.00	6,324.03	173.23	30.43	-49.14	-1,003.66	-281.30	5,106.01	5,029.08	76.93	66.374				
13,100.00	7,079.64	6,400.00	6,324.03	176.02	30.43	-49.14	-1,003.66	-281.30	5,203.05	5,126.11	76.93	67.631				
13,200.00	7,078.48	6,400.00	6,324.03	178.81	30.43	-49.14	-1,003.66	-281.30	5,300.20	5,223.26	76.94	68.887				
13,300.00	7,077.32	6,400.00	6,324.03	181.61	30.43	-49.14	-1,003.66	-281.30	5,397.45	5,320.50	76.95	70.144				
13,400.00	7,076.16	6,400.00	6,324.03	184.40	30.43	-49.14	-1,003.66	-281.30	5,494.80	5,417.85	76.96	71.400				
13,500.00	7,074.99	6,400.00	6,324.03	187.20	30.43	-49.14	-1,003.66	-281.30	5,592.25	5,515.28	76.97	72.655				
13,600.00	7,073.83	6,400.00	6,324.03	190.00	30.43	-49.14	-1,003.66	-281.30	5,689.78	5,612.80	76.98	73.910				
13,700.00	7,072.67	6,400.00	6,324.03	192.80	30.43	-49.14	-1,003.66	-281.30	5,787.40	5,710.41	77.00	75.165				
13,800.00	7,071.50	6,400.00	6,324.03	195.60	30.43	-49.14	-1,003.66	-281.30	5,885.10	5,808.09	77.01	76.418				
13,900.00	7,070.34	6,400.00	6,324.03	198.41	30.43	-49.14	-1,003.66	-281.30	5,982.88	5,905.85	77.03	77.671				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,000.00	7,069.18	6,400.00	6,324.03	201.21	30.43	-49.14	-1,003.66	-281.30	6,080.72	6,003.68	77.05	78.923		
14,100.00	7,068.01	6,400.00	6,324.03	204.02	30.43	-49.14	-1,003.66	-281.30	6,178.64	6,101.57	77.07	80.173		
14,200.00	7,066.85	6,400.00	6,324.03	206.82	30.43	-49.14	-1,003.66	-281.30	6,276.62	6,199.53	77.09	81.423		
14,300.00	7,065.69	6,400.00	6,324.03	209.63	30.43	-49.14	-1,003.66	-281.30	6,374.67	6,297.56	77.11	82.671		
14,400.00	7,064.52	6,400.00	6,324.03	212.44	30.43	-49.14	-1,003.66	-281.30	6,472.77	6,395.64	77.13	83.918		
14,500.00	7,063.36	6,400.00	6,324.03	215.25	30.43	-49.14	-1,003.66	-281.30	6,570.93	6,493.77	77.16	85.163		
14,600.00	7,062.20	6,400.00	6,324.03	218.06	30.43	-49.14	-1,003.66	-281.30	6,669.15	6,591.96	77.18	86.406		
14,700.00	7,061.03	6,400.00	6,324.03	220.87	30.43	-49.14	-1,003.66	-281.30	6,767.42	6,690.20	77.21	87.648		
14,800.00	7,059.87	6,400.00	6,324.03	223.68	30.43	-49.14	-1,003.66	-281.30	6,865.73	6,788.49	77.24	88.889		
14,900.00	7,058.71	6,400.00	6,324.03	226.49	30.43	-49.14	-1,003.66	-281.30	6,964.10	6,886.83	77.27	90.127		
15,000.00	7,057.54	6,400.00	6,324.03	229.30	30.43	-49.14	-1,003.66	-281.30	7,062.51	6,985.21	77.30	91.364		
15,100.00	7,056.38	6,400.00	6,324.03	232.12	30.43	-49.14	-1,003.66	-281.30	7,160.97	7,083.64	77.33	92.599		
15,200.00	7,055.22	6,400.00	6,324.03	234.93	30.43	-49.14	-1,003.66	-281.30	7,259.47	7,182.10	77.37	93.832		
15,300.00	7,054.05	6,400.00	6,324.03	237.75	30.43	-49.14	-1,003.66	-281.30	7,358.01	7,280.60	77.40	95.063		
15,400.00	7,052.89	6,400.00	6,324.03	240.56	30.43	-49.14	-1,003.66	-281.30	7,456.58	7,379.15	77.44	96.291		
15,500.00	7,051.73	6,400.00	6,324.03	243.38	30.43	-49.14	-1,003.66	-281.30	7,555.20	7,477.72	77.47	97.518		
15,600.00	7,050.56	6,400.00	6,324.03	246.20	30.43	-49.14	-1,003.66	-281.30	7,653.85	7,576.34	77.51	98.742		
15,648.52	7,050.00	6,400.00	6,324.03	247.57	30.43	-49.14	-1,003.66	-281.30	7,701.73	7,624.20	77.53	99.336		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5.54	74.68	7.24	75.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.54	74.68	7.24	75.03	68.46	6.57	11.421		
200.00	200.00	200.00	200.00	3.34	3.34	5.54	74.68	7.24	75.03	68.36	6.67	11.242 CC, ES		
300.00	300.00	297.97	297.95	3.44	3.44	6.33	75.88	8.41	76.37	69.48	6.89	11.079		
400.00	399.98	395.76	395.61	3.60	3.60	-84.10	79.45	11.93	80.26	73.04	7.22	11.119		
500.00	499.84	493.31	492.79	3.80	3.80	-84.01	85.38	17.76	86.52	78.89	7.63	11.333		
600.00	599.45	590.48	589.28	4.04	4.04	-84.71	93.63	25.87	95.13	87.00	8.13	11.702		
682.50	681.36	670.31	668.20	4.26	4.26	-85.69	102.15	34.25	104.02	95.43	8.59	12.111		
700.00	698.71	687.20	684.86	4.32	4.31	-85.95	104.15	36.22	106.12	97.43	8.69	12.211		
800.00	797.82	783.37	779.35	4.62	4.61	-86.64	116.89	48.74	119.64	110.33	9.31	12.853		
900.00	896.93	881.04	874.80	4.95	4.94	-86.47	131.64	63.25	135.18	125.22	9.96	13.573		
1,000.00	996.04	979.80	971.28	5.30	5.30	-86.28	146.70	78.06	150.88	140.22	10.65	14.161		
1,100.00	1,095.15	1,078.56	1,067.75	5.67	5.68	-86.13	161.76	92.87	166.58	155.19	11.38	14.634		
1,200.00	1,194.26	1,177.32	1,164.22	6.05	6.08	-86.00	176.82	107.68	182.28	170.14	12.14	15.013		
1,300.00	1,293.37	1,276.08	1,260.70	6.45	6.50	-85.90	191.88	122.49	197.98	185.06	12.92	15.319		
1,400.00	1,392.48	1,374.84	1,357.17	6.85	6.92	-85.81	206.94	137.30	213.68	199.95	13.73	15.567		
1,500.00	1,491.59	1,473.60	1,453.64	7.26	7.35	-85.73	222.00	152.11	229.38	214.84	14.55	15.769		
1,600.00	1,590.70	1,572.36	1,550.12	7.68	7.79	-85.66	237.06	166.92	245.09	229.71	15.38	15.935		
1,700.00	1,689.81	1,671.12	1,646.59	8.10	8.23	-85.60	252.13	181.73	260.79	244.56	16.23	16.072		
1,800.00	1,788.92	1,769.87	1,743.07	8.53	8.68	-85.55	267.19	196.54	276.49	259.41	17.08	16.186		
1,900.00	1,888.03	1,868.63	1,839.54	8.96	9.14	-85.50	282.25	211.35	292.20	274.25	17.95	16.281		
2,000.00	1,987.14	1,967.39	1,936.01	9.39	9.60	-85.46	297.31	226.16	307.90	289.08	18.82	16.361		
2,100.00	2,086.25	2,066.15	2,032.49	9.83	10.06	-85.42	312.37	240.97	323.60	303.91	19.70	16.428		
2,200.00	2,185.36	2,164.91	2,128.96	10.27	10.52	-85.39	327.43	255.79	339.31	318.72	20.58	16.485		
2,300.00	2,284.47	2,263.67	2,225.43	10.71	10.99	-85.36	342.49	270.60	355.01	333.54	21.47	16.533		
2,400.00	2,383.58	2,362.43	2,321.91	11.15	11.46	-85.33	357.55	285.41	370.72	348.35	22.37	16.574		
2,500.00	2,482.69	2,461.19	2,418.38	11.60	11.93	-85.30	372.61	300.22	386.42	363.16	23.26	16.610		
2,600.00	2,581.80	2,559.95	2,514.85	12.05	12.40	-85.28	387.67	315.03	402.12	377.96	24.17	16.640		
2,700.00	2,680.91	2,658.71	2,611.33	12.50	12.88	-85.25	402.73	329.84	417.83	392.76	25.07	16.666		
2,800.00	2,780.02	2,757.46	2,707.80	12.95	13.35	-85.23	417.79	344.65	433.53	407.56	25.98	16.689		
2,900.00	2,879.13	2,856.22	2,804.28	13.40	13.83	-85.21	432.85	359.46	449.24	422.35	26.89	16.708		
3,000.00	2,978.24	2,954.98	2,900.75	13.85	14.31	-85.19	447.91	374.27	464.94	437.14	27.80	16.725		
3,100.00	3,077.35	3,053.74	2,997.22	14.30	14.79	-85.18	462.98	389.08	480.65	451.93	28.71	16.739		
3,200.00	3,176.46	3,152.50	3,093.70	14.76	15.26	-85.16	478.04	403.89	496.35	466.72	29.63	16.752		
3,300.00	3,275.57	3,251.26	3,190.17	15.21	15.75	-85.15	493.10	418.70	512.06	481.51	30.55	16.763		
3,400.00	3,374.68	3,350.02	3,286.64	15.67	16.23	-85.13	508.16	433.51	527.76	496.29	31.47	16.772		
3,500.00	3,473.79	3,448.78	3,383.12	16.12	16.71	-85.12	523.22	448.32	543.47	511.08	32.39	16.780		
3,600.00	3,572.90	3,547.54	3,479.59	16.58	17.19	-85.11	538.28	463.13	559.17	525.86	33.31	16.788		
3,700.00	3,672.01	3,646.30	3,576.07	17.04	17.67	-85.09	553.34	477.94	574.87	540.64	34.23	16.794		
3,800.00	3,771.12	3,745.06	3,672.54	17.50	18.16	-85.08	568.40	492.75	590.58	555.42	35.16	16.799		
3,900.00	3,870.23	3,843.81	3,769.01	17.95	18.64	-85.07	583.46	507.56	606.28	570.20	36.08	16.804		
4,000.00	3,969.34	3,942.57	3,865.49	18.41	19.13	-85.06	598.52	522.37	621.99	584.98	37.01	16.807		
4,100.00	4,068.45	4,041.33	3,961.96	18.87	19.61	-85.05	613.58	537.18	637.69	599.76	37.93	16.811		
4,200.00	4,167.56	4,140.09	4,058.43	19.33	20.10	-85.04	628.64	551.99	653.40	614.54	38.86	16.814		
4,300.00	4,266.67	4,238.85	4,154.91	19.79	20.58	-85.03	643.70	566.81	669.10	629.31	39.79	16.816		
4,400.00	4,365.78	4,337.61	4,251.38	20.25	21.07	-85.03	658.77	581.62	684.81	644.09	40.72	16.818		
4,500.00	4,464.89	4,436.37	4,347.85	20.71	21.55	-85.02	673.83	596.43	700.51	658.86	41.65	16.820		
4,600.00	4,564.00	4,535.13	4,444.33	21.17	22.04	-85.01	688.89	611.24	716.22	673.64	42.58	16.821		
4,700.00	4,663.11	4,633.89	4,540.80	21.63	22.53	-85.00	703.95	626.05	731.92	688.41	43.51	16.822		
4,800.00	4,762.22	4,732.65	4,637.28	22.09	23.01	-85.00	719.01	640.86	747.63	703.19	44.44	16.823		
4,900.00	4,861.33	4,831.40	4,733.75	22.56	23.50	-84.99	734.07	655.67	763.33	717.96	45.37	16.823		
5,000.00	4,960.44	4,930.16	4,830.22	23.02	23.99	-84.98	749.13	670.48	779.04	732.73	46.31	16.824		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,028.92	4,926.70	23.48	24.48	-84.98	764.19	685.29	794.74	747.50	47.24	16.824		
5,200.00	5,158.66	5,127.68	5,023.17	23.94	24.96	-84.97	779.25	700.10	810.45	762.28	48.17	16.824		
5,300.00	5,257.77	5,226.44	5,119.64	24.40	25.45	-84.97	794.31	714.91	826.15	777.05	49.11	16.824		
5,400.00	5,356.88	5,325.20	5,216.12	24.87	25.94	-84.96	809.37	729.72	841.86	791.82	50.04	16.824		
5,500.00	5,455.99	5,423.96	5,312.59	25.33	26.43	-84.95	824.43	744.53	857.56	806.59	50.97	16.823		
5,600.00	5,555.10	5,522.72	5,409.07	25.79	26.92	-84.95	839.49	759.34	873.27	821.36	51.91	16.823		
5,700.00	5,654.21	5,621.48	5,505.54	26.25	27.41	-84.95	854.55	774.15	888.97	836.13	52.84	16.822		
5,800.00	5,753.32	5,720.24	5,602.01	26.72	27.90	-84.94	869.62	788.96	904.68	850.90	53.78	16.822		
5,900.00	5,852.43	5,819.00	5,698.49	27.18	28.38	-84.94	884.68	803.77	920.38	865.67	54.72	16.821		
6,000.00	5,951.54	5,917.75	5,794.96	27.64	28.87	-84.93	899.74	818.58	936.09	880.44	55.65	16.820		
6,100.00	6,050.65	6,016.51	5,891.43	28.11	29.36	-84.93	914.80	833.39	951.79	895.20	56.59	16.820		
6,200.00	6,149.76	6,115.27	5,987.91	28.57	29.85	-84.92	929.86	848.20	967.50	909.97	57.53	16.819		
6,300.00	6,248.87	6,214.03	6,084.38	29.03	30.34	-84.92	944.92	863.01	983.20	924.74	58.46	16.818		
6,400.00	6,347.98	6,312.79	6,180.86	29.50	30.83	-84.91	959.98	877.82	998.91	939.51	59.40	16.817		
6,475.54	6,422.84	6,387.39	6,253.73	29.85	31.20	-84.91	971.36	889.01	1,010.77	950.66	60.11	16.816		
6,500.00	6,447.14	6,411.53	6,277.31	29.96	31.32	-86.60	975.04	892.63	1,014.68	954.35	60.33	16.818		
6,550.00	6,497.05	6,460.66	6,325.30	30.17	31.56	-108.21	982.53	900.00	1,023.08	962.30	60.78	16.832		
6,600.00	6,547.02	6,509.24	6,372.76	30.37	31.81	104.48	989.94	907.29	1,032.03	970.83	61.20	16.863		
6,650.00	6,596.75	6,564.48	6,426.81	30.55	32.07	100.29	998.35	914.87	1,041.48	979.81	61.67	16.888		
6,700.00	6,645.93	6,629.27	6,490.76	30.74	32.36	99.06	1,008.09	918.28	1,050.88	988.67	62.21	16.893		
6,750.00	6,694.25	6,696.05	6,556.70	30.93	32.63	98.39	1,017.86	914.90	1,060.03	997.30	62.72	16.900		
6,800.00	6,741.43	6,764.74	6,623.81	31.12	32.88	97.88	1,027.53	904.17	1,068.82	1,005.59	63.23	16.904		
6,850.00	6,787.16	6,835.19	6,691.09	31.32	33.13	97.42	1,036.92	885.65	1,077.16	1,013.44	63.72	16.905		
6,900.00	6,831.16	6,907.18	6,757.37	31.52	33.39	96.96	1,045.86	859.10	1,084.96	1,020.75	64.21	16.898		
6,950.00	6,873.17	6,980.43	6,821.36	31.74	33.65	96.47	1,054.14	824.52	1,092.11	1,027.41	64.70	16.879		
7,000.00	6,912.92	7,054.57	6,881.75	31.96	33.94	95.92	1,061.59	782.22	1,098.56	1,033.34	65.22	16.844		
7,050.00	6,950.18	7,129.19	6,937.24	32.21	34.26	95.33	1,068.02	732.80	1,104.25	1,038.45	65.79	16.783		
7,100.00	6,984.70	7,203.85	6,986.68	32.48	34.63	94.68	1,073.31	677.17	1,109.12	1,042.68	66.44	16.693		
7,150.00	7,016.29	7,278.10	7,029.17	32.77	35.06	93.98	1,077.36	616.47	1,113.18	1,045.96	67.21	16.562		
7,200.00	7,044.73	7,351.50	7,064.04	33.10	35.56	93.23	1,080.12	551.98	1,116.40	1,048.31	68.10	16.395		
7,250.00	7,069.86	7,423.68	7,090.97	33.46	36.14	92.45	1,081.59	485.07	1,118.82	1,049.70	69.12	16.186		
7,300.00	7,091.53	7,494.31	7,109.93	33.86	36.78	91.65	1,081.82	417.08	1,120.45	1,050.18	70.26	15.946		
7,350.00	7,109.59	7,563.13	7,121.13	34.30	37.48	90.83	1,080.90	349.21	1,121.33	1,049.82	71.51	15.681		
7,400.00	7,123.94	7,629.98	7,125.02	34.78	38.22	90.01	1,078.92	282.54	1,121.52	1,048.69	72.83	15.399		
7,450.00	7,134.49	7,681.30	7,124.64	35.29	38.83	89.45	1,076.89	231.26	1,121.31	1,047.28	74.02	15.148		
7,500.00	7,141.18	7,730.78	7,124.21	35.84	39.47	89.10	1,074.92	181.82	1,121.09	1,045.84	75.26	14.897		
7,550.00	7,143.95	7,780.66	7,123.77	36.42	40.14	88.96	1,072.94	131.98	1,120.82	1,044.28	76.53	14.645		
7,567.79	7,144.00	7,801.55	7,123.61	36.63	40.42	88.96	1,072.23	114.21	1,120.69	1,043.66	77.04	14.548		
7,600.00	7,143.62	7,830.66	7,123.33	37.03	40.86	88.97	1,070.95	82.03	1,120.46	1,042.59	77.87	14.388		
7,700.00	7,142.46	7,930.65	7,122.45	38.38	42.40	88.98	1,066.98	-17.89	1,119.74	1,038.95	80.79	13.861		
7,800.00	7,141.29	8,030.65	7,121.57	39.88	44.08	88.99	1,063.01	-117.80	1,119.02	1,035.04	83.98	13.324		
7,900.00	7,140.13	8,130.65	7,120.70	41.53	45.87	89.01	1,059.03	-217.72	1,118.30	1,030.86	87.43	12.790		
8,000.00	7,138.97	8,230.64	7,119.82	43.30	47.77	89.02	1,055.06	-317.63	1,117.57	1,026.47	91.11	12.266		
8,100.00	7,137.80	8,330.64	7,118.94	45.18	49.76	89.04	1,051.09	-417.55	1,116.85	1,021.87	94.98	11.758		
8,200.00	7,136.64	8,430.64	7,118.07	47.16	51.83	89.05	1,047.11	-517.46	1,116.13	1,017.10	99.03	11.270		
8,300.00	7,135.48	8,530.63	7,117.19	49.22	53.97	89.07	1,043.14	-617.37	1,115.41	1,012.17	103.24	10.804		
8,400.00	7,134.32	8,630.63	7,116.31	51.36	56.17	89.08	1,039.17	-717.29	1,114.69	1,007.11	107.58	10.362		
8,500.00	7,133.15	8,730.63	7,115.43	53.56	58.43	89.09	1,035.20	-817.20	1,113.97	1,001.93	112.04	9.943		
8,600.00	7,131.99	8,830.63	7,114.56	55.82	60.73	89.11	1,031.22	-917.12	1,113.25	996.64	116.61	9.547		
8,700.00	7,130.83	8,930.62	7,113.68	58.13	63.09	89.12	1,027.25	-1,017.03	1,112.52	991.25	121.27	9.174		
8,800.00	7,129.66	9,030.62	7,112.80	60.49	65.48	89.14	1,023.28	-1,116.94	1,111.80	985.78	126.02	8.822		
8,900.00	7,128.50	9,130.62	7,111.92	62.89	67.90	89.15	1,019.30	-1,216.86	1,111.08	980.24	130.84	8.492		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 32C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,127.34	9,230.61	7,111.05	65.32	70.36	89.16	1,015.33	-1,316.77	1,110.36	974.63	135.73	8.181		
9,100.00	7,126.17	9,330.61	7,110.17	67.79	72.84	89.18	1,011.36	-1,416.69	1,109.64	968.96	140.68	7.888		
9,200.00	7,125.01	9,430.61	7,109.29	70.28	75.35	89.19	1,007.38	-1,516.60	1,108.92	963.24	145.68	7.612		
9,300.00	7,123.85	9,530.61	7,108.41	72.80	77.88	89.21	1,003.41	-1,616.52	1,108.20	957.46	150.73	7.352		
9,400.00	7,122.68	9,630.60	7,107.54	75.34	80.44	89.22	999.44	-1,716.43	1,107.48	951.65	155.83	7.107		
9,500.00	7,121.52	9,730.60	7,106.66	77.91	83.01	89.24	995.46	-1,816.34	1,106.76	945.79	160.96	6.876		
9,600.00	7,120.36	9,830.60	7,105.78	80.49	85.60	89.25	991.49	-1,916.26	1,106.04	939.90	166.13	6.658		
9,700.00	7,119.19	9,930.59	7,104.90	83.09	88.20	89.26	987.52	-2,016.17	1,105.32	933.98	171.34	6.451		
9,800.00	7,118.03	10,030.59	7,104.03	85.70	90.82	89.28	983.55	-2,116.09	1,104.59	928.03	176.57	6.256		
9,900.00	7,116.87	10,130.59	7,103.15	88.33	93.45	89.29	979.57	-2,216.00	1,103.87	922.05	181.83	6.071		
10,000.00	7,115.70	10,230.58	7,102.27	90.98	96.10	89.31	975.60	-2,315.92	1,103.15	916.04	187.11	5.896		
10,100.00	7,114.54	10,330.58	7,101.40	93.63	98.75	89.32	971.63	-2,415.83	1,102.43	910.02	192.42	5.729		
10,200.00	7,113.38	10,430.58	7,100.52	96.29	101.41	89.34	967.65	-2,515.74	1,101.71	903.97	197.75	5.571		
10,300.00	7,112.21	10,530.58	7,099.64	98.97	104.09	89.35	963.68	-2,615.66	1,100.99	897.90	203.09	5.421		
10,400.00	7,111.05	10,630.57	7,098.76	101.65	106.77	89.36	959.71	-2,715.57	1,100.27	891.81	208.46	5.278		
10,500.00	7,109.89	10,730.57	7,097.89	104.34	109.46	89.38	955.73	-2,815.49	1,099.55	885.71	213.84	5.142		
10,600.00	7,108.72	10,830.57	7,097.01	107.04	112.16	89.39	951.76	-2,915.40	1,098.83	879.60	219.24	5.012		
10,700.00	7,107.56	10,930.56	7,096.13	109.75	114.86	89.41	947.79	-3,015.31	1,098.11	873.46	224.65	4.888		
10,800.00	7,106.40	11,030.56	7,095.25	112.47	117.57	89.42	943.81	-3,115.23	1,097.39	867.32	230.07	4.770		
10,900.00	7,105.24	11,130.56	7,094.38	115.19	120.29	89.44	939.84	-3,215.14	1,096.67	861.16	235.51	4.657		
11,000.00	7,104.07	11,230.55	7,093.50	117.91	123.01	89.45	935.87	-3,315.06	1,095.95	855.00	240.96	4.548		
11,100.00	7,102.91	11,330.55	7,092.62	120.64	125.74	89.47	931.90	-3,414.97	1,095.23	848.82	246.42	4.445		
11,200.00	7,101.75	11,430.55	7,091.74	123.38	128.48	89.48	927.92	-3,514.89	1,094.51	842.63	251.88	4.345		
11,300.00	7,100.58	11,530.55	7,090.87	126.12	131.21	89.50	923.95	-3,614.80	1,093.80	836.43	257.36	4.250		
11,400.00	7,099.42	11,630.54	7,089.99	128.87	133.95	89.51	919.98	-3,714.71	1,093.08	830.23	262.85	4.159		
11,500.00	7,098.26	11,730.54	7,089.11	131.62	136.70	89.53	916.00	-3,814.63	1,092.36	824.01	268.34	4.071		
11,600.00	7,097.09	11,830.54	7,088.23	134.37	139.45	89.54	912.03	-3,914.54	1,091.64	817.79	273.85	3.986		
11,700.00	7,095.93	11,930.53	7,087.36	137.13	142.20	89.55	908.06	-4,014.46	1,090.92	811.56	279.36	3.905		
11,800.00	7,094.77	12,030.53	7,086.48	139.89	144.96	89.57	904.08	-4,114.37	1,090.20	805.33	284.87	3.827		
11,900.00	7,093.60	12,130.53	7,085.60	142.65	147.72	89.58	900.11	-4,214.29	1,089.48	799.09	290.39	3.752		
12,000.00	7,092.44	12,230.52	7,084.73	145.42	150.48	89.60	896.14	-4,314.20	1,088.76	792.84	295.92	3.679		
12,100.00	7,091.28	12,330.52	7,083.85	148.19	153.25	89.61	892.16	-4,414.11	1,088.04	786.58	301.46	3.609		
12,200.00	7,090.11	12,430.52	7,082.97	150.96	156.02	89.63	888.19	-4,514.03	1,087.32	780.32	307.00	3.542		
12,300.00	7,088.95	12,530.52	7,082.09	153.74	158.79	89.64	884.22	-4,613.94	1,086.60	774.06	312.54	3.477		
12,400.00	7,087.79	12,630.51	7,081.22	156.52	161.56	89.66	880.24	-4,713.86	1,085.89	767.79	318.09	3.414		
12,500.00	7,086.62	12,730.51	7,080.34	159.30	164.34	89.67	876.27	-4,813.77	1,085.17	761.52	323.65	3.353		
12,600.00	7,085.46	12,830.51	7,079.46	162.08	167.11	89.69	872.30	-4,913.68	1,084.45	755.24	329.21	3.294		
12,700.00	7,084.30	12,930.50	7,078.58	164.86	169.89	89.70	868.33	-5,013.60	1,083.73	748.96	334.77	3.237		
12,800.00	7,083.13	13,030.50	7,077.71	167.65	172.68	89.72	864.35	-5,113.51	1,083.01	742.67	340.34	3.182		
12,900.00	7,081.97	13,130.50	7,076.83	170.44	175.46	89.73	860.38	-5,213.43	1,082.29	736.38	345.91	3.129		
13,000.00	7,080.81	13,230.50	7,075.95	173.23	178.24	89.75	856.41	-5,313.34	1,081.58	730.09	351.48	3.077		
13,100.00	7,079.64	13,330.49	7,075.07	176.02	181.03	89.76	852.43	-5,413.26	1,080.86	723.80	357.06	3.027		
13,200.00	7,078.48	13,430.49	7,074.20	178.81	183.82	89.78	848.46	-5,513.17	1,080.14	717.50	362.64	2.979		
13,300.00	7,077.32	13,530.49	7,073.32	181.61	186.61	89.79	844.49	-5,613.08	1,079.42	711.19	368.23	2.931		
13,400.00	7,076.16	13,630.48	7,072.44	184.40	189.40	89.81	840.51	-5,713.00	1,078.70	704.89	373.82	2.886		
13,500.00	7,074.99	13,730.48	7,071.56	187.20	192.20	89.82	836.54	-5,812.91	1,077.99	698.58	379.41	2.841		
13,600.00	7,073.83	13,830.48	7,070.69	190.00	194.99	89.84	832.57	-5,912.83	1,077.27	692.27	385.00	2.798		
13,700.00	7,072.67	13,930.47	7,069.81	192.80	197.79	89.85	828.59	-6,012.74	1,076.55	685.96	390.59	2.756		
13,800.00	7,071.50	14,030.47	7,068.93	195.60	200.58	89.87	824.62	-6,112.66	1,075.83	679.64	396.19	2.715		
13,900.00	7,070.34	14,130.47	7,068.06	198.41	203.38	89.88	820.65	-6,212.57	1,075.11	673.32	401.79	2.676		
14,000.00	7,069.18	14,230.47	7,067.18	201.21	206.18	89.90	816.68	-6,312.48	1,074.40	667.00	407.39	2.637		
14,100.00	7,068.01	14,330.46	7,066.30	204.02	208.98	89.91	812.70	-6,412.40	1,073.68	660.68	413.00	2.600		

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 33C-6-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 33C-6-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 32C-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	
14,200.00	7,066.85	14,430.46	7,065.42	206.82	211.78	89.93	808.73	-6,512.31	1,072.96	654.36	418.61	2.563	
14,300.00	7,065.69	14,530.46	7,064.55	209.63	214.59	89.94	804.76	-6,612.23	1,072.25	648.03	424.21	2.528	
14,400.00	7,064.52	14,630.45	7,063.67	212.44	217.39	89.96	800.78	-6,712.14	1,071.53	641.70	429.83	2.493	
14,500.00	7,063.36	14,730.45	7,062.79	215.25	220.20	89.97	796.81	-6,812.05	1,070.81	635.37	435.44	2.459	
14,600.00	7,062.20	14,830.45	7,061.91	218.06	223.00	89.99	792.84	-6,911.97	1,070.09	629.04	441.05	2.426	
14,700.00	7,061.03	14,930.44	7,061.04	220.87	225.81	90.00	788.86	-7,011.88	1,069.38	622.71	446.67	2.394	
14,800.00	7,059.87	15,030.44	7,060.16	223.68	228.62	90.02	784.89	-7,111.80	1,068.66	616.37	452.29	2.363	
14,900.00	7,058.71	15,130.44	7,059.28	226.49	231.42	90.04	780.92	-7,211.71	1,067.94	610.04	457.91	2.332	
15,000.00	7,057.54	15,230.44	7,058.40	229.30	234.23	90.05	776.94	-7,311.63	1,067.23	603.70	463.53	2.302	
15,100.00	7,056.38	15,330.43	7,057.53	232.12	237.04	90.07	772.97	-7,411.54	1,066.51	597.36	469.15	2.273	
15,200.00	7,055.22	15,430.43	7,056.65	234.93	239.85	90.08	769.00	-7,511.45	1,065.79	591.02	474.77	2.245	
15,300.00	7,054.05	15,530.43	7,055.77	237.75	242.66	90.10	765.02	-7,611.37	1,065.08	584.68	480.40	2.217	
15,400.00	7,052.89	15,630.42	7,054.89	240.56	245.48	90.11	761.05	-7,711.28	1,064.36	578.34	486.02	2.190	
15,500.00	7,051.73	15,730.42	7,054.02	243.38	248.29	90.13	757.08	-7,811.20	1,063.64	571.99	491.65	2.163	
15,600.00	7,050.56	15,830.42	7,053.14	246.20	251.10	90.14	753.11	-7,911.11	1,062.93	565.65	497.28	2.137	
15,623.54	7,050.29	15,846.35	7,053.00	246.86	251.55	90.15	752.47	-7,927.03	1,062.79	564.39	498.39	2.132	
15,648.52	7,050.00	15,846.35	7,053.00	247.57	251.55	90.15	752.47	-7,927.03	1,063.08	564.15	498.93	2.131 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5.50	89.62	8.63	90.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.50	89.62	8.63	90.03	83.46	6.57	13.705		
200.00	200.00	200.00	200.00	3.34	3.34	5.50	89.62	8.63	90.03	83.36	6.67	13.490		
300.00	300.00	300.00	300.00	3.44	3.44	5.50	89.62	8.63	90.03	83.14	6.89	13.068 CC, ES		
400.00	399.98	397.19	397.17	3.60	3.60	-86.60	91.04	9.46	91.46	84.25	7.21	12.694		
500.00	499.84	494.21	494.06	3.80	3.80	-88.29	95.31	11.93	95.79	88.18	7.61	12.581		
600.00	599.45	591.08	590.58	4.04	4.03	-90.74	102.35	16.11	103.15	95.04	8.10	12.731		
682.50	681.36	670.94	669.91	4.26	4.25	-92.92	109.99	21.16	111.33	102.78	8.55	13.018		
700.00	698.71	687.84	686.67	4.32	4.30	-93.39	111.81	22.43	113.31	104.65	8.65	13.096		
800.00	797.82	784.24	781.96	4.62	4.59	-95.14	123.54	30.97	126.03	116.77	9.26	13.617		
900.00	896.93	880.15	876.24	4.95	4.91	-95.56	137.49	41.68	141.02	131.12	9.90	14.239		
1,000.00	996.04	975.35	969.20	5.30	5.24	-95.01	153.57	54.48	158.20	147.61	10.59	14.942		
1,100.00	1,095.15	1,070.92	1,061.82	5.67	5.60	-93.84	171.81	69.37	177.48	166.18	11.30	15.702		
1,200.00	1,194.26	1,168.86	1,156.55	6.05	6.00	-92.71	191.03	85.14	197.35	185.30	12.05	16.375		
1,300.00	1,293.37	1,266.80	1,251.28	6.45	6.41	-91.78	210.24	100.90	217.28	204.45	12.83	16.938		
1,400.00	1,392.48	1,364.74	1,346.02	6.85	6.84	-91.01	229.45	116.67	237.25	223.63	13.63	17.413		
1,500.00	1,491.59	1,462.68	1,440.75	7.26	7.28	-90.36	248.66	132.43	257.26	242.82	14.44	17.815		
1,600.00	1,590.70	1,560.62	1,535.49	7.68	7.72	-89.81	267.88	148.20	277.29	262.02	15.27	18.158		
1,700.00	1,689.81	1,658.56	1,630.22	8.10	8.18	-89.33	287.09	163.96	297.35	281.24	16.12	18.451		
1,800.00	1,788.92	1,756.50	1,724.95	8.53	8.64	-88.91	306.30	179.72	317.43	300.45	16.97	18.705		
1,900.00	1,888.03	1,854.44	1,819.69	8.96	9.11	-88.54	325.52	195.49	337.51	319.68	17.84	18.924		
2,000.00	1,987.14	1,952.38	1,914.42	9.39	9.58	-88.21	344.73	211.25	357.61	338.91	18.71	19.116		
2,100.00	2,086.25	2,050.32	2,009.15	9.83	10.05	-87.92	363.94	227.02	377.72	358.14	19.59	19.284		
2,200.00	2,185.36	2,148.26	2,103.89	10.27	10.53	-87.65	383.15	242.78	397.84	377.37	20.47	19.432		
2,300.00	2,284.47	2,246.20	2,198.62	10.71	11.01	-87.41	402.37	258.55	417.97	396.61	21.37	19.563		
2,400.00	2,383.58	2,344.14	2,293.36	11.15	11.50	-87.20	421.58	274.31	438.10	415.84	22.26	19.679		
2,500.00	2,482.69	2,442.08	2,388.09	11.60	11.98	-87.00	440.79	290.08	458.24	435.08	23.16	19.784		
2,600.00	2,581.80	2,540.02	2,482.82	12.05	12.47	-86.82	460.01	305.84	478.38	454.32	24.07	19.877		
2,700.00	2,680.91	2,637.96	2,577.56	12.50	12.96	-86.65	479.22	321.61	498.53	473.56	24.98	19.961		
2,800.00	2,780.02	2,735.90	2,672.29	12.95	13.45	-86.50	498.43	337.37	518.68	492.80	25.89	20.037		
2,900.00	2,879.13	2,833.84	2,767.02	13.40	13.95	-86.36	517.65	353.14	538.84	512.04	26.80	20.106		
3,000.00	2,978.24	2,931.78	2,861.76	13.85	14.44	-86.23	536.86	368.90	558.99	531.28	27.72	20.169		
3,100.00	3,077.35	3,029.72	2,956.49	14.30	14.94	-86.10	556.07	384.67	579.15	550.52	28.63	20.226		
3,200.00	3,176.46	3,127.66	3,051.23	14.76	15.43	-85.99	575.28	400.43	599.32	569.76	29.55	20.279		
3,300.00	3,275.57	3,225.60	3,145.96	15.21	15.93	-85.88	594.50	416.20	619.48	589.00	30.48	20.327		
3,400.00	3,374.68	3,323.53	3,240.69	15.67	16.43	-85.78	613.71	431.96	639.65	608.25	31.40	20.371		
3,500.00	3,473.79	3,421.47	3,335.43	16.12	16.93	-85.69	632.92	447.73	659.82	627.49	32.33	20.412		
3,600.00	3,572.90	3,519.41	3,430.16	16.58	17.43	-85.60	652.14	463.49	679.98	646.73	33.25	20.449		
3,700.00	3,672.01	3,617.35	3,524.89	17.04	17.93	-85.52	671.35	479.26	700.16	665.98	34.18	20.484		
3,800.00	3,771.12	3,715.29	3,619.63	17.50	18.43	-85.44	690.56	495.02	720.33	685.22	35.11	20.517		
3,900.00	3,870.23	3,813.23	3,714.36	17.95	18.94	-85.36	709.78	510.79	740.50	704.46	36.04	20.547		
4,000.00	3,969.34	3,911.17	3,809.10	18.41	19.44	-85.29	728.99	526.55	760.68	723.71	36.97	20.575		
4,100.00	4,068.45	4,009.11	3,903.83	18.87	19.94	-85.23	748.20	542.32	780.85	742.95	37.90	20.601		
4,200.00	4,167.56	4,107.05	3,998.56	19.33	20.44	-85.16	767.41	558.08	801.03	762.19	38.84	20.626		
4,300.00	4,266.67	4,204.99	4,093.30	19.79	20.95	-85.10	786.63	573.85	821.21	781.44	39.77	20.649		
4,400.00	4,365.78	4,302.93	4,188.03	20.25	21.45	-85.05	805.84	589.61	841.39	800.68	40.71	20.670		
4,500.00	4,464.89	4,400.87	4,282.77	20.71	21.96	-84.99	825.05	605.38	861.57	819.92	41.64	20.690		
4,600.00	4,564.00	4,501.19	4,377.50	21.17	22.48	-84.94	844.27	621.14	881.75	839.16	42.59	20.704		
4,700.00	4,663.11	4,603.25	4,472.23	21.63	23.00	-84.89	863.48	636.91	901.93	858.38	43.55	20.712		
4,800.00	4,762.22	4,705.31	4,566.97	22.09	23.53	-84.84	882.69	652.67	922.11	877.60	44.50	20.720		
4,900.00	4,861.33	4,807.37	4,661.70	22.56	24.06	-84.80	901.90	668.44	942.29	896.83	45.46	20.727		
5,000.00	4,960.44	4,909.43	4,756.43	23.02	24.58	-84.75	921.12	684.20	962.47	916.05	46.42	20.733		

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 33C-6-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 33C-6-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	5,059.55	4,988.51	4,851.17	23.48	24.99	-84.71	940.33	699.97	982.65	935.39	47.27	20.790		
5,200.00	5,158.66	5,086.45	4,945.90	23.94	25.50	-84.67	959.54	715.73	1,002.84	954.63	48.21	20.803		
5,300.00	5,257.77	5,184.39	5,040.64	24.40	26.01	-84.63	978.76	731.49	1,023.02	973.88	49.15	20.816		
5,400.00	5,356.88	5,282.33	5,135.37	24.87	26.51	-84.59	997.97	747.26	1,043.21	993.12	50.09	20.828		
5,500.00	5,455.99	5,380.27	5,230.10	25.33	27.02	-84.56	1,017.18	763.02	1,063.39	1,012.36	51.03	20.840		
5,600.00	5,555.10	5,478.21	5,324.84	25.79	27.53	-84.52	1,036.40	778.79	1,083.58	1,031.61	51.97	20.851		
5,700.00	5,654.21	5,576.15	5,419.57	26.25	28.03	-84.49	1,055.61	794.55	1,103.76	1,050.85	52.91	20.861		
5,800.00	5,753.32	5,674.08	5,514.30	26.72	28.54	-84.46	1,074.82	810.32	1,123.95	1,070.10	53.85	20.872		
5,900.00	5,852.43	5,772.02	5,609.04	27.18	29.05	-84.43	1,094.03	826.08	1,144.13	1,089.34	54.79	20.881		
6,000.00	5,951.54	5,869.96	5,703.77	27.64	29.56	-84.40	1,113.25	841.85	1,164.32	1,108.58	55.74	20.890		
6,100.00	6,050.65	5,967.90	5,798.51	28.11	30.07	-84.37	1,132.46	857.61	1,184.51	1,127.83	56.68	20.899		
6,200.00	6,149.76	6,065.84	5,893.24	28.57	30.57	-84.34	1,151.67	873.38	1,204.69	1,147.07	57.62	20.907		
6,300.00	6,248.87	6,163.78	5,987.97	29.03	31.08	-84.31	1,170.89	889.14	1,224.88	1,166.32	58.56	20.915		
6,400.00	6,347.98	6,261.72	6,082.71	29.50	31.59	-84.29	1,190.10	904.91	1,245.07	1,185.56	59.51	20.923		
6,475.54	6,422.84	6,335.70	6,154.26	29.85	31.98	-84.27	1,204.61	916.82	1,260.32	1,200.10	60.22	20.928		
6,500.00	6,447.14	6,359.64	6,177.42	29.96	32.10	-86.06	1,209.31	920.67	1,265.33	1,204.88	60.45	20.932		
6,550.00	6,497.05	6,412.59	6,228.67	30.17	32.37	-107.90	1,219.69	929.02	1,275.98	1,215.04	60.94	20.938		
6,600.00	6,547.02	6,481.50	6,295.97	30.37	32.70	104.47	1,233.10	934.82	1,286.66	1,225.11	61.55	20.905		
6,650.00	6,596.75	6,551.41	6,364.54	30.55	32.99	99.69	1,246.43	933.10	1,297.04	1,234.92	62.12	20.881		
6,700.00	6,645.93	6,622.08	6,433.31	30.74	33.25	97.71	1,259.44	923.60	1,307.05	1,244.39	62.66	20.859		
6,750.00	6,694.25	6,693.23	6,501.14	30.93	33.50	96.29	1,271.93	906.27	1,316.62	1,253.43	63.19	20.835		
6,800.00	6,741.43	6,764.56	6,566.88	31.12	33.73	95.04	1,283.66	881.29	1,325.68	1,261.96	63.72	20.806		
6,850.00	6,787.16	6,835.74	6,629.39	31.32	33.97	93.86	1,294.45	849.08	1,334.18	1,269.94	64.25	20.767		
6,900.00	6,831.16	6,906.45	6,687.67	31.52	34.22	92.71	1,304.11	810.29	1,342.09	1,277.29	64.79	20.713		
6,950.00	6,873.17	6,976.41	6,740.87	31.74	34.48	91.58	1,312.53	765.70	1,349.36	1,283.98	65.38	20.639		
7,000.00	6,912.92	7,045.33	6,788.33	31.96	34.77	90.45	1,319.61	716.27	1,355.97	1,289.96	66.01	20.542		
7,050.00	6,950.18	7,112.98	6,829.58	32.21	35.10	89.35	1,325.30	663.00	1,361.92	1,295.21	66.71	20.416		
7,100.00	6,984.70	7,179.18	6,864.39	32.48	35.48	88.26	1,329.61	606.89	1,367.20	1,299.71	67.48	20.260		
7,150.00	7,016.29	7,243.80	6,892.70	32.77	35.91	87.20	1,332.56	548.91	1,371.80	1,303.47	68.33	20.076		
7,200.00	7,044.73	7,306.72	6,914.60	33.10	36.40	86.18	1,334.22	489.97	1,375.72	1,306.47	69.25	19.866		
7,250.00	7,069.86	7,367.91	6,930.34	33.46	36.94	85.20	1,334.67	430.86	1,378.98	1,308.73	70.26	19.628		
7,300.00	7,091.53	7,427.35	6,940.24	33.86	37.53	84.27	1,334.00	372.28	1,381.58	1,310.27	71.31	19.374		
7,350.00	7,109.59	7,485.06	6,944.68	34.30	38.14	83.40	1,332.32	314.79	1,383.53	1,311.12	72.41	19.107		
7,400.00	7,123.94	7,537.12	6,944.77	34.78	38.74	82.65	1,330.02	262.78	1,384.87	1,311.36	73.51	18.840		
7,450.00	7,134.49	7,585.88	6,944.32	35.29	39.34	82.12	1,327.77	214.08	1,385.76	1,311.14	74.62	18.571		
7,500.00	7,141.18	7,635.35	6,943.87	35.84	40.00	81.79	1,325.49	164.66	1,386.15	1,310.31	75.83	18.279		
7,550.00	7,143.95	7,685.23	6,943.42	36.42	40.69	81.67	1,323.18	114.84	1,385.97	1,308.86	77.11	17.974		
7,567.79	7,144.00	7,703.02	6,943.25	36.63	40.94	81.68	1,322.36	97.07	1,385.76	1,308.18	77.57	17.864		
7,600.00	7,143.62	7,735.23	6,942.96	37.03	41.44	81.68	1,320.88	64.90	1,385.31	1,306.84	78.47	17.653		
7,700.00	7,142.46	7,835.22	6,942.05	38.38	43.02	81.68	1,316.26	-34.98	1,383.93	1,302.51	81.42	16.998		
7,800.00	7,141.29	7,935.21	6,941.14	39.88	44.74	81.68	1,311.64	-134.86	1,382.54	1,297.91	84.64	16.335		
7,900.00	7,140.13	8,035.20	6,940.23	41.53	46.57	81.69	1,307.03	-234.74	1,381.16	1,293.06	88.10	15.677		
8,000.00	7,138.97	8,135.19	6,939.31	43.30	48.50	81.69	1,302.41	-334.62	1,379.78	1,288.00	91.78	15.033		
8,100.00	7,137.80	8,235.18	6,938.40	45.18	50.52	81.69	1,297.79	-434.50	1,378.39	1,282.74	95.65	14.410		
8,200.00	7,136.64	8,335.17	6,937.49	47.16	52.62	81.69	1,293.18	-534.38	1,377.01	1,277.32	99.69	13.812		
8,300.00	7,135.48	8,435.16	6,936.58	49.22	54.78	81.69	1,288.56	-634.26	1,375.63	1,271.74	103.89	13.242		
8,400.00	7,134.32	8,535.15	6,935.67	51.36	57.00	81.70	1,283.94	-734.14	1,374.24	1,266.04	108.21	12.700		
8,500.00	7,133.15	8,635.14	6,934.76	53.56	59.28	81.70	1,279.33	-834.02	1,372.86	1,260.21	112.65	12.187		
8,600.00	7,131.99	8,735.13	6,933.84	55.82	61.60	81.70	1,274.71	-933.90	1,371.48	1,254.29	117.19	11.703		
8,700.00	7,130.83	8,835.12	6,932.93	58.13	63.97	81.70	1,270.09	-1,033.78	1,370.09	1,248.27	121.82	11.247		
8,800.00	7,129.66	8,935.11	6,932.02	60.49	66.37	81.71	1,265.48	-1,133.66	1,368.71	1,242.17	126.54	10.817		
8,900.00	7,128.50	9,035.10	6,931.11	62.89	68.81	81.71	1,260.86	-1,233.54	1,367.33	1,236.00	131.32	10.412		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	7,127.34	9,135.09	6,930.20	65.32	71.28	81.71	1,256.24	-1,333.42	1,365.94	1,229.77	136.17	10.031		
9,100.00	7,126.17	9,235.08	6,929.29	67.79	73.77	81.71	1,251.63	-1,433.30	1,364.56	1,223.47	141.09	9.672		
9,200.00	7,125.01	9,335.07	6,928.38	70.28	76.29	81.71	1,247.01	-1,533.18	1,363.18	1,217.13	146.05	9.334		
9,300.00	7,123.85	9,435.06	6,927.46	72.80	78.83	81.72	1,242.39	-1,633.06	1,361.79	1,210.73	151.06	9.015		
9,400.00	7,122.68	9,535.05	6,926.55	75.34	81.38	81.72	1,237.78	-1,732.93	1,360.41	1,204.30	156.11	8.714		
9,500.00	7,121.52	9,635.04	6,925.64	77.91	83.96	81.72	1,233.16	-1,832.81	1,359.03	1,197.82	161.20	8.431		
9,600.00	7,120.36	9,735.03	6,924.73	80.49	86.56	81.72	1,228.54	-1,932.69	1,357.64	1,191.32	166.33	8.162		
9,700.00	7,119.19	9,835.02	6,923.82	83.09	89.16	81.73	1,223.93	-2,032.57	1,356.26	1,184.77	171.49	7.909		
9,800.00	7,118.03	9,935.01	6,922.91	85.70	91.79	81.73	1,219.31	-2,132.45	1,354.88	1,178.20	176.67	7.669		
9,900.00	7,116.87	10,035.01	6,921.99	88.33	94.42	81.73	1,214.69	-2,232.33	1,353.49	1,171.61	181.89	7.441		
10,000.00	7,115.70	10,135.00	6,921.08	90.98	97.07	81.73	1,210.08	-2,332.21	1,352.11	1,164.99	187.12	7.226		
10,100.00	7,114.54	10,234.99	6,920.17	93.63	99.72	81.73	1,205.46	-2,432.09	1,350.73	1,158.34	192.38	7.021		
10,200.00	7,113.38	10,334.98	6,919.26	96.29	102.39	81.74	1,200.84	-2,531.97	1,349.34	1,151.68	197.66	6.826		
10,300.00	7,112.21	10,434.97	6,918.35	98.97	105.06	81.74	1,196.23	-2,631.85	1,347.96	1,144.99	202.96	6.641		
10,400.00	7,111.05	10,534.96	6,917.44	101.65	107.75	81.74	1,191.61	-2,731.73	1,346.57	1,138.29	208.28	6.465		
10,500.00	7,109.89	10,634.95	6,916.52	104.34	110.44	81.74	1,186.99	-2,831.61	1,345.19	1,131.58	213.61	6.297		
10,600.00	7,108.72	10,734.94	6,915.61	107.04	113.14	81.75	1,182.38	-2,931.49	1,343.81	1,124.85	218.96	6.137		
10,700.00	7,107.56	10,834.93	6,914.70	109.75	115.84	81.75	1,177.76	-3,031.37	1,342.42	1,118.10	224.33	5.984		
10,800.00	7,106.40	10,934.92	6,913.79	112.47	118.55	81.75	1,173.14	-3,131.25	1,341.04	1,111.34	229.70	5.838		
10,900.00	7,105.24	11,034.91	6,912.88	115.19	121.27	81.75	1,168.53	-3,231.13	1,339.66	1,104.57	235.09	5.699		
11,000.00	7,104.07	11,134.90	6,911.97	117.91	123.99	81.75	1,163.91	-3,331.01	1,338.27	1,097.79	240.49	5.565		
11,100.00	7,102.91	11,234.89	6,911.05	120.64	126.72	81.76	1,159.29	-3,430.89	1,336.89	1,091.00	245.90	5.437		
11,200.00	7,101.75	11,334.88	6,910.14	123.38	129.45	81.76	1,154.68	-3,530.77	1,335.51	1,084.19	251.32	5.314		
11,300.00	7,100.58	11,434.87	6,909.23	126.12	132.19	81.76	1,150.06	-3,630.65	1,334.12	1,077.38	256.74	5.196		
11,400.00	7,099.42	11,534.86	6,908.32	128.87	134.93	81.76	1,145.44	-3,730.53	1,332.74	1,070.56	262.18	5.083		
11,500.00	7,098.26	11,634.85	6,907.41	131.62	137.68	81.77	1,140.83	-3,830.41	1,331.36	1,063.73	267.63	4.975		
11,600.00	7,097.09	11,734.84	6,906.50	134.37	140.43	81.77	1,136.21	-3,930.29	1,329.97	1,056.90	273.08	4.870		
11,700.00	7,095.93	11,834.83	6,905.58	137.13	143.18	81.77	1,131.59	-4,030.17	1,328.59	1,050.05	278.54	4.770		
11,800.00	7,094.77	11,934.82	6,904.67	139.89	145.93	81.77	1,126.98	-4,130.05	1,327.21	1,043.20	284.01	4.673		
11,900.00	7,093.60	12,034.81	6,903.76	142.65	148.69	81.78	1,122.36	-4,229.93	1,325.82	1,036.35	289.48	4.580		
12,000.00	7,092.44	12,134.80	6,902.85	145.42	151.45	81.78	1,117.74	-4,329.81	1,324.44	1,029.48	294.96	4.490		
12,100.00	7,091.28	12,234.79	6,901.94	148.19	154.22	81.78	1,113.12	-4,429.68	1,323.06	1,022.61	300.44	4.404		
12,200.00	7,090.11	12,334.79	6,901.03	150.96	156.99	81.78	1,108.51	-4,529.56	1,321.67	1,015.74	305.93	4.320		
12,300.00	7,088.95	12,434.78	6,900.11	153.74	159.75	81.79	1,103.89	-4,629.44	1,320.29	1,008.86	311.43	4.239		
12,400.00	7,087.79	12,534.77	6,899.20	156.52	162.53	81.79	1,099.27	-4,729.32	1,318.91	1,001.98	316.93	4.162		
12,500.00	7,086.62	12,634.76	6,898.29	159.30	165.30	81.79	1,094.66	-4,829.20	1,317.52	995.09	322.43	4.086		
12,600.00	7,085.46	12,734.75	6,897.38	162.08	168.08	81.79	1,090.04	-4,929.08	1,316.14	988.20	327.94	4.013		
12,700.00	7,084.30	12,834.74	6,896.47	164.86	170.85	81.79	1,085.42	-5,028.96	1,314.76	981.30	333.46	3.943		
12,800.00	7,083.13	12,934.73	6,895.56	167.65	173.63	81.80	1,080.81	-5,128.84	1,313.37	974.40	338.98	3.875		
12,900.00	7,081.97	13,034.72	6,894.65	170.44	176.42	81.80	1,076.19	-5,228.72	1,311.99	967.49	344.50	3.808		
13,000.00	7,080.81	13,134.71	6,893.73	173.23	179.20	81.80	1,071.57	-5,328.60	1,310.61	960.58	350.02	3.744		
13,100.00	7,079.64	13,234.70	6,892.82	176.02	181.99	81.80	1,066.96	-5,428.48	1,309.22	953.67	355.55	3.682		
13,200.00	7,078.48	13,334.69	6,891.91	178.81	184.77	81.81	1,062.34	-5,528.36	1,307.84	946.76	361.08	3.622		
13,300.00	7,077.32	13,434.68	6,891.00	181.61	187.56	81.81	1,057.72	-5,628.24	1,306.46	939.84	366.62	3.564		
13,400.00	7,076.16	13,534.67	6,890.09	184.40	190.35	81.81	1,053.11	-5,728.12	1,305.07	932.92	372.16	3.507		
13,500.00	7,074.99	13,634.66	6,889.18	187.20	193.14	81.81	1,048.49	-5,828.00	1,303.69	925.99	377.70	3.452		
13,600.00	7,073.83	13,734.65	6,888.26	190.00	195.93	81.82	1,043.87	-5,927.88	1,302.31	919.07	383.24	3.398		
13,700.00	7,072.67	13,834.64	6,887.35	192.80	198.73	81.82	1,039.26	-6,027.76	1,300.92	912.14	388.79	3.346		
13,800.00	7,071.50	13,934.63	6,886.44	195.60	201.52	81.82	1,034.64	-6,127.64	1,299.54	905.20	394.34	3.296		
13,900.00	7,070.34	14,034.62	6,885.53	198.41	204.32	81.82	1,030.02	-6,227.52	1,298.16	898.27	399.89	3.246		
14,000.00	7,069.18	14,134.61	6,884.62	201.21	207.12	81.83	1,025.41	-6,327.40	1,296.77	891.33	405.44	3.198		
14,100.00	7,068.01	14,234.60	6,883.71	204.02	209.92	81.83	1,020.79	-6,427.28	1,295.39	884.39	411.00	3.152		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	7,066.85	14,334.59	6,882.79	206.82	212.72	81.83	1,016.17	-6,527.16	1,294.01	877.45	416.56	3.106		
14,300.00	7,065.69	14,434.58	6,881.88	209.63	215.52	81.83	1,011.56	-6,627.04	1,292.62	870.51	422.12	3.062		
14,400.00	7,064.52	14,534.57	6,880.97	212.44	218.32	81.84	1,006.94	-6,726.92	1,291.24	863.56	427.68	3.019		
14,500.00	7,063.36	14,634.56	6,880.06	215.25	221.12	81.84	1,002.32	-6,826.80	1,289.86	856.61	433.24	2.977		
14,600.00	7,062.20	14,734.56	6,879.15	218.06	223.92	81.84	997.71	-6,926.68	1,288.47	849.66	438.81	2.936		
14,700.00	7,061.03	14,834.55	6,878.24	220.87	226.73	81.84	993.09	-7,026.55	1,287.09	842.71	444.38	2.896		
14,800.00	7,059.87	14,934.54	6,877.32	223.68	229.53	81.85	988.47	-7,126.43	1,285.71	835.76	449.95	2.857		
14,900.00	7,058.71	15,034.53	6,876.41	226.49	232.34	81.85	983.86	-7,226.31	1,284.32	828.81	455.52	2.819		
15,000.00	7,057.54	15,134.52	6,875.50	229.30	235.14	81.85	979.24	-7,326.19	1,282.94	821.85	461.09	2.782		
15,100.00	7,056.38	15,234.51	6,874.59	232.12	237.95	81.85	974.62	-7,426.07	1,281.56	814.89	466.66	2.746		
15,200.00	7,055.22	15,334.50	6,873.68	234.93	240.76	81.86	970.01	-7,525.95	1,280.17	807.93	472.24	2.711		
15,300.00	7,054.05	15,434.49	6,872.77	237.75	243.57	81.86	965.39	-7,625.83	1,278.79	800.97	477.82	2.676		
15,400.00	7,052.89	15,534.48	6,871.85	240.56	246.38	81.86	960.77	-7,725.71	1,277.41	794.01	483.40	2.643		
15,500.00	7,051.73	15,634.47	6,870.94	243.38	249.19	81.86	956.16	-7,825.59	1,276.02	787.05	488.98	2.610		
15,600.00	7,050.56	15,734.46	6,870.03	246.20	252.00	81.87	951.54	-7,925.47	1,274.64	780.08	494.56	2.577		
15,621.70	7,050.31	15,738.53	6,869.99	246.81	252.11	81.87	951.35	-7,929.53	1,274.46	779.17	495.29	2.573		
15,648.52	7,050.00	15,738.53	6,869.99	247.57	252.11	81.87	951.35	-7,929.53	1,274.74	778.86	495.88	2.571 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
300.00	300.00	300.00	300.00	3.44	3.44	5.59	59.75	5.85	60.03	53.14	6.89	8.713 CC, ES		
400.00	399.98	398.44	398.42	3.60	3.60	-86.45	60.90	7.08	61.20	53.99	7.20	8.495		
500.00	499.84	496.77	496.62	3.80	3.80	-87.93	64.35	10.79	64.73	57.12	7.61	8.505		
600.00	599.45	594.91	594.39	4.04	4.04	-90.05	70.09	16.94	70.69	62.60	8.10	8.732		
682.50	681.36	675.66	674.58	4.26	4.26	-92.03	76.52	23.83	77.50	68.95	8.55	9.066		
700.00	698.71	692.76	691.53	4.32	4.31	-92.46	78.08	25.51	79.17	70.52	8.65	9.153		
800.00	797.82	790.27	787.88	4.62	4.61	-93.61	88.29	36.45	90.04	80.78	9.26	9.723		
900.00	896.93	887.28	883.17	4.95	4.93	-93.08	100.65	49.72	103.11	93.19	9.92	10.395		
1,000.00	996.04	985.84	979.57	5.30	5.28	-91.88	114.65	64.73	117.62	107.01	10.61	11.082		
1,100.00	1,095.15	1,084.75	1,076.31	5.67	5.66	-90.92	128.72	79.81	132.20	120.86	11.34	11.654		
1,200.00	1,194.26	1,183.66	1,173.04	6.05	6.05	-90.16	142.79	94.90	146.81	134.70	12.10	12.130		
1,300.00	1,293.37	1,282.57	1,269.78	6.45	6.45	-89.53	156.86	109.99	161.43	148.55	12.89	12.528		
1,400.00	1,392.48	1,381.48	1,366.51	6.85	6.87	-89.01	170.94	125.08	176.08	162.39	13.69	12.863		
1,500.00	1,491.59	1,480.39	1,463.25	7.26	7.30	-88.57	185.01	140.17	190.73	176.22	14.51	13.146		
1,600.00	1,590.70	1,579.30	1,559.98	7.68	7.73	-88.19	199.08	155.26	205.40	190.05	15.34	13.387		
1,700.00	1,689.81	1,678.21	1,656.72	8.10	8.17	-87.86	213.15	170.35	220.07	203.88	16.19	13.594		
1,800.00	1,788.92	1,777.12	1,753.45	8.53	8.62	-87.57	227.22	185.44	234.75	217.70	17.04	13.773		
1,900.00	1,888.03	1,876.03	1,850.18	8.96	9.07	-87.32	241.29	200.53	249.43	231.52	17.91	13.927		
2,000.00	1,987.14	1,974.94	1,946.92	9.39	9.53	-87.09	255.36	215.62	264.12	245.34	18.78	14.063		
2,100.00	2,086.25	2,073.85	2,043.65	9.83	9.99	-86.89	269.43	230.71	278.81	259.15	19.66	14.181		
2,200.00	2,185.36	2,172.76	2,140.39	10.27	10.45	-86.71	283.50	245.80	293.51	272.96	20.55	14.286		
2,300.00	2,284.47	2,271.67	2,237.12	10.71	10.91	-86.54	297.58	260.89	308.20	286.77	21.43	14.379		
2,400.00	2,383.58	2,370.58	2,333.86	11.15	11.38	-86.39	311.65	275.98	322.90	300.58	22.33	14.461		
2,500.00	2,482.69	2,469.49	2,430.59	11.60	11.85	-86.26	325.72	291.07	337.61	314.38	23.23	14.535		
2,600.00	2,581.80	2,568.40	2,527.33	12.05	12.32	-86.13	339.79	306.16	352.31	328.18	24.13	14.602		
2,700.00	2,680.91	2,667.31	2,624.06	12.50	12.79	-86.02	353.86	321.24	367.01	341.98	25.03	14.661		
2,800.00	2,780.02	2,766.23	2,720.80	12.95	13.26	-85.91	367.93	336.33	381.72	355.78	25.94	14.716		
2,900.00	2,879.13	2,865.14	2,817.53	13.40	13.74	-85.81	382.00	351.42	396.43	369.58	26.85	14.765		
3,000.00	2,978.24	2,964.05	2,914.26	13.85	14.21	-85.72	396.07	366.51	411.14	383.37	27.76	14.809		
3,100.00	3,077.35	3,062.96	3,011.00	14.30	14.69	-85.64	410.14	381.60	425.85	397.17	28.68	14.850		
3,200.00	3,176.46	3,161.87	3,107.73	14.76	15.17	-85.56	424.22	396.69	440.56	410.96	29.59	14.888		
3,300.00	3,275.57	3,260.78	3,204.47	15.21	15.64	-85.48	438.29	411.78	455.27	424.76	30.51	14.922		
3,400.00	3,374.68	3,359.69	3,301.20	15.67	16.12	-85.41	452.36	426.87	469.98	438.55	31.43	14.954		
3,500.00	3,473.79	3,458.60	3,397.94	16.12	16.60	-85.35	466.43	441.96	484.69	452.34	32.35	14.983		
3,600.00	3,572.90	3,557.51	3,494.67	16.58	17.08	-85.29	480.50	457.05	499.40	466.13	33.27	15.010		
3,700.00	3,672.01	3,656.42	3,591.41	17.04	17.56	-85.23	494.57	472.14	514.12	479.92	34.19	15.036		
3,800.00	3,771.12	3,755.33	3,688.14	17.50	18.05	-85.18	508.64	487.23	528.83	493.71	35.12	15.059		
3,900.00	3,870.23	3,854.24	3,784.88	17.95	18.53	-85.12	522.71	502.32	543.55	507.50	36.04	15.081		
4,000.00	3,969.34	3,953.15	3,881.61	18.41	19.01	-85.07	536.78	517.41	558.26	521.29	36.97	15.101		
4,100.00	4,068.45	4,052.06	3,978.34	18.87	19.49	-85.03	550.86	532.50	572.98	535.08	37.90	15.120		
4,200.00	4,167.56	4,150.97	4,075.08	19.33	19.98	-84.98	564.93	547.59	587.69	548.87	38.82	15.138		
4,300.00	4,266.67	4,249.88	4,171.81	19.79	20.46	-84.94	579.00	562.68	602.41	562.66	39.75	15.154		
4,400.00	4,365.78	4,348.79	4,268.55	20.25	20.95	-84.90	593.07	577.76	617.12	576.44	40.68	15.170		
4,500.00	4,464.89	4,447.70	4,365.28	20.71	21.43	-84.86	607.14	592.85	631.84	590.23	41.61	15.185		
4,600.00	4,564.00	4,546.61	4,462.02	21.17	21.91	-84.83	621.21	607.94	646.56	604.02	42.54	15.198		
4,700.00	4,663.11	4,645.52	4,558.75	21.63	22.40	-84.79	635.28	623.03	661.27	617.80	43.47	15.211		
4,800.00	4,762.22	4,744.43	4,655.49	22.09	22.89	-84.76	649.35	638.12	675.99	631.59	44.40	15.224		
4,900.00	4,861.33	4,843.34	4,752.22	22.56	23.37	-84.73	663.42	653.21	690.71	645.37	45.34	15.235		
5,000.00	4,960.44	4,942.25	4,848.96	23.02	23.86	-84.70	677.50	668.30	705.43	659.16	46.27	15.247		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,041.16	4,945.69	23.48	24.34	-84.67	691.57	683.39	720.14	672.94	47.20	15.257		
5,200.00	5,158.66	5,140.07	5,042.42	23.94	24.83	-84.64	705.64	698.48	734.86	686.73	48.13	15.267		
5,300.00	5,257.77	5,238.98	5,139.16	24.40	25.32	-84.61	719.71	713.57	749.58	700.51	49.07	15.276		
5,400.00	5,356.88	5,337.89	5,235.89	24.87	25.80	-84.59	733.78	728.66	764.30	714.29	50.00	15.285		
5,500.00	5,455.99	5,436.80	5,332.63	25.33	26.29	-84.56	747.85	743.75	779.02	728.08	50.94	15.294		
5,600.00	5,555.10	5,535.72	5,429.36	25.79	26.78	-84.54	761.92	758.84	793.73	741.86	51.87	15.302		
5,700.00	5,654.21	5,634.63	5,526.10	26.25	27.26	-84.51	775.99	773.93	808.45	755.65	52.81	15.310		
5,800.00	5,753.32	5,733.54	5,622.83	26.72	27.75	-84.49	790.06	789.02	823.17	769.43	53.74	15.317		
5,900.00	5,852.43	5,832.45	5,719.57	27.18	28.24	-84.47	804.14	804.11	837.89	783.21	54.68	15.324		
6,000.00	5,951.54	5,931.36	5,816.30	27.64	28.72	-84.45	818.21	819.20	852.61	797.00	55.61	15.331		
6,100.00	6,050.65	6,030.27	5,913.04	28.11	29.21	-84.43	832.28	834.28	867.33	810.78	56.55	15.337		
6,200.00	6,149.76	6,129.18	6,009.77	28.57	29.70	-84.41	846.35	849.37	882.05	824.56	57.49	15.343		
6,300.00	6,248.87	6,228.09	6,106.50	29.03	30.19	-84.39	860.42	864.46	896.77	838.34	58.42	15.349		
6,400.00	6,347.98	6,327.00	6,203.24	29.50	30.68	-84.37	874.49	879.55	911.49	852.13	59.36	15.355		
6,475.54	6,422.84	6,401.71	6,276.31	29.85	31.04	-84.36	885.12	890.95	922.60	862.54	60.07	15.359		
6,500.00	6,447.14	6,430.42	6,304.43	29.96	31.18	-86.03	889.19	895.00	926.24	865.90	60.34	15.351		
6,550.00	6,497.05	6,493.77	6,366.98	30.17	31.47	-107.76	898.05	899.49	933.57	872.67	60.90	15.330		
6,600.00	6,547.02	6,557.22	6,429.79	30.37	31.73	104.59	906.65	897.68	940.71	879.30	61.41	15.319		
6,650.00	6,596.75	6,620.62	6,492.10	30.55	31.96	99.79	914.88	889.59	947.61	885.73	61.88	15.313		
6,700.00	6,645.93	6,683.82	6,553.15	30.74	32.19	97.82	922.66	875.34	954.24	891.90	62.34	15.306		
6,750.00	6,694.25	6,746.68	6,612.23	30.93	32.42	96.42	929.89	855.21	960.57	897.77	62.80	15.295		
6,800.00	6,741.43	6,809.07	6,668.68	31.12	32.65	95.21	936.50	829.52	966.57	903.31	63.26	15.279		
6,850.00	6,787.16	6,870.87	6,721.90	31.32	32.89	94.08	942.43	798.72	972.22	908.48	63.74	15.254		
6,900.00	6,831.16	6,931.97	6,771.39	31.52	33.14	93.00	947.63	763.32	977.50	913.26	64.23	15.218		
6,950.00	6,873.17	6,992.27	6,816.76	31.74	33.41	91.95	952.06	723.86	982.39	917.63	64.76	15.169		
7,000.00	6,912.92	7,051.72	6,857.68	31.96	33.70	90.92	955.73	680.93	986.88	921.55	65.34	15.105		
7,050.00	6,950.18	7,110.23	6,893.94	32.21	34.03	89.91	958.61	635.12	990.97	925.00	65.97	15.023		
7,100.00	6,984.70	7,167.78	6,925.40	32.48	34.40	88.94	960.73	587.01	994.64	927.98	66.65	14.922		
7,150.00	7,016.29	7,224.33	6,952.01	32.77	34.81	87.99	962.09	537.15	997.88	930.47	67.41	14.803		
7,200.00	7,044.73	7,279.87	6,973.80	33.10	35.25	87.07	962.73	486.09	1,000.69	932.46	68.23	14.666		
7,250.00	7,069.86	7,334.39	6,990.82	33.46	35.74	86.20	962.68	434.31	1,003.07	933.95	69.12	14.513		
7,300.00	7,091.53	7,387.91	7,003.21	33.86	36.27	85.36	961.98	382.27	1,005.01	934.95	70.07	14.344		
7,350.00	7,109.59	7,440.43	7,011.12	34.30	36.83	84.57	960.66	330.37	1,006.51	935.44	71.07	14.162		
7,400.00	7,123.94	7,491.99	7,014.74	34.78	37.41	83.82	958.78	278.99	1,007.56	935.44	72.12	13.970		
7,450.00	7,134.49	7,541.91	7,014.77	35.29	38.01	83.16	956.47	229.13	1,008.18	934.96	73.22	13.770		
7,500.00	7,141.18	7,608.62	7,014.29	35.84	38.86	82.73	954.11	179.72	1,008.37	933.76	74.60	13.516		
7,550.00	7,143.95	7,641.25	7,013.81	36.42	39.32	82.57	951.73	129.90	1,008.06	932.43	75.63	13.329		
7,567.79	7,144.00	7,659.04	7,013.64	36.63	39.57	82.58	950.88	112.13	1,007.82	931.73	76.09	13.245		
7,600.00	7,143.62	7,708.76	7,013.33	37.03	40.28	82.58	949.34	79.97	1,007.33	930.12	77.21	13.047		
7,700.00	7,142.46	7,808.77	7,012.36	38.38	41.86	82.58	944.57	-19.90	1,005.80	925.68	80.13	12.553		
7,800.00	7,141.29	7,908.78	7,011.40	39.88	43.56	82.58	939.81	-119.77	1,004.28	920.95	83.33	12.052		
7,900.00	7,140.13	7,991.21	7,010.43	41.53	45.05	82.58	935.04	-219.64	1,002.75	916.30	86.45	11.599		
8,000.00	7,138.97	8,108.80	7,009.47	43.30	47.30	82.58	930.27	-319.51	1,001.22	910.77	90.45	11.070		
8,100.00	7,137.80	8,208.81	7,008.50	45.18	49.31	82.58	925.50	-419.38	999.69	905.38	94.31	10.600		
8,200.00	7,136.64	8,308.83	7,007.54	47.16	51.39	82.58	920.73	-519.25	998.17	899.81	98.35	10.149		
8,300.00	7,135.48	8,391.16	7,006.57	49.22	53.17	82.58	915.96	-619.12	996.64	894.48	102.16	9.755		
8,400.00	7,134.32	8,508.85	7,005.61	51.36	55.77	82.58	911.19	-718.99	995.11	888.24	106.87	9.311		
8,500.00	7,133.15	8,591.14	7,004.64	53.56	57.64	82.58	906.42	-818.86	993.59	882.67	110.91	8.958		
8,600.00	7,131.99	8,708.87	7,003.68	55.82	60.37	82.58	901.65	-918.73	992.06	876.20	115.86	8.562		
8,700.00	7,130.83	8,808.88	7,002.71	58.13	62.73	82.58	896.88	-1,018.60	990.53	870.03	120.50	8.220		
8,800.00	7,129.66	8,891.10	7,001.75	60.49	64.70	82.58	892.11	-1,118.47	989.00	864.20	124.80	7.925		
8,900.00	7,128.50	8,991.09	7,000.79	62.89	67.13	82.58	887.34	-1,218.34	987.48	857.88	129.59	7.620		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	7,127.34	9,108.92	6,999.82	65.32	70.04	82.58	882.57	-1,318.21	985.95	851.06	134.89	7.309		
9,100.00	7,126.17	9,208.93	6,998.86	67.79	72.53	82.58	877.80	-1,418.08	984.42	844.61	139.81	7.041		
9,200.00	7,125.01	9,291.06	6,997.89	70.28	74.60	82.58	873.03	-1,517.95	982.89	838.56	144.33	6.810		
9,300.00	7,123.85	9,408.95	6,996.93	72.80	77.59	82.58	868.27	-1,617.82	981.37	831.56	149.80	6.551		
9,400.00	7,122.68	9,508.97	6,995.96	75.34	80.15	82.58	863.50	-1,717.69	979.84	824.97	154.87	6.327		
9,500.00	7,121.52	9,608.98	6,995.00	77.91	82.73	82.58	858.73	-1,817.56	978.31	818.34	159.97	6.116		
9,600.00	7,120.36	9,708.99	6,994.03	80.49	85.32	82.58	853.96	-1,917.43	976.79	811.68	165.11	5.916		
9,700.00	7,119.19	9,791.00	6,993.07	83.09	87.46	82.58	849.19	-2,017.30	975.26	805.45	169.81	5.743		
9,800.00	7,118.03	9,909.01	6,992.10	85.70	90.56	82.58	844.42	-2,117.17	973.73	798.25	175.48	5.549		
9,900.00	7,116.87	10,009.02	6,991.14	88.33	93.19	82.58	839.65	-2,217.04	972.20	791.50	180.70	5.380		
10,000.00	7,115.70	10,090.96	6,990.17	90.98	95.36	82.58	834.88	-2,316.91	970.68	785.20	185.48	5.233		
10,100.00	7,114.54	10,209.05	6,989.21	93.63	98.50	82.58	830.11	-2,416.78	969.15	777.93	191.22	5.068		
10,200.00	7,113.38	10,309.06	6,988.24	96.29	101.17	82.58	825.34	-2,516.65	967.62	771.11	196.52	4.924		
10,300.00	7,112.21	10,409.07	6,987.28	98.97	103.84	82.58	820.57	-2,616.52	966.09	764.27	201.83	4.787		
10,400.00	7,111.05	10,509.08	6,986.32	101.65	106.53	82.58	815.80	-2,716.39	964.57	757.41	207.16	4.656		
10,500.00	7,109.89	10,609.09	6,985.35	104.34	109.22	82.58	811.03	-2,816.26	963.04	750.54	212.50	4.532		
10,600.00	7,108.72	10,709.11	6,984.39	107.04	111.92	82.58	806.26	-2,916.13	961.51	743.65	217.86	4.413		
10,700.00	7,107.56	10,809.12	6,983.42	109.75	114.63	82.58	801.49	-3,016.00	959.99	736.75	223.23	4.300		
10,800.00	7,106.40	10,909.13	6,982.46	112.47	117.34	82.58	796.73	-3,115.87	958.46	729.84	228.62	4.192		
10,900.00	7,105.24	11,009.14	6,981.49	115.19	120.06	82.58	791.96	-3,215.74	956.93	722.91	234.02	4.089		
11,000.00	7,104.07	11,090.85	6,980.53	117.91	122.29	82.58	787.19	-3,315.61	955.40	716.47	238.93	3.999		
11,100.00	7,102.91	11,209.16	6,979.56	120.64	125.51	82.58	782.42	-3,415.48	953.88	709.03	244.85	3.896		
11,200.00	7,101.75	11,309.18	6,978.60	123.38	128.25	82.58	777.65	-3,515.35	952.35	702.07	250.28	3.805		
11,300.00	7,100.58	11,409.19	6,977.63	126.12	130.99	82.58	772.88	-3,615.22	950.82	695.10	255.72	3.718		
11,400.00	7,099.42	11,509.20	6,976.67	128.87	133.73	82.58	768.11	-3,715.09	949.29	688.13	261.17	3.635		
11,500.00	7,098.26	11,590.79	6,975.70	131.62	135.97	82.58	763.34	-3,814.96	947.77	681.65	266.12	3.561		
11,600.00	7,097.09	11,709.22	6,974.74	134.37	139.23	82.58	758.57	-3,914.83	946.24	674.15	272.09	3.478		
11,700.00	7,095.93	11,809.23	6,973.77	137.13	141.98	82.58	753.80	-4,014.70	944.71	667.16	277.56	3.404		
11,800.00	7,094.77	11,890.75	6,972.81	139.89	144.23	82.58	749.03	-4,114.57	943.19	660.66	282.53	3.338		
11,900.00	7,093.60	12,009.26	6,971.85	142.65	147.50	82.58	744.26	-4,214.44	941.66	653.14	288.52	3.264		
12,000.00	7,092.44	12,090.73	6,970.88	145.42	149.75	82.58	739.49	-4,314.31	940.13	646.63	293.50	3.203		
12,100.00	7,091.28	12,209.28	6,969.92	148.19	153.02	82.58	734.72	-4,414.17	938.60	639.10	299.50	3.134		
12,200.00	7,090.11	12,309.29	6,968.95	150.96	155.79	82.58	729.95	-4,514.04	937.08	632.08	305.00	3.072		
12,300.00	7,088.95	12,390.70	6,967.99	153.74	158.05	82.58	725.19	-4,613.91	935.55	625.55	309.99	3.018		
12,400.00	7,087.79	12,490.68	6,967.02	156.52	160.82	82.58	720.42	-4,713.78	934.02	618.52	315.50	2.960		
12,500.00	7,086.62	12,609.33	6,966.06	159.30	164.11	82.58	715.65	-4,813.65	932.49	610.96	321.53	2.900		
12,600.00	7,085.46	12,709.34	6,965.09	162.08	166.89	82.58	710.88	-4,913.52	930.97	603.92	327.05	2.847		
12,700.00	7,084.30	12,790.65	6,964.13	164.86	169.15	82.58	706.11	-5,013.39	929.44	597.38	332.06	2.799		
12,800.00	7,083.13	12,909.36	6,963.16	167.65	172.45	82.58	701.34	-5,113.26	927.91	589.81	338.10	2.744		
12,900.00	7,081.97	13,009.37	6,962.20	170.44	175.23	82.58	696.57	-5,213.13	926.39	582.75	343.63	2.696		
13,000.00	7,080.81	13,090.61	6,961.23	173.23	177.49	82.58	691.80	-5,313.00	924.86	576.21	348.65	2.653		
13,100.00	7,079.64	13,209.40	6,960.27	176.02	180.80	82.58	687.03	-5,412.87	923.33	568.63	354.70	2.603		
13,200.00	7,078.48	13,309.41	6,959.30	178.81	183.59	82.58	682.26	-5,512.74	921.80	561.56	360.24	2.559		
13,300.00	7,077.32	13,390.58	6,958.34	181.61	185.85	82.58	677.49	-5,612.61	920.28	555.01	365.27	2.519		
13,400.00	7,076.16	13,509.43	6,957.38	184.40	189.17	82.58	672.72	-5,712.48	918.75	547.41	371.33	2.474		
13,500.00	7,074.99	13,609.44	6,956.41	187.20	191.96	82.58	667.95	-5,812.35	917.22	540.34	376.88	2.434		
13,600.00	7,073.83	13,709.46	6,955.45	190.00	194.76	82.58	663.18	-5,912.22	915.69	533.26	382.44	2.394		
13,700.00	7,072.67	13,809.47	6,954.48	192.80	197.55	82.58	658.41	-6,012.09	914.17	526.18	387.99	2.356		
13,800.00	7,071.50	13,909.48	6,953.52	195.60	200.35	82.58	653.65	-6,111.96	912.64	519.09	393.55	2.319		
13,900.00	7,070.34	14,009.49	6,952.55	198.41	203.15	82.58	648.88	-6,211.83	911.11	512.01	399.11	2.283		
14,000.00	7,069.18	14,109.50	6,951.59	201.21	205.94	82.58	644.11	-6,311.70	909.59	504.92	404.67	2.248		
14,100.00	7,068.01	14,209.51	6,950.62	204.02	208.74	82.58	639.34	-6,411.57	908.06	497.82	410.23	2.214		

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 33C-6-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 33C-6-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	7,066.85	14,309.53	6,949.66	206.82	211.54	82.58	634.57	-6,511.44	906.53	490.73	415.80	2.180		
14,300.00	7,065.69	14,409.54	6,948.69	209.63	214.34	82.58	629.80	-6,611.31	905.00	483.64	421.37	2.148		
14,400.00	7,064.52	14,509.55	6,947.73	212.44	217.15	82.58	625.03	-6,711.18	903.48	476.54	426.94	2.116		
14,500.00	7,063.36	14,609.56	6,946.76	215.25	219.95	82.58	620.26	-6,811.05	901.95	469.44	432.51	2.085		
14,600.00	7,062.20	14,709.57	6,945.80	218.06	222.75	82.58	615.49	-6,910.92	900.42	462.34	438.08	2.055		
14,700.00	7,061.03	14,809.58	6,944.83	220.87	225.56	82.58	610.72	-7,010.79	898.89	455.24	443.66	2.026		
14,800.00	7,059.87	14,909.60	6,943.87	223.68	228.37	82.58	605.95	-7,110.66	897.37	448.13	449.24	1.998		
14,900.00	7,058.71	14,990.39	6,942.91	226.49	230.63	82.58	601.18	-7,210.53	895.84	441.56	454.28	1.972		
15,000.00	7,057.54	15,109.62	6,941.94	229.30	233.98	82.58	596.41	-7,310.40	894.31	433.92	460.39	1.942		
15,100.00	7,056.38	15,190.37	6,940.98	232.12	236.25	82.58	591.64	-7,410.27	892.79	427.35	465.44	1.918		
15,200.00	7,055.22	15,290.36	6,940.01	234.93	239.05	82.58	586.87	-7,510.14	891.26	420.24	471.02	1.892		
15,300.00	7,054.05	15,390.35	6,939.05	237.75	241.86	82.58	582.11	-7,610.01	889.73	413.13	476.60	1.867		
15,400.00	7,052.89	15,509.67	6,938.08	240.56	245.22	82.58	577.34	-7,709.88	888.20	405.48	482.73	1.840		
15,500.00	7,051.73	15,609.68	6,937.12	243.38	248.03	82.58	572.57	-7,809.75	886.68	398.36	488.31	1.816		
15,600.00	7,050.56	15,690.31	6,936.15	246.20	250.29	82.58	567.80	-7,909.62	885.15	391.79	493.36	1.794		
15,626.34	7,050.26	15,716.65	6,935.90	246.94	251.03	82.58	566.54	-7,935.93	884.75	389.91	494.83	1.788		
15,648.52	7,050.00	15,706.13	6,936.00	247.57	250.74	82.58	567.04	-7,925.42	885.01	390.02	495.00	1.788 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	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	299.76	299.74	3.44	3.44	11.19	15.44	3.05	15.74	8.85	6.89	2.285		
400.00	399.98	399.38	399.22	3.60	3.60	-71.13	16.95	8.03	18.13	10.92	7.21	2.514		
500.00	499.84	498.85	498.31	3.80	3.81	-65.90	19.45	16.30	21.79	14.15	7.63	2.854		
600.00	599.45	598.16	596.88	4.04	4.07	-63.63	22.94	27.83	26.45	18.30	8.15	3.247		
682.50	681.36	679.96	677.72	4.26	4.33	-63.20	26.57	39.78	30.97	22.34	8.63	3.589		
700.00	698.71	697.29	694.80	4.32	4.39	-63.16	27.42	42.60	32.03	23.29	8.74	3.666		
800.00	797.82	796.33	792.05	4.62	4.76	-60.99	32.84	60.50	39.49	30.09	9.39	4.203		
900.00	896.93	904.03	889.69	4.95	5.22	-58.66	38.60	79.51	47.78	37.66	10.12	4.721		
1,000.00	996.04	1,004.39	987.33	5.30	5.69	-57.02	44.36	98.51	56.13	45.27	10.86	5.169		
1,100.00	1,095.15	1,104.75	1,084.97	5.67	6.17	-55.80	50.11	117.51	64.51	52.88	11.63	5.546		
1,200.00	1,194.26	1,205.11	1,182.61	6.05	6.68	-54.87	55.87	136.52	72.92	60.48	12.43	5.864		
1,300.00	1,293.37	1,305.47	1,280.25	6.45	7.20	-54.13	61.63	155.52	81.34	68.08	13.26	6.135		
1,400.00	1,392.48	1,405.83	1,377.89	6.85	7.74	-53.53	67.38	174.53	89.77	75.67	14.10	6.366		
1,500.00	1,491.59	1,506.19	1,475.54	7.26	8.28	-53.03	73.14	193.53	98.21	83.25	14.96	6.565		
1,600.00	1,590.70	1,606.55	1,573.18	7.68	8.84	-52.61	78.90	212.54	106.65	90.82	15.83	6.736		
1,700.00	1,689.81	1,693.09	1,670.82	8.10	9.32	-52.25	84.65	231.54	115.10	98.45	16.65	6.913		
1,800.00	1,788.92	1,807.27	1,768.46	8.53	9.96	-51.94	90.41	250.55	123.56	105.95	17.61	7.016		
1,900.00	1,888.03	1,907.63	1,866.10	8.96	10.54	-51.67	96.17	269.55	132.02	113.50	18.51	7.132		
2,000.00	1,987.14	1,992.01	1,963.74	9.39	11.02	-51.43	101.92	288.55	140.48	121.13	19.34	7.263		
2,100.00	2,086.25	2,108.35	2,061.38	9.83	11.69	-51.22	107.68	307.56	148.94	128.60	20.33	7.324		
2,200.00	2,185.36	2,208.71	2,159.02	10.27	12.27	-51.04	113.44	326.56	157.40	136.15	21.26	7.405		
2,300.00	2,284.47	2,309.07	2,256.67	10.71	12.85	-50.87	119.19	345.57	165.87	143.69	22.18	7.478		
2,400.00	2,383.58	2,409.43	2,354.31	11.15	13.44	-50.72	124.95	364.57	174.33	151.22	23.11	7.544		
2,500.00	2,482.69	2,509.79	2,451.95	11.60	14.02	-50.58	130.71	383.58	182.80	158.76	24.04	7.603		
2,600.00	2,581.80	2,589.85	2,549.59	12.05	14.49	-50.45	136.46	402.58	191.27	166.39	24.88	7.689		
2,700.00	2,680.91	2,689.49	2,647.23	12.50	15.08	-50.34	142.22	421.58	199.74	173.93	25.81	7.738		
2,800.00	2,780.02	2,789.13	2,744.87	12.95	15.67	-50.23	147.98	440.59	208.21	181.46	26.75	7.783		
2,900.00	2,879.13	2,888.77	2,842.51	13.40	16.26	-50.13	153.73	459.59	216.68	188.99	27.69	7.825		
3,000.00	2,978.24	2,988.41	2,940.15	13.85	16.85	-50.04	159.49	478.60	225.15	196.52	28.63	7.863		
3,100.00	3,077.35	3,088.05	3,037.80	14.30	17.44	-49.96	165.25	497.60	233.62	204.05	29.58	7.899		
3,200.00	3,176.46	3,187.69	3,135.44	14.76	18.03	-49.88	171.01	516.61	242.10	211.57	30.52	7.932		
3,300.00	3,275.57	3,287.33	3,233.08	15.21	18.62	-49.81	176.76	535.61	250.57	219.10	31.47	7.962		
3,400.00	3,374.68	3,386.97	3,330.72	15.67	19.21	-49.74	182.52	554.62	259.04	226.62	32.42	7.990		
3,500.00	3,473.79	3,486.61	3,428.36	16.12	19.81	-49.68	188.28	573.62	267.52	234.15	33.37	8.017		
3,600.00	3,572.90	3,586.25	3,526.00	16.58	20.40	-49.62	194.03	592.62	275.99	241.67	34.32	8.041		
3,700.00	3,672.01	3,685.89	3,623.64	17.04	20.99	-49.56	199.79	611.63	284.46	249.19	35.27	8.064		
3,800.00	3,771.12	3,785.53	3,721.28	17.50	21.59	-49.51	205.55	630.63	292.94	256.71	36.23	8.086		
3,900.00	3,870.23	3,885.17	3,818.93	17.95	22.19	-49.46	211.30	649.64	301.41	264.23	37.18	8.106		
4,000.00	3,969.34	3,984.81	3,916.57	18.41	22.78	-49.41	217.06	668.64	309.89	271.75	38.14	8.125		
4,100.00	4,068.45	4,084.45	4,014.21	18.87	23.38	-49.37	222.82	687.65	318.36	279.27	39.09	8.143		
4,200.00	4,167.56	4,184.09	4,111.85	19.33	23.97	-49.33	228.57	706.65	326.84	286.79	40.05	8.160		
4,300.00	4,266.67	4,283.73	4,209.49	19.79	24.57	-49.29	234.33	725.65	335.31	294.30	41.01	8.176		
4,400.00	4,365.78	4,383.37	4,307.13	20.25	25.17	-49.25	240.09	744.66	343.79	301.82	41.97	8.192		
4,500.00	4,464.89	4,483.01	4,404.77	20.71	25.77	-49.21	245.84	763.66	352.26	309.34	42.93	8.206		
4,600.00	4,564.00	4,591.67	4,511.49	21.17	26.40	-49.28	251.77	783.24	359.80	315.82	43.98	8.182		
4,700.00	4,663.11	4,703.64	4,622.17	21.63	27.00	-49.68	256.68	799.44	364.12	319.09	45.02	8.087		
4,800.00	4,762.22	4,815.66	4,733.47	22.09	27.53	-50.44	260.33	811.50	365.13	319.10	46.03	7.932		
4,900.00	4,861.33	4,927.39	4,844.88	22.56	28.00	-51.56	262.72	819.37	362.93	315.94	46.99	7.723		
5,000.00	4,960.44	5,038.48	4,955.90	23.02	28.41	-53.09	263.84	823.07	357.64	309.72	47.92	7.463		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,142.13	5,059.55	23.48	28.76	-54.87	263.94	823.39	350.02	301.13	48.89	7.159		
5,200.00	5,158.66	5,241.24	5,158.66	23.94	29.09	-56.68	263.94	823.39	342.49	292.59	49.90	6.864		
5,300.00	5,257.77	5,340.35	5,257.77	24.40	29.42	-58.56	263.94	823.39	335.31	284.40	50.91	6.586		
5,400.00	5,356.88	5,439.46	5,356.88	24.87	29.75	-60.53	263.94	823.39	328.52	276.58	51.94	6.325		
5,500.00	5,455.99	5,538.57	5,455.99	25.33	30.09	-62.58	263.94	823.39	322.13	269.17	52.96	6.082		
5,600.00	5,555.10	5,637.68	5,555.10	25.79	30.42	-64.71	263.94	823.39	316.18	262.19	53.99	5.856		
5,700.00	5,654.21	5,736.79	5,654.21	26.25	30.76	-66.91	263.94	823.39	310.68	255.66	55.02	5.646		
5,800.00	5,753.32	5,835.90	5,753.32	26.72	31.11	-69.19	263.94	823.39	305.67	249.62	56.05	5.453		
5,900.00	5,852.43	5,935.01	5,852.43	27.18	31.45	-71.54	263.94	823.39	301.16	244.08	57.08	5.276		
6,000.00	5,951.54	6,034.12	5,951.54	27.64	31.80	-73.95	263.94	823.39	297.18	239.08	58.10	5.115		
6,100.00	6,050.65	6,133.23	6,050.65	28.11	32.15	-76.43	263.94	823.39	293.74	234.63	59.11	4.969		
6,200.00	6,149.76	6,232.34	6,149.76	28.57	32.50	-78.96	263.94	823.39	290.88	230.77	60.11	4.839		
6,300.00	6,248.87	6,331.45	6,248.87	29.03	32.85	-81.53	263.94	823.39	288.61	227.51	61.10	4.724		
6,400.00	6,347.98	6,430.56	6,347.98	29.50	33.20	-84.13	263.94	823.39	286.93	224.86	62.07	4.623		
6,475.54	6,422.84	6,507.29	6,424.70	29.85	33.47	-86.32	263.91	822.62	285.97	223.19	62.78	4.555		
6,500.00	6,447.14	6,532.77	6,450.12	29.96	33.54	-88.59	263.83	820.87	285.63	222.64	62.99	4.534		
6,550.00	6,497.05	6,584.24	6,501.14	30.17	33.67	-111.51	263.56	814.22	285.11	221.71	63.41	4.497		
6,600.00	6,547.02	6,634.93	6,550.70	30.37	33.77	99.69	263.13	803.68	284.86	221.08	63.78	4.467		
6,621.82	6,568.77	6,656.80	6,571.80	30.45	33.81	96.32	262.90	797.91	284.84	220.91	63.93	4.456		
6,650.00	6,596.75	6,684.85	6,598.55	30.55	33.85	93.80	262.55	789.47	284.88	220.77	64.11	4.444		
6,700.00	6,645.93	6,734.06	6,644.47	30.74	33.92	90.80	261.84	771.85	285.16	220.75	64.41	4.427		
6,750.00	6,694.25	6,782.57	6,688.28	30.93	33.97	88.42	260.99	751.06	285.71	221.03	64.68	4.417		
6,800.00	6,741.43	6,830.43	6,729.83	31.12	34.01	86.31	260.02	727.33	286.50	221.60	64.90	4.414		
6,850.00	6,787.16	6,877.68	6,768.98	31.32	34.06	84.36	258.95	700.92	287.51	222.43	65.09	4.417		
6,900.00	6,831.16	6,924.36	6,805.62	31.52	34.10	82.52	257.77	672.06	288.72	223.50	65.22	4.427		
6,950.00	6,873.17	6,970.49	6,839.67	31.74	34.16	80.79	256.50	640.97	290.09	224.77	65.32	4.441		
7,000.00	6,912.92	7,016.13	6,871.04	31.96	34.23	79.16	255.15	607.87	291.59	226.20	65.39	4.460		
7,050.00	6,950.18	7,061.30	6,899.68	32.21	34.33	77.63	253.73	572.98	293.18	227.75	65.43	4.481		
7,100.00	6,984.70	7,106.04	6,925.54	32.48	34.45	76.20	252.24	536.50	294.83	229.35	65.48	4.502		
7,150.00	7,016.29	7,150.40	6,948.58	32.77	34.60	74.87	250.70	498.64	296.49	230.94	65.54	4.523		
7,200.00	7,044.73	7,194.40	6,968.77	33.10	34.80	73.65	249.11	459.59	298.13	232.47	65.65	4.541		
7,250.00	7,069.86	7,238.07	6,986.10	33.46	35.03	72.53	247.48	419.54	299.71	233.88	65.82	4.553		
7,300.00	7,091.53	7,281.46	7,000.55	33.86	35.30	71.52	245.81	378.68	301.20	235.12	66.08	4.558		
7,350.00	7,109.59	7,324.59	7,012.13	34.30	35.62	70.62	244.12	337.18	302.56	236.14	66.42	4.555		
7,400.00	7,123.94	7,367.49	7,020.82	34.78	35.97	69.83	242.41	295.21	303.78	236.89	66.88	4.542		
7,450.00	7,134.49	7,410.19	7,026.65	35.29	36.36	69.15	240.69	252.94	304.81	237.35	67.46	4.518		
7,500.00	7,141.18	7,452.73	7,029.62	35.84	36.78	68.57	238.96	210.55	305.64	237.48	68.16	4.484		
7,550.00	7,143.95	7,502.84	7,029.84	36.42	37.33	68.12	237.15	166.17	306.21	237.14	69.07	4.433		
7,567.79	7,144.00	7,514.95	7,029.62	36.63	37.49	68.07	236.43	148.39	306.17	236.78	69.40	4.412		
7,600.00	7,143.62	7,547.16	7,029.22	37.03	37.90	68.04	235.12	116.22	305.94	235.78	70.16	4.361		
7,700.00	7,142.46	7,647.15	7,027.99	38.38	39.29	67.98	231.05	16.31	305.21	232.48	72.73	4.196		
7,800.00	7,141.29	7,747.15	7,026.75	39.88	40.91	67.91	226.97	-83.59	304.48	228.83	75.65	4.025		
7,900.00	7,140.13	7,847.15	7,025.52	41.53	42.73	67.84	222.90	-183.50	303.75	224.87	78.88	3.851		
8,000.00	7,138.97	7,947.14	7,024.29	43.30	44.72	67.76	218.83	-283.41	303.02	220.64	82.38	3.678		
8,100.00	7,137.80	8,047.14	7,023.05	45.18	46.87	67.69	214.76	-383.31	302.30	216.18	86.12	3.510		
8,200.00	7,136.64	8,147.14	7,021.82	47.16	49.14	67.62	210.69	-483.22	301.57	211.51	90.06	3.348		
8,300.00	7,135.48	8,247.13	7,020.59	49.22	51.53	67.55	206.62	-583.13	300.84	206.66	94.18	3.194		
8,400.00	7,134.32	8,347.13	7,019.35	51.36	54.01	67.48	202.55	-683.03	300.11	201.65	98.46	3.048		
8,500.00	7,133.15	8,447.13	7,018.12	53.56	56.59	67.41	198.48	-782.94	299.39	196.51	102.88	2.910		
8,600.00	7,131.99	8,547.12	7,016.88	55.82	59.23	67.33	194.40	-882.84	298.66	191.25	107.41	2.781		
8,700.00	7,130.83	8,647.12	7,015.65	58.13	61.94	67.26	190.33	-982.75	297.94	185.89	112.05	2.659		
8,800.00	7,129.66	8,747.12	7,014.42	60.49	64.71	67.19	186.26	-1,082.66	297.21	180.44	116.77	2.545		

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 33C-6-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 33C-6-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		
8,900.00	7,128.50	8,847.11	7,013.18	62.89	67.53	67.11	182.19	-1,182.56	296.49	174.92	121.57	2.439		
9,000.00	7,127.34	8,947.11	7,011.95	65.32	70.39	67.04	178.12	-1,282.47	295.77	169.32	126.44	2.339		
9,100.00	7,126.17	9,047.11	7,010.72	67.79	73.29	66.97	174.05	-1,382.37	295.04	163.67	131.37	2.246		
9,200.00	7,125.01	9,147.10	7,009.48	70.28	76.22	66.89	169.98	-1,482.28	294.32	157.97	136.35	2.159		
9,300.00	7,123.85	9,247.10	7,008.25	72.80	79.18	66.82	165.90	-1,582.19	293.60	152.22	141.38	2.077		
9,400.00	7,122.68	9,347.10	7,007.02	75.34	82.17	66.74	161.83	-1,682.09	292.88	146.43	146.45	2.000		
9,500.00	7,121.52	9,447.09	7,005.78	77.91	85.19	66.67	157.76	-1,782.00	292.16	140.60	151.56	1.928		
9,600.00	7,120.36	9,547.09	7,004.55	80.49	88.23	66.59	153.69	-1,881.91	291.44	134.74	156.69	1.860		
9,700.00	7,119.19	9,647.09	7,003.31	83.09	91.28	66.51	149.62	-1,981.81	290.72	128.86	161.86	1.796		
9,800.00	7,118.03	9,747.08	7,002.08	85.70	94.35	66.44	145.55	-2,081.72	290.00	122.95	167.04	1.736		
9,900.00	7,116.87	9,847.08	7,000.85	88.33	97.44	66.36	141.48	-2,181.62	289.28	117.02	172.25	1.679		
10,000.00	7,115.70	9,947.08	6,999.61	90.98	100.55	66.28	137.40	-2,281.53	288.56	111.08	177.48	1.626		
10,100.00	7,114.54	10,047.07	6,998.38	93.63	103.66	66.20	133.33	-2,381.44	287.84	105.11	182.73	1.575		
10,200.00	7,113.38	10,147.07	6,997.15	96.29	106.79	66.12	129.26	-2,481.34	287.12	99.13	187.99	1.527		
10,300.00	7,112.21	10,247.07	6,995.91	98.97	109.93	66.04	125.19	-2,581.25	286.41	93.14	193.26	1.482 Level 3		
10,400.00	7,111.05	10,347.06	6,994.68	101.65	113.08	65.97	121.12	-2,681.15	285.69	87.14	198.55	1.439 Level 3		
10,500.00	7,109.89	10,447.06	6,993.45	104.34	116.24	65.89	117.05	-2,781.06	284.97	81.14	203.84	1.398 Level 3		
10,600.00	7,108.72	10,547.06	6,992.21	107.04	119.41	65.81	112.98	-2,880.97	284.26	75.12	209.14	1.359 Level 3		
10,700.00	7,107.56	10,647.05	6,990.98	109.75	122.59	65.72	108.91	-2,980.87	283.54	69.10	214.45	1.322 Level 3		
10,800.00	7,106.40	10,747.05	6,989.74	112.47	125.77	65.64	104.83	-3,080.78	282.83	63.07	219.76	1.287 Level 3		
10,900.00	7,105.24	10,847.05	6,988.51	115.19	128.96	65.56	100.76	-3,180.68	282.12	57.03	225.08	1.253 Level 3		
11,000.00	7,104.07	10,947.04	6,987.28	117.91	132.16	65.48	96.69	-3,280.59	281.40	51.00	230.41	1.221 Level 2		
11,100.00	7,102.91	11,047.04	6,986.04	120.64	135.36	65.40	92.62	-3,380.50	280.69	44.96	235.73	1.191 Level 2		
11,200.00	7,101.75	11,147.04	6,984.81	123.38	138.57	65.32	88.55	-3,480.40	279.98	38.92	241.06	1.161 Level 2		
11,300.00	7,100.58	11,247.03	6,983.58	126.12	141.78	65.23	84.48	-3,580.31	279.27	32.88	246.39	1.133 Level 2		
11,400.00	7,099.42	11,347.03	6,982.34	128.87	144.99	65.15	80.41	-3,680.22	278.56	26.84	251.72	1.107 Level 2		
11,500.00	7,098.26	11,447.03	6,981.11	131.62	148.22	65.07	76.33	-3,780.12	277.85	20.80	257.05	1.081 Level 2		
11,600.00	7,097.09	11,547.02	6,979.88	134.37	151.44	64.98	72.26	-3,880.03	277.14	14.76	262.38	1.056 Level 2		
11,700.00	7,095.93	11,647.02	6,978.64	137.13	154.67	64.90	68.19	-3,979.93	276.43	8.72	267.71	1.033 Level 2		
11,800.00	7,094.77	11,747.02	6,977.41	139.89	157.90	64.81	64.12	-4,079.84	275.72	2.68	273.04	1.010 Level 2		
11,900.00	7,093.60	11,847.01	6,976.17	142.65	161.14	64.73	60.05	-4,179.75	275.01	-3.35	278.36	0.988 Level 1		
12,000.00	7,092.44	11,947.01	6,974.94	145.42	164.38	64.64	55.98	-4,279.65	274.31	-9.38	283.68	0.967 Level 1		
12,100.00	7,091.28	12,047.01	6,973.71	148.19	167.62	64.55	51.91	-4,379.56	273.60	-15.40	289.00	0.947 Level 1		
12,200.00	7,090.11	12,147.00	6,972.47	150.96	170.87	64.47	47.83	-4,479.46	272.89	-21.43	294.32	0.927 Level 1		
12,300.00	7,088.95	12,247.00	6,971.24	153.74	174.12	64.38	43.76	-4,579.37	272.19	-27.44	299.63	0.908 Level 1		
12,400.00	7,087.79	12,347.00	6,970.01	156.52	177.37	64.29	39.69	-4,679.28	271.49	-33.46	304.94	0.890 Level 1		
12,500.00	7,086.62	12,446.99	6,968.77	159.30	180.62	64.20	35.62	-4,779.18	270.78	-39.46	310.25	0.873 Level 1		
12,600.00	7,085.46	12,546.99	6,967.54	162.08	183.88	64.11	31.55	-4,879.09	270.08	-45.47	315.55	0.856 Level 1		
12,700.00	7,084.30	12,646.99	6,966.31	164.86	187.13	64.03	27.48	-4,978.99	269.38	-51.46	320.84	0.840 Level 1		
12,800.00	7,083.13	12,746.98	6,965.07	167.65	190.39	63.94	23.41	-5,078.90	268.67	-57.45	326.13	0.824 Level 1		
12,900.00	7,081.97	12,846.98	6,963.84	170.44	193.65	63.85	19.33	-5,178.81	267.97	-63.44	331.41	0.809 Level 1		
13,000.00	7,080.81	12,946.98	6,962.60	173.23	196.92	63.75	15.26	-5,278.71	267.27	-69.42	336.69	0.794 Level 1		
13,100.00	7,079.64	13,046.97	6,961.37	176.02	200.18	63.66	11.19	-5,378.62	266.57	-75.39	341.96	0.780 Level 1		
13,200.00	7,078.48	13,146.97	6,960.14	178.81	203.45	63.57	7.12	-5,478.53	265.87	-81.35	347.22	0.766 Level 1		
13,300.00	7,077.32	13,246.96	6,958.90	181.61	206.72	63.48	3.05	-5,578.43	265.17	-87.31	352.48	0.752 Level 1		
13,400.00	7,076.16	13,346.96	6,957.67	184.40	209.99	63.39	-1.02	-5,678.34	264.48	-93.25	357.73	0.739 Level 1		
13,500.00	7,074.99	13,446.96	6,956.44	187.20	213.26	63.29	-5.09	-5,778.24	263.78	-99.19	362.97	0.727 Level 1		
13,600.00	7,073.83	13,546.95	6,955.20	190.00	216.53	63.20	-9.16	-5,878.15	263.08	-105.12	368.21	0.714 Level 1		
13,700.00	7,072.67	13,646.95	6,953.97	192.80	219.81	63.11	-13.24	-5,978.06	262.39	-111.05	373.43	0.703 Level 1		
13,800.00	7,071.50	13,746.95	6,952.74	195.60	223.08	63.01	-17.31	-6,077.96	261.69	-116.96	378.65	0.691 Level 1		
13,900.00	7,070.34	13,846.94	6,951.50	198.41	226.36	62.92	-21.38	-6,177.87	261.00	-122.87	383.87	0.680 Level 1		
14,000.00	7,069.18	13,946.94	6,950.27	201.21	229.64	62.82	-25.45	-6,277.77	260.30	-128.76	389.07	0.669 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 33C-6-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 33C-6-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 33N-6C-M - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
14,100.00	7,068.01	14,046.94	6,949.03	204.02	232.91	62.73	-29.52	-6,377.68	259.61	-134.65	394.26	0.658	Level 1				
14,200.00	7,066.85	14,146.93	6,947.80	206.82	236.19	62.63	-33.59	-6,477.59	258.92	-140.53	399.45	0.648	Level 1				
14,300.00	7,065.69	14,246.93	6,946.57	209.63	239.47	62.53	-37.66	-6,577.49	258.23	-146.39	404.62	0.638	Level 1				
14,400.00	7,064.52	14,346.93	6,945.33	212.44	242.76	62.43	-41.74	-6,677.40	257.54	-152.25	409.79	0.628	Level 1				
14,500.00	7,063.36	14,446.92	6,944.10	215.25	246.04	62.34	-45.81	-6,777.30	256.85	-158.10	414.94	0.619	Level 1				
14,600.00	7,062.20	14,546.92	6,942.87	218.06	249.32	62.24	-49.88	-6,877.21	256.16	-163.93	420.09	0.610	Level 1				
14,700.00	7,061.03	14,646.92	6,941.63	220.87	252.61	62.14	-53.95	-6,977.12	255.47	-169.76	425.23	0.601	Level 1				
14,800.00	7,059.87	14,746.91	6,940.40	223.68	255.89	62.04	-58.02	-7,077.02	254.78	-175.57	430.36	0.592	Level 1				
14,900.00	7,058.71	14,846.91	6,939.17	226.49	259.18	61.94	-62.09	-7,176.93	254.10	-181.38	435.47	0.583	Level 1				
15,000.00	7,057.54	14,946.91	6,937.93	229.30	262.47	61.84	-66.16	-7,276.84	253.41	-187.17	440.58	0.575	Level 1				
15,100.00	7,056.38	15,046.90	6,936.70	232.12	265.75	61.74	-70.24	-7,376.74	252.73	-192.95	445.67	0.567	Level 1				
15,200.00	7,055.22	15,146.90	6,935.47	234.93	269.04	61.63	-74.31	-7,476.65	252.04	-198.72	450.76	0.559	Level 1				
15,300.00	7,054.05	15,246.90	6,934.23	237.75	272.33	61.53	-78.38	-7,576.55	251.36	-204.47	455.83	0.551	Level 1				
15,400.00	7,052.89	15,346.89	6,933.00	240.56	275.62	61.43	-82.45	-7,676.46	250.67	-210.22	460.89	0.544	Level 1				
15,500.00	7,051.73	15,446.89	6,931.76	243.38	278.91	61.33	-86.52	-7,776.37	249.99	-215.95	465.94	0.537	Level 1				
15,600.00	7,050.56	15,546.89	6,930.53	246.20	282.20	61.22	-90.59	-7,876.27	249.31	-221.67	470.98	0.529	Level 1				
15,648.52	7,050.00	15,595.41	6,929.93	247.57	283.80	61.17	-92.57	-7,924.75	248.98	-224.44	473.42	0.526	Level 1, ES, SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	398.64	398.62	3.60	3.59	94.46	-60.97	-4.67	61.27	54.07	7.20	8.512		
500.00	499.84	497.19	497.03	3.80	3.78	95.49	-64.62	-1.13	65.01	57.42	7.59	8.563		
600.00	599.45	595.53	595.01	4.04	4.01	96.95	-70.70	4.73	71.28	63.21	8.07	8.835		
682.50	681.36	676.44	675.36	4.26	4.23	98.30	-77.51	11.31	78.37	69.86	8.51	9.205		
700.00	698.71	693.58	692.34	4.32	4.28	98.58	-79.16	12.91	80.09	71.48	8.61	9.298		
800.00	797.82	791.31	788.91	4.62	4.57	98.98	-89.98	23.35	91.10	81.88	9.22	9.881		
900.00	896.93	909.41	886.74	4.95	4.97	98.54	-102.13	35.09	103.05	93.12	9.93	10.374		
1,000.00	996.04	989.87	984.57	5.30	5.26	98.19	-114.29	46.83	115.01	104.45	10.56	10.888		
1,100.00	1,095.15	1,089.15	1,082.40	5.67	5.64	97.91	-126.44	58.56	126.98	115.69	11.29	11.245		
1,200.00	1,194.26	1,188.43	1,180.23	6.05	6.03	97.68	-138.60	70.30	138.95	126.90	12.05	11.532		
1,300.00	1,293.37	1,287.71	1,278.06	6.45	6.44	97.48	-150.75	82.04	150.92	138.09	12.83	11.764		
1,400.00	1,392.48	1,386.99	1,375.89	6.85	6.85	97.31	-162.91	93.78	162.89	149.26	13.63	11.951		
1,500.00	1,491.59	1,486.27	1,473.72	7.26	7.28	97.17	-175.07	105.52	174.86	160.41	14.45	12.105		
1,600.00	1,590.70	1,585.55	1,571.56	7.68	7.71	97.04	-187.22	117.26	186.83	171.56	15.28	12.231		
1,700.00	1,689.81	1,684.83	1,669.39	8.10	8.15	96.93	-199.38	129.00	198.81	182.69	16.12	12.335		
1,800.00	1,788.92	1,784.11	1,767.22	8.53	8.59	96.83	-211.53	140.73	210.78	193.81	16.97	12.422		
1,900.00	1,888.03	1,883.39	1,865.05	8.96	9.04	96.75	-223.69	152.47	222.75	204.93	17.83	12.494		
2,000.00	1,987.14	1,982.67	1,962.88	9.39	9.49	96.67	-235.84	164.21	234.73	216.03	18.70	12.555		
2,100.00	2,086.25	2,081.95	2,060.71	9.83	9.95	96.60	-248.00	175.95	246.71	227.14	19.57	12.607		
2,200.00	2,185.36	2,181.23	2,158.54	10.27	10.40	96.53	-260.16	187.69	258.68	238.23	20.45	12.651		
2,300.00	2,284.47	2,280.51	2,256.37	10.71	10.86	96.47	-272.31	199.43	270.66	249.33	21.33	12.688		
2,400.00	2,383.58	2,379.79	2,354.20	11.15	11.33	96.42	-284.47	211.17	282.64	260.41	22.22	12.720		
2,500.00	2,482.69	2,479.07	2,452.04	11.60	11.79	96.37	-296.62	222.90	294.61	271.50	23.11	12.747		
2,600.00	2,581.80	2,578.35	2,549.87	12.05	12.26	96.32	-308.78	234.64	306.59	282.58	24.01	12.771		
2,700.00	2,680.91	2,677.63	2,647.70	12.50	12.72	96.28	-320.93	246.38	318.57	293.66	24.91	12.791		
2,800.00	2,780.02	2,776.91	2,745.53	12.95	13.19	96.24	-333.09	258.12	330.54	304.74	25.81	12.809		
2,900.00	2,879.13	2,876.19	2,843.36	13.40	13.66	96.21	-345.25	269.86	342.52	315.81	26.71	12.824		
3,000.00	2,978.24	2,975.47	2,941.19	13.85	14.13	96.17	-357.40	281.60	354.50	326.88	27.62	12.837		
3,100.00	3,077.35	3,074.75	3,039.02	14.30	14.61	96.14	-369.56	293.34	366.48	337.95	28.52	12.849		
3,200.00	3,176.46	3,174.03	3,136.85	14.76	15.08	96.11	-381.71	305.07	378.45	349.02	29.43	12.859		
3,300.00	3,275.57	3,273.31	3,234.69	15.21	15.55	96.08	-393.87	316.81	390.43	360.09	30.34	12.868		
3,400.00	3,374.68	3,372.59	3,332.52	15.67	16.03	96.06	-406.02	328.55	402.41	371.16	31.25	12.875		
3,500.00	3,473.79	3,471.87	3,430.35	16.12	16.50	96.03	-418.18	340.29	414.39	382.22	32.17	12.882		
3,600.00	3,572.90	3,571.15	3,528.18	16.58	16.98	96.01	-430.34	352.03	426.37	393.28	33.08	12.888		
3,700.00	3,672.01	3,670.43	3,626.01	17.04	17.46	95.99	-442.49	363.77	438.35	404.35	34.00	12.893		
3,800.00	3,771.12	3,769.71	3,723.84	17.50	17.93	95.96	-454.65	375.51	450.32	415.41	34.92	12.897		
3,900.00	3,870.23	3,868.99	3,821.67	17.95	18.41	95.94	-466.80	387.24	462.30	426.47	35.83	12.901		
4,000.00	3,969.34	3,968.27	3,919.50	18.41	18.89	95.93	-478.96	398.98	474.28	437.53	36.75	12.905		
4,100.00	4,068.45	4,067.55	4,017.33	18.87	19.37	95.91	-491.11	410.72	486.26	448.59	37.67	12.907		
4,200.00	4,167.56	4,166.83	4,115.17	19.33	19.84	95.89	-503.27	422.46	498.24	459.64	38.59	12.910		
4,300.00	4,266.67	4,266.11	4,213.00	19.79	20.32	95.87	-515.43	434.20	510.22	470.70	39.51	12.912		
4,400.00	4,365.78	4,365.39	4,310.83	20.25	20.80	95.86	-527.58	445.94	522.20	481.76	40.44	12.914		
4,500.00	4,464.89	4,464.67	4,408.66	20.71	21.28	95.84	-539.74	457.68	534.17	492.82	41.36	12.916		
4,600.00	4,564.00	4,563.95	4,506.49	21.17	21.76	95.83	-551.89	469.41	546.15	503.87	42.28	12.917		
4,700.00	4,663.11	4,663.23	4,604.32	21.63	22.24	95.82	-564.05	481.15	558.13	514.93	43.21	12.918		
4,800.00	4,762.22	4,762.51	4,702.15	22.09	22.72	95.80	-576.20	492.89	570.11	525.98	44.13	12.919		
4,900.00	4,861.33	4,861.79	4,799.98	22.56	23.20	95.79	-588.36	504.63	582.09	537.03	45.05	12.920		
5,000.00	4,960.44	4,961.07	4,897.82	23.02	23.69	95.78	-600.52	516.37	594.07	548.09	45.98	12.920		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,060.35	4,995.65	23.48	24.17	95.77	-612.67	528.11	606.05	559.14	46.91	12.921		
5,200.00	5,158.66	5,159.63	5,093.48	23.94	24.65	95.76	-624.83	539.85	618.03	570.19	47.83	12.921		
5,300.00	5,257.77	5,258.91	5,191.31	24.40	25.13	95.75	-636.98	551.58	630.00	581.25	48.76	12.921		
5,400.00	5,356.88	5,358.18	5,289.14	24.87	25.61	95.74	-649.14	563.32	641.98	592.30	49.68	12.921		
5,500.00	5,455.99	5,457.46	5,386.97	25.33	26.09	95.73	-661.29	575.06	653.96	603.35	50.61	12.921		
5,600.00	5,555.10	5,556.74	5,484.80	25.79	26.58	95.72	-673.45	586.80	665.94	614.40	51.54	12.921		
5,700.00	5,654.21	5,656.02	5,582.63	26.25	27.06	95.71	-685.60	598.54	677.92	625.45	52.47	12.921		
5,800.00	5,753.32	5,755.30	5,680.46	26.72	27.54	95.70	-697.76	610.28	689.90	636.50	53.39	12.921		
5,900.00	5,852.43	5,854.58	5,778.30	27.18	28.02	95.69	-709.92	622.02	701.88	647.56	54.32	12.921		
6,000.00	5,951.54	5,953.86	5,876.13	27.64	28.51	95.68	-722.07	633.76	713.86	658.61	55.25	12.920		
6,100.00	6,050.65	6,053.14	5,973.96	28.11	28.99	95.67	-734.23	645.49	725.84	669.66	56.18	12.920		
6,200.00	6,149.76	6,152.42	6,071.79	28.57	29.47	95.67	-746.38	657.23	737.82	680.71	57.11	12.919		
6,300.00	6,248.87	6,251.70	6,169.62	29.03	29.95	95.66	-758.54	668.97	749.79	691.76	58.04	12.919		
6,400.00	6,347.98	6,350.98	6,267.45	29.50	30.44	95.65	-770.69	680.71	761.77	702.81	58.97	12.918		
6,475.54	6,422.84	6,425.97	6,341.35	29.85	30.80	95.65	-779.88	689.58	770.82	711.15	59.67	12.918		
6,500.00	6,447.14	6,450.27	6,365.29	29.96	30.92	94.50	-782.85	692.45	773.68	713.78	59.89	12.917		
6,550.00	6,497.05	6,500.19	6,414.11	30.17	31.16	73.63	-788.92	698.31	779.05	718.72	60.33	12.912		
6,600.00	6,547.02	6,548.97	6,462.55	30.37	31.40	-73.43	-794.94	704.12	783.84	723.10	60.74	12.905		
6,650.00	6,596.75	6,596.35	6,508.27	30.55	31.63	-77.83	-800.62	709.47	788.13	727.02	61.11	12.898		
6,700.00	6,645.93	6,637.12	6,549.62	30.74	31.82	-79.37	-805.81	712.21	792.30	730.89	61.42	12.901		
6,750.00	6,694.25	6,679.48	6,591.63	30.93	32.00	-80.34	-811.14	712.19	796.48	734.75	61.73	12.904		
6,800.00	6,741.43	6,722.49	6,634.18	31.12	32.17	-81.13	-816.60	709.29	800.65	738.61	62.04	12.905		
6,850.00	6,787.16	6,766.22	6,677.14	31.32	32.32	-81.84	-822.18	703.37	804.81	742.44	62.37	12.904		
6,900.00	6,831.16	6,810.74	6,720.35	31.52	32.48	-82.53	-827.87	694.32	808.95	746.23	62.72	12.899		
6,950.00	6,873.17	6,856.13	6,763.64	31.74	32.62	-83.22	-833.63	681.97	813.06	749.97	63.09	12.888		
7,000.00	6,912.92	6,902.48	6,806.81	31.96	32.77	-83.91	-839.46	666.19	817.14	753.65	63.49	12.871		
7,050.00	6,950.18	6,949.87	6,849.66	32.21	32.92	-84.62	-845.32	646.81	821.16	757.24	63.92	12.847		
7,100.00	6,984.70	6,998.40	6,891.91	32.48	33.07	-85.34	-851.20	623.70	825.12	760.73	64.39	12.815		
7,150.00	7,016.29	7,048.17	6,933.29	32.77	33.22	-86.09	-857.04	596.70	828.98	764.09	64.89	12.775		
7,200.00	7,044.73	7,099.26	6,973.45	33.10	33.38	-86.86	-862.83	565.67	832.73	767.29	65.43	12.726		
7,250.00	7,069.86	7,151.79	7,012.02	33.46	33.56	-87.64	-868.50	530.49	836.32	770.30	66.02	12.667		
7,300.00	7,091.53	7,205.84	7,048.55	33.86	33.75	-88.44	-874.00	491.06	839.73	773.07	66.67	12.596		
7,350.00	7,109.59	7,261.50	7,082.56	34.30	33.97	-89.26	-879.28	447.33	842.92	775.55	67.37	12.511		
7,400.00	7,123.94	7,318.86	7,113.49	34.78	34.23	-90.08	-884.27	399.31	845.83	777.68	68.15	12.411		
7,450.00	7,134.49	7,377.97	7,140.74	35.29	34.54	-90.91	-888.88	347.09	848.42	779.41	69.01	12.294		
7,500.00	7,141.18	7,438.87	7,163.66	35.84	34.93	-91.74	-893.03	290.84	850.62	780.66	69.96	12.158		
7,550.00	7,143.95	7,501.58	7,181.57	36.42	35.39	-92.56	-896.63	230.88	852.39	781.37	71.02	12.003		
7,567.79	7,144.00	7,524.32	7,186.60	36.63	35.59	-92.85	-897.75	208.73	852.90	781.48	71.42	11.941		
7,600.00	7,143.62	7,566.23	7,193.81	37.03	35.96	-93.36	-899.58	167.50	853.60	781.40	72.21	11.822		
7,700.00	7,142.46	7,691.86	7,199.56	38.38	37.26	-93.85	-903.08	42.21	853.43	778.45	74.98	11.383		
7,800.00	7,141.29	7,808.15	7,197.75	39.88	38.73	-93.81	-905.05	-57.74	852.11	774.08	78.03	10.921		
7,900.00	7,140.13	7,908.16	7,195.93	41.53	40.19	-93.77	-907.03	-157.69	850.79	769.62	81.17	10.481		
8,000.00	7,138.97	8,008.17	7,194.11	43.30	41.80	-93.73	-909.00	-257.65	849.47	764.89	84.58	10.043		
8,100.00	7,137.80	8,091.82	7,192.30	45.18	43.26	-93.69	-910.98	-357.60	848.15	760.22	87.93	9.646		
8,200.00	7,136.64	8,208.19	7,190.48	47.16	45.41	-93.65	-912.96	-457.55	846.83	754.75	92.08	9.197		
8,300.00	7,135.48	8,308.20	7,188.66	49.22	47.37	-93.62	-914.93	-557.51	845.51	749.39	96.12	8.797		
8,400.00	7,134.32	8,408.21	7,186.85	51.36	49.42	-93.58	-916.91	-657.46	844.19	743.88	100.31	8.416		
8,500.00	7,133.15	8,508.22	7,185.03	53.56	51.55	-93.54	-918.88	-757.42	842.87	738.22	104.65	8.054		
8,600.00	7,131.99	8,608.23	7,183.21	55.82	53.74	-93.50	-920.86	-857.37	841.55	732.44	109.11	7.713		
8,700.00	7,130.83	8,708.24	7,181.39	58.13	56.00	-93.46	-922.84	-957.32	840.23	726.55	113.68	7.391		
8,800.00	7,129.66	8,808.25	7,179.58	60.49	58.30	-93.42	-924.81	-1,057.28	838.92	720.56	118.35	7.088		
8,900.00	7,128.50	8,908.26	7,177.76	62.89	60.66	-93.38	-926.79	-1,157.23	837.60	714.49	123.11	6.804		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	9,008.27	7,175.94	65.32	63.05	-93.34	-928.76	-1,257.18	836.28	708.34	127.94	6.536		
9,100.00	7,126.17	9,108.28	7,174.13	67.79	65.48	-93.30	-930.74	-1,357.14	834.97	702.13	132.84	6.285		
9,200.00	7,125.01	9,208.30	7,172.31	70.28	67.94	-93.26	-932.72	-1,457.09	833.65	695.85	137.80	6.050		
9,300.00	7,123.85	9,308.31	7,170.49	72.80	70.44	-93.22	-934.69	-1,557.04	832.34	689.52	142.82	5.828		
9,400.00	7,122.68	9,408.32	7,168.68	75.34	72.95	-93.18	-936.67	-1,657.00	831.02	683.14	147.88	5.619		
9,500.00	7,121.52	9,508.33	7,166.86	77.91	75.50	-93.14	-938.64	-1,756.95	829.71	676.71	152.99	5.423		
9,600.00	7,120.36	9,608.34	7,165.04	80.49	78.06	-93.10	-940.62	-1,856.91	828.39	670.25	158.14	5.238		
9,700.00	7,119.19	9,708.35	7,163.22	83.09	80.64	-93.06	-942.60	-1,956.86	827.08	663.75	163.33	5.064		
9,800.00	7,118.03	9,808.36	7,161.41	85.70	83.24	-93.02	-944.57	-2,056.81	825.76	657.22	168.55	4.899		
9,900.00	7,116.87	9,908.37	7,159.59	88.33	85.86	-92.98	-946.55	-2,156.77	824.45	650.65	173.80	4.744		
10,000.00	7,115.70	10,008.38	7,157.77	90.98	88.49	-92.94	-948.52	-2,256.72	823.14	644.06	179.07	4.597		
10,100.00	7,114.54	10,108.39	7,155.96	93.63	91.13	-92.90	-950.50	-2,356.67	821.83	637.45	184.38	4.457		
10,200.00	7,113.38	10,208.40	7,154.14	96.29	93.79	-92.86	-952.48	-2,456.63	820.51	630.82	189.70	4.325		
10,300.00	7,112.21	10,308.41	7,152.32	98.97	96.45	-92.82	-954.45	-2,556.58	819.20	624.16	195.04	4.200		
10,400.00	7,111.05	10,408.42	7,150.51	101.65	99.13	-92.77	-956.43	-2,656.53	817.89	617.48	200.41	4.081		
10,500.00	7,109.89	10,508.43	7,148.69	104.34	101.82	-92.73	-958.40	-2,756.49	816.58	610.79	205.79	3.968		
10,600.00	7,108.72	10,608.44	7,146.87	107.04	104.51	-92.69	-960.38	-2,856.44	815.27	604.08	211.19	3.860		
10,700.00	7,107.56	10,708.45	7,145.05	109.75	107.21	-92.65	-962.36	-2,956.40	813.96	597.36	216.61	3.758		
10,800.00	7,106.40	10,808.46	7,143.24	112.47	109.92	-92.61	-964.33	-3,056.35	812.65	590.62	222.04	3.660		
10,900.00	7,105.24	10,908.47	7,141.42	115.19	112.64	-92.57	-966.31	-3,156.30	811.34	583.87	227.48	3.567		
11,000.00	7,104.07	10,991.52	7,139.60	117.91	114.90	-92.52	-968.28	-3,256.26	810.04	577.57	232.47	3.484		
11,100.00	7,102.91	11,108.49	7,137.79	120.64	118.09	-92.48	-970.26	-3,356.21	808.73	570.33	238.40	3.392		
11,200.00	7,101.75	11,191.50	7,135.97	123.38	120.36	-92.44	-972.24	-3,456.16	807.42	564.01	243.41	3.317		
11,300.00	7,100.58	11,308.51	7,134.15	126.12	123.56	-92.40	-974.21	-3,556.12	806.11	556.75	249.36	3.233		
11,400.00	7,099.42	11,408.52	7,132.34	128.87	126.31	-92.35	-976.19	-3,656.07	804.81	549.95	254.86	3.158		
11,500.00	7,098.26	11,508.53	7,130.52	131.62	129.06	-92.31	-978.16	-3,756.02	803.50	543.14	260.36	3.086		
11,600.00	7,097.09	11,608.54	7,128.70	134.37	131.81	-92.27	-980.14	-3,855.98	802.20	536.32	265.87	3.017		
11,700.00	7,095.93	11,708.55	7,126.88	137.13	134.57	-92.22	-982.12	-3,955.93	800.89	529.49	271.40	2.951		
11,800.00	7,094.77	11,808.56	7,125.07	139.89	137.33	-92.18	-984.09	-4,055.89	799.59	522.66	276.92	2.887		
11,900.00	7,093.60	11,908.57	7,123.25	142.65	140.09	-92.14	-986.07	-4,155.84	798.28	515.82	282.46	2.826		
12,000.00	7,092.44	12,008.58	7,121.43	145.42	142.86	-92.09	-988.04	-4,255.79	796.98	508.98	288.00	2.767		
12,100.00	7,091.28	12,108.60	7,119.62	148.19	145.63	-92.05	-990.02	-4,355.75	795.67	502.13	293.55	2.711		
12,200.00	7,090.11	12,208.61	7,117.80	150.96	148.40	-92.01	-992.00	-4,455.70	794.37	495.27	299.10	2.656		
12,300.00	7,088.95	12,308.62	7,115.98	153.74	151.18	-91.96	-993.97	-4,555.65	793.07	488.41	304.66	2.603		
12,400.00	7,087.79	12,408.63	7,114.17	156.52	153.96	-91.92	-995.95	-4,655.61	791.77	481.54	310.22	2.552		
12,500.00	7,086.62	12,508.64	7,112.35	159.30	156.74	-91.87	-997.92	-4,755.56	790.46	474.67	315.79	2.503		
12,600.00	7,085.46	12,608.65	7,110.53	162.08	159.52	-91.83	-999.90	-4,855.51	789.16	467.80	321.36	2.456		
12,700.00	7,084.30	12,708.66	7,108.71	164.86	162.31	-91.78	-1,001.88	-4,955.47	787.86	460.92	326.94	2.410		
12,800.00	7,083.13	12,791.33	7,106.90	167.65	164.61	-91.74	-1,003.85	-5,055.42	786.56	454.52	332.04	2.369		
12,900.00	7,081.97	12,908.68	7,105.08	170.44	167.89	-91.70	-1,005.83	-5,155.38	785.26	447.15	338.11	2.323		
13,000.00	7,080.81	13,008.69	7,103.26	173.23	170.68	-91.65	-1,007.80	-5,255.33	783.96	440.27	343.70	2.281		
13,100.00	7,079.64	13,108.70	7,101.45	176.02	173.47	-91.61	-1,009.78	-5,355.28	782.67	433.37	349.29	2.241		
13,200.00	7,078.48	13,208.71	7,099.63	178.81	176.27	-91.56	-1,011.76	-5,455.24	781.37	426.48	354.89	2.202		
13,300.00	7,077.32	13,308.72	7,097.81	181.61	179.07	-91.51	-1,013.73	-5,555.19	780.07	419.58	360.49	2.164		
13,400.00	7,076.16	13,408.73	7,096.00	184.40	181.87	-91.47	-1,015.71	-5,655.14	778.77	412.68	366.09	2.127		
13,500.00	7,074.99	13,508.74	7,094.18	187.20	184.67	-91.42	-1,017.68	-5,755.10	777.48	405.78	371.70	2.092		
13,600.00	7,073.83	13,608.75	7,092.36	190.00	187.47	-91.38	-1,019.66	-5,855.05	776.18	398.88	377.30	2.057		
13,700.00	7,072.67	13,708.76	7,090.55	192.80	190.27	-91.33	-1,021.64	-5,955.00	774.88	391.97	382.92	2.024		
13,800.00	7,071.50	13,808.77	7,088.73	195.60	193.08	-91.28	-1,023.61	-6,054.96	773.59	385.06	388.53	1.991		
13,900.00	7,070.34	13,908.78	7,086.91	198.41	195.88	-91.24	-1,025.59	-6,154.91	772.29	378.15	394.14	1.959		
14,000.00	7,069.18	13,991.21	7,085.09	201.21	198.20	-91.19	-1,027.56	-6,254.87	771.00	371.73	399.27	1.931		
14,100.00	7,068.01	14,108.80	7,083.28	204.02	201.50	-91.15	-1,029.54	-6,354.82	769.71	364.32	405.38	1.899		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	7,066.85	14,191.19	7,081.46	206.82	203.81	-91.10	-1,031.52	-6,454.77	768.41	357.90	410.51	1.872		
14,300.00	7,065.69	14,308.82	7,079.64	209.63	207.12	-91.05	-1,033.49	-6,554.73	767.12	350.49	416.63	1.841		
14,400.00	7,064.52	14,408.83	7,077.83	212.44	209.93	-91.00	-1,035.47	-6,654.68	765.83	343.57	422.26	1.814		
14,500.00	7,063.36	14,508.84	7,076.01	215.25	212.74	-90.96	-1,037.44	-6,754.63	764.54	336.65	427.88	1.787		
14,600.00	7,062.20	14,608.85	7,074.19	218.06	215.55	-90.91	-1,039.42	-6,854.59	763.25	329.73	433.51	1.761		
14,700.00	7,061.03	14,708.86	7,072.38	220.87	218.37	-90.86	-1,041.40	-6,954.54	761.96	322.81	439.14	1.735		
14,800.00	7,059.87	14,808.87	7,070.56	223.68	221.18	-90.81	-1,043.37	-7,054.49	760.67	315.89	444.78	1.710		
14,900.00	7,058.71	14,908.88	7,068.74	226.49	224.00	-90.77	-1,045.35	-7,154.45	759.38	308.97	450.41	1.686		
15,000.00	7,057.54	15,008.90	7,066.92	229.30	226.82	-90.72	-1,047.32	-7,254.40	758.09	302.04	456.05	1.662		
15,100.00	7,056.38	15,108.91	7,065.11	232.12	229.63	-90.67	-1,049.30	-7,354.35	756.80	295.12	461.68	1.639		
15,200.00	7,055.22	15,208.92	7,063.29	234.93	232.45	-90.62	-1,051.28	-7,454.31	755.51	288.19	467.32	1.617		
15,300.00	7,054.05	15,308.93	7,061.47	237.75	235.27	-90.57	-1,053.25	-7,554.26	754.22	281.26	472.96	1.595		
15,400.00	7,052.89	15,408.94	7,059.66	240.56	238.09	-90.52	-1,055.23	-7,654.22	752.94	274.34	478.60	1.573		
15,500.00	7,051.73	15,508.95	7,057.84	243.38	240.91	-90.47	-1,057.20	-7,754.17	751.65	267.41	484.24	1.552		
15,600.00	7,050.56	15,591.04	7,056.02	246.20	243.23	-90.43	-1,059.18	-7,854.12	750.37	260.98	489.38	1.533		
15,648.52	7,050.00	15,639.56	7,055.14	247.57	244.59	-90.40	-1,060.14	-7,902.62	749.74	257.62	492.12	1.523 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-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	300.00	300.00	3.44	3.44	-174.32	-44.81	-4.45	45.03	38.14	6.89	6.536 CC, ES		
400.00	399.98	399.11	399.09	3.60	3.60	94.54	-45.91	-3.14	46.14	38.94	7.20	6.409		
500.00	499.84	498.14	497.98	3.80	3.79	95.53	-49.22	0.78	49.46	41.87	7.59	6.516		
600.00	599.45	597.01	596.48	4.04	4.02	96.91	-54.72	7.31	55.03	46.96	8.07	6.821		
682.50	681.36	678.41	677.31	4.26	4.24	98.14	-60.88	14.64	61.32	52.81	8.51	7.202		
700.00	698.71	695.66	694.40	4.32	4.29	98.38	-62.38	16.41	62.85	54.23	8.61	7.296		
800.00	797.82	794.14	791.70	4.62	4.58	98.20	-72.18	28.05	72.56	63.33	9.22	7.867		
900.00	896.93	896.41	889.72	4.95	4.96	97.21	-82.97	40.87	82.98	73.06	9.92	8.363		
1,000.00	996.04	1,006.96	987.75	5.30	5.33	96.45	-93.77	53.69	93.43	82.80	10.63	8.792		
1,100.00	1,095.15	1,107.52	1,085.77	5.67	5.71	95.84	-104.56	66.50	103.89	92.52	11.36	9.141		
1,200.00	1,194.26	1,208.07	1,183.80	6.05	6.11	95.34	-115.35	79.32	114.36	102.23	12.13	9.427		
1,300.00	1,293.37	1,308.63	1,281.82	6.45	6.53	94.92	-126.15	92.14	124.84	111.91	12.92	9.661		
1,400.00	1,392.48	1,409.18	1,379.84	6.85	6.95	94.57	-136.94	104.95	135.32	121.59	13.73	9.856		
1,500.00	1,491.59	1,509.74	1,477.87	7.26	7.38	94.27	-147.73	117.77	145.80	131.25	14.55	10.018		
1,600.00	1,590.70	1,589.71	1,575.89	7.68	7.73	94.01	-158.52	130.59	156.29	140.99	15.30	10.212		
1,700.00	1,689.81	1,689.16	1,673.92	8.10	8.17	93.78	-169.32	143.40	166.79	150.64	16.15	10.329		
1,800.00	1,788.92	1,788.60	1,771.94	8.53	8.61	93.58	-180.11	156.22	177.28	160.28	17.00	10.428		
1,900.00	1,888.03	1,888.05	1,869.97	8.96	9.06	93.40	-190.90	169.04	187.78	169.92	17.86	10.513		
2,000.00	1,987.14	1,987.49	1,967.99	9.39	9.51	93.24	-201.69	181.85	198.28	179.55	18.73	10.586		
2,100.00	2,086.25	2,086.94	2,066.01	9.83	9.96	93.10	-212.49	194.67	208.78	189.17	19.61	10.649		
2,200.00	2,185.36	2,186.39	2,164.04	10.27	10.42	92.97	-223.28	207.49	219.28	198.79	20.49	10.704		
2,300.00	2,284.47	2,285.83	2,262.06	10.71	10.88	92.85	-234.07	220.30	229.78	208.41	21.37	10.752		
2,400.00	2,383.58	2,385.28	2,360.09	11.15	11.34	92.74	-244.87	233.12	240.28	218.02	22.26	10.794		
2,500.00	2,482.69	2,484.72	2,458.11	11.60	11.81	92.64	-255.66	245.94	250.78	227.63	23.15	10.832		
2,600.00	2,581.80	2,584.17	2,556.14	12.05	12.27	92.55	-266.45	258.75	261.29	237.24	24.05	10.865		
2,700.00	2,680.91	2,683.62	2,654.16	12.50	12.74	92.47	-277.24	271.57	271.79	246.85	24.95	10.895		
2,800.00	2,780.02	2,783.06	2,752.18	12.95	13.21	92.39	-288.04	284.39	282.30	256.45	25.85	10.921		
2,900.00	2,879.13	2,882.51	2,850.21	13.40	13.68	92.32	-298.83	297.20	292.80	266.05	26.75	10.945		
3,000.00	2,978.24	2,981.95	2,948.23	13.85	14.15	92.25	-309.62	310.02	303.31	275.65	27.66	10.966		
3,100.00	3,077.35	3,081.40	3,046.26	14.30	14.62	92.19	-320.41	322.84	313.82	285.25	28.57	10.985		
3,200.00	3,176.46	3,180.85	3,144.28	14.76	15.10	92.13	-331.21	335.65	324.32	294.85	29.48	11.002		
3,300.00	3,275.57	3,280.29	3,242.30	15.21	15.57	92.08	-342.00	348.47	334.83	304.44	30.39	11.018		
3,400.00	3,374.68	3,379.74	3,340.33	15.67	16.04	92.02	-352.79	361.29	345.34	314.04	31.30	11.032		
3,500.00	3,473.79	3,479.18	3,438.35	16.12	16.52	91.98	-363.58	374.10	355.85	323.63	32.22	11.046		
3,600.00	3,572.90	3,578.63	3,536.38	16.58	17.00	91.93	-374.38	386.92	366.36	333.22	33.13	11.057		
3,700.00	3,672.01	3,678.08	3,634.40	17.04	17.47	91.89	-385.17	399.74	376.86	342.82	34.05	11.068		
3,800.00	3,771.12	3,777.52	3,732.43	17.50	17.95	91.85	-395.96	412.55	387.37	352.41	34.97	11.078		
3,900.00	3,870.23	3,876.97	3,830.45	17.95	18.43	91.81	-406.76	425.37	397.88	362.00	35.88	11.088		
4,000.00	3,969.34	3,976.41	3,928.47	18.41	18.90	91.77	-417.55	438.19	408.39	371.59	36.80	11.096		
4,100.00	4,068.45	4,075.86	4,026.50	18.87	19.38	91.74	-428.34	451.00	418.90	381.17	37.72	11.104		
4,200.00	4,167.56	4,175.31	4,124.52	19.33	19.86	91.70	-439.13	463.82	429.41	390.76	38.65	11.111		
4,300.00	4,266.67	4,274.75	4,222.55	19.79	20.34	91.67	-449.93	476.64	439.92	400.35	39.57	11.118		
4,400.00	4,365.78	4,374.20	4,320.57	20.25	20.82	91.64	-460.72	489.45	450.43	409.94	40.49	11.124		
4,500.00	4,464.89	4,473.64	4,418.60	20.71	21.30	91.61	-471.51	502.27	460.94	419.52	41.41	11.130		
4,600.00	4,564.00	4,573.09	4,516.62	21.17	21.78	91.59	-482.30	515.09	471.45	429.11	42.34	11.136		
4,700.00	4,663.11	4,672.54	4,614.64	21.63	22.26	91.56	-493.10	527.90	481.96	438.69	43.26	11.141		
4,800.00	4,762.22	4,771.98	4,712.67	22.09	22.74	91.54	-503.89	540.72	492.47	448.28	44.19	11.145		
4,900.00	4,861.33	4,871.43	4,810.69	22.56	23.22	91.51	-514.68	553.54	502.98	457.86	45.11	11.150		
5,000.00	4,960.44	4,970.87	4,908.72	23.02	23.70	91.49	-525.47	566.35	513.49	467.45	46.04	11.154		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,070.32	5,006.74	23.48	24.18	91.47	-536.27	579.17	524.00	477.03	46.96	11.158		
5,200.00	5,158.66	5,169.77	5,104.77	23.94	24.66	91.45	-547.06	591.99	534.51	486.62	47.89	11.161		
5,300.00	5,257.77	5,269.21	5,202.79	24.40	25.14	91.43	-557.85	604.80	545.02	496.20	48.82	11.165		
5,400.00	5,356.88	5,368.66	5,300.81	24.87	25.62	91.41	-568.65	617.62	555.53	505.78	49.74	11.168		
5,500.00	5,455.99	5,468.10	5,398.84	25.33	26.11	91.39	-579.44	630.44	566.04	515.37	50.67	11.171		
5,600.00	5,555.10	5,567.55	5,496.86	25.79	26.59	91.37	-590.23	643.25	576.55	524.95	51.60	11.174		
5,700.00	5,654.21	5,667.00	5,594.89	26.25	27.07	91.35	-601.02	656.07	587.06	534.53	52.53	11.176		
5,800.00	5,753.32	5,766.44	5,692.91	26.72	27.55	91.33	-611.82	668.89	597.57	544.11	53.46	11.179		
5,900.00	5,852.43	5,865.89	5,790.93	27.18	28.04	91.32	-622.61	681.70	608.08	553.69	54.38	11.181		
6,000.00	5,951.54	5,965.33	5,888.96	27.64	28.52	91.30	-633.40	694.52	618.59	563.28	55.31	11.183		
6,100.00	6,050.65	6,064.78	5,986.98	28.11	29.00	91.29	-644.19	707.34	629.10	572.86	56.24	11.186		
6,200.00	6,149.76	6,164.23	6,085.01	28.57	29.48	91.27	-654.99	720.16	639.61	582.44	57.17	11.187		
6,300.00	6,248.87	6,261.47	6,180.91	29.03	29.95	91.29	-665.56	732.28	650.16	592.09	58.08	11.195		
6,400.00	6,347.98	6,350.93	6,269.70	29.50	30.34	92.11	-675.64	734.33	661.75	602.87	58.88	11.239		
6,475.54	6,422.84	6,415.71	6,333.71	29.85	30.57	93.34	-683.15	727.99	671.75	612.33	59.43	11.304		
6,500.00	6,447.14	6,436.08	6,353.65	29.96	30.64	92.75	-685.53	724.64	675.24	615.66	59.59	11.332		
6,550.00	6,497.05	6,477.25	6,393.59	30.17	30.78	73.22	-690.36	715.93	682.50	622.62	59.88	11.398		
6,600.00	6,547.02	6,517.86	6,432.35	30.37	30.92	-72.24	-695.14	704.81	689.86	629.74	60.12	11.474		
6,650.00	6,596.75	6,557.99	6,469.87	30.55	31.05	-74.87	-699.85	691.40	697.24	636.91	60.33	11.557		
6,700.00	6,645.93	6,597.68	6,506.07	30.74	31.17	-74.71	-704.47	675.81	704.55	644.04	60.51	11.644		
6,750.00	6,694.25	6,636.98	6,540.89	30.93	31.30	-74.03	-709.00	658.18	711.73	651.06	60.67	11.731		
6,800.00	6,741.43	6,675.94	6,574.27	31.12	31.43	-73.21	-713.43	638.59	718.71	657.89	60.81	11.818		
6,850.00	6,787.16	6,714.60	6,606.15	31.32	31.56	-72.37	-717.75	617.15	725.41	664.46	60.95	11.902		
6,900.00	6,831.16	6,753.01	6,636.47	31.52	31.69	-71.57	-721.94	593.96	731.78	670.69	61.08	11.980		
6,950.00	6,873.17	6,791.20	6,665.17	31.74	31.83	-70.82	-726.00	569.12	737.76	676.53	61.23	12.049		
7,000.00	6,912.92	6,829.20	6,692.22	31.96	31.97	-70.15	-729.92	542.72	743.30	681.91	61.40	12.107		
7,050.00	6,950.18	6,867.04	6,717.54	32.21	32.13	-69.56	-733.69	514.85	748.37	686.77	61.60	12.150		
7,100.00	6,984.70	6,904.77	6,741.10	32.48	32.30	-69.05	-737.30	485.61	752.91	691.07	61.84	12.176		
7,150.00	7,016.29	6,942.41	6,762.83	32.77	32.48	-68.64	-740.74	455.08	756.90	694.76	62.14	12.181		
7,200.00	7,044.73	6,979.99	6,782.70	33.10	32.68	-68.31	-744.01	423.36	760.31	697.79	62.51	12.162		
7,250.00	7,069.86	7,017.54	6,800.66	33.46	32.91	-68.08	-747.09	390.54	763.11	700.15	62.96	12.120		
7,300.00	7,091.53	7,055.08	6,816.66	33.86	33.15	-67.95	-749.98	356.70	765.30	701.80	63.50	12.052		
7,350.00	7,109.59	7,092.64	6,830.65	34.30	33.43	-67.90	-752.68	321.96	766.85	702.72	64.14	11.957		
7,400.00	7,123.94	7,130.25	6,842.59	34.78	33.73	-67.96	-755.16	286.38	767.77	702.90	64.87	11.835		
7,450.00	7,134.49	7,167.94	6,852.44	35.29	34.06	-68.10	-757.42	250.08	768.05	702.35	65.71	11.689		
7,500.00	7,141.18	7,205.73	6,860.15	35.84	34.41	-68.35	-759.47	213.15	767.71	701.07	66.63	11.521		
7,550.00	7,143.95	7,243.65	6,865.69	36.42	34.79	-68.68	-761.28	175.68	766.74	699.08	67.66	11.333		
7,567.79	7,144.00	7,257.18	6,867.12	36.63	34.93	-68.83	-761.86	162.24	766.25	698.21	68.04	11.262		
7,600.00	7,143.62	7,281.78	6,869.01	37.03	35.20	-68.98	-762.85	137.73	765.45	696.70	68.75	11.134		
7,700.00	7,142.46	7,367.98	6,869.42	38.38	36.21	-69.08	-765.61	51.60	764.75	693.66	71.09	10.758		
7,800.00	7,141.29	7,467.98	6,868.00	39.88	37.56	-69.06	-768.59	-48.34	764.58	690.74	73.84	10.355		
7,900.00	7,140.13	7,567.98	6,866.57	41.53	39.07	-69.03	-771.57	-148.29	764.42	687.56	76.86	9.946		
8,000.00	7,138.97	7,667.98	6,865.15	43.30	40.74	-69.01	-774.55	-248.23	764.26	684.14	80.12	9.539		
8,100.00	7,137.80	7,767.98	6,863.73	45.18	42.53	-68.98	-777.53	-348.17	764.09	680.50	83.59	9.141		
8,200.00	7,136.64	7,867.98	6,862.30	47.16	44.44	-68.95	-780.51	-448.12	763.93	676.67	87.25	8.755		
8,300.00	7,135.48	7,967.98	6,860.88	49.22	46.44	-68.93	-783.49	-548.06	763.77	672.68	91.08	8.386		
8,400.00	7,134.32	8,067.98	6,859.45	51.36	48.54	-68.90	-786.47	-648.01	763.60	668.55	95.05	8.033		
8,500.00	7,133.15	8,167.97	6,858.03	53.56	50.70	-68.88	-789.45	-747.95	763.44	664.29	99.15	7.700		
8,600.00	7,131.99	8,267.97	6,856.60	55.82	52.93	-68.85	-792.44	-847.90	763.28	659.92	103.36	7.385		
8,700.00	7,130.83	8,367.97	6,855.18	58.13	55.22	-68.83	-795.42	-947.84	763.11	655.44	107.67	7.088		
8,800.00	7,129.66	8,467.97	6,853.76	60.49	57.56	-68.80	-798.40	-1,047.79	762.95	650.88	112.07	6.808		
8,900.00	7,128.50	8,567.97	6,852.33	62.89	59.94	-68.77	-801.38	-1,147.73	762.79	646.25	116.54	6.545		

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 33C-6-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 33C-6-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	7,127.34	8,667.97	6,850.91	65.32	62.36	-68.75	-804.36	-1,247.68	762.63	641.55	121.08	6.299		
9,100.00	7,126.17	8,767.97	6,849.48	67.79	64.81	-68.72	-807.34	-1,347.62	762.46	636.78	125.68	6.067		
9,200.00	7,125.01	8,867.97	6,848.06	70.28	67.30	-68.70	-810.32	-1,447.57	762.30	631.97	130.33	5.849		
9,300.00	7,123.85	8,967.97	6,846.63	72.80	69.81	-68.67	-813.30	-1,547.51	762.14	627.10	135.04	5.644		
9,400.00	7,122.68	9,067.97	6,845.21	75.34	72.35	-68.64	-816.28	-1,647.46	761.98	622.20	139.78	5.451		
9,500.00	7,121.52	9,167.97	6,843.79	77.91	74.91	-68.62	-819.26	-1,747.40	761.82	617.25	144.56	5.270		
9,600.00	7,120.36	9,267.97	6,842.36	80.49	77.49	-68.59	-822.25	-1,847.34	761.65	612.27	149.38	5.099		
9,700.00	7,119.19	9,367.97	6,840.94	83.09	80.09	-68.57	-825.23	-1,947.29	761.49	607.26	154.23	4.937		
9,800.00	7,118.03	9,467.97	6,839.51	85.70	82.70	-68.54	-828.21	-2,047.23	761.33	602.22	159.11	4.785		
9,900.00	7,116.87	9,567.96	6,838.09	88.33	85.33	-68.52	-831.19	-2,147.18	761.17	597.16	164.01	4.641		
10,000.00	7,115.70	9,667.96	6,836.66	90.98	87.98	-68.49	-834.17	-2,247.12	761.01	592.07	168.94	4.505		
10,100.00	7,114.54	9,767.96	6,835.24	93.63	90.63	-68.46	-837.15	-2,347.07	760.85	586.96	173.89	4.376		
10,200.00	7,113.38	9,867.96	6,833.82	96.29	93.30	-68.44	-840.13	-2,447.01	760.69	581.83	178.85	4.253		
10,300.00	7,112.21	9,967.96	6,832.39	98.97	95.97	-68.41	-843.11	-2,546.96	760.53	576.69	183.84	4.137		
10,400.00	7,111.05	10,067.96	6,830.97	101.65	98.66	-68.39	-846.09	-2,646.90	760.37	571.53	188.84	4.027		
10,500.00	7,109.89	10,167.96	6,829.54	104.34	101.35	-68.36	-849.07	-2,746.85	760.21	566.36	193.85	3.922		
10,600.00	7,108.72	10,267.96	6,828.12	107.04	104.05	-68.33	-852.06	-2,846.79	760.05	561.17	198.88	3.822		
10,700.00	7,107.56	10,367.96	6,826.69	109.75	106.76	-68.31	-855.04	-2,946.74	759.89	555.97	203.92	3.726		
10,800.00	7,106.40	10,467.96	6,825.27	112.47	109.48	-68.28	-858.02	-3,046.68	759.73	550.76	208.97	3.636		
10,900.00	7,105.24	10,567.96	6,823.85	115.19	112.20	-68.26	-861.00	-3,146.63	759.57	545.54	214.03	3.549		
11,000.00	7,104.07	10,667.96	6,822.42	117.91	114.93	-68.23	-863.98	-3,246.57	759.41	540.31	219.10	3.466		
11,100.00	7,102.91	10,767.96	6,821.00	120.64	117.67	-68.20	-866.96	-3,346.52	759.25	535.07	224.18	3.387		
11,200.00	7,101.75	10,867.96	6,819.57	123.38	120.41	-68.18	-869.94	-3,446.46	759.09	529.82	229.27	3.311		
11,300.00	7,100.58	10,967.95	6,818.15	126.12	123.15	-68.15	-872.92	-3,546.40	758.93	524.57	234.36	3.238		
11,400.00	7,099.42	11,067.95	6,816.72	128.87	125.90	-68.13	-875.90	-3,646.35	758.78	519.31	239.46	3.169		
11,500.00	7,098.26	11,167.95	6,815.30	131.62	128.65	-68.10	-878.88	-3,746.29	758.62	514.05	244.57	3.102		
11,600.00	7,097.09	11,267.95	6,813.88	134.37	131.41	-68.07	-881.86	-3,846.24	758.46	508.77	249.68	3.038		
11,700.00	7,095.93	11,367.95	6,812.45	137.13	134.17	-68.05	-884.85	-3,946.18	758.30	503.50	254.80	2.976		
11,800.00	7,094.77	11,467.95	6,811.03	139.89	136.93	-68.02	-887.83	-4,046.13	758.14	498.22	259.92	2.917		
11,900.00	7,093.60	11,567.94	6,809.61	142.65	140.00	-67.99	-890.79	-4,146.07	757.98	492.94	265.04	2.857		
12,000.00	7,092.44	11,667.94	6,808.19	145.42	143.51	-67.96	-893.77	-4,245.99	757.82	487.66	270.16	2.797		
12,100.00	7,091.28	11,767.94	6,806.77	148.19	146.30	-67.93	-896.75	-4,345.91	757.66	482.38	275.28	2.737		
12,200.00	7,090.11	11,867.94	6,805.35	150.96	149.09	-67.90	-899.73	-4,445.83	757.50	477.10	280.40	2.677		
12,300.00	7,088.95	11,967.94	6,803.93	153.74	151.88	-67.87	-902.71	-4,545.75	757.34	471.82	285.52	2.617		
12,400.00	7,087.79	12,067.94	6,802.51	156.52	154.68	-67.84	-905.69	-4,645.67	757.18	466.54	290.64	2.557		
12,500.00	7,086.62	12,167.94	6,801.09	159.30	157.47	-67.81	-908.67	-4,745.59	757.02	461.26	295.76	2.497		
12,600.00	7,085.46	12,267.94	6,799.67	162.08	160.27	-67.78	-911.65	-4,845.51	756.86	455.98	300.88	2.437		
12,700.00	7,084.30	12,367.94	6,798.25	164.86	163.08	-67.75	-914.63	-4,945.43	756.70	450.70	306.00	2.377		
12,800.00	7,083.13	12,467.94	6,796.83	167.65	165.88	-67.72	-917.61	-5,045.35	756.54	445.42	311.12	2.317		
12,900.00	7,081.97	12,567.94	6,795.41	170.44	168.69	-67.69	-920.59	-5,145.27	756.38	440.14	316.24	2.257		
13,000.00	7,080.81	12,667.94	6,793.99	173.23	171.50	-67.66	-923.57	-5,245.19	756.22	434.86	321.36	2.197		
13,100.00	7,079.64	12,767.94	6,792.57	176.02	174.31	-67.63	-926.55	-5,345.11	756.06	429.58	326.48	2.137		
13,200.00	7,078.48	12,867.94	6,791.15	178.81	177.12	-67.60	-929.53	-5,445.03	755.90	424.30	331.60	2.077		
13,300.00	7,077.32	12,967.94	6,789.73	181.61	179.93	-67.57	-932.51	-5,544.95	755.74	419.02	336.72	2.017		
13,400.00	7,076.16	13,067.94	6,788.31	184.40	182.74	-67.54	-935.49	-5,644.87	755.58	413.74	341.84	1.957		
13,500.00	7,074.99	13,167.94	6,786.89	187.20	185.56	-67.51	-938.47	-5,744.79	755.42	408.46	346.96	1.897		
13,600.00	7,073.83	13,267.94	6,785.47	190.00	188.38	-67.48	-941.45	-5,844.71	755.26	403.18	352.08	1.837		
13,700.00	7,072.67	13,367.94	6,784.05	192.80	191.19	-67.45	-944.43	-5,944.63	755.10	397.90	357.20	1.777		
13,800.00	7,071.50	13,467.94	6,782.63	195.60	194.01	-67.42	-947.41	-6,044.55	754.94	392.62	362.32	1.717		
13,900.00	7,070.34	13,567.94	6,781.21	198.41	196.83	-67.39	-950.39	-6,144.47	754.78	387.34	367.44	1.657		
14,000.00	7,069.18	13,667.94	6,779.79	201.21	199.66	-67.36	-953.37	-6,244.39	754.62	382.06	372.56	1.597		
14,100.00	7,068.01	13,767.94	6,778.37	204.02	202.48	-67.33	-956.35	-6,344.31	754.46	376.78	377.68	1.537		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	7,066.85	13,906.83	6,776.51	206.82	205.30	-64.47	-870.94	-6,470.97	673.37	296.15	377.21	1.785		
14,300.00	7,065.69	14,006.91	6,775.09	209.63	208.13	-64.29	-870.05	-6,570.87	669.74	287.86	381.88	1.754		
14,400.00	7,064.52	14,107.00	6,773.67	212.44	210.95	-64.12	-869.16	-6,670.77	666.12	279.59	386.53	1.723		
14,500.00	7,063.36	14,207.09	6,772.25	215.25	213.78	-63.94	-868.27	-6,770.67	662.51	271.35	391.16	1.694		
14,600.00	7,062.20	14,307.17	6,770.83	218.06	216.61	-63.76	-867.38	-6,870.57	658.90	263.14	395.76	1.665		
14,700.00	7,061.03	14,407.26	6,769.40	220.87	219.44	-63.58	-866.49	-6,970.47	655.30	254.95	400.35	1.637		
14,800.00	7,059.87	14,507.35	6,767.98	223.68	222.27	-63.40	-865.60	-7,070.37	651.70	246.79	404.91	1.609		
14,900.00	7,058.71	14,607.43	6,766.56	226.49	225.10	-63.21	-864.71	-7,170.27	648.11	238.66	409.45	1.583		
15,000.00	7,057.54	14,707.52	6,765.14	229.30	227.93	-63.03	-863.82	-7,270.17	644.53	230.56	413.97	1.557		
15,100.00	7,056.38	14,807.61	6,763.72	232.12	230.76	-62.84	-862.93	-7,370.07	640.96	222.49	418.47	1.532		
15,200.00	7,055.22	14,907.69	6,762.29	234.93	233.59	-62.65	-862.04	-7,469.97	637.39	214.45	422.94	1.507		
15,300.00	7,054.05	15,007.78	6,760.87	237.75	236.42	-62.45	-861.15	-7,569.87	633.83	206.45	427.38	1.483 Level 3		
15,400.00	7,052.89	15,107.86	6,759.45	240.56	239.26	-62.26	-860.26	-7,669.77	630.28	198.47	431.80	1.460 Level 3		
15,500.00	7,051.73	15,207.95	6,758.03	243.38	242.09	-62.06	-859.37	-7,769.67	626.73	190.53	436.20	1.437 Level 3		
15,600.00	7,050.56	15,291.96	6,756.61	246.20	244.47	-61.86	-858.48	-7,869.57	623.19	183.04	440.16	1.416 Level 3		
15,648.52	7,050.00	15,335.52	6,755.99	247.57	245.70	-61.77	-858.10	-7,913.12	621.50	179.24	442.26	1.405 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-74.69	-7.52	75.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.25	-74.69	-7.52	75.06	68.49	6.57	11.426		
200.00	200.00	200.00	200.00	3.34	3.34	-174.25	-74.69	-7.52	75.06	68.39	6.67	11.247 CC, ES		
300.00	300.00	297.97	297.95	3.44	3.44	-175.05	-76.08	-6.59	76.40	69.51	6.89	11.090		
400.00	399.98	395.76	395.60	3.60	3.59	92.37	-80.27	-3.84	80.54	73.33	7.21	11.175		
500.00	499.84	493.24	492.73	3.80	3.78	92.27	-87.21	0.73	87.54	79.92	7.62	11.494		
600.00	599.45	590.27	589.06	4.04	4.01	92.94	-96.85	7.08	97.38	89.27	8.11	12.014		
682.50	681.36	669.88	667.78	4.26	4.23	93.86	-106.80	13.63	107.65	99.09	8.56	12.575		
700.00	698.71	686.71	684.37	4.32	4.28	94.11	-109.13	15.17	110.08	101.41	8.66	12.709		
800.00	797.82	782.80	778.79	4.62	4.59	94.77	-124.01	24.97	125.44	116.17	9.27	13.532		
900.00	896.93	881.44	875.46	4.95	4.93	94.93	-140.39	35.76	141.85	131.94	9.91	14.311		
1,000.00	996.04	980.09	972.14	5.30	5.30	95.07	-156.77	46.55	158.26	147.66	10.60	14.929		
1,100.00	1,095.15	1,078.73	1,068.81	5.67	5.70	95.18	-173.16	57.34	174.67	163.34	11.32	15.423		
1,200.00	1,194.26	1,177.38	1,165.49	6.05	6.10	95.27	-189.54	68.13	191.08	179.00	12.08	15.820		
1,300.00	1,293.37	1,276.02	1,262.16	6.45	6.52	95.34	-205.92	78.92	207.49	194.63	12.86	16.139		
1,400.00	1,392.48	1,374.66	1,358.83	6.85	6.95	95.41	-222.30	89.71	223.90	210.24	13.65	16.397		
1,500.00	1,491.59	1,473.31	1,455.51	7.26	7.39	95.46	-238.68	100.50	240.31	225.84	14.47	16.608		
1,600.00	1,590.70	1,571.95	1,552.18	7.68	7.84	95.51	-255.07	111.29	256.72	241.42	15.30	16.781		
1,700.00	1,689.81	1,670.60	1,648.86	8.10	8.29	95.55	-271.45	122.08	273.13	256.99	16.14	16.923		
1,800.00	1,788.92	1,769.24	1,745.53	8.53	8.75	95.59	-287.83	132.87	289.54	272.55	16.99	17.041		
1,900.00	1,888.03	1,867.88	1,842.20	8.96	9.22	95.63	-304.21	143.66	305.95	288.10	17.85	17.139		
2,000.00	1,987.14	1,966.53	1,938.88	9.39	9.68	95.66	-320.59	154.45	322.36	303.64	18.72	17.222		
2,100.00	2,086.25	2,065.17	2,035.55	9.83	10.15	95.68	-336.98	165.23	338.77	319.18	19.59	17.291		
2,200.00	2,185.36	2,163.82	2,132.23	10.27	10.62	95.71	-353.36	176.02	355.18	334.71	20.47	17.349		
2,300.00	2,284.47	2,262.46	2,228.90	10.71	11.10	95.73	-369.74	186.81	371.59	350.24	21.36	17.399		
2,400.00	2,383.58	2,361.10	2,325.58	11.15	11.58	95.75	-386.12	197.60	388.00	365.76	22.25	17.441		
2,500.00	2,482.69	2,459.75	2,422.25	11.60	12.06	95.77	-402.50	208.39	404.41	381.28	23.14	17.478		
2,600.00	2,581.80	2,558.39	2,518.92	12.05	12.54	95.79	-418.88	219.18	420.83	396.79	24.04	17.508		
2,700.00	2,680.91	2,657.04	2,615.60	12.50	13.02	95.80	-435.27	229.97	437.24	412.30	24.94	17.535		
2,800.00	2,780.02	2,755.68	2,712.27	12.95	13.50	95.82	-451.65	240.76	453.65	427.81	25.84	17.558		
2,900.00	2,879.13	2,854.32	2,808.95	13.40	13.99	95.83	-468.03	251.55	470.06	443.32	26.74	17.577		
3,000.00	2,978.24	2,952.97	2,905.62	13.85	14.47	95.85	-484.41	262.34	486.47	458.82	27.65	17.594		
3,100.00	3,077.35	3,051.61	3,002.29	14.30	14.96	95.86	-500.79	273.13	502.88	474.32	28.56	17.609		
3,200.00	3,176.46	3,150.26	3,098.97	14.76	15.45	95.87	-517.18	283.92	519.29	489.82	29.47	17.622		
3,300.00	3,275.57	3,248.90	3,195.64	15.21	15.94	95.88	-533.56	294.71	535.71	505.32	30.38	17.632		
3,400.00	3,374.68	3,347.54	3,292.32	15.67	16.42	95.89	-549.94	305.50	552.12	520.82	31.30	17.642		
3,500.00	3,473.79	3,446.19	3,388.99	16.12	16.91	95.90	-566.32	316.29	568.53	536.32	32.21	17.650		
3,600.00	3,572.90	3,544.83	3,485.66	16.58	17.40	95.91	-582.70	327.08	584.94	551.81	33.13	17.657		
3,700.00	3,672.01	3,643.48	3,582.34	17.04	17.90	95.92	-599.09	337.87	601.35	567.31	34.05	17.663		
3,800.00	3,771.12	3,742.12	3,679.01	17.50	18.39	95.93	-615.47	348.66	617.76	582.80	34.97	17.668		
3,900.00	3,870.23	3,840.77	3,775.69	17.95	18.88	95.93	-631.85	359.45	634.17	598.29	35.89	17.672		
4,000.00	3,969.34	3,939.41	3,872.36	18.41	19.37	95.94	-648.23	370.24	650.59	613.78	36.81	17.676		
4,100.00	4,068.45	4,038.05	3,969.03	18.87	19.86	95.95	-664.61	381.03	667.00	629.27	37.73	17.679		
4,200.00	4,167.56	4,136.70	4,065.71	19.33	20.36	95.95	-681.00	391.82	683.41	644.76	38.65	17.682		
4,300.00	4,266.67	4,235.34	4,162.38	19.79	20.85	95.96	-697.38	402.61	699.82	660.25	39.57	17.684		
4,400.00	4,365.78	4,333.99	4,259.06	20.25	21.35	95.97	-713.76	413.39	716.23	675.73	40.50	17.686		
4,500.00	4,464.89	4,432.63	4,355.73	20.71	21.84	95.97	-730.14	424.18	732.64	691.22	41.42	17.687		
4,600.00	4,564.00	4,531.27	4,452.40	21.17	22.33	95.98	-746.52	434.97	749.06	706.71	42.35	17.688		
4,700.00	4,663.11	4,629.92	4,549.08	21.63	22.83	95.98	-762.90	445.76	765.47	722.19	43.27	17.689		
4,800.00	4,762.22	4,728.56	4,645.75	22.09	23.32	95.99	-779.29	456.55	781.88	737.68	44.20	17.689		
4,900.00	4,861.33	4,827.21	4,742.43	22.56	23.82	95.99	-795.67	467.34	798.29	753.16	45.13	17.690		
5,000.00	4,960.44	4,925.85	4,839.10	23.02	24.31	96.00	-812.05	478.13	814.70	768.65	46.05	17.690		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,024.49	4,935.77	23.48	24.81	96.00	-828.43	488.92	831.11	784.13	46.98	17.690		
5,200.00	5,158.66	5,123.14	5,032.45	23.94	25.31	96.01	-844.81	499.71	847.52	799.61	47.91	17.690		
5,300.00	5,257.77	5,221.78	5,129.12	24.40	25.80	96.01	-861.20	510.50	863.94	815.10	48.84	17.689		
5,400.00	5,356.88	5,320.43	5,225.80	24.87	26.30	96.01	-877.58	521.29	880.35	830.58	49.77	17.689		
5,500.00	5,455.99	5,419.07	5,322.47	25.33	26.79	96.02	-893.96	532.08	896.76	846.06	50.70	17.688		
5,600.00	5,555.10	5,517.71	5,419.14	25.79	27.29	96.02	-910.34	542.87	913.17	861.54	51.63	17.687		
5,700.00	5,654.21	5,616.36	5,515.82	26.25	27.79	96.03	-926.72	553.66	929.58	877.02	52.56	17.687		
5,800.00	5,753.32	5,715.00	5,612.49	26.72	28.28	96.03	-943.11	564.45	945.99	892.51	53.49	17.686		
5,900.00	5,852.43	5,813.65	5,709.17	27.18	28.78	96.03	-959.49	575.24	962.41	907.99	54.42	17.685		
6,000.00	5,951.54	5,912.29	5,805.84	27.64	29.28	96.04	-975.87	586.03	978.82	923.47	55.35	17.684		
6,100.00	6,050.65	6,010.94	5,902.52	28.11	29.77	96.04	-992.25	596.82	995.23	938.95	56.28	17.683		
6,200.00	6,149.76	6,109.58	5,999.19	28.57	30.27	96.04	-1,008.63	607.61	1,011.64	954.43	57.21	17.682		
6,300.00	6,248.87	6,208.22	6,095.86	29.03	30.77	96.04	-1,025.02	618.40	1,028.05	969.91	58.14	17.681		
6,400.00	6,347.98	6,306.87	6,192.54	29.50	31.27	96.05	-1,041.40	629.19	1,044.46	985.39	59.08	17.680		
6,475.54	6,422.84	6,381.38	6,265.56	29.85	31.64	96.05	-1,053.77	637.34	1,056.86	997.08	59.78	17.679		
6,500.00	6,447.14	6,405.52	6,289.22	29.96	31.76	95.01	-1,057.78	639.98	1,060.80	1,000.79	60.01	17.678		
6,550.00	6,497.05	6,454.79	6,337.50	30.17	32.01	74.42	-1,065.96	645.37	1,068.36	1,007.91	60.45	17.674		
6,600.00	6,547.02	6,503.71	6,385.45	30.37	32.26	-72.30	-1,074.09	650.72	1,075.26	1,014.40	60.86	17.668		
6,650.00	6,596.75	6,545.37	6,426.32	30.55	32.47	-76.23	-1,081.03	654.80	1,081.64	1,020.45	61.18	17.678		
6,700.00	6,645.93	6,583.58	6,463.94	30.74	32.65	-77.30	-1,087.48	656.37	1,087.85	1,026.38	61.46	17.699		
6,750.00	6,694.25	6,622.17	6,501.95	30.93	32.82	-77.82	-1,094.06	655.62	1,093.90	1,032.16	61.74	17.717		
6,800.00	6,741.43	6,661.21	6,540.28	31.12	32.98	-78.16	-1,100.77	652.50	1,099.80	1,037.77	62.03	17.731		
6,850.00	6,787.16	6,700.74	6,578.81	31.32	33.12	-78.44	-1,107.58	646.90	1,105.51	1,043.19	62.32	17.739		
6,900.00	6,831.16	6,740.84	6,617.46	31.52	33.26	-78.71	-1,114.49	638.76	1,111.03	1,048.40	62.63	17.740		
6,950.00	6,873.17	6,781.58	6,656.11	31.74	33.40	-78.99	-1,121.47	627.98	1,116.35	1,053.38	62.96	17.730		
7,000.00	6,912.92	6,823.03	6,694.64	31.96	33.53	-79.30	-1,128.51	614.46	1,121.45	1,058.12	63.33	17.709		
7,050.00	6,950.18	6,865.26	6,732.92	32.21	33.65	-79.65	-1,135.58	598.09	1,126.33	1,062.61	63.72	17.675		
7,100.00	6,984.70	6,908.38	6,770.79	32.48	33.77	-80.03	-1,142.67	578.75	1,130.98	1,066.82	64.16	17.627		
7,150.00	7,016.29	6,952.48	6,808.08	32.77	33.89	-80.46	-1,149.75	556.33	1,135.38	1,070.74	64.65	17.563		
7,200.00	7,044.73	6,997.65	6,844.60	33.10	34.01	-80.93	-1,156.79	530.69	1,139.53	1,074.35	65.18	17.483		
7,250.00	7,069.86	7,044.03	6,880.10	33.46	34.13	-81.45	-1,163.75	501.70	1,143.41	1,077.64	65.77	17.385		
7,300.00	7,091.53	7,091.71	6,914.33	33.86	34.25	-82.02	-1,170.59	469.23	1,147.00	1,080.58	66.42	17.269		
7,350.00	7,109.59	7,140.85	6,946.98	34.30	34.38	-82.63	-1,177.26	433.13	1,150.29	1,083.16	67.13	17.135		
7,400.00	7,123.94	7,191.56	6,977.68	34.78	34.52	-83.30	-1,183.70	393.30	1,153.26	1,085.35	67.91	16.983		
7,450.00	7,134.49	7,244.00	7,006.02	35.29	34.68	-84.01	-1,189.84	349.63	1,155.89	1,087.13	68.76	16.811		
7,500.00	7,141.18	7,298.30	7,031.52	35.84	34.87	-84.76	-1,195.60	302.06	1,158.14	1,088.46	69.68	16.621		
7,550.00	7,143.95	7,354.61	7,053.64	36.42	35.11	-85.56	-1,200.90	250.56	1,159.99	1,089.30	70.69	16.410		
7,567.79	7,144.00	7,375.16	7,060.58	36.63	35.21	-85.86	-1,202.64	231.30	1,160.54	1,089.47	71.07	16.330		
7,600.00	7,143.62	7,413.37	7,071.83	37.03	35.42	-86.44	-1,205.63	194.91	1,161.43	1,089.64	71.79	16.178		
7,700.00	7,142.46	7,539.68	7,093.38	38.38	36.35	-87.58	-1,212.90	70.87	1,163.08	1,088.67	74.41	15.631		
7,800.00	7,141.29	7,654.19	7,093.88	39.88	37.52	-87.67	-1,216.26	-43.53	1,162.65	1,085.35	77.30	15.040		
7,900.00	7,140.13	7,754.19	7,091.78	41.53	38.78	-87.62	-1,218.75	-143.47	1,161.93	1,081.62	80.31	14.469		
8,000.00	7,138.97	7,854.18	7,089.67	43.30	40.23	-87.57	-1,221.25	-243.41	1,161.21	1,077.62	83.59	13.892		
8,100.00	7,137.80	7,954.17	7,087.56	45.18	41.84	-87.52	-1,223.74	-343.35	1,160.49	1,073.37	87.12	13.321		
8,200.00	7,136.64	8,054.16	7,085.45	47.16	43.58	-87.47	-1,226.24	-443.29	1,159.77	1,068.90	90.87	12.764		
8,300.00	7,135.48	8,154.16	7,083.34	49.22	45.45	-87.43	-1,228.73	-543.22	1,159.05	1,064.24	94.81	12.225		
8,400.00	7,134.32	8,254.15	7,081.24	51.36	47.41	-87.38	-1,231.23	-643.16	1,158.33	1,059.42	98.92	11.710		
8,500.00	7,133.15	8,354.14	7,079.13	53.56	49.47	-87.33	-1,233.72	-743.10	1,157.62	1,054.44	103.18	11.220		
8,600.00	7,131.99	8,454.13	7,077.02	55.82	51.60	-87.28	-1,236.22	-843.04	1,156.90	1,049.33	107.57	10.755		
8,700.00	7,130.83	8,554.13	7,074.91	58.13	53.80	-87.23	-1,238.71	-942.98	1,156.18	1,044.10	112.08	10.316		
8,800.00	7,129.66	8,654.12	7,072.80	60.49	56.06	-87.18	-1,241.21	-1,042.92	1,155.47	1,038.78	116.69	9.902		
8,900.00	7,128.50	8,754.11	7,070.69	62.89	58.37	-87.14	-1,243.70	-1,142.86	1,154.76	1,033.37	121.39	9.513		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,127.34	8,854.10	7,068.59	65.32	60.72	-87.09	-1,246.20	-1,242.80	1,154.04	1,027.87	126.17	9.146		
9,100.00	7,126.17	8,954.10	7,066.48	67.79	63.12	-87.04	-1,248.69	-1,342.74	1,153.33	1,022.30	131.03	8.802		
9,200.00	7,125.01	9,054.09	7,064.37	70.28	65.55	-86.99	-1,251.19	-1,442.68	1,152.62	1,016.68	135.94	8.479		
9,300.00	7,123.85	9,154.08	7,062.26	72.80	68.02	-86.94	-1,253.68	-1,542.62	1,151.91	1,010.99	140.92	8.174		
9,400.00	7,122.68	9,254.08	7,060.15	75.34	70.51	-86.89	-1,256.18	-1,642.56	1,151.20	1,005.26	145.95	7.888		
9,500.00	7,121.52	9,354.07	7,058.04	77.91	73.03	-86.84	-1,258.67	-1,742.50	1,150.49	999.48	151.02	7.618		
9,600.00	7,120.36	9,454.06	7,055.94	80.49	75.57	-86.79	-1,261.17	-1,842.44	1,149.78	993.66	156.13	7.364		
9,700.00	7,119.19	9,554.05	7,053.83	83.09	78.14	-86.74	-1,263.66	-1,942.37	1,149.08	987.80	161.28	7.125		
9,800.00	7,118.03	9,654.05	7,051.72	85.70	80.72	-86.69	-1,266.16	-2,042.31	1,148.37	981.91	166.46	6.899		
9,900.00	7,116.87	9,754.04	7,049.61	88.33	83.32	-86.64	-1,268.65	-2,142.25	1,147.67	975.99	171.68	6.685		
10,000.00	7,115.70	9,854.03	7,047.50	90.98	85.93	-86.60	-1,271.15	-2,242.19	1,146.96	970.04	176.92	6.483		
10,100.00	7,114.54	9,954.02	7,045.40	93.63	88.56	-86.55	-1,273.64	-2,342.13	1,146.26	964.07	182.19	6.292		
10,200.00	7,113.38	10,054.02	7,043.29	96.29	91.21	-86.50	-1,276.14	-2,442.07	1,145.56	958.08	187.48	6.110		
10,300.00	7,112.21	10,154.01	7,041.18	98.97	93.86	-86.45	-1,278.63	-2,542.01	1,144.85	952.06	192.79	5.938		
10,400.00	7,111.05	10,254.00	7,039.07	101.65	96.53	-86.40	-1,281.13	-2,641.95	1,144.15	946.03	198.12	5.775		
10,500.00	7,109.89	10,353.99	7,036.96	104.34	99.20	-86.35	-1,283.62	-2,741.89	1,143.45	939.98	203.47	5.620		
10,600.00	7,108.72	10,453.99	7,034.85	107.04	101.89	-86.30	-1,286.12	-2,841.83	1,142.75	933.92	208.84	5.472		
10,700.00	7,107.56	10,553.98	7,032.75	109.75	104.58	-86.25	-1,288.61	-2,941.77	1,142.06	927.84	214.22	5.331		
10,800.00	7,106.40	10,653.97	7,030.64	112.47	107.28	-86.20	-1,291.11	-3,041.71	1,141.36	921.74	219.61	5.197		
10,900.00	7,105.24	10,753.96	7,028.53	115.19	109.99	-86.15	-1,293.60	-3,141.65	1,140.66	915.64	225.02	5.069		
11,000.00	7,104.07	10,853.96	7,026.42	117.91	112.71	-86.10	-1,296.10	-3,241.58	1,139.97	909.53	230.44	4.947		
11,100.00	7,102.91	10,953.95	7,024.31	120.64	115.43	-86.05	-1,298.59	-3,341.52	1,139.27	903.40	235.87	4.830		
11,200.00	7,101.75	11,053.94	7,022.20	123.38	118.16	-86.00	-1,301.09	-3,441.46	1,138.58	897.27	241.31	4.718		
11,300.00	7,100.58	11,153.94	7,020.10	126.12	120.89	-85.95	-1,303.58	-3,541.40	1,137.89	891.12	246.76	4.611		
11,400.00	7,099.42	11,253.93	7,017.99	128.87	123.63	-85.90	-1,306.08	-3,641.34	1,137.19	884.97	252.22	4.509		
11,500.00	7,098.26	11,353.92	7,015.88	131.62	126.37	-85.85	-1,308.57	-3,741.28	1,136.50	878.82	257.69	4.410		
11,600.00	7,097.09	11,453.91	7,013.77	134.37	129.12	-85.80	-1,311.07	-3,841.22	1,135.81	872.65	263.16	4.316		
11,700.00	7,095.93	11,553.91	7,011.66	137.13	131.87	-85.75	-1,313.56	-3,941.16	1,135.12	866.48	268.64	4.225		
11,800.00	7,094.77	11,653.90	7,009.56	139.89	134.62	-85.70	-1,316.06	-4,041.10	1,134.43	860.30	274.13	4.138		
11,900.00	7,093.60	11,753.89	7,007.45	142.65	137.38	-85.65	-1,318.55	-4,141.04	1,133.75	854.12	279.62	4.055		
12,000.00	7,092.44	11,853.88	7,005.34	145.42	140.14	-85.60	-1,321.05	-4,240.98	1,133.06	847.94	285.12	3.974		
12,100.00	7,091.28	11,953.88	7,003.23	148.19	142.91	-85.54	-1,323.54	-4,340.92	1,132.37	841.75	290.63	3.896		
12,200.00	7,090.11	12,053.87	7,001.12	150.96	145.68	-85.49	-1,326.04	-4,440.86	1,131.69	835.55	296.14	3.822		
12,300.00	7,088.95	12,153.86	6,999.01	153.74	148.45	-85.44	-1,328.53	-4,540.80	1,131.00	829.35	301.65	3.749		
12,400.00	7,087.79	12,253.85	6,996.91	156.52	151.22	-85.39	-1,331.03	-4,640.73	1,130.32	823.15	307.17	3.680		
12,500.00	7,086.62	12,353.85	6,994.80	159.30	154.00	-85.34	-1,333.52	-4,740.67	1,129.64	816.95	312.69	3.613		
12,600.00	7,085.46	12,453.84	6,992.69	162.08	156.78	-85.29	-1,336.02	-4,840.61	1,128.96	810.74	318.22	3.548		
12,700.00	7,084.30	12,553.83	6,990.58	164.86	159.56	-85.24	-1,338.51	-4,940.55	1,128.27	804.53	323.74	3.485		
12,800.00	7,083.13	12,653.82	6,988.47	167.65	162.35	-85.19	-1,341.01	-5,040.49	1,127.59	798.32	329.28	3.424		
12,900.00	7,081.97	12,753.82	6,986.36	170.44	165.13	-85.14	-1,343.50	-5,140.43	1,126.92	792.10	334.81	3.366		
13,000.00	7,080.81	12,853.81	6,984.26	173.23	167.92	-85.09	-1,346.00	-5,240.37	1,126.24	785.89	340.35	3.309		
13,100.00	7,079.64	12,953.80	6,982.15	176.02	170.71	-85.03	-1,348.49	-5,340.31	1,125.56	779.67	345.89	3.254		
13,200.00	7,078.48	13,053.80	6,980.04	178.81	173.50	-84.98	-1,350.99	-5,440.25	1,124.88	773.45	351.43	3.201		
13,300.00	7,077.32	13,153.79	6,977.93	181.61	176.30	-84.93	-1,353.48	-5,540.19	1,124.21	767.23	356.98	3.149		
13,400.00	7,076.16	13,253.78	6,975.82	184.40	179.09	-84.88	-1,355.98	-5,640.13	1,123.53	761.01	362.53	3.099		
13,500.00	7,074.99	13,353.77	6,973.71	187.20	181.89	-84.83	-1,358.47	-5,740.07	1,122.86	754.79	368.08	3.051		
13,600.00	7,073.83	13,453.77	6,971.61	190.00	184.69	-84.78	-1,360.97	-5,840.01	1,122.19	748.56	373.63	3.003		
13,700.00	7,072.67	13,553.76	6,969.50	192.80	187.49	-84.73	-1,363.46	-5,939.95	1,121.52	742.34	379.18	2.958		
13,800.00	7,071.50	13,653.75	6,967.39	195.60	190.29	-84.67	-1,365.96	-6,039.88	1,120.85	736.11	384.73	2.913		
13,900.00	7,070.34	13,753.74	6,965.28	198.41	193.09	-84.62	-1,368.45	-6,139.82	1,120.18	729.89	390.29	2.870		
14,000.00	7,069.18	13,853.74	6,963.17	201.21	195.89	-84.57	-1,370.95	-6,239.76	1,119.51	723.66	395.85	2.828		
14,100.00	7,068.01	13,953.73	6,961.07	204.02	198.70	-84.52	-1,373.44	-6,339.70	1,118.84	717.44	401.40	2.787		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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
14,200.00	7,066.85	14,053.72	6,958.96	206.82	201.50	-84.47	-1,375.93	-6,439.64	1,118.17	711.21	406.96	2.748	
14,300.00	7,065.69	14,153.71	6,956.85	209.63	204.31	-84.41	-1,378.43	-6,539.58	1,117.51	704.99	412.52	2.709	
14,400.00	7,064.52	14,253.71	6,954.74	212.44	207.12	-84.36	-1,380.92	-6,639.52	1,116.84	698.76	418.08	2.671	
14,500.00	7,063.36	14,353.70	6,952.63	215.25	209.93	-84.31	-1,383.42	-6,739.46	1,116.18	692.53	423.64	2.635	
14,600.00	7,062.20	14,453.69	6,950.52	218.06	212.74	-84.26	-1,385.91	-6,839.40	1,115.51	686.31	429.20	2.599	
14,700.00	7,061.03	14,553.68	6,948.42	220.87	215.55	-84.21	-1,388.41	-6,939.34	1,114.85	680.09	434.77	2.564	
14,800.00	7,059.87	14,653.68	6,946.31	223.68	218.36	-84.15	-1,390.90	-7,039.28	1,114.19	673.86	440.33	2.530	
14,900.00	7,058.71	14,753.67	6,944.20	226.49	221.17	-84.10	-1,393.40	-7,139.22	1,113.53	667.64	445.89	2.497	
15,000.00	7,057.54	14,853.66	6,942.09	229.30	223.99	-84.05	-1,395.89	-7,239.16	1,112.87	661.42	451.45	2.465	
15,100.00	7,056.38	14,953.66	6,939.98	232.12	226.80	-84.00	-1,398.39	-7,339.09	1,112.21	655.19	457.02	2.434	
15,200.00	7,055.22	15,053.65	6,937.87	234.93	229.62	-83.94	-1,400.88	-7,439.03	1,111.55	648.97	462.58	2.403	
15,300.00	7,054.05	15,153.64	6,935.77	237.75	232.43	-83.89	-1,403.38	-7,538.97	1,110.90	642.75	468.14	2.373	
15,400.00	7,052.89	15,253.63	6,933.66	240.56	235.25	-83.84	-1,405.87	-7,638.91	1,110.24	636.53	473.71	2.344	
15,500.00	7,051.73	15,353.63	6,931.55	243.38	238.07	-83.79	-1,408.37	-7,738.85	1,109.58	630.32	479.27	2.315	
15,600.00	7,050.56	15,453.62	6,929.44	246.20	240.89	-83.73	-1,410.86	-7,838.79	1,108.93	624.10	484.83	2.287	
15,648.52	7,050.00	15,502.14	6,928.42	247.57	242.25	-83.71	-1,412.08	-7,887.28	1,108.61	621.08	487.53	2.274 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-100.18	-793.05	-4,417.67	4,488.29					
100.00	100.00	110.00	110.00	3.28	3.89	-100.18	-793.05	-4,417.67	4,488.29	4,481.11	7.18	625.419		
200.00	200.00	210.00	210.00	3.34	6.48	-100.18	-793.05	-4,417.67	4,488.29	4,478.47	9.81	457.312		
300.00	300.00	310.00	310.00	3.44	9.65	-100.18	-793.05	-4,417.67	4,488.29	4,475.19	13.10	342.722		
400.00	399.98	409.98	409.98	3.60	12.99	168.32	-793.05	-4,417.67	4,489.99	4,473.41	16.59	270.682		
500.00	499.84	509.84	509.84	3.80	16.38	168.31	-793.05	-4,417.67	4,495.12	4,474.94	20.18	222.716		
600.00	599.45	609.45	609.45	4.04	19.80	168.30	-793.05	-4,417.67	4,503.65	4,479.81	23.84	188.893		
682.50	681.36	708.64	691.36	4.26	23.23	168.29	-793.05	-4,417.67	4,513.26	4,485.77	27.49	164.182		
700.00	698.71	708.71	708.71	4.32	23.23	168.29	-793.05	-4,417.67	4,515.54	4,488.00	27.54	163.939		
800.00	797.82	807.82	807.82	4.62	26.66	168.33	-793.05	-4,417.67	4,528.58	4,497.31	31.27	144.825		
900.00	896.93	906.93	906.93	4.95	30.09	168.36	-793.05	-4,417.67	4,541.62	4,506.60	35.03	129.666		
1,000.00	996.04	1,006.04	1,006.04	5.30	33.54	168.39	-793.05	-4,417.67	4,554.67	4,515.86	38.81	117.371		
1,100.00	1,095.15	1,105.15	1,105.15	5.67	36.98	168.43	-793.05	-4,417.67	4,567.71	4,525.11	42.61	107.210		
1,200.00	1,194.26	1,204.26	1,204.26	6.05	40.43	168.46	-793.05	-4,417.67	4,580.76	4,534.34	46.42	98.679		
1,300.00	1,293.37	1,303.37	1,303.37	6.45	43.88	168.50	-793.05	-4,417.67	4,593.81	4,543.56	50.25	91.421		
1,400.00	1,392.48	1,402.48	1,402.48	6.85	47.33	168.53	-793.05	-4,417.67	4,606.86	4,552.77	54.09	85.174		
1,500.00	1,491.59	1,501.59	1,501.59	7.26	50.78	168.56	-793.05	-4,417.67	4,619.91	4,561.97	57.94	79.743		
1,600.00	1,590.70	1,600.70	1,600.70	7.68	54.23	168.59	-793.05	-4,417.67	4,632.96	4,571.17	61.79	74.979		
1,700.00	1,689.81	1,700.19	1,699.81	8.10	57.70	168.63	-793.05	-4,417.67	4,646.02	4,580.35	65.66	70.754		
1,800.00	1,788.92	1,801.08	1,798.92	8.53	61.22	168.66	-793.05	-4,417.67	4,659.07	4,589.48	69.59	66.948		
1,900.00	1,888.03	1,901.97	1,898.03	8.96	64.74	168.69	-793.05	-4,417.67	4,672.13	4,598.60	73.53	63.544		
2,000.00	1,987.14	2,002.86	1,997.14	9.39	68.25	168.72	-793.05	-4,417.67	4,685.19	4,607.73	77.46	60.483		
2,100.00	2,086.25	2,103.75	2,096.25	9.83	71.77	168.75	-793.05	-4,417.67	4,698.25	4,616.85	81.40	57.716		
2,200.00	2,185.36	2,204.64	2,195.36	10.27	75.29	168.79	-793.05	-4,417.67	4,711.31	4,625.96	85.35	55.203		
2,300.00	2,284.47	2,305.53	2,294.47	10.71	78.81	168.82	-793.05	-4,417.67	4,724.37	4,635.08	89.29	52.910		
2,400.00	2,383.58	2,406.42	2,393.58	11.15	82.33	168.85	-793.05	-4,417.67	4,737.44	4,644.20	93.24	50.809		
2,500.00	2,482.69	2,507.31	2,492.69	11.60	85.85	168.88	-793.05	-4,417.67	4,750.50	4,653.31	97.19	48.879		
2,600.00	2,581.80	2,608.20	2,591.80	12.05	89.37	168.91	-793.05	-4,417.67	4,763.57	4,662.43	101.14	47.098		
2,700.00	2,680.91	2,709.09	2,690.91	12.50	92.89	168.94	-793.05	-4,417.67	4,776.64	4,671.54	105.09	45.451		
2,800.00	2,780.02	2,809.98	2,790.02	12.95	96.41	168.97	-793.05	-4,417.67	4,789.71	4,680.66	109.05	43.922		
2,900.00	2,879.13	2,889.13	2,889.13	13.40	99.17	169.00	-793.05	-4,417.67	4,802.78	4,690.53	112.25	42.788		
3,000.00	2,978.24	2,988.24	2,988.24	13.85	102.63	169.03	-793.05	-4,417.67	4,815.85	4,699.71	116.14	41.465		
3,100.00	3,077.35	3,087.35	3,087.35	14.30	106.08	169.06	-793.05	-4,417.67	4,828.93	4,708.89	120.04	40.228		
3,200.00	3,176.46	3,186.46	3,186.46	14.76	109.54	169.09	-793.05	-4,417.67	4,842.00	4,718.07	123.94	39.069		
3,300.00	3,275.57	3,285.57	3,285.57	15.21	113.00	169.12	-793.05	-4,417.67	4,855.08	4,727.24	127.83	37.980		
3,400.00	3,374.68	3,384.68	3,384.68	15.67	116.46	169.15	-793.05	-4,417.67	4,868.16	4,736.42	131.73	36.955		
3,500.00	3,473.79	3,483.79	3,483.79	16.12	119.92	169.18	-793.05	-4,417.67	4,881.23	4,745.60	135.63	35.989		
3,600.00	3,572.90	3,582.90	3,582.90	16.58	123.38	169.21	-793.05	-4,417.67	4,894.31	4,754.78	139.53	35.077		
3,700.00	3,672.01	3,682.01	3,682.01	17.04	126.84	169.24	-793.05	-4,417.67	4,907.40	4,763.96	143.43	34.214		
3,800.00	3,771.12	3,781.12	3,781.12	17.50	130.29	169.27	-793.05	-4,417.67	4,920.48	4,773.15	147.33	33.397		
3,900.00	3,870.23	3,880.23	3,880.23	17.95	133.75	169.30	-793.05	-4,417.67	4,933.56	4,782.33	151.24	32.622		
4,000.00	3,969.34	3,979.34	3,979.34	18.41	137.21	169.33	-793.05	-4,417.67	4,946.65	4,791.51	155.14	31.885		
4,100.00	4,068.45	4,078.45	4,078.45	18.87	140.67	169.35	-793.05	-4,417.67	4,959.73	4,800.69	159.04	31.185		
4,200.00	4,167.56	4,177.56	4,177.56	19.33	144.13	169.38	-793.05	-4,417.67	4,972.82	4,809.88	162.94	30.519		
4,300.00	4,266.67	4,276.67	4,276.67	19.79	147.59	169.41	-793.05	-4,417.67	4,985.91	4,819.06	166.85	29.883		
4,400.00	4,365.78	4,375.78	4,375.78	20.25	151.05	169.44	-793.05	-4,417.67	4,999.00	4,828.25	170.75	29.276		
4,500.00	4,464.89	4,474.89	4,474.89	20.71	154.51	169.47	-793.05	-4,417.67	5,012.09	4,837.44	174.66	28.697		
4,600.00	4,564.00	4,574.00	4,574.00	21.17	157.97	169.49	-793.05	-4,417.67	5,025.18	4,846.62	178.56	28.143		
4,700.00	4,663.11	4,673.11	4,673.11	21.63	161.43	169.52	-793.05	-4,417.67	5,038.28	4,855.81	182.47	27.612		
4,800.00	4,762.22	4,772.22	4,772.22	22.09	164.89	169.55	-793.05	-4,417.67	5,051.37	4,865.00	186.37	27.104		
4,900.00	4,861.33	4,871.33	4,871.33	22.56	168.34	169.58	-793.05	-4,417.67	5,064.47	4,874.19	190.28	26.616		
5,000.00	4,960.44	4,970.44	4,970.44	23.02	171.80	169.60	-793.05	-4,417.67	5,077.56	4,883.38	194.18	26.148		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,069.55	5,069.55	23.48	175.26	169.63	-793.05	-4,417.67	5,090.66	4,892.57	198.09	25.699		
5,200.00	5,158.66	5,168.66	5,168.66	23.94	178.72	169.66	-793.05	-4,417.67	5,103.76	4,901.77	201.99	25.267		
5,300.00	5,257.77	5,267.77	5,267.77	24.40	182.18	169.68	-793.05	-4,417.67	5,116.86	4,910.96	205.90	24.851		
5,400.00	5,356.88	5,366.88	5,366.88	24.87	185.64	169.71	-793.05	-4,417.67	5,129.96	4,920.16	209.81	24.451		
5,500.00	5,455.99	5,465.99	5,465.99	25.33	189.10	169.74	-793.05	-4,417.67	5,143.06	4,929.35	213.71	24.065		
5,600.00	5,555.10	5,565.10	5,565.10	25.79	192.56	169.76	-793.05	-4,417.67	5,156.17	4,938.55	217.62	23.693		
5,700.00	5,654.21	5,664.21	5,664.21	26.25	196.02	169.79	-793.05	-4,417.67	5,169.27	4,947.74	221.53	23.335		
5,800.00	5,753.32	5,763.32	5,763.32	26.72	199.48	169.82	-793.05	-4,417.67	5,182.38	4,956.94	225.43	22.988		
5,900.00	5,852.43	5,862.43	5,862.43	27.18	202.94	169.84	-793.05	-4,417.67	5,195.48	4,966.14	229.34	22.654		
6,000.00	5,951.54	5,961.54	5,961.54	27.64	206.40	169.87	-793.05	-4,417.67	5,208.59	4,975.34	233.25	22.331		
6,100.00	6,050.65	6,060.65	6,060.65	28.11	209.86	169.89	-793.05	-4,417.67	5,221.70	4,984.54	237.16	22.018		
6,200.00	6,149.76	6,159.76	6,159.76	28.57	213.32	169.92	-793.05	-4,417.67	5,234.81	4,993.75	241.07	21.715		
6,300.00	6,248.87	6,258.87	6,258.87	29.03	216.78	169.94	-793.05	-4,417.67	5,247.92	5,002.95	244.97	21.422		
6,400.00	6,347.98	6,357.98	6,357.98	29.50	220.24	169.97	-793.05	-4,417.67	5,261.03	5,012.15	248.88	21.139		
6,475.54	6,422.84	6,432.84	6,432.84	29.85	222.85	169.99	-793.05	-4,417.67	5,270.94	5,019.10	251.83	20.930		
6,500.00	6,447.14	6,457.14	6,457.14	29.96	223.70	168.66	-793.05	-4,417.67	5,273.68	5,020.89	252.79	20.862		
6,550.00	6,497.05	6,507.05	6,507.05	30.17	225.44	147.62	-793.05	-4,417.67	5,276.40	5,021.65	254.75	20.712		
6,600.00	6,547.02	6,557.02	6,557.02	30.37	227.18	0.69	-793.05	-4,417.67	5,275.21	5,018.52	256.69	20.551		
6,650.00	6,596.75	6,606.75	6,606.75	30.55	228.92	-3.38	-793.05	-4,417.67	5,270.13	5,011.54	258.60	20.380		
6,700.00	6,645.93	6,655.93	6,655.93	30.74	230.64	-4.63	-793.05	-4,417.67	5,261.20	5,000.72	260.48	20.198		
6,750.00	6,694.25	6,704.25	6,704.25	30.93	232.32	-5.32	-793.05	-4,417.67	5,248.46	4,986.14	262.32	20.008		
6,800.00	6,741.43	6,751.43	6,751.43	31.12	233.97	-5.83	-793.05	-4,417.67	5,231.99	4,967.88	264.11	19.810		
6,850.00	6,787.16	6,802.84	6,797.16	31.32	235.77	-6.31	-793.05	-4,417.67	5,211.90	4,945.87	266.03	19.592		
6,900.00	6,831.16	6,841.16	6,841.16	31.52	237.10	-6.79	-793.05	-4,417.67	5,188.30	4,920.83	267.47	19.397		
6,950.00	6,873.17	6,883.17	6,883.17	31.74	238.57	-7.33	-793.05	-4,417.67	5,161.36	4,892.32	269.04	19.184		
7,000.00	6,912.92	6,922.92	6,922.92	31.96	239.96	-7.94	-793.05	-4,417.67	5,131.22	4,860.71	270.51	18.969		
7,050.00	6,950.18	6,960.18	6,960.18	32.21	241.26	-8.68	-793.05	-4,417.67	5,098.09	4,826.21	271.88	18.751		
7,100.00	6,984.70	7,005.30	6,994.70	32.48	242.83	-9.58	-793.05	-4,417.67	5,062.16	4,788.64	273.52	18.508		
7,150.00	7,016.29	7,026.29	7,026.29	32.77	243.56	-10.71	-793.05	-4,417.67	5,023.66	4,749.36	274.30	18.315		
7,200.00	7,044.73	7,054.73	7,054.73	33.10	244.56	-12.15	-793.05	-4,417.67	4,982.82	4,707.49	275.33	18.098		
7,250.00	7,069.86	7,079.86	7,079.86	33.46	245.43	-14.07	-793.05	-4,417.67	4,939.90	4,663.67	276.23	17.883		
7,300.00	7,091.53	7,101.53	7,101.53	33.86	246.19	-16.69	-793.05	-4,417.67	4,895.16	4,618.15	277.01	17.671		
7,350.00	7,109.59	7,119.59	7,119.59	34.30	246.82	-20.47	-793.05	-4,417.67	4,848.89	4,571.23	277.66	17.463		
7,400.00	7,123.94	7,133.94	7,133.94	34.78	247.32	-26.27	-793.05	-4,417.67	4,801.36	4,523.18	278.17	17.260		
7,450.00	7,134.49	7,144.49	7,144.49	35.29	247.69	-35.92	-793.05	-4,417.67	4,752.87	4,474.32	278.55	17.063		
7,500.00	7,141.18	7,151.18	7,151.18	35.84	247.92	-53.27	-793.05	-4,417.67	4,703.72	4,424.92	278.80	16.872		
7,550.00	7,143.95	7,153.95	7,153.95	36.42	248.02	-82.79	-793.05	-4,417.67	4,654.21	4,375.30	278.91	16.687		
7,567.79	7,144.00	7,154.00	7,154.00	36.63	248.02	-95.13	-793.05	-4,417.67	4,636.57	4,357.65	278.91	16.624		
7,600.00	7,143.62	7,153.62	7,153.62	37.03	248.01	-95.09	-793.05	-4,417.67	4,604.63	4,325.72	278.91	16.509		
7,700.00	7,142.46	7,152.46	7,152.46	38.38	247.97	-94.98	-793.05	-4,417.67	4,505.50	4,226.58	278.91	16.154		
7,800.00	7,141.29	7,151.29	7,151.29	39.88	247.93	-94.87	-793.05	-4,417.67	4,406.40	4,127.48	278.92	15.798		
7,900.00	7,140.13	7,150.13	7,150.13	41.53	247.89	-94.76	-793.05	-4,417.67	4,307.35	4,028.41	278.94	15.442		
8,000.00	7,138.97	7,148.97	7,148.97	43.30	247.85	-94.65	-793.05	-4,417.67	4,208.34	3,929.37	278.97	15.085		
8,100.00	7,137.80	7,147.80	7,147.80	45.18	247.81	-94.54	-793.05	-4,417.67	4,109.38	3,830.37	279.01	14.728		
8,200.00	7,136.64	7,146.64	7,146.64	47.16	247.77	-94.42	-793.05	-4,417.67	4,010.47	3,731.41	279.06	14.371		
8,300.00	7,135.48	7,145.48	7,145.48	49.22	247.73	-94.31	-793.05	-4,417.67	3,911.62	3,632.49	279.13	14.013		
8,400.00	7,134.32	7,144.32	7,144.32	51.36	247.68	-94.20	-793.05	-4,417.67	3,812.82	3,533.60	279.22	13.655		
8,500.00	7,133.15	7,143.15	7,143.15	53.56	247.64	-94.09	-793.05	-4,417.67	3,714.09	3,434.77	279.32	13.297		
8,600.00	7,131.99	7,141.99	7,141.99	55.82	247.60	-93.98	-793.05	-4,417.67	3,615.43	3,335.98	279.45	12.938		
8,700.00	7,130.83	7,140.83	7,140.83	58.13	247.56	-93.87	-793.05	-4,417.67	3,516.85	3,237.25	279.60	12.578		
8,800.00	7,129.66	7,139.66	7,139.66	60.49	247.52	-93.76	-793.05	-4,417.67	3,418.34	3,138.57	279.77	12.218		
8,900.00	7,128.50	7,138.50	7,138.50	62.89	247.48	-93.65	-793.05	-4,417.67	3,319.93	3,039.95	279.98	11.858		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,137.34	7,137.34	65.32	247.44	-93.53	-793.05	-4,417.67	3,221.61	2,941.40	280.21	11.497		
9,100.00	7,126.17	7,136.17	7,136.17	67.79	247.40	-93.42	-793.05	-4,417.67	3,123.40	2,842.91	280.49	11.136		
9,200.00	7,125.01	7,135.01	7,135.01	70.28	247.36	-93.31	-793.05	-4,417.67	3,025.31	2,744.50	280.80	10.774		
9,300.00	7,123.85	7,133.85	7,133.85	72.80	247.32	-93.20	-793.05	-4,417.67	2,927.34	2,646.18	281.16	10.411		
9,400.00	7,122.68	7,132.68	7,132.68	75.34	247.28	-93.09	-793.05	-4,417.67	2,829.52	2,547.94	281.58	10.049		
9,500.00	7,121.52	7,131.52	7,131.52	77.91	247.24	-92.98	-793.05	-4,417.67	2,731.85	2,449.79	282.06	9.685		
9,600.00	7,120.36	7,130.36	7,130.36	80.49	247.20	-92.87	-793.05	-4,417.67	2,634.36	2,351.75	282.60	9.322		
9,700.00	7,119.19	7,129.19	7,129.19	83.09	247.16	-92.75	-793.05	-4,417.67	2,537.06	2,253.83	283.23	8.958		
9,800.00	7,118.03	7,128.03	7,128.03	85.70	247.12	-92.64	-793.05	-4,417.67	2,439.98	2,156.04	283.94	8.593		
9,900.00	7,116.87	7,126.87	7,126.87	88.33	247.08	-92.53	-793.05	-4,417.67	2,343.14	2,058.39	284.76	8.229		
10,000.00	7,115.70	7,125.70	7,125.70	90.98	247.04	-92.42	-793.05	-4,417.67	2,246.59	1,960.89	285.69	7.864		
10,100.00	7,114.54	7,124.54	7,124.54	93.63	246.99	-92.31	-793.05	-4,417.67	2,150.34	1,863.58	286.76	7.499		
10,200.00	7,113.38	7,123.38	7,123.38	96.29	246.95	-92.20	-793.05	-4,417.67	2,054.46	1,766.47	287.99	7.134		
10,300.00	7,112.21	7,122.21	7,122.21	98.97	246.91	-92.09	-793.05	-4,417.67	1,958.98	1,669.59	289.39	6.769		
10,400.00	7,111.05	7,121.05	7,121.05	101.65	246.87	-91.97	-793.05	-4,417.67	1,863.98	1,572.98	291.00	6.405		
10,500.00	7,109.89	7,119.89	7,119.89	104.34	246.83	-91.86	-793.05	-4,417.67	1,769.53	1,476.68	292.85	6.042		
10,600.00	7,108.72	7,118.72	7,118.72	107.04	246.79	-91.75	-793.05	-4,417.67	1,675.72	1,380.74	294.98	5.681		
10,700.00	7,107.56	7,117.56	7,117.56	109.75	246.75	-91.64	-793.05	-4,417.67	1,582.67	1,285.24	297.44	5.321		
10,800.00	7,106.40	7,116.40	7,116.40	112.47	246.71	-91.53	-793.05	-4,417.67	1,490.52	1,190.25	300.27	4.964		
10,900.00	7,105.24	7,115.24	7,115.24	115.19	246.67	-91.41	-793.05	-4,417.67	1,399.45	1,095.90	303.54	4.610		
11,000.00	7,104.07	7,114.07	7,114.07	117.91	246.63	-91.30	-793.05	-4,417.67	1,309.68	1,002.34	307.33	4.261		
11,100.00	7,102.91	7,112.91	7,112.91	120.64	246.59	-91.19	-793.05	-4,417.67	1,221.49	909.76	311.73	3.918		
11,200.00	7,101.75	7,111.75	7,111.75	123.38	246.55	-91.08	-793.05	-4,417.67	1,135.27	818.44	316.83	3.583		
11,300.00	7,100.58	7,110.58	7,110.58	126.12	246.51	-90.97	-793.05	-4,417.67	1,051.49	728.74	322.75	3.258		
11,400.00	7,099.42	7,109.42	7,109.42	128.87	246.47	-90.86	-793.05	-4,417.67	970.78	641.19	329.59	2.945		
11,500.00	7,098.26	7,108.26	7,108.26	131.62	246.43	-90.74	-793.05	-4,417.67	893.98	556.53	337.45	2.649		
11,600.00	7,097.09	7,107.09	7,107.09	134.37	246.39	-90.63	-793.05	-4,417.67	822.18	475.82	346.36	2.374		
11,700.00	7,095.93	7,105.93	7,105.93	137.13	246.34	-90.52	-793.05	-4,417.67	756.81	400.58	356.23	2.124		
11,800.00	7,094.77	7,104.77	7,104.77	139.89	246.30	-90.41	-793.05	-4,417.67	699.67	332.92	366.75	1.908		
11,900.00	7,093.60	7,103.60	7,103.60	142.65	246.26	-90.30	-793.05	-4,417.67	652.92	275.69	377.24	1.731		
12,000.00	7,092.44	7,102.44	7,102.44	145.42	246.22	-90.19	-793.05	-4,417.67	618.93	232.33	386.61	1.601		
12,100.00	7,091.28	7,101.28	7,101.28	148.19	246.18	-90.07	-793.05	-4,417.67	599.87	206.35	393.53	1.524		
12,166.18	7,090.51	7,100.51	7,100.51	150.02	246.16	-90.00	-793.05	-4,417.67	596.21	200.03	396.18	1.505 CC, ES		
12,200.00	7,090.11	7,100.11	7,100.11	150.96	246.14	-89.96	-793.05	-4,417.67	597.17	200.31	396.86	1.505 SF		
12,300.00	7,088.95	7,101.05	7,098.95	153.74	246.17	-89.85	-793.05	-4,417.67	611.04	214.73	396.31	1.542		
12,400.00	7,087.79	7,102.21	7,097.79	156.52	246.22	-89.74	-793.05	-4,417.67	640.42	248.07	392.35	1.632		
12,500.00	7,086.62	7,103.38	7,096.62	159.30	246.26	-89.63	-793.05	-4,417.67	683.29	297.22	386.07	1.770		
12,600.00	7,085.46	7,104.54	7,095.46	162.08	246.30	-89.52	-793.05	-4,417.67	737.32	358.67	378.65	1.947		
12,700.00	7,084.30	7,105.70	7,094.30	164.86	246.34	-89.40	-793.05	-4,417.67	800.25	429.29	370.96	2.157		
12,800.00	7,083.13	7,106.87	7,093.13	167.65	246.38	-89.29	-793.05	-4,417.67	870.14	506.58	363.56	2.393		
12,900.00	7,081.97	7,108.03	7,091.97	170.44	246.42	-89.18	-793.05	-4,417.67	945.46	588.74	356.72	2.650		
13,000.00	7,080.81	7,109.19	7,090.81	173.23	246.46	-89.07	-793.05	-4,417.67	1,025.01	674.46	350.54	2.924		
13,100.00	7,079.64	7,089.64	7,089.64	176.02	245.78	-88.96	-793.05	-4,417.67	1,107.87	763.56	344.31	3.218		
13,200.00	7,078.48	7,088.48	7,088.48	178.81	245.74	-88.84	-793.05	-4,417.67	1,193.36	854.01	339.35	3.517		
13,300.00	7,077.32	7,087.32	7,087.32	181.61	245.70	-88.73	-793.05	-4,417.67	1,280.96	946.00	334.96	3.824		
13,400.00	7,076.16	7,086.16	7,086.16	184.40	245.65	-88.62	-793.05	-4,417.67	1,370.25	1,039.19	331.06	4.139		
13,500.00	7,074.99	7,084.99	7,084.99	187.20	245.61	-88.51	-793.05	-4,417.67	1,460.93	1,133.33	327.60	4.459		
13,600.00	7,073.83	7,083.83	7,083.83	190.00	245.57	-88.40	-793.05	-4,417.67	1,552.75	1,228.23	324.52	4.785		
13,700.00	7,072.67	7,082.67	7,082.67	192.80	245.53	-88.29	-793.05	-4,417.67	1,645.53	1,323.76	321.77	5.114		
13,800.00	7,071.50	7,081.50	7,081.50	195.60	245.49	-88.17	-793.05	-4,417.67	1,739.11	1,419.79	319.31	5.446		
13,900.00	7,070.34	7,080.34	7,080.34	198.41	245.45	-88.06	-793.05	-4,417.67	1,833.36	1,516.26	317.10	5.782		
14,000.00	7,069.18	7,079.18	7,079.18	201.21	245.41	-87.95	-793.05	-4,417.67	1,928.19	1,613.09	315.10	6.119		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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
14,100.00	7,068.01	7,078.01	7,078.01	204.02	245.37	-87.84	-793.05	-4,417.67	2,023.52	1,710.22	313.30	6.459	
14,200.00	7,066.85	7,076.85	7,076.85	206.82	245.33	-87.73	-793.05	-4,417.67	2,119.28	1,807.62	311.66	6.800	
14,300.00	7,065.69	7,075.69	7,075.69	209.63	245.29	-87.62	-793.05	-4,417.67	2,215.41	1,905.24	310.17	7.143	
14,400.00	7,064.52	7,074.52	7,074.52	212.44	245.25	-87.50	-793.05	-4,417.67	2,311.87	2,003.06	308.81	7.486	
14,500.00	7,063.36	7,073.36	7,073.36	215.25	245.21	-87.39	-793.05	-4,417.67	2,408.62	2,101.06	307.57	7.831	
14,600.00	7,062.20	7,072.20	7,072.20	218.06	245.17	-87.28	-793.05	-4,417.67	2,505.63	2,199.20	306.43	8.177	
14,700.00	7,061.03	7,071.03	7,071.03	220.87	245.13	-87.17	-793.05	-4,417.67	2,602.86	2,297.48	305.38	8.523	
14,800.00	7,059.87	7,069.87	7,069.87	223.68	245.09	-87.06	-793.05	-4,417.67	2,700.29	2,395.88	304.41	8.871	
14,900.00	7,058.71	7,068.71	7,068.71	226.49	245.05	-86.95	-793.05	-4,417.67	2,797.90	2,494.38	303.52	9.218	
15,000.00	7,057.54	7,067.54	7,067.54	229.30	245.00	-86.84	-793.05	-4,417.67	2,895.68	2,592.99	302.69	9.566	
15,100.00	7,056.38	7,066.38	7,066.38	232.12	244.96	-86.72	-793.05	-4,417.67	2,993.60	2,691.67	301.92	9.915	
15,200.00	7,055.22	7,065.22	7,065.22	234.93	244.92	-86.61	-793.05	-4,417.67	3,091.65	2,790.44	301.21	10.264	
15,300.00	7,054.05	7,064.05	7,064.05	237.75	244.88	-86.50	-793.05	-4,417.67	3,189.83	2,889.28	300.55	10.613	
15,400.00	7,052.89	7,062.89	7,062.89	240.56	244.84	-86.39	-793.05	-4,417.67	3,288.11	2,988.18	299.93	10.963	
15,500.00	7,051.73	7,061.73	7,061.73	243.38	244.80	-86.28	-793.05	-4,417.67	3,386.49	3,087.13	299.36	11.312	
15,600.00	7,050.56	7,060.56	7,060.56	246.20	244.76	-86.17	-793.05	-4,417.67	3,484.97	3,186.15	298.82	11.662	
15,648.52	7,050.00	7,060.00	7,060.00	247.57	244.74	-86.11	-793.05	-4,417.67	3,532.78	3,234.21	298.57	11.832	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-84.84	383.61	-4,247.65	4,265.07					
100.00	100.00	66.00	66.00	3.28	1.15	-84.84	383.61	-4,247.65	4,264.94	4,260.50	4.44	961.263		
200.00	200.00	166.00	166.00	3.34	4.05	-84.84	383.61	-4,247.65	4,264.94	4,257.55	7.39	577.389		
300.00	300.00	266.00	266.00	3.44	7.54	-84.84	383.61	-4,247.65	4,264.94	4,253.95	10.99	388.234		
400.00	399.98	365.98	365.98	3.60	11.03	-176.34	383.61	-4,247.65	4,266.68	4,252.05	14.63	291.626		
500.00	499.84	465.84	465.84	3.80	14.52	-176.34	383.61	-4,247.65	4,271.90	4,253.59	18.32	233.241		
600.00	599.45	565.45	565.45	4.04	17.99	-176.33	383.61	-4,247.65	4,280.60	4,258.57	22.03	194.287		
682.50	681.36	647.36	647.36	4.26	20.85	-176.33	383.61	-4,247.65	4,290.38	4,265.27	25.12	170.820		
700.00	698.71	664.71	664.71	4.32	21.46	-176.33	383.61	-4,247.65	4,292.71	4,266.93	25.77	166.552		
800.00	797.82	763.82	763.82	4.62	24.92	-176.34	383.61	-4,247.65	4,305.99	4,276.47	29.53	145.827		
900.00	896.93	862.93	862.93	4.95	28.38	-176.35	383.61	-4,247.65	4,319.28	4,285.97	33.31	129.686		
1,000.00	996.04	962.04	962.04	5.30	31.84	-176.36	383.61	-4,247.65	4,332.56	4,295.46	37.10	116.773		
1,100.00	1,095.15	1,061.15	1,061.15	5.67	35.30	-176.38	383.61	-4,247.65	4,345.85	4,304.94	40.92	106.216		
1,200.00	1,194.26	1,160.26	1,160.26	6.05	38.76	-176.39	383.61	-4,247.65	4,359.14	4,314.40	44.74	97.431		
1,300.00	1,293.37	1,259.37	1,259.37	6.45	42.22	-176.40	383.61	-4,247.65	4,372.42	4,323.85	48.58	90.010		
1,400.00	1,392.48	1,358.48	1,358.48	6.85	45.68	-176.41	383.61	-4,247.65	4,385.71	4,333.29	52.42	83.660		
1,500.00	1,491.59	1,457.59	1,457.59	7.26	49.14	-176.42	383.61	-4,247.65	4,399.00	4,342.72	56.28	78.169		
1,600.00	1,590.70	1,556.70	1,556.70	7.68	52.60	-176.43	383.61	-4,247.65	4,412.28	4,352.15	60.14	73.373		
1,700.00	1,689.81	1,655.81	1,655.81	8.10	56.06	-176.44	383.61	-4,247.65	4,425.57	4,361.57	64.00	69.150		
1,800.00	1,788.92	1,754.92	1,754.92	8.53	59.52	-176.45	383.61	-4,247.65	4,438.86	4,370.99	67.87	65.403		
1,900.00	1,888.03	1,854.03	1,854.03	8.96	62.98	-176.46	383.61	-4,247.65	4,452.14	4,380.40	71.74	62.057		
2,000.00	1,987.14	1,953.14	1,953.14	9.39	66.44	-176.47	383.61	-4,247.65	4,465.43	4,389.81	75.62	59.052		
2,100.00	2,086.25	2,052.25	2,052.25	9.83	69.90	-176.48	383.61	-4,247.65	4,478.72	4,399.22	79.50	56.337		
2,200.00	2,185.36	2,151.36	2,151.36	10.27	73.36	-176.49	383.61	-4,247.65	4,492.01	4,408.62	83.38	53.873		
2,300.00	2,284.47	2,250.47	2,250.47	10.71	76.82	-176.50	383.61	-4,247.65	4,505.29	4,418.03	87.27	51.627		
2,400.00	2,383.58	2,349.58	2,349.58	11.15	80.28	-176.51	383.61	-4,247.65	4,518.58	4,427.43	91.15	49.572		
2,500.00	2,482.69	2,448.69	2,448.69	11.60	83.74	-176.52	383.61	-4,247.65	4,531.87	4,436.83	95.04	47.684		
2,600.00	2,581.80	2,547.80	2,547.80	12.05	87.20	-176.53	383.61	-4,247.65	4,545.16	4,446.23	98.93	45.943		
2,700.00	2,680.91	2,646.91	2,646.91	12.50	90.66	-176.54	383.61	-4,247.65	4,558.45	4,455.62	102.82	44.333		
2,800.00	2,780.02	2,746.02	2,746.02	12.95	94.12	-176.55	383.61	-4,247.65	4,571.73	4,465.02	106.71	42.841		
2,900.00	2,879.13	2,845.13	2,845.13	13.40	97.58	-176.56	383.61	-4,247.65	4,585.02	4,474.41	110.61	41.453		
3,000.00	2,978.24	2,944.24	2,944.24	13.85	101.04	-176.57	383.61	-4,247.65	4,598.31	4,483.81	114.50	40.159		
3,100.00	3,077.35	3,043.35	3,043.35	14.30	104.50	-176.58	383.61	-4,247.65	4,611.60	4,493.20	118.40	38.950		
3,200.00	3,176.46	3,142.46	3,142.46	14.76	107.96	-176.59	383.61	-4,247.65	4,624.89	4,502.59	122.30	37.817		
3,300.00	3,275.57	3,241.57	3,241.57	15.21	111.42	-176.60	383.61	-4,247.65	4,638.18	4,511.99	126.19	36.755		
3,400.00	3,374.68	3,340.68	3,340.68	15.67	114.88	-176.61	383.61	-4,247.65	4,651.47	4,521.38	130.09	35.755		
3,500.00	3,473.79	3,439.79	3,439.79	16.12	118.34	-176.62	383.61	-4,247.65	4,664.76	4,530.77	133.99	34.814		
3,600.00	3,572.90	3,538.90	3,538.90	16.58	121.80	-176.63	383.61	-4,247.65	4,678.05	4,540.16	137.89	33.926		
3,700.00	3,672.01	3,638.01	3,638.01	17.04	125.26	-176.64	383.61	-4,247.65	4,691.34	4,549.55	141.79	33.087		
3,800.00	3,771.12	3,737.12	3,737.12	17.50	128.72	-176.65	383.61	-4,247.65	4,704.63	4,558.94	145.69	32.292		
3,900.00	3,870.23	3,836.23	3,836.23	17.95	132.18	-176.66	383.61	-4,247.65	4,717.92	4,568.33	149.59	31.539		
4,000.00	3,969.34	3,935.34	3,935.34	18.41	135.64	-176.67	383.61	-4,247.65	4,731.21	4,577.71	153.49	30.824		
4,100.00	4,068.45	4,034.45	4,034.45	18.87	139.10	-176.68	383.61	-4,247.65	4,744.50	4,587.10	157.39	30.144		
4,200.00	4,167.56	4,133.56	4,133.56	19.33	142.56	-176.69	383.61	-4,247.65	4,757.79	4,596.49	161.30	29.497		
4,300.00	4,266.67	4,232.67	4,232.67	19.79	146.02	-176.70	383.61	-4,247.65	4,771.08	4,605.88	165.20	28.881		
4,400.00	4,365.78	4,331.78	4,331.78	20.25	149.48	-176.71	383.61	-4,247.65	4,784.37	4,615.27	169.10	28.293		
4,500.00	4,464.89	4,430.89	4,430.89	20.71	152.94	-176.72	383.61	-4,247.65	4,797.66	4,624.65	173.00	27.731		
4,600.00	4,564.00	4,530.00	4,530.00	21.17	156.40	-176.73	383.61	-4,247.65	4,810.95	4,634.04	176.91	27.195		
4,700.00	4,663.11	4,629.11	4,629.11	21.63	159.86	-176.74	383.61	-4,247.65	4,824.24	4,643.43	180.81	26.681		
4,800.00	4,762.22	4,728.22	4,728.22	22.09	163.32	-176.74	383.61	-4,247.65	4,837.53	4,652.81	184.72	26.189		
4,900.00	4,861.33	4,827.33	4,827.33	22.56	166.78	-176.75	383.61	-4,247.65	4,850.82	4,662.20	188.62	25.717		
5,000.00	4,960.44	4,926.44	4,926.44	23.02	170.24	-176.76	383.61	-4,247.65	4,864.11	4,671.59	192.52	25.265		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 - FRAKER J #6-2 - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 0.00 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,059.55	5,025.55	5,025.55	23.48	173.70	-176.77	383.61	-4,247.65	4,877.40	4,680.97	196.43	24.830				
5,200.00	5,158.66	5,124.66	5,124.66	23.94	177.16	-176.78	383.61	-4,247.65	4,890.70	4,690.36	200.33	24.413				
5,300.00	5,257.77	5,223.77	5,223.77	24.40	180.62	-176.79	383.61	-4,247.65	4,903.99	4,699.75	204.24	24.011				
5,400.00	5,356.88	5,322.88	5,322.88	24.87	184.08	-176.80	383.61	-4,247.65	4,917.28	4,709.13	208.14	23.624				
5,500.00	5,455.99	5,421.99	5,421.99	25.33	187.54	-176.81	383.61	-4,247.65	4,930.57	4,718.52	212.05	23.252				
5,600.00	5,555.10	5,521.10	5,521.10	25.79	191.00	-176.81	383.61	-4,247.65	4,943.86	4,727.91	215.96	22.893				
5,700.00	5,654.21	5,620.21	5,620.21	26.25	194.46	-176.82	383.61	-4,247.65	4,957.15	4,737.29	219.86	22.547				
5,800.00	5,753.32	5,719.32	5,719.32	26.72	197.92	-176.83	383.61	-4,247.65	4,970.45	4,746.68	223.77	22.213				
5,900.00	5,852.43	5,818.43	5,818.43	27.18	201.38	-176.84	383.61	-4,247.65	4,983.74	4,756.06	227.67	21.890				
6,000.00	5,951.54	5,917.54	5,917.54	27.64	204.84	-176.85	383.61	-4,247.65	4,997.03	4,765.45	231.58	21.578				
6,100.00	6,050.65	6,016.65	6,016.65	28.11	208.30	-176.86	383.61	-4,247.65	5,010.32	4,774.84	235.49	21.276				
6,200.00	6,149.76	6,115.76	6,115.76	28.57	211.76	-176.87	383.61	-4,247.65	5,023.62	4,784.22	239.39	20.985				
6,300.00	6,248.87	6,214.87	6,214.87	29.03	215.22	-176.87	383.61	-4,247.65	5,036.91	4,793.61	243.30	20.703				
6,400.00	6,347.98	6,313.98	6,313.98	29.50	218.68	-176.88	383.61	-4,247.65	5,050.20	4,802.99	247.21	20.429				
6,475.54	6,422.84	6,388.84	6,388.84	29.85	221.29	-176.89	383.61	-4,247.65	5,060.24	4,810.08	250.16	20.228				
6,500.00	6,447.14	6,413.14	6,413.14	29.96	222.14	-178.28	383.61	-4,247.65	5,063.03	4,811.92	251.11	20.162				
6,550.00	6,497.05	6,463.05	6,463.05	30.17	223.88	160.62	383.61	-4,247.65	5,065.83	4,812.76	253.07	20.017				
6,600.00	6,547.02	6,513.02	6,513.02	30.37	225.62	13.71	383.61	-4,247.65	5,064.74	4,809.73	255.01	19.861				
6,650.00	6,596.75	6,562.75	6,562.75	30.55	227.36	9.76	383.61	-4,247.65	5,059.75	4,802.83	256.92	19.694				
6,700.00	6,645.93	6,611.93	6,611.93	30.74	229.08	8.72	383.61	-4,247.65	5,050.90	4,792.09	258.81	19.516				
6,750.00	6,694.25	6,660.25	6,660.25	30.93	230.76	8.35	383.61	-4,247.65	5,038.24	4,777.60	260.64	19.330				
6,800.00	6,741.43	6,707.43	6,707.43	31.12	232.41	8.25	383.61	-4,247.65	5,021.86	4,759.43	262.43	19.136				
6,850.00	6,787.16	6,753.16	6,753.16	31.32	234.01	8.33	383.61	-4,247.65	5,001.85	4,737.70	264.15	18.936				
6,900.00	6,831.16	6,802.84	6,797.16	31.52	235.74	8.54	383.61	-4,247.65	4,978.33	4,712.34	265.99	18.716				
6,950.00	6,873.17	6,839.17	6,839.17	31.74	237.01	8.88	383.61	-4,247.65	4,951.46	4,684.11	267.36	18.520				
7,000.00	6,912.92	6,878.92	6,878.92	31.96	238.40	9.35	383.61	-4,247.65	4,921.40	4,652.58	268.82	18.307				
7,050.00	6,950.18	6,916.18	6,916.18	32.21	239.70	9.97	383.61	-4,247.65	4,888.34	4,618.15	270.19	18.092				
7,100.00	6,984.70	6,950.70	6,950.70	32.48	240.90	10.79	383.61	-4,247.65	4,852.47	4,581.02	271.45	17.876				
7,150.00	7,016.29	6,982.29	6,982.29	32.77	242.01	11.85	383.61	-4,247.65	4,814.03	4,541.43	272.60	17.660				
7,200.00	7,044.73	7,010.73	7,010.73	33.10	243.00	13.24	383.61	-4,247.65	4,773.25	4,499.62	273.62	17.445				
7,250.00	7,069.86	7,035.86	7,035.86	33.46	243.88	15.11	383.61	-4,247.65	4,730.38	4,455.85	274.53	17.231				
7,300.00	7,091.53	7,057.53	7,057.53	33.86	244.63	17.71	383.61	-4,247.65	4,685.69	4,410.39	275.30	17.020				
7,350.00	7,109.59	7,075.59	7,075.59	34.30	245.26	21.46	383.61	-4,247.65	4,639.45	4,363.51	275.94	16.813				
7,400.00	7,123.94	7,089.94	7,089.94	34.78	245.76	27.21	383.61	-4,247.65	4,591.96	4,315.50	276.45	16.610				
7,450.00	7,134.49	7,100.49	7,100.49	35.29	246.13	36.77	383.61	-4,247.65	4,543.49	4,266.66	276.83	16.413				
7,500.00	7,141.18	7,107.18	7,107.18	35.84	246.37	53.86	383.61	-4,247.65	4,494.36	4,217.29	277.07	16.221				
7,550.00	7,143.95	7,109.95	7,109.95	36.42	246.46	82.88	383.61	-4,247.65	4,444.87	4,167.69	277.18	16.036				
7,567.79	7,144.00	7,110.00	7,110.00	36.63	246.46	95.08	383.61	-4,247.65	4,427.23	4,150.04	277.19	15.972				
7,600.00	7,143.62	7,109.62	7,109.62	37.03	246.45	95.04	383.61	-4,247.65	4,395.30	4,118.11	277.18	15.857				
7,700.00	7,142.46	7,108.46	7,108.46	38.38	246.41	94.93	383.61	-4,247.65	4,296.18	4,019.00	277.18	15.500				
7,800.00	7,141.29	7,107.29	7,107.29	39.88	246.37	94.81	383.61	-4,247.65	4,197.11	3,919.92	277.19	15.142				
7,900.00	7,140.13	7,106.13	7,106.13	41.53	246.33	94.70	383.61	-4,247.65	4,098.08	3,820.87	277.20	14.784				
8,000.00	7,138.97	7,104.97	7,104.97	43.30	246.29	94.58	383.61	-4,247.65	3,999.10	3,721.86	277.23	14.425				
8,100.00	7,137.80	7,103.80	7,103.80	45.18	246.25	94.47	383.61	-4,247.65	3,900.17	3,622.89	277.27	14.066				
8,200.00	7,136.64	7,102.64	7,102.64	47.16	246.21	94.35	383.61	-4,247.65	3,801.29	3,523.97	277.33	13.707				
8,300.00	7,135.48	7,101.48	7,101.48	49.22	246.17	94.24	383.61	-4,247.65	3,702.48	3,425.08	277.40	13.347				
8,400.00	7,134.32	7,100.32	7,100.32	51.36	246.13	94.12	383.61	-4,247.65	3,603.73	3,326.24	277.48	12.987				
8,500.00	7,133.15	7,100.85	7,099.15	53.56	246.15	94.01	383.61	-4,247.65	3,505.05	3,227.40	277.65	12.624				
8,600.00	7,131.99	7,102.01	7,097.99	55.82	246.19	93.89	383.61	-4,247.65	3,406.44	3,128.58	277.86	12.260				
8,700.00	7,130.83	7,103.17	7,096.83	58.13	246.23	93.78	383.61	-4,247.65	3,307.93	3,029.83	278.10	11.895				
8,800.00	7,129.66	7,104.34	7,095.66	60.49	246.27	93.66	383.61	-4,247.65	3,209.50	2,931.14	278.36	11.530				
8,900.00	7,128.50	7,105.50	7,094.50	62.89	246.31	93.54	383.61	-4,247.65	3,111.17	2,832.51	278.66	11.165				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,106.66	7,093.34	65.32	246.35	93.43	383.61	-4,247.65	3,012.95	2,733.96	278.99	10.799		
9,100.00	7,126.17	7,107.83	7,092.17	67.79	246.39	93.31	383.61	-4,247.65	2,914.85	2,635.49	279.37	10.434		
9,200.00	7,125.01	7,108.99	7,091.01	70.28	246.43	93.20	383.61	-4,247.65	2,816.89	2,537.10	279.79	10.068		
9,300.00	7,123.85	7,089.85	7,089.85	72.80	245.76	93.08	383.61	-4,247.65	2,719.07	2,439.52	279.56	9.726		
9,400.00	7,122.68	7,088.68	7,088.68	75.34	245.72	92.97	383.61	-4,247.65	2,621.42	2,341.41	280.01	9.362		
9,500.00	7,121.52	7,087.52	7,087.52	77.91	245.68	92.85	383.61	-4,247.65	2,523.95	2,243.41	280.54	8.997		
9,600.00	7,120.36	7,086.36	7,086.36	80.49	245.64	92.73	383.61	-4,247.65	2,426.69	2,145.54	281.15	8.631		
9,700.00	7,119.19	7,085.19	7,085.19	83.09	245.60	92.62	383.61	-4,247.65	2,329.65	2,047.80	281.85	8.265		
9,800.00	7,118.03	7,084.03	7,084.03	85.70	245.56	92.50	383.61	-4,247.65	2,232.88	1,950.22	282.66	7.899		
9,900.00	7,116.87	7,082.87	7,082.87	88.33	245.52	92.39	383.61	-4,247.65	2,136.41	1,852.81	283.60	7.533		
10,000.00	7,115.70	7,081.70	7,081.70	90.98	245.48	92.27	383.61	-4,247.65	2,040.27	1,755.59	284.68	7.167		
10,100.00	7,114.54	7,080.54	7,080.54	93.63	245.44	92.15	383.61	-4,247.65	1,944.53	1,658.60	285.92	6.801		
10,200.00	7,113.38	7,079.38	7,079.38	96.29	245.40	92.04	383.61	-4,247.65	1,849.23	1,561.87	287.36	6.435		
10,300.00	7,112.21	7,078.21	7,078.21	98.97	245.36	91.92	383.61	-4,247.65	1,754.45	1,465.43	289.03	6.070		
10,400.00	7,111.05	7,077.05	7,077.05	101.65	245.31	91.81	383.61	-4,247.65	1,660.29	1,369.34	290.96	5.706		
10,500.00	7,109.89	7,075.89	7,075.89	104.34	245.27	91.69	383.61	-4,247.65	1,566.85	1,273.66	293.20	5.344		
10,600.00	7,108.72	7,074.72	7,074.72	107.04	245.23	91.58	383.61	-4,247.65	1,474.27	1,178.48	295.80	4.984		
10,700.00	7,107.56	7,073.56	7,073.56	109.75	245.19	91.46	383.61	-4,247.65	1,382.73	1,083.90	298.83	4.627		
10,800.00	7,106.40	7,072.40	7,072.40	112.47	245.15	91.34	383.61	-4,247.65	1,292.43	990.08	302.36	4.274		
10,900.00	7,105.24	7,071.24	7,071.24	115.19	245.11	91.23	383.61	-4,247.65	1,203.68	897.19	306.49	3.927		
11,000.00	7,104.07	7,070.07	7,070.07	117.91	245.07	91.11	383.61	-4,247.65	1,116.82	805.51	311.31	3.587		
11,100.00	7,102.91	7,068.91	7,068.91	120.64	245.03	91.00	383.61	-4,247.65	1,032.34	715.39	316.95	3.257		
11,200.00	7,101.75	7,067.75	7,067.75	123.38	244.99	90.88	383.61	-4,247.65	950.87	627.36	323.51	2.939		
11,300.00	7,100.58	7,066.58	7,066.58	126.12	244.95	90.76	383.61	-4,247.65	873.27	542.14	331.12	2.637		
11,400.00	7,099.42	7,065.42	7,065.42	128.87	244.91	90.65	383.61	-4,247.65	800.64	460.81	339.83	2.356		
11,500.00	7,098.26	7,064.26	7,064.26	131.62	244.87	90.53	383.61	-4,247.65	734.48	384.92	349.56	2.101		
11,600.00	7,097.09	7,063.09	7,063.09	134.37	244.83	90.42	383.61	-4,247.65	676.68	316.66	360.01	1.880		
11,700.00	7,095.93	7,061.93	7,061.93	137.13	244.79	90.30	383.61	-4,247.65	629.54	259.04	370.49	1.699		
11,800.00	7,094.77	7,060.77	7,060.77	139.89	244.75	90.18	383.61	-4,247.65	595.60	215.75	379.85	1.568		
11,900.00	7,093.60	7,059.60	7,059.60	142.65	244.71	90.07	383.61	-4,247.65	577.20	190.54	386.66	1.493 Level 3		
11,957.91	7,092.93	7,058.93	7,058.93	144.26	244.68	90.00	383.61	-4,247.65	574.29	185.35	388.94	1.477 Level 3, CC, ES, SF		
12,000.00	7,092.44	7,058.44	7,058.44	145.42	244.67	89.95	383.61	-4,247.65	575.83	186.10	389.73	1.478 Level 3		
12,100.00	7,091.28	7,057.28	7,057.28	148.19	244.62	89.84	383.61	-4,247.65	591.60	202.88	388.72	1.522		
12,200.00	7,090.11	7,056.11	7,056.11	150.96	244.58	89.72	383.61	-4,247.65	623.22	238.91	384.31	1.622		
12,300.00	7,088.95	7,054.95	7,054.95	153.74	244.54	89.60	383.61	-4,247.65	668.44	290.72	377.72	1.770		
12,400.00	7,087.79	7,053.79	7,053.79	156.52	244.50	89.49	383.61	-4,247.65	724.72	354.56	370.16	1.958		
12,500.00	7,086.62	7,052.62	7,052.62	159.30	244.46	89.37	383.61	-4,247.65	789.70	427.20	362.50	2.179		
12,600.00	7,085.46	7,051.46	7,051.46	162.08	244.42	89.25	383.61	-4,247.65	861.41	506.18	355.23	2.425		
12,700.00	7,084.30	7,050.30	7,050.30	164.86	244.38	89.14	383.61	-4,247.65	938.31	589.73	348.58	2.692		
12,800.00	7,083.13	7,049.13	7,049.13	167.65	244.34	89.02	383.61	-4,247.65	1,019.22	676.59	342.63	2.975		
12,900.00	7,081.97	7,047.97	7,047.97	170.44	244.30	88.91	383.61	-4,247.65	1,103.27	765.91	337.36	3.270		
13,000.00	7,080.81	7,046.81	7,046.81	173.23	244.26	88.79	383.61	-4,247.65	1,189.79	857.08	332.71	3.576		
13,100.00	7,079.64	7,045.64	7,045.64	176.02	244.22	88.67	383.61	-4,247.65	1,278.28	949.67	328.60	3.890		
13,200.00	7,078.48	7,044.48	7,044.48	178.81	244.18	88.56	383.61	-4,247.65	1,368.35	1,043.37	324.98	4.211		
13,300.00	7,077.32	7,043.32	7,043.32	181.61	244.14	88.44	383.61	-4,247.65	1,459.71	1,137.94	321.78	4.536		
13,400.00	7,076.16	7,042.16	7,042.16	184.40	244.10	88.33	383.61	-4,247.65	1,552.14	1,233.21	318.93	4.867		
13,500.00	7,074.99	7,040.99	7,040.99	187.20	244.06	88.21	383.61	-4,247.65	1,645.45	1,329.05	316.40	5.201		
13,600.00	7,073.83	7,039.83	7,039.83	190.00	244.02	88.10	383.61	-4,247.65	1,739.51	1,425.37	314.13	5.537		
13,700.00	7,072.67	7,038.67	7,038.67	192.80	243.97	87.98	383.61	-4,247.65	1,834.19	1,522.09	312.10	5.877		
13,800.00	7,071.50	7,037.50	7,037.50	195.60	243.93	87.86	383.61	-4,247.65	1,929.41	1,619.14	310.27	6.218		
13,900.00	7,070.34	7,036.34	7,036.34	198.41	243.89	87.75	383.61	-4,247.65	2,025.09	1,716.47	308.62	6.562		
14,000.00	7,069.18	7,035.18	7,035.18	201.21	243.85	87.63	383.61	-4,247.65	2,121.17	1,814.04	307.12	6.907		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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
14,100.00	7,068.01	7,034.01	7,034.01	204.02	243.81	87.52	383.61	-4,247.65	2,217.59	1,911.83	305.76	7.253	
14,200.00	7,066.85	7,032.85	7,032.85	206.82	243.77	87.40	383.61	-4,247.65	2,314.32	2,009.80	304.52	7.600	
14,300.00	7,065.69	7,031.69	7,031.69	209.63	243.73	87.28	383.61	-4,247.65	2,411.31	2,107.92	303.39	7.948	
14,400.00	7,064.52	7,030.52	7,030.52	212.44	243.69	87.17	383.61	-4,247.65	2,508.54	2,206.19	302.35	8.297	
14,500.00	7,063.36	7,029.36	7,029.36	215.25	243.65	87.05	383.61	-4,247.65	2,605.98	2,304.58	301.40	8.646	
14,600.00	7,062.20	7,028.20	7,028.20	218.06	243.61	86.94	383.61	-4,247.65	2,703.61	2,403.09	300.52	8.996	
14,700.00	7,061.03	7,027.03	7,027.03	220.87	243.57	86.82	383.61	-4,247.65	2,801.40	2,501.69	299.71	9.347	
14,800.00	7,059.87	7,025.87	7,025.87	223.68	243.53	86.71	383.61	-4,247.65	2,899.34	2,600.38	298.96	9.698	
14,900.00	7,058.71	7,024.71	7,024.71	226.49	243.49	86.59	383.61	-4,247.65	2,997.42	2,699.15	298.27	10.049	
15,000.00	7,057.54	7,023.54	7,023.54	229.30	243.45	86.47	383.61	-4,247.65	3,095.62	2,797.99	297.62	10.401	
15,100.00	7,056.38	7,022.38	7,022.38	232.12	243.41	86.36	383.61	-4,247.65	3,193.93	2,896.90	297.02	10.753	
15,200.00	7,055.22	7,021.22	7,021.22	234.93	243.37	86.24	383.61	-4,247.65	3,292.34	2,995.87	296.47	11.105	
15,300.00	7,054.05	7,020.05	7,020.05	237.75	243.33	86.13	383.61	-4,247.65	3,390.85	3,094.90	295.95	11.458	
15,400.00	7,052.89	7,018.89	7,018.89	240.56	243.28	86.01	383.61	-4,247.65	3,489.44	3,193.97	295.46	11.810	
15,500.00	7,051.73	7,017.73	7,017.73	243.38	243.24	85.90	383.61	-4,247.65	3,588.10	3,293.09	295.01	12.163	
15,600.00	7,050.56	7,016.56	7,016.56	246.20	243.20	85.78	383.61	-4,247.65	3,686.84	3,392.26	294.59	12.515	
15,648.52	7,050.00	7,016.00	7,016.00	247.57	243.18	85.73	383.61	-4,247.65	3,734.78	3,440.39	294.39	12.687	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	70.62	865.34	2,460.19	2,607.94					
100.00	100.00	92.54	92.54	3.28	3.29	70.62	865.37	2,460.24	2,608.00	2,601.43	6.57	396.913		
200.00	200.00	194.90	194.90	3.34	3.34	70.62	865.50	2,460.30	2,608.10	2,601.42	6.68	390.713		
300.00	300.00	305.95	305.95	3.44	3.46	70.61	865.75	2,460.02	2,607.94	2,601.03	6.90	377.806		
400.00	399.98	412.81	412.80	3.60	3.63	-20.93	866.02	2,459.36	2,605.80	2,598.57	7.23	360.484		
500.00	499.84	519.34	519.33	3.80	3.85	-21.02	866.20	2,458.37	2,600.10	2,592.45	7.65	340.103		
600.00	599.45	614.52	614.51	4.04	4.08	-21.16	866.12	2,457.58	2,591.15	2,583.04	8.11	319.416		
682.50	681.36	694.39	694.38	4.26	4.29	-21.31	866.13	2,456.98	2,581.43	2,572.88	8.55	301.957		
700.00	698.71	711.94	711.93	4.32	4.34	-21.33	866.16	2,456.85	2,579.14	2,570.49	8.65	298.165		
800.00	797.82	813.83	813.82	4.62	4.63	-21.46	866.40	2,455.98	2,566.01	2,556.77	9.24	277.585		
900.00	896.93	914.36	914.34	4.95	4.95	-21.58	866.61	2,455.03	2,552.81	2,542.93	9.88	258.425		
1,000.00	996.04	1,016.16	1,016.13	5.30	5.28	-21.70	866.81	2,454.02	2,539.56	2,529.00	10.55	240.645		
1,100.00	1,095.15	1,125.15	1,125.11	5.67	5.66	-21.84	867.04	2,452.60	2,526.04	2,514.75	11.28	223.887		
1,200.00	1,194.26	1,230.05	1,230.00	6.05	6.03	-21.98	867.10	2,450.89	2,512.17	2,500.15	12.02	208.937		
1,300.00	1,293.37	1,327.00	1,326.94	6.45	6.38	-22.10	867.23	2,449.24	2,498.28	2,485.52	12.76	195.836		
1,400.00	1,392.48	1,424.55	1,424.47	6.85	6.74	-22.24	867.59	2,447.61	2,484.51	2,471.00	13.51	183.913		
1,500.00	1,491.59	1,527.14	1,527.04	7.26	7.13	-22.38	867.77	2,445.83	2,470.62	2,456.32	14.29	172.851		
1,600.00	1,590.70	1,623.24	1,623.13	7.68	7.50	-22.51	867.98	2,444.19	2,456.79	2,441.72	15.07	163.068		
1,700.00	1,689.81	1,725.09	1,724.97	8.10	7.90	-22.65	868.16	2,442.46	2,442.97	2,427.10	15.87	153.939		
1,800.00	1,788.92	1,826.53	1,826.38	8.53	8.29	-22.80	868.26	2,440.55	2,428.97	2,412.29	16.68	145.617		
1,900.00	1,888.03	1,916.14	1,915.98	8.96	8.65	-22.93	868.50	2,438.98	2,415.16	2,397.71	17.46	138.357		
2,000.00	1,987.14	2,000.43	2,000.26	9.39	8.98	-23.05	869.03	2,437.85	2,401.88	2,383.66	18.22	131.841		
2,100.00	2,086.25	2,095.46	2,095.29	9.83	9.36	-23.20	869.96	2,436.85	2,388.99	2,369.97	19.02	125.574		
2,200.00	2,185.36	2,192.04	2,191.84	10.27	9.75	-23.37	871.47	2,435.74	2,376.26	2,356.42	19.84	119.758		
2,300.00	2,284.47	2,285.33	2,285.10	10.71	10.13	-23.55	873.62	2,434.56	2,363.71	2,343.06	20.65	114.448		
2,400.00	2,383.58	2,382.95	2,382.68	11.15	10.53	-23.74	876.17	2,433.37	2,351.35	2,329.86	21.48	109.445		
2,500.00	2,482.69	2,466.18	2,465.86	11.60	10.87	-23.92	878.75	2,432.45	2,339.31	2,317.04	22.27	105.060		
2,600.00	2,581.80	2,554.30	2,553.92	12.05	11.23	-24.12	882.12	2,431.89	2,327.98	2,304.91	23.07	100.911		
2,700.00	2,680.91	2,650.47	2,650.02	12.50	11.63	-24.34	885.87	2,431.49	2,316.93	2,293.03	23.91	96.918		
2,800.00	2,780.02	2,745.16	2,744.63	12.95	12.03	-24.57	889.81	2,431.09	2,306.01	2,281.28	24.74	93.210		
2,900.00	2,879.13	2,829.44	2,828.82	13.40	12.38	-24.77	893.46	2,430.99	2,295.49	2,269.95	25.54	89.892		
3,000.00	2,978.24	2,904.78	2,904.09	13.85	12.69	-24.95	896.87	2,431.63	2,285.95	2,259.65	26.30	86.925		
3,100.00	3,077.35	3,008.19	3,007.38	14.30	13.12	-25.19	901.55	2,432.96	2,276.85	2,249.68	27.17	83.799		
3,200.00	3,176.46	3,096.09	3,095.17	14.76	13.49	-25.39	905.57	2,434.25	2,267.96	2,239.97	27.98	81.046		
3,300.00	3,275.57	3,191.13	3,190.10	15.21	13.89	-25.62	909.98	2,435.94	2,259.42	2,230.60	28.83	78.381		
3,400.00	3,374.68	3,284.22	3,283.08	15.67	14.28	-25.82	913.90	2,438.01	2,251.14	2,221.48	29.66	75.895		
3,500.00	3,473.79	3,390.06	3,388.82	16.12	14.72	-26.04	917.65	2,440.72	2,242.94	2,212.39	30.55	73.425		
3,600.00	3,572.90	3,484.91	3,483.59	16.58	15.12	-26.24	920.94	2,443.06	2,234.64	2,203.25	31.39	71.186		
3,700.00	3,672.01	3,586.36	3,584.94	17.04	15.54	-26.44	924.30	2,445.75	2,226.48	2,194.22	32.26	69.011		
3,800.00	3,771.12	3,715.92	3,714.43	17.50	16.09	-26.67	927.08	2,448.91	2,217.67	2,184.43	33.24	66.715		
3,900.00	3,870.23	3,820.11	3,818.59	17.95	16.52	-26.85	928.56	2,450.92	2,208.11	2,173.99	34.12	64.710		
4,000.00	3,969.34	3,929.11	3,927.58	18.41	16.97	-27.03	929.90	2,452.63	2,198.15	2,163.13	35.02	62.763		
4,100.00	4,068.45	4,038.57	4,037.02	18.87	17.43	-27.22	931.00	2,453.90	2,187.76	2,151.83	35.93	60.898		
4,200.00	4,167.56	4,141.38	4,139.82	19.33	17.86	-27.40	932.23	2,454.57	2,177.00	2,140.20	36.80	59.151		
4,300.00	4,266.67	4,239.22	4,237.65	19.79	18.27	-27.59	933.56	2,455.18	2,166.32	2,128.65	37.67	57.512		
4,400.00	4,365.78	4,342.61	4,341.02	20.25	18.71	-27.80	935.30	2,455.58	2,155.59	2,117.04	38.55	55.916		
4,500.00	4,464.89	4,470.46	4,468.85	20.71	19.24	-28.07	937.56	2,455.19	2,144.37	2,104.86	39.51	54.269		
4,600.00	4,564.00	4,610.03	4,608.39	21.17	19.83	-28.37	938.97	2,452.36	2,131.25	2,090.74	40.50	52.622		
4,700.00	4,663.11	4,715.56	4,713.86	21.63	20.28	-28.61	939.62	2,449.22	2,117.16	2,075.77	41.39	51.155		
4,800.00	4,762.22	4,819.32	4,817.57	22.09	20.72	-28.85	940.08	2,445.79	2,102.73	2,060.46	42.27	49.747		
4,900.00	4,861.33	4,915.89	4,914.08	22.56	21.13	-29.07	940.53	2,442.59	2,088.34	2,045.20	43.13	48.417		
5,000.00	4,960.44	5,019.02	5,017.15	23.02	21.56	-29.31	941.01	2,439.01	2,073.84	2,029.82	44.01	47.119		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,113.43	5,111.50	23.48	21.96	-29.55	941.66	2,435.70	2,059.44	2,014.57	44.87	45.895		
5,200.00	5,158.66	5,216.46	5,214.47	23.94	22.40	-29.80	942.11	2,432.13	2,045.01	1,999.26	45.75	44.695		
5,300.00	5,257.77	5,309.28	5,307.24	24.40	22.79	-30.01	942.20	2,429.13	2,030.66	1,984.05	46.61	43.566		
5,400.00	5,356.88	5,392.98	5,390.91	24.87	23.15	-30.20	942.29	2,426.94	2,016.87	1,969.42	47.45	42.509		
5,500.00	5,455.99	5,508.86	5,506.75	25.33	23.64	-30.46	942.11	2,424.07	2,003.12	1,954.76	48.36	41.421		
5,600.00	5,555.10	5,595.35	5,593.21	25.79	24.01	-30.66	941.97	2,421.81	1,989.28	1,940.08	49.20	40.429		
5,700.00	5,654.21	5,676.00	5,673.85	26.25	24.35	-30.85	942.09	2,420.21	1,976.16	1,926.13	50.03	39.498		
5,800.00	5,753.32	5,769.40	5,767.24	26.72	24.74	-31.06	942.32	2,419.06	1,963.76	1,912.87	50.89	38.586		
5,900.00	5,852.43	5,870.28	5,868.12	27.18	25.17	-31.29	942.78	2,417.71	1,951.40	1,899.63	51.77	37.691		
6,000.00	5,951.54	5,962.82	5,960.63	27.64	25.56	-31.52	943.58	2,416.28	1,939.11	1,886.47	52.63	36.841		
6,100.00	6,050.65	6,047.48	6,045.28	28.11	25.92	-31.75	944.92	2,415.16	1,927.40	1,873.93	53.47	36.045		
6,200.00	6,149.76	6,138.53	6,136.30	28.57	26.31	-32.01	947.05	2,414.40	1,916.50	1,862.17	54.33	35.276		
6,300.00	6,248.87	6,238.60	6,236.32	29.03	26.74	-32.32	949.93	2,413.13	1,905.56	1,850.35	55.21	34.513		
6,400.00	6,347.98	6,336.39	6,334.05	29.50	27.15	-32.63	952.96	2,412.03	1,894.92	1,838.83	56.09	33.784		
6,475.54	6,422.84	6,421.53	6,419.15	29.85	27.52	-32.89	955.33	2,410.84	1,886.62	1,829.84	56.79	33.224		
6,500.00	6,447.14	6,448.27	6,445.88	29.96	27.63	-34.23	956.07	2,410.37	1,884.27	1,827.26	57.01	33.054		
6,550.00	6,497.05	6,503.21	6,500.79	30.17	27.86	-55.31	957.62	2,409.24	1,881.91	1,824.46	57.45	32.758		
6,560.98	6,508.03	6,515.30	6,512.87	30.22	27.91	-126.20	957.98	2,408.97	1,881.83	1,824.29	57.54	32.704 CC, ES		
6,600.00	6,547.02	6,547.29	6,544.84	30.37	28.05	157.67	958.91	2,408.34	1,882.98	1,825.14	57.84	32.554		
6,650.00	6,596.75	6,591.81	6,589.33	30.55	28.24	153.46	960.25	2,407.55	1,887.60	1,829.39	58.22	32.424		
6,700.00	6,645.93	6,642.79	6,640.28	30.74	28.46	152.03	961.84	2,406.68	1,895.67	1,837.07	58.60	32.350		
6,750.00	6,694.25	6,694.56	6,692.01	30.93	28.68	151.09	963.58	2,405.62	1,907.00	1,848.02	58.97	32.336 SF		
6,800.00	6,741.43	6,740.38	6,737.78	31.12	28.87	150.25	965.27	2,404.56	1,921.58	1,862.25	59.32	32.393		
6,850.00	6,787.16	6,784.34	6,781.69	31.32	29.06	149.37	967.11	2,403.48	1,939.41	1,879.76	59.65	32.512		
6,900.00	6,831.16	6,823.05	6,820.35	31.52	29.23	148.37	968.90	2,402.49	1,960.44	1,900.48	59.96	32.698		
6,950.00	6,873.17	6,857.91	6,855.16	31.74	29.37	147.18	970.66	2,401.67	1,984.62	1,924.39	60.23	32.949		
7,000.00	6,912.92	6,890.88	6,888.07	31.96	29.52	145.77	972.46	2,400.96	2,011.83	1,951.34	60.49	33.257		
7,050.00	6,950.18	6,931.47	6,928.58	32.21	29.69	144.21	974.79	2,400.11	2,041.83	1,981.06	60.77	33.601		
7,100.00	6,984.70	6,973.22	6,970.25	32.48	29.87	142.41	977.19	2,399.09	2,074.27	2,013.24	61.03	33.986		
7,150.00	7,016.29	7,011.86	7,008.81	32.77	30.03	140.25	979.40	2,398.01	2,109.00	2,047.72	61.28	34.417		
7,200.00	7,044.73	7,036.47	7,033.37	33.10	30.14	137.42	980.79	2,397.36	2,145.95	2,084.48	61.47	34.910		
7,250.00	7,069.86	7,060.58	7,057.44	33.46	30.24	134.01	982.12	2,396.75	2,184.91	2,123.26	61.65	35.439		
7,300.00	7,091.53	7,081.42	7,078.24	33.86	30.33	129.82	983.26	2,396.25	2,225.67	2,163.85	61.82	36.005		
7,350.00	7,109.59	7,098.89	7,095.68	34.30	30.40	124.67	984.20	2,395.85	2,267.97	2,206.01	61.96	36.603		
7,400.00	7,123.94	7,119.12	7,115.88	34.78	30.49	118.62	985.27	2,395.39	2,311.55	2,249.44	62.11	37.217		
7,450.00	7,134.49	7,135.02	7,131.75	35.29	30.56	111.28	986.10	2,394.99	2,356.13	2,293.89	62.24	37.855		
7,500.00	7,141.18	7,145.86	7,142.57	35.84	30.60	102.58	986.66	2,394.70	2,401.47	2,339.12	62.35	38.516		
7,550.00	7,143.95	7,151.46	7,148.16	36.42	30.63	92.68	986.95	2,394.55	2,447.29	2,384.86	62.44	39.196		
7,567.79	7,144.00	7,152.16	7,148.86	36.63	30.63	88.96	986.98	2,394.53	2,463.67	2,401.20	62.46	39.442		
7,600.00	7,143.62	7,152.80	7,149.51	37.03	30.63	88.99	987.02	2,394.52	2,493.35	2,430.84	62.51	39.887		
7,700.00	7,142.46	7,154.85	7,151.55	38.38	30.64	89.12	987.12	2,394.46	2,585.91	2,523.25	62.66	41.267		
7,800.00	7,141.29	7,156.96	7,153.66	39.88	30.65	89.24	987.23	2,394.40	2,679.00	2,616.18	62.82	42.642		
7,900.00	7,140.13	7,159.14	7,155.83	41.53	30.66	89.37	987.34	2,394.34	2,772.57	2,709.58	62.99	44.013		
8,000.00	7,138.97	8,000.00	7,146.15	43.30	34.25	88.79	986.84	2,394.61	2,866.59	2,799.84	66.76	42.941		
8,100.00	7,137.80	8,100.00	7,147.29	45.18	34.68	88.86	986.90	2,394.58	2,960.99	2,893.64	67.35	43.964		
8,200.00	7,136.64	8,200.00	7,148.43	47.16	35.10	88.93	986.96	2,394.55	3,055.75	2,987.81	67.95	44.973		
8,300.00	7,135.48	8,300.00	7,149.57	49.22	35.53	89.00	987.02	2,394.52	3,150.83	3,082.29	68.54	45.969		
8,400.00	7,134.32	8,400.00	7,150.71	51.36	35.96	89.07	987.08	2,394.49	3,246.21	3,177.07	69.14	46.953		
8,500.00	7,133.15	7,150.00	7,146.71	53.56	30.62	88.83	986.87	2,394.59	3,341.86	3,277.88	63.98	52.235		
8,600.00	7,131.99	7,150.00	7,146.71	55.82	30.62	88.83	986.87	2,394.59	3,437.76	3,373.61	64.14	53.595		
8,700.00	7,130.83	7,150.00	7,146.71	58.13	30.62	88.83	986.87	2,394.59	3,533.88	3,469.57	64.31	54.954		
8,800.00	7,129.66	7,150.00	7,146.71	60.49	30.62	88.83	986.87	2,394.59	3,630.21	3,565.74	64.47	56.312		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,150.00	7,146.71	62.89	30.62	88.83	986.87	2,394.59	3,726.74	3,662.11	64.62	57.668		
9,000.00	7,127.34	7,150.00	7,146.71	65.32	30.62	88.83	986.87	2,394.59	3,823.44	3,758.66	64.78	59.024		
9,100.00	7,126.17	7,150.00	7,146.71	67.79	30.62	88.83	986.87	2,394.59	3,920.31	3,855.38	64.93	60.378		
9,200.00	7,125.01	7,150.00	7,146.71	70.28	30.62	88.83	986.87	2,394.59	4,017.33	3,952.26	65.08	61.731		
9,300.00	7,123.85	7,150.00	7,146.71	72.80	30.62	88.83	986.87	2,394.59	4,114.50	4,049.28	65.22	63.083		
9,400.00	7,122.68	7,150.00	7,146.71	75.34	30.62	88.83	986.87	2,394.59	4,211.80	4,146.43	65.37	64.433		
9,500.00	7,121.52	7,150.00	7,146.71	77.91	30.62	88.83	986.87	2,394.59	4,309.22	4,243.71	65.51	65.783		
9,600.00	7,120.36	7,150.00	7,146.71	80.49	30.62	88.83	986.87	2,394.59	4,406.76	4,341.11	65.64	67.131		
9,700.00	7,119.19	7,150.00	7,146.71	83.09	30.62	88.83	986.87	2,394.59	4,504.40	4,438.62	65.78	68.478		
9,800.00	7,118.03	7,150.00	7,146.71	85.70	30.62	88.83	986.87	2,394.59	4,602.15	4,536.24	65.91	69.824		
9,900.00	7,116.87	7,150.00	7,146.71	88.33	30.62	88.83	986.87	2,394.59	4,699.99	4,633.95	66.04	71.168		
10,000.00	7,115.70	7,150.00	7,146.71	90.98	30.62	88.83	986.87	2,394.59	4,797.92	4,731.75	66.17	72.511		
10,100.00	7,114.54	7,150.00	7,146.71	93.63	30.62	88.83	986.87	2,394.59	4,895.94	4,829.64	66.29	73.853		
10,200.00	7,113.38	7,150.00	7,146.71	96.29	30.62	88.83	986.87	2,394.59	4,994.03	4,927.61	66.42	75.193		
10,300.00	7,112.21	7,150.00	7,146.71	98.97	30.62	88.83	986.87	2,394.59	5,092.20	5,025.66	66.54	76.532		
10,400.00	7,111.05	7,150.00	7,146.71	101.65	30.62	88.83	986.87	2,394.59	5,190.43	5,123.78	66.66	77.869		
10,500.00	7,109.89	7,150.00	7,146.71	104.34	30.62	88.83	986.87	2,394.59	5,288.74	5,221.96	66.77	79.204		
10,600.00	7,108.72	7,150.00	7,146.71	107.04	30.62	88.83	986.87	2,394.59	5,387.10	5,320.21	66.89	80.538		
10,700.00	7,107.56	7,150.00	7,146.71	109.75	30.62	88.83	986.87	2,394.59	5,485.53	5,418.52	67.00	81.870		
10,800.00	7,106.40	7,150.00	7,146.71	112.47	30.62	88.83	986.87	2,394.59	5,584.01	5,516.89	67.12	83.200		
10,900.00	7,105.24	7,150.00	7,146.71	115.19	30.62	88.83	986.87	2,394.59	5,682.54	5,615.31	67.23	84.529		
11,000.00	7,104.07	7,150.00	7,146.71	117.91	30.62	88.83	986.87	2,394.59	5,781.12	5,713.79	67.34	85.855		
11,100.00	7,102.91	7,150.00	7,146.71	120.64	30.62	88.83	986.87	2,394.59	5,879.76	5,812.31	67.44	87.180		
11,200.00	7,101.75	7,150.00	7,146.71	123.38	30.62	88.83	986.87	2,394.59	5,978.43	5,910.88	67.55	88.503		
11,300.00	7,100.58	7,150.00	7,146.71	126.12	30.62	88.83	986.87	2,394.59	6,077.15	6,009.50	67.66	89.823		
11,400.00	7,099.42	7,150.00	7,146.71	128.87	30.62	88.83	986.87	2,394.59	6,175.92	6,108.15	67.76	91.142		
11,500.00	7,098.26	7,150.00	7,146.71	131.62	30.62	88.83	986.87	2,394.59	6,274.72	6,206.85	67.87	92.458		
11,600.00	7,097.09	7,150.00	7,146.71	134.37	30.62	88.83	986.87	2,394.59	6,373.56	6,305.59	67.97	93.773		
11,700.00	7,095.93	7,150.00	7,146.71	137.13	30.62	88.83	986.87	2,394.59	6,472.43	6,404.36	68.07	95.085		
11,800.00	7,094.77	7,150.00	7,146.71	139.89	30.62	88.83	986.87	2,394.59	6,571.34	6,503.17	68.17	96.395		
11,900.00	7,093.60	7,150.00	7,146.71	142.65	30.62	88.83	986.87	2,394.59	6,670.28	6,602.01	68.27	97.702		
12,000.00	7,092.44	7,150.00	7,146.71	145.42	30.62	88.83	986.87	2,394.59	6,769.25	6,700.88	68.37	99.008		
12,100.00	7,091.28	7,150.00	7,146.71	148.19	30.62	88.83	986.87	2,394.59	6,868.25	6,799.78	68.47	100.311		
12,200.00	7,090.11	7,150.00	7,146.71	150.96	30.62	88.83	986.87	2,394.59	6,967.28	6,898.71	68.57	101.611		
12,300.00	7,088.95	7,150.00	7,146.71	153.74	30.62	88.83	986.87	2,394.59	7,066.34	6,997.67	68.67	102.909		
12,400.00	7,087.79	7,150.00	7,146.71	156.52	30.62	88.83	986.87	2,394.59	7,165.42	7,096.66	68.76	104.205		
12,500.00	7,086.62	7,150.00	7,146.71	159.30	30.62	88.83	986.87	2,394.59	7,264.53	7,195.67	68.86	105.498		
12,600.00	7,085.46	7,150.00	7,146.71	162.08	30.62	88.83	986.87	2,394.59	7,363.66	7,294.71	68.96	106.788		
12,700.00	7,084.30	7,150.00	7,146.71	164.86	30.62	88.83	986.87	2,394.59	7,462.82	7,393.77	69.05	108.076		
12,800.00	7,083.13	7,150.00	7,146.71	167.65	30.62	88.83	986.87	2,394.59	7,562.00	7,492.85	69.15	109.361		
12,900.00	7,081.97	7,150.00	7,146.71	170.44	30.62	88.83	986.87	2,394.59	7,661.20	7,591.96	69.24	110.643		
13,000.00	7,080.81	7,150.00	7,146.71	173.23	30.62	88.83	986.87	2,394.59	7,760.42	7,691.08	69.34	111.923		
13,100.00	7,079.64	7,150.00	7,146.71	176.02	30.62	88.83	986.87	2,394.59	7,859.66	7,790.23	69.43	113.200		
13,200.00	7,078.48	7,150.00	7,146.71	178.81	30.62	88.83	986.87	2,394.59	7,958.92	7,889.39	69.53	114.474		
13,300.00	7,077.32	7,150.00	7,146.71	181.61	30.62	88.83	986.87	2,394.59	8,058.19	7,988.57	69.62	115.745		
13,400.00	7,076.16	7,150.00	7,146.71	184.40	30.62	88.83	986.87	2,394.59	8,157.49	8,087.78	69.71	117.013		
13,500.00	7,074.99	7,150.00	7,146.71	187.20	30.62	88.83	986.87	2,394.59	8,256.80	8,186.99	69.81	118.279		
13,600.00	7,073.83	7,150.00	7,146.71	190.00	30.62	88.83	986.87	2,394.59	8,356.13	8,286.23	69.90	119.541		
13,700.00	7,072.67	7,150.00	7,146.71	192.80	30.62	88.83	986.87	2,394.59	8,455.47	8,385.48	70.00	120.801		
13,800.00	7,071.50	7,150.00	7,146.71	195.60	30.62	88.83	986.87	2,394.59	8,554.83	8,484.75	70.09	122.058		
13,900.00	7,070.34	7,150.00	7,146.71	198.41	30.62	88.83	986.87	2,394.59	8,654.21	8,584.03	70.18	123.311		
14,000.00	7,069.18	7,150.00	7,146.71	201.21	30.62	88.83	986.87	2,394.59	8,753.60	8,683.32	70.28	124.562		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 - GREELEY TECH CENTER #41-5 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS													
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,068.01	7,150.00	7,146.71	204.02	30.62	88.83	986.87	2,394.59	8,853.00	8,782.63	70.37	125.809	
14,200.00	7,066.85	7,150.00	7,146.71	206.82	30.62	88.83	986.87	2,394.59	8,952.41	8,881.95	70.46	127.053	
14,300.00	7,065.69	7,150.00	7,146.71	209.63	30.62	88.83	986.87	2,394.59	9,051.84	8,981.29	70.56	128.294	
14,400.00	7,064.52	7,150.00	7,146.71	212.44	30.62	88.83	986.87	2,394.59	9,151.28	9,080.63	70.65	129.532	
14,500.00	7,063.36	7,150.00	7,146.71	215.25	30.62	88.83	986.87	2,394.59	9,250.74	9,179.99	70.74	130.767	
14,600.00	7,062.20	7,150.00	7,146.71	218.06	30.62	88.83	986.87	2,394.59	9,350.20	9,279.37	70.84	131.999	
14,700.00	7,061.03	7,150.00	7,146.71	220.87	30.62	88.83	986.87	2,394.59	9,449.68	9,378.75	70.93	133.227	
14,800.00	7,059.87	7,150.00	7,146.71	223.68	30.62	88.83	986.87	2,394.59	9,549.16	9,478.14	71.02	134.452	
14,900.00	7,058.71	7,150.00	7,146.71	226.49	30.62	88.83	986.87	2,394.59	9,648.66	9,577.54	71.12	135.674	
15,000.00	7,057.54	7,150.00	7,146.71	229.30	30.62	88.83	986.87	2,394.59	9,748.17	9,676.96	71.21	136.892	
15,100.00	7,056.38	7,150.00	7,146.71	232.12	30.62	88.83	986.87	2,394.59	9,847.69	9,776.38	71.30	138.107	
15,200.00	7,055.22	7,150.00	7,146.71	234.93	30.62	88.83	986.87	2,394.59	9,947.21	9,875.82	71.40	139.319	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	94.56	-713.86	8,955.29	8,983.74					
100.00	100.00	72.00	72.00	3.28	3.51	94.56	-713.86	8,955.29	8,983.70	8,976.90	6.80	1,321.667		
200.00	200.00	172.00	172.00	3.34	5.38	94.56	-713.86	8,955.29	8,983.70	8,974.98	8.71	1,031.105		
300.00	300.00	272.00	272.00	3.44	8.42	94.56	-713.86	8,955.29	8,983.70	8,971.83	11.86	757.450		
400.00	399.98	371.98	371.98	3.60	11.71	3.06	-713.86	8,955.29	8,981.95	8,966.64	15.31	586.714		
500.00	499.84	471.84	471.84	3.80	15.09	3.07	-713.86	8,955.29	8,976.73	8,957.84	18.89	475.318		
600.00	599.45	571.45	571.45	4.04	18.50	3.08	-713.86	8,955.29	8,968.02	8,945.49	22.53	397.960		
682.50	681.36	653.36	653.36	4.26	21.32	3.09	-713.86	8,955.29	8,958.23	8,932.65	25.58	350.208		
700.00	698.71	670.71	670.71	4.32	21.92	3.09	-713.86	8,955.29	8,955.91	8,929.68	26.23	341.432		
800.00	797.82	769.82	769.82	4.62	25.34	3.10	-713.86	8,955.29	8,942.62	8,912.66	29.95	298.577		
900.00	896.93	868.93	868.93	4.95	28.78	3.10	-713.86	8,955.29	8,929.32	8,895.62	33.70	264.944		
1,000.00	996.04	968.04	968.04	5.30	32.22	3.11	-713.86	8,955.29	8,916.03	8,878.55	37.48	237.891		
1,100.00	1,095.15	1,067.15	1,067.15	5.67	35.66	3.11	-713.86	8,955.29	8,902.74	8,861.46	41.28	215.688		
1,200.00	1,194.26	1,166.26	1,166.26	6.05	39.11	3.12	-713.86	8,955.29	8,889.44	8,844.36	45.09	197.156		
1,300.00	1,293.37	1,265.37	1,265.37	6.45	42.56	3.12	-713.86	8,955.29	8,876.15	8,827.24	48.91	181.466		
1,400.00	1,392.48	1,364.48	1,364.48	6.85	46.01	3.13	-713.86	8,955.29	8,862.86	8,810.11	52.75	168.018		
1,500.00	1,491.59	1,463.59	1,463.59	7.26	49.46	3.13	-713.86	8,955.29	8,849.57	8,792.97	56.59	156.368		
1,600.00	1,590.70	1,562.70	1,562.70	7.68	52.91	3.14	-713.86	8,955.29	8,836.27	8,775.83	60.45	146.183		
1,700.00	1,689.81	1,661.81	1,661.81	8.10	56.36	3.14	-713.86	8,955.29	8,822.98	8,758.68	64.31	137.205		
1,800.00	1,788.92	1,760.92	1,760.92	8.53	59.82	3.15	-713.86	8,955.29	8,809.69	8,741.52	68.17	129.233		
1,900.00	1,888.03	1,860.03	1,860.03	8.96	63.27	3.15	-713.86	8,955.29	8,796.40	8,724.36	72.04	122.109		
2,000.00	1,987.14	1,959.14	1,959.14	9.39	66.73	3.16	-713.86	8,955.29	8,783.10	8,707.19	75.91	115.705		
2,100.00	2,086.25	2,058.25	2,058.25	9.83	70.18	3.16	-713.86	8,955.29	8,769.81	8,690.03	79.79	109.918		
2,200.00	2,185.36	2,157.36	2,157.36	10.27	73.64	3.17	-713.86	8,955.29	8,756.52	8,672.85	83.66	104.663		
2,300.00	2,284.47	2,256.47	2,256.47	10.71	77.10	3.17	-713.86	8,955.29	8,743.23	8,655.68	87.55	99.871		
2,400.00	2,383.58	2,355.58	2,355.58	11.15	80.55	3.17	-713.86	8,955.29	8,729.93	8,638.51	91.43	95.483		
2,500.00	2,482.69	2,454.69	2,454.69	11.60	84.01	3.18	-713.86	8,955.29	8,716.64	8,621.33	95.31	91.451		
2,600.00	2,581.80	2,553.80	2,553.80	12.05	87.47	3.18	-713.86	8,955.29	8,703.35	8,604.15	99.20	87.734		
2,700.00	2,680.91	2,652.91	2,652.91	12.50	90.93	3.19	-713.86	8,955.29	8,690.06	8,586.97	103.09	84.295		
2,800.00	2,780.02	2,752.02	2,752.02	12.95	94.38	3.19	-713.86	8,955.29	8,676.77	8,569.79	106.98	81.105		
2,900.00	2,879.13	2,851.13	2,851.13	13.40	97.84	3.20	-713.86	8,955.29	8,663.47	8,552.60	110.87	78.139		
3,000.00	2,978.24	2,950.24	2,950.24	13.85	101.30	3.20	-713.86	8,955.29	8,650.18	8,535.42	114.77	75.372		
3,100.00	3,077.35	3,049.35	3,049.35	14.30	104.76	3.21	-713.86	8,955.29	8,636.89	8,518.23	118.66	72.787		
3,200.00	3,176.46	3,148.46	3,148.46	14.76	108.22	3.21	-713.86	8,955.29	8,623.60	8,501.04	122.56	70.365		
3,300.00	3,275.57	3,247.57	3,247.57	15.21	111.68	3.22	-713.86	8,955.29	8,610.31	8,483.86	126.45	68.092		
3,400.00	3,374.68	3,346.68	3,346.68	15.67	115.13	3.22	-713.86	8,955.29	8,597.02	8,466.67	130.35	65.954		
3,500.00	3,473.79	3,445.79	3,445.79	16.12	118.59	3.23	-713.86	8,955.29	8,583.73	8,449.48	134.25	63.941		
3,600.00	3,572.90	3,544.90	3,544.90	16.58	122.05	3.23	-713.86	8,955.29	8,570.43	8,432.29	138.14	62.040		
3,700.00	3,672.01	3,644.01	3,644.01	17.04	125.51	3.24	-713.86	8,955.29	8,557.14	8,415.10	142.04	60.244		
3,800.00	3,771.12	3,743.12	3,743.12	17.50	128.97	3.24	-713.86	8,955.29	8,543.85	8,397.91	145.94	58.543		
3,900.00	3,870.23	3,842.23	3,842.23	17.95	132.43	3.25	-713.86	8,955.29	8,530.56	8,380.72	149.84	56.931		
4,000.00	3,969.34	3,941.34	3,941.34	18.41	135.89	3.25	-713.86	8,955.29	8,517.27	8,363.53	153.74	55.400		
4,100.00	4,068.45	4,040.45	4,040.45	18.87	139.35	3.26	-713.86	8,955.29	8,503.98	8,346.34	157.64	53.945		
4,200.00	4,167.56	4,139.56	4,139.56	19.33	142.80	3.26	-713.86	8,955.29	8,490.69	8,329.14	161.54	52.560		
4,300.00	4,266.67	4,238.67	4,238.67	19.79	146.26	3.27	-713.86	8,955.29	8,477.40	8,311.95	165.45	51.240		
4,400.00	4,365.78	4,337.78	4,337.78	20.25	149.72	3.27	-713.86	8,955.29	8,464.11	8,294.76	169.35	49.981		
4,500.00	4,464.89	4,436.89	4,436.89	20.71	153.18	3.28	-713.86	8,955.29	8,450.82	8,277.57	173.25	48.778		
4,600.00	4,564.00	4,536.00	4,536.00	21.17	156.64	3.28	-713.86	8,955.29	8,437.52	8,260.37	177.15	47.629		
4,700.00	4,663.11	4,635.11	4,635.11	21.63	160.10	3.29	-713.86	8,955.29	8,424.23	8,243.18	181.06	46.529		
4,800.00	4,762.22	4,734.22	4,734.22	22.09	163.56	3.30	-713.86	8,955.29	8,410.94	8,225.98	184.96	45.475		
4,900.00	4,861.33	4,833.33	4,833.33	22.56	167.02	3.30	-713.86	8,955.29	8,397.65	8,208.79	188.86	44.465		
5,000.00	4,960.44	4,932.44	4,932.44	23.02	170.48	3.31	-713.86	8,955.29	8,384.36	8,191.60	192.77	43.495		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,031.55	5,031.55	23.48	173.94	3.31	-713.86	8,955.29	8,371.07	8,174.40	196.67	42.564		
5,200.00	5,158.66	5,130.66	5,130.66	23.94	177.40	3.32	-713.86	8,955.29	8,357.78	8,157.21	200.57	41.669		
5,300.00	5,257.77	5,229.77	5,229.77	24.40	180.86	3.32	-713.86	8,955.29	8,344.49	8,140.01	204.48	40.809		
5,400.00	5,356.88	5,328.88	5,328.88	24.87	184.32	3.33	-713.86	8,955.29	8,331.20	8,122.82	208.38	39.980		
5,500.00	5,455.99	5,427.99	5,427.99	25.33	187.77	3.33	-713.86	8,955.29	8,317.91	8,105.62	212.29	39.182		
5,600.00	5,555.10	5,527.10	5,527.10	25.79	191.23	3.34	-713.86	8,955.29	8,304.62	8,088.43	216.19	38.413		
5,700.00	5,654.21	5,626.21	5,626.21	26.25	194.69	3.34	-713.86	8,955.29	8,291.33	8,071.23	220.10	37.671		
5,800.00	5,753.32	5,725.32	5,725.32	26.72	198.15	3.35	-713.86	8,955.29	8,278.04	8,054.04	224.00	36.955		
5,900.00	5,852.43	5,824.43	5,824.43	27.18	201.61	3.35	-713.86	8,955.29	8,264.75	8,036.84	227.91	36.263		
6,000.00	5,951.54	5,923.54	5,923.54	27.64	205.07	3.36	-713.86	8,955.29	8,251.46	8,019.65	231.81	35.595		
6,100.00	6,050.65	6,022.65	6,022.65	28.11	208.53	3.36	-713.86	8,955.29	8,238.17	8,002.45	235.72	34.949		
6,200.00	6,149.76	6,121.76	6,121.76	28.57	211.99	3.37	-713.86	8,955.29	8,224.88	7,985.26	239.63	34.324		
6,300.00	6,248.87	6,220.87	6,220.87	29.03	215.45	3.38	-713.86	8,955.29	8,211.59	7,968.06	243.53	33.719		
6,400.00	6,347.98	6,319.98	6,319.98	29.50	218.91	3.38	-713.86	8,955.29	8,198.30	7,950.87	247.44	33.133		
6,475.54	6,422.84	6,405.16	6,394.84	29.85	221.88	3.39	-713.86	8,955.29	8,188.27	7,937.52	250.75	32.655		
6,500.00	6,447.14	6,419.14	6,419.14	29.96	222.37	1.99	-713.86	8,955.29	8,185.48	7,934.13	251.35	32.567		
6,550.00	6,497.05	6,469.05	6,469.05	30.17	224.11	-19.11	-713.86	8,955.29	8,182.67	7,929.37	253.30	32.304		
6,560.98	6,508.03	6,480.03	6,480.03	30.22	224.50	-90.00	-713.86	8,955.29	8,182.58	7,928.85	253.73	32.249 CC		
6,600.00	6,547.02	6,519.02	6,519.02	30.37	225.86	-166.02	-713.86	8,955.29	8,183.77	7,928.52	255.24	32.063 ES		
6,650.00	6,596.75	6,568.75	6,568.75	30.55	227.59	-170.00	-713.86	8,955.29	8,188.75	7,931.59	257.16	31.844		
6,700.00	6,645.93	6,617.93	6,617.93	30.74	229.31	-171.05	-713.86	8,955.29	8,197.60	7,938.56	259.04	31.646		
6,750.00	6,694.25	6,666.25	6,666.25	30.93	231.00	-171.46	-713.86	8,955.29	8,210.25	7,949.37	260.88	31.472		
6,800.00	6,741.43	6,713.43	6,713.43	31.12	232.64	-171.60	-713.86	8,955.29	8,226.62	7,963.96	262.66	31.320		
6,850.00	6,787.16	6,759.16	6,759.16	31.32	234.24	-171.57	-713.86	8,955.29	8,246.63	7,982.25	264.38	31.192		
6,900.00	6,831.16	6,803.16	6,803.16	31.52	235.78	-171.42	-713.86	8,955.29	8,270.14	8,004.11	266.03	31.088		
6,950.00	6,873.17	6,845.17	6,845.17	31.74	237.24	-171.16	-713.86	8,955.29	8,297.01	8,029.42	267.59	31.007		
7,000.00	6,912.92	6,884.92	6,884.92	31.96	238.63	-170.78	-713.86	8,955.29	8,327.07	8,058.02	269.06	30.949		
7,050.00	6,950.18	6,922.18	6,922.18	32.21	239.93	-170.27	-713.86	8,955.29	8,360.15	8,089.73	270.42	30.915		
7,100.00	6,984.70	6,956.70	6,956.70	32.48	241.14	-169.59	-713.86	8,955.29	8,396.03	8,124.35	271.68	30.904 SF		
7,150.00	7,016.29	6,988.29	6,988.29	32.77	242.24	-168.71	-713.86	8,955.29	8,434.50	8,161.67	272.83	30.915		
7,200.00	7,044.73	7,016.73	7,016.73	33.10	243.23	-167.55	-713.86	8,955.29	8,475.32	8,201.46	273.86	30.948		
7,250.00	7,069.86	7,041.86	7,041.86	33.46	244.11	-165.98	-713.86	8,955.29	8,518.23	8,243.47	274.76	31.003		
7,300.00	7,091.53	7,063.53	7,063.53	33.86	244.86	-163.80	-713.86	8,955.29	8,562.98	8,287.45	275.53	31.078		
7,350.00	7,109.59	7,081.59	7,081.59	34.30	245.50	-160.61	-713.86	8,955.29	8,609.28	8,333.11	276.17	31.174		
7,400.00	7,123.94	7,104.06	7,095.94	34.78	246.28	-155.64	-713.86	8,955.29	8,656.86	8,379.89	276.96	31.256		
7,450.00	7,134.49	7,106.49	7,106.49	35.29	246.36	-147.10	-713.86	8,955.29	8,705.41	8,428.36	277.05	31.422		
7,500.00	7,141.18	7,113.18	7,113.18	35.84	246.60	-130.65	-713.86	8,955.29	8,754.65	8,477.36	277.29	31.572		
7,550.00	7,143.95	7,115.95	7,115.95	36.42	246.69	-98.51	-713.86	8,955.29	8,804.26	8,526.87	277.39	31.739		
7,567.79	7,144.00	7,116.00	7,116.00	36.63	246.70	-83.89	-713.86	8,955.29	8,821.95	8,544.55	277.40	31.802		
7,600.00	7,143.62	7,115.62	7,115.62	37.03	246.68	-83.87	-713.86	8,955.29	8,853.97	8,576.57	277.39	31.918		
7,700.00	7,142.46	7,114.46	7,114.46	38.38	246.64	-83.80	-713.86	8,955.29	8,953.39	8,676.01	277.37	32.279		
7,800.00	7,141.29	7,113.29	7,113.29	39.88	246.60	-83.73	-713.86	8,955.29	9,052.82	8,775.46	277.36	32.639		
7,900.00	7,140.13	7,112.13	7,112.13	41.53	246.56	-83.66	-713.86	8,955.29	9,152.26	8,874.92	277.35	32.999		
8,000.00	7,138.97	7,110.97	7,110.97	43.30	246.52	-83.59	-713.86	8,955.29	9,251.72	8,974.38	277.34	33.359		
8,100.00	7,137.80	7,109.80	7,109.80	45.18	246.48	-83.52	-713.86	8,955.29	9,351.19	9,073.85	277.33	33.718		
8,200.00	7,136.64	7,108.64	7,108.64	47.16	246.44	-83.45	-713.86	8,955.29	9,450.66	9,173.34	277.33	34.078		
8,300.00	7,135.48	7,107.48	7,107.48	49.22	246.40	-83.38	-713.86	8,955.29	9,550.15	9,272.83	277.33	34.436		
8,400.00	7,134.32	7,106.32	7,106.32	51.36	246.36	-83.31	-713.86	8,955.29	9,649.65	9,372.32	277.33	34.795		
8,500.00	7,133.15	7,105.15	7,105.15	53.56	246.32	-83.24	-713.86	8,955.29	9,749.16	9,471.83	277.33	35.153		
8,600.00	7,131.99	7,103.99	7,103.99	55.82	246.28	-83.17	-713.86	8,955.29	9,848.68	9,571.34	277.34	35.511		
8,700.00	7,130.83	7,102.83	7,102.83	58.13	246.24	-83.11	-713.86	8,955.29	9,948.21	9,670.87	277.35	35.869		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
2,800.00	2,780.02	2,736.02	2,736.02	12.95	93.83	-5.76	725.64	10,271.44	9,991.14	9,884.69	106.45	93.860		
2,900.00	2,879.13	2,835.13	2,835.13	13.40	97.28	-5.77	725.64	10,271.44	9,977.89	9,867.55	110.34	90.428		
3,000.00	2,978.24	2,934.24	2,934.24	13.85	100.74	-5.78	725.64	10,271.44	9,964.65	9,850.41	114.23	87.229		
3,100.00	3,077.35	3,033.35	3,033.35	14.30	104.20	-5.79	725.64	10,271.44	9,951.40	9,833.27	118.13	84.241		
3,200.00	3,176.46	3,132.46	3,132.46	14.76	107.66	-5.79	725.64	10,271.44	9,938.15	9,816.13	122.03	81.443		
3,300.00	3,275.57	3,231.57	3,231.57	15.21	111.12	-5.80	725.64	10,271.44	9,924.91	9,798.99	125.92	78.817		
3,400.00	3,374.68	3,330.68	3,330.68	15.67	114.58	-5.81	725.64	10,271.44	9,911.66	9,781.84	129.82	76.348		
3,500.00	3,473.79	3,429.79	3,429.79	16.12	118.03	-5.82	725.64	10,271.44	9,898.42	9,764.70	133.72	74.023		
3,600.00	3,572.90	3,528.90	3,528.90	16.58	121.49	-5.82	725.64	10,271.44	9,885.18	9,747.56	137.62	71.830		
3,700.00	3,672.01	3,628.01	3,628.01	17.04	124.95	-5.83	725.64	10,271.44	9,871.93	9,730.41	141.52	69.757		
3,800.00	3,771.12	3,727.12	3,727.12	17.50	128.41	-5.84	725.64	10,271.44	9,858.69	9,713.27	145.42	67.794		
3,900.00	3,870.23	3,826.23	3,826.23	17.95	131.87	-5.85	725.64	10,271.44	9,845.44	9,696.12	149.32	65.935		
4,000.00	3,969.34	3,925.34	3,925.34	18.41	135.33	-5.86	725.64	10,271.44	9,832.20	9,678.98	153.22	64.169		
4,100.00	4,068.45	4,024.45	4,024.45	18.87	138.79	-5.86	725.64	10,271.44	9,818.95	9,661.83	157.13	62.491		
4,200.00	4,167.56	4,123.56	4,123.56	19.33	142.25	-5.87	725.64	10,271.44	9,805.71	9,644.68	161.03	60.895		
4,300.00	4,266.67	4,222.67	4,222.67	19.79	145.71	-5.88	725.64	10,271.44	9,792.47	9,627.54	164.93	59.373		
4,400.00	4,365.78	4,321.78	4,321.78	20.25	149.16	-5.89	725.64	10,271.44	9,779.22	9,610.39	168.83	57.922		
4,500.00	4,464.89	4,420.89	4,420.89	20.71	152.62	-5.90	725.64	10,271.44	9,765.98	9,593.24	172.74	56.537		
4,600.00	4,564.00	4,520.00	4,520.00	21.17	156.08	-5.90	725.64	10,271.44	9,752.74	9,576.10	176.64	55.212		
4,700.00	4,663.11	4,619.11	4,619.11	21.63	159.54	-5.91	725.64	10,271.44	9,739.50	9,558.95	180.55	53.945		
4,800.00	4,762.22	4,718.22	4,718.22	22.09	163.00	-5.92	725.64	10,271.44	9,726.25	9,541.80	184.45	52.731		
4,900.00	4,861.33	4,817.33	4,817.33	22.56	166.46	-5.93	725.64	10,271.44	9,713.01	9,524.66	188.36	51.568		
5,000.00	4,960.44	4,916.44	4,916.44	23.02	169.92	-5.94	725.64	10,271.44	9,699.77	9,507.51	192.26	50.451		
5,100.00	5,059.55	5,015.55	5,015.55	23.48	173.38	-5.94	725.64	10,271.44	9,686.53	9,490.36	196.17	49.379		
5,200.00	5,158.66	5,114.66	5,114.66	23.94	176.84	-5.95	725.64	10,271.44	9,673.28	9,473.21	200.07	48.349		
5,300.00	5,257.77	5,213.77	5,213.77	24.40	180.30	-5.96	725.64	10,271.44	9,660.04	9,456.07	203.98	47.359		
5,400.00	5,356.88	5,312.88	5,312.88	24.87	183.76	-5.97	725.64	10,271.44	9,646.80	9,438.92	207.88	46.405		
5,500.00	5,455.99	5,411.99	5,411.99	25.33	187.22	-5.98	725.64	10,271.44	9,633.56	9,421.77	211.79	45.487		
5,600.00	5,555.10	5,511.10	5,511.10	25.79	190.68	-5.99	725.64	10,271.44	9,620.32	9,404.62	215.70	44.601		
5,700.00	5,654.21	5,610.21	5,610.21	26.25	194.13	-5.99	725.64	10,271.44	9,607.08	9,387.48	219.60	43.748		
5,800.00	5,753.32	5,709.32	5,709.32	26.72	197.59	-6.00	725.64	10,271.44	9,593.84	9,370.33	223.51	42.924		
5,900.00	5,852.43	5,808.43	5,808.43	27.18	201.05	-6.01	725.64	10,271.44	9,580.60	9,353.18	227.42	42.128		
6,000.00	5,951.54	5,907.54	5,907.54	27.64	204.51	-6.02	725.64	10,271.44	9,567.36	9,336.04	231.32	41.359		
6,100.00	6,050.65	6,006.65	6,006.65	28.11	207.97	-6.03	725.64	10,271.44	9,554.12	9,318.89	235.23	40.616		
6,200.00	6,149.76	6,105.76	6,105.76	28.57	211.43	-6.04	725.64	10,271.44	9,540.88	9,301.74	239.14	39.897		
6,300.00	6,248.87	6,204.87	6,204.87	29.03	214.89	-6.04	725.64	10,271.44	9,527.64	9,284.59	243.04	39.201		
6,400.00	6,347.98	6,303.98	6,303.98	29.50	218.35	-6.05	725.64	10,271.44	9,514.40	9,267.45	246.95	38.527		
6,475.54	6,422.84	6,378.84	6,378.84	29.85	220.96	-6.06	725.64	10,271.44	9,504.40	9,254.50	249.90	38.032		
6,500.00	6,447.14	6,403.14	6,403.14	29.96	221.81	-7.41	725.64	10,271.44	9,501.63	9,250.77	250.86	37.876		
6,550.00	6,497.05	6,453.05	6,453.05	30.17	223.56	-28.47	725.64	10,271.44	9,498.87	9,246.05	252.82	37.572		
6,560.16	6,507.21	6,463.21	6,463.21	30.21	223.91	-90.00	725.64	10,271.44	9,498.79	9,245.58	253.21	37.513 CC		
6,600.00	6,547.02	6,503.02	6,503.02	30.37	225.30	-175.41	725.64	10,271.44	9,500.03	9,245.28	254.76	37.290 ES		
6,650.00	6,596.75	6,552.75	6,552.75	30.55	227.04	-179.45	725.64	10,271.44	9,505.11	9,248.44	256.67	37.032		
6,700.00	6,645.93	6,601.93	6,601.93	30.74	228.75	179.37	725.64	10,271.44	9,514.07	9,255.52	258.55	36.798		
6,750.00	6,694.25	6,650.25	6,650.25	30.93	230.44	178.78	725.64	10,271.44	9,526.86	9,266.47	260.39	36.587		
6,800.00	6,741.43	6,702.57	6,697.43	31.12	232.26	178.40	725.64	10,271.44	9,543.39	9,281.04	262.35	36.376		
6,850.00	6,787.16	6,743.16	6,743.16	31.32	233.68	178.10	725.64	10,271.44	9,563.57	9,299.68	263.89	36.240		
6,900.00	6,831.16	6,787.16	6,787.16	31.52	235.22	177.84	725.64	10,271.44	9,587.27	9,321.73	265.54	36.105		
6,950.00	6,873.17	6,829.17	6,829.17	31.74	236.68	177.58	725.64	10,271.44	9,614.35	9,347.25	267.10	35.995		
7,000.00	6,912.92	6,868.92	6,868.92	31.96	238.07	177.32	725.64	10,271.44	9,644.63	9,376.06	268.57	35.911		
7,050.00	6,950.18	6,906.18	6,906.18	32.21	239.37	177.02	725.64	10,271.44	9,677.94	9,408.00	269.94	35.853		
7,100.00	6,984.70	6,940.70	6,940.70	32.48	240.58	176.67	725.64	10,271.44	9,714.06	9,442.87	271.20	35.819		

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 33C-6-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 33C-6-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 - KELLY #2-3 - OH - OH				Offset Site Error:		0.00 ft
Survey Program:										100-2" Cone@2.448 Sigma				Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
7,150.00	7,016.29	6,972.29	6,972.29	32.77	241.68	176.25	725.64	10,271.44	9,752.78	9,480.44	272.34	35.811 SF				
7,200.00	7,044.73	7,000.73	7,000.73	33.10	242.67	175.72	725.64	10,271.44	9,793.85	9,520.49	273.37	35.827				
7,250.00	7,069.86	7,025.86	7,025.86	33.46	243.55	175.03	725.64	10,271.44	9,837.03	9,562.76	274.27	35.867				
7,300.00	7,091.53	7,047.53	7,047.53	33.86	244.31	174.07	725.64	10,271.44	9,882.04	9,607.00	275.04	35.930				
7,350.00	7,109.59	7,065.59	7,065.59	34.30	244.94	172.65	725.64	10,271.44	9,928.61	9,652.93	275.67	36.016				
7,400.00	7,123.94	7,079.94	7,079.94	34.78	245.44	170.36	725.64	10,271.44	9,976.45	9,700.27	276.18	36.123				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	96.77	-627.12	5,286.19	5,323.31					
100.00	100.00	95.97	95.97	3.28	3.29	96.77	-627.33	5,285.99	5,323.12	5,316.55	6.57	810.027		
200.00	200.00	231.53	231.52	3.34	3.34	96.78	-627.97	5,284.92	5,322.38	5,315.70	6.68	796.696		
300.00	300.00	314.57	314.56	3.44	3.43	96.78	-628.37	5,284.17	5,321.53	5,314.66	6.88	773.828		
400.00	399.98	445.78	445.76	3.60	3.64	5.30	-628.98	5,282.99	5,319.00	5,311.76	7.24	734.278		
500.00	499.84	560.67	560.64	3.80	3.89	5.32	-629.18	5,281.28	5,312.34	5,304.65	7.69	690.920		
600.00	599.45	627.66	627.62	4.04	4.05	5.35	-629.48	5,280.45	5,302.46	5,294.37	8.09	655.254		
682.50	681.36	697.37	697.33	4.26	4.24	5.38	-629.99	5,279.81	5,292.02	5,283.51	8.50	622.365		
700.00	698.71	712.63	712.59	4.32	4.28	5.39	-630.10	5,279.68	5,289.57	5,280.97	8.60	615.211		
800.00	797.82	793.01	792.96	4.62	4.52	5.40	-630.56	5,279.19	5,275.79	5,266.66	9.13	578.141		
900.00	896.93	888.29	888.24	4.95	4.81	5.41	-630.10	5,279.02	5,262.30	5,252.56	9.73	540.716		
1,000.00	996.04	972.41	972.32	5.30	5.07	5.40	-627.62	5,279.14	5,248.84	5,238.51	10.33	508.087		
1,100.00	1,095.15	1,094.16	1,093.85	5.67	5.47	5.33	-620.38	5,280.04	5,235.67	5,224.59	11.08	472.573		
1,200.00	1,194.26	1,525.19	1,522.77	6.05	7.08	4.97	-581.18	5,269.51	5,219.26	5,206.23	13.03	400.573		
1,300.00	1,293.37	1,645.34	1,642.49	6.45	7.56	4.92	-574.25	5,262.12	5,199.37	5,185.50	13.87	374.758		
1,400.00	1,392.48	1,700.62	1,697.56	6.85	7.79	4.89	-570.82	5,258.66	5,179.35	5,164.87	14.48	357.682		
1,500.00	1,491.59	1,753.00	1,749.81	7.26	8.00	4.87	-568.46	5,255.91	5,160.37	5,145.28	15.09	342.062		
1,600.00	1,590.70	1,794.49	1,791.23	7.68	8.17	4.86	-566.74	5,254.14	5,142.34	5,126.68	15.66	328.419		
1,700.00	1,689.81	1,847.84	1,844.47	8.10	8.39	4.84	-563.87	5,252.37	5,125.23	5,108.94	16.28	314.752		
1,800.00	1,788.92	1,954.57	1,951.00	8.53	8.83	4.79	-558.29	5,249.10	5,108.37	5,091.24	17.13	298.279		
1,900.00	1,888.03	2,029.00	2,025.34	8.96	9.14	4.77	-555.25	5,246.91	5,091.77	5,073.93	17.85	285.298		
2,000.00	1,987.14	2,121.00	2,117.24	9.39	9.52	4.75	-552.10	5,244.19	5,075.25	5,056.61	18.64	272.253		
2,100.00	2,086.25	2,184.34	2,180.54	9.83	9.79	4.74	-550.56	5,242.50	5,059.18	5,039.86	19.33	261.773		
2,200.00	2,185.36	2,246.55	2,242.74	10.27	10.04	4.74	-549.83	5,241.42	5,044.04	5,024.03	20.01	252.073		
2,300.00	2,284.47	2,338.38	2,334.55	10.71	10.42	4.74	-548.36	5,240.28	5,029.37	5,008.56	20.81	241.646		
2,400.00	2,383.58	2,499.02	2,495.13	11.15	11.09	4.73	-545.35	5,237.38	5,014.17	4,992.28	21.89	229.054		
2,500.00	2,482.69	2,582.00	2,578.07	11.60	11.44	4.72	-543.89	5,235.38	4,998.35	4,975.68	22.67	220.499		
2,600.00	2,581.80	2,636.24	2,632.30	12.05	11.66	4.73	-543.65	5,234.29	4,983.12	4,959.79	23.33	213.600		
2,700.00	2,680.91	2,674.00	2,670.05	12.50	11.81	4.74	-544.06	5,233.84	4,968.92	4,944.99	23.93	207.662		
2,800.00	2,780.02	2,716.37	2,712.42	12.95	11.98	4.75	-544.68	5,233.81	4,955.88	4,931.34	24.54	201.969		
2,900.00	2,879.13	2,766.00	2,762.04	13.40	12.17	4.76	-545.13	5,234.68	4,944.22	4,919.04	25.17	196.396		
3,000.00	2,978.24	2,840.98	2,836.99	13.85	12.46	4.78	-545.56	5,236.58	4,933.41	4,907.50	25.91	190.436		
3,100.00	3,077.35	2,950.59	2,946.57	14.30	12.89	4.79	-546.24	5,238.99	4,922.37	4,895.60	26.77	183.872		
3,200.00	3,176.46	3,101.36	3,097.32	14.76	13.48	4.83	-547.41	5,241.30	4,910.67	4,882.88	27.79	176.675		
3,300.00	3,275.57	3,207.70	3,203.65	15.21	13.90	4.85	-548.36	5,242.29	4,898.42	4,869.76	28.66	170.943		
3,400.00	3,374.68	3,324.66	3,320.60	15.67	14.37	4.87	-549.04	5,243.19	4,885.98	4,856.42	29.56	165.294		
3,500.00	3,473.79	3,401.69	3,397.63	16.12	14.69	4.88	-548.73	5,243.97	4,873.64	4,843.32	30.32	160.745		
3,600.00	3,572.90	3,510.87	3,506.78	16.58	15.14	4.87	-546.79	5,245.42	4,861.51	4,830.30	31.21	155.765		
3,700.00	3,672.01	3,648.11	3,643.98	17.04	15.72	4.85	-543.53	5,246.11	4,848.38	4,816.17	32.22	150.488		
3,800.00	3,771.12	3,803.17	3,799.03	17.50	16.37	4.85	-542.22	5,245.48	4,834.61	4,801.33	33.29	145.232		
3,900.00	3,870.23	3,869.94	3,865.79	17.95	16.65	4.86	-542.25	5,244.80	4,820.44	4,786.42	34.02	141.689		
4,000.00	3,969.34	3,908.77	3,904.62	18.41	16.81	4.87	-542.66	5,244.85	4,807.42	4,772.77	34.64	138.764		
4,100.00	4,068.45	3,971.43	3,967.27	18.87	17.06	4.90	-543.96	5,245.65	4,795.54	4,760.19	35.35	135.644		
4,200.00	4,167.56	4,059.89	4,055.70	19.33	17.42	4.93	-545.91	5,246.91	4,783.94	4,747.78	36.16	132.302		
4,300.00	4,266.67	4,134.49	4,130.26	19.79	17.72	4.96	-547.40	5,248.33	4,772.77	4,735.86	36.91	129.297		
4,400.00	4,365.78	4,354.86	4,350.59	20.25	18.63	5.01	-549.44	5,250.95	4,761.01	4,722.78	38.23	124.544		
4,500.00	4,464.89	4,480.10	4,475.83	20.71	19.16	5.03	-549.85	5,250.41	4,747.37	4,708.19	39.18	121.158		
4,600.00	4,564.00	4,584.71	4,580.44	21.17	19.60	5.05	-549.92	5,249.68	4,733.43	4,693.36	40.07	118.139		
4,700.00	4,663.11	4,712.98	4,708.70	21.63	20.15	5.06	-549.44	5,248.23	4,719.01	4,677.98	41.04	114.991		
4,800.00	4,762.22	4,786.92	4,782.63	22.09	20.46	5.07	-549.22	5,247.28	4,704.48	4,662.67	41.81	112.520		
4,900.00	4,861.33	4,861.67	4,857.38	22.56	20.78	5.08	-549.32	5,246.84	4,690.64	4,648.05	42.59	110.148		
5,000.00	4,960.44	4,959.42	4,955.13	23.02	21.19	5.10	-549.43	5,246.47	4,677.01	4,633.57	43.44	107.654		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,059.09	5,054.80	23.48	21.61	5.12	-549.89	5,246.01	4,663.36	4,619.04	44.31	105.243		
5,200.00	5,158.66	5,185.16	5,180.86	23.94	22.14	5.15	-550.75	5,245.15	4,649.52	4,604.25	45.27	102.702		
5,300.00	5,257.77	5,278.69	5,274.38	24.40	22.54	5.18	-551.87	5,244.18	4,635.38	4,589.26	46.12	100.516		
5,400.00	5,356.88	5,379.74	5,375.42	24.87	22.97	5.22	-553.33	5,243.11	4,621.24	4,574.25	46.99	98.352		
5,500.00	5,455.99	5,489.11	5,484.77	25.33	23.43	5.23	-552.78	5,242.17	4,607.09	4,559.20	47.89	96.203		
5,600.00	5,555.10	5,602.04	5,597.69	25.79	23.91	5.26	-553.87	5,240.47	4,592.45	4,543.65	48.80	94.099		
5,700.00	5,654.21	5,664.53	5,660.14	26.25	24.17	5.29	-555.56	5,239.53	4,578.08	4,528.54	49.54	92.414		
5,800.00	5,753.32	5,717.00	5,712.60	26.72	24.39	5.31	-556.59	5,239.36	4,564.72	4,514.49	50.23	90.869		
5,900.00	5,852.43	5,834.77	5,830.36	27.18	24.89	5.36	-558.70	5,239.32	4,551.64	4,500.47	51.16	88.962		
6,000.00	5,951.54	5,922.55	5,918.11	27.64	25.26	5.40	-560.58	5,239.08	4,538.38	4,486.39	51.99	87.299		
6,100.00	6,050.65	5,995.18	5,990.74	28.11	25.56	5.41	-560.65	5,239.54	4,525.73	4,472.97	52.75	85.790		
6,200.00	6,149.76	6,144.30	6,139.85	28.57	26.19	5.44	-561.42	5,239.46	4,512.36	4,458.56	53.80	83.874		
6,300.00	6,248.87	6,235.20	6,230.74	29.03	26.58	5.47	-562.55	5,239.12	4,498.89	4,444.25	54.64	82.343		
6,400.00	6,347.98	6,283.62	6,279.16	29.50	26.78	5.48	-562.43	5,239.27	4,486.00	4,430.68	55.32	81.094		
6,475.54	6,422.84	6,312.63	6,308.16	29.85	26.90	5.48	-562.35	5,239.73	4,477.14	4,421.34	55.80	80.233		
6,500.00	6,447.14	6,342.00	6,337.53	29.96	27.02	4.09	-562.29	5,240.49	4,475.01	4,418.98	56.03	79.867		
6,542.57	6,489.63	6,342.00	6,337.53	30.14	27.02	-6.93	-562.29	5,240.49	4,473.40	4,417.17	56.23	79.553 CC, ES		
6,550.00	6,497.05	6,342.00	6,337.53	30.17	27.02	-17.00	-562.29	5,240.49	4,473.45	4,417.18	56.27	79.504		
6,600.00	6,547.02	6,342.00	6,337.53	30.37	27.02	-163.89	-562.29	5,240.49	4,476.33	4,419.85	56.48	79.259		
6,650.00	6,596.75	6,342.00	6,337.53	30.55	27.02	-167.80	-562.29	5,240.49	4,483.61	4,426.95	56.66	79.130		
6,700.00	6,645.93	6,379.85	6,375.34	30.74	27.18	-168.80	-561.97	5,242.17	4,494.62	4,437.64	56.98	78.875		
6,750.00	6,694.25	6,392.06	6,387.52	30.93	27.23	-169.12	-561.76	5,242.92	4,510.03	4,452.84	57.19	78.867		
6,800.00	6,741.43	6,431.00	6,426.33	31.12	27.39	-169.17	-560.77	5,245.99	4,529.74	4,472.26	57.48	78.801 SF		
6,850.00	6,787.16	6,431.00	6,426.33	31.32	27.39	-168.98	-560.77	5,245.99	4,552.76	4,495.17	57.60	79.045		
6,900.00	6,831.16	6,431.00	6,426.33	31.52	27.39	-168.61	-560.77	5,245.99	4,579.55	4,521.86	57.69	79.380		
6,950.00	6,873.17	6,431.00	6,426.33	31.74	27.39	-168.07	-560.77	5,245.99	4,609.87	4,552.10	57.77	79.801		
7,000.00	6,912.92	6,431.00	6,426.33	31.96	27.39	-167.32	-560.77	5,245.99	4,643.46	4,585.64	57.82	80.302		
7,050.00	6,950.18	6,431.00	6,426.33	32.21	27.39	-166.34	-560.77	5,245.99	4,680.07	4,622.20	57.87	80.876		
7,100.00	6,984.70	6,431.00	6,426.33	32.48	27.39	-165.03	-560.77	5,245.99	4,719.38	4,661.48	57.90	81.514		
7,150.00	7,016.29	6,468.00	6,463.11	32.77	27.54	-163.50	-559.76	5,249.82	4,760.52	4,702.42	58.10	81.941		
7,200.00	7,044.73	6,473.84	6,468.91	33.10	27.57	-161.21	-559.54	5,250.50	4,804.13	4,745.99	58.14	82.633		
7,250.00	7,069.86	6,478.73	6,473.77	33.46	27.59	-157.96	-559.54	5,251.08	4,849.51	4,791.34	58.17	83.369		
7,300.00	7,091.53	6,482.66	6,477.66	33.86	27.60	-153.12	-559.46	5,251.56	4,896.36	4,838.17	58.19	84.142		
7,350.00	7,109.59	6,485.61	6,480.60	34.30	27.62	-145.42	-559.40	5,251.93	4,944.35	4,886.14	58.21	84.942		
7,400.00	7,123.94	6,487.60	6,482.56	34.78	27.62	-132.21	-559.37	5,252.18	4,993.17	4,934.95	58.22	85.762		
7,450.00	7,134.49	6,520.00	6,514.66	35.29	27.76	-111.37	-558.93	5,256.59	5,042.90	4,984.52	58.39	86.368		
7,500.00	7,141.18	6,520.00	6,514.66	35.84	27.76	-79.50	-558.93	5,256.59	5,092.43	5,034.03	58.40	87.198		
7,550.00	7,143.95	6,487.84	6,482.81	36.42	27.63	-50.70	-559.36	5,252.21	5,141.45	5,083.19	58.26	88.247		
7,567.79	7,144.00	6,487.32	6,482.29	36.63	27.62	-44.16	-559.37	5,252.14	5,158.95	5,100.68	58.27	88.538		
7,600.00	7,143.62	6,486.28	6,481.25	37.03	27.62	-44.12	-559.39	5,252.01	5,190.58	5,132.30	58.28	89.060		
7,700.00	7,142.46	6,483.09	6,478.09	38.38	27.61	-43.99	-559.45	5,251.62	5,288.84	5,230.51	58.33	90.674		
7,800.00	7,141.29	6,479.99	6,475.01	39.88	27.59	-43.87	-559.51	5,251.24	5,387.15	5,328.77	58.38	92.282		
7,900.00	7,140.13	6,476.97	6,472.02	41.53	27.58	-43.75	-559.57	5,250.87	5,485.52	5,427.09	58.43	93.883		
8,000.00	7,138.97	6,474.03	6,469.10	43.30	27.57	-43.64	-559.63	5,250.52	5,583.93	5,525.45	58.48	95.479		
8,100.00	7,137.80	6,471.17	6,466.26	45.18	27.56	-43.52	-559.69	5,250.19	5,682.40	5,623.86	58.54	97.068		
8,200.00	7,136.64	6,468.38	6,463.49	47.16	27.55	-43.42	-559.75	5,249.86	5,780.91	5,722.31	58.60	98.652		
8,300.00	7,135.48	6,465.67	6,460.79	49.22	27.53	-43.31	-559.82	5,249.55	5,879.46	5,820.80	58.66	100.231		
8,400.00	7,134.32	6,431.00	6,426.33	51.36	27.39	-42.01	-560.77	5,245.99	5,978.47	5,919.89	58.58	102.054		
8,500.00	7,133.15	6,431.00	6,426.33	53.56	27.39	-42.01	-560.77	5,245.99	6,077.04	6,018.38	58.66	103.601		
8,600.00	7,131.99	6,431.00	6,426.33	55.82	27.39	-42.01	-560.77	5,245.99	6,175.66	6,116.93	58.74	105.143		
8,700.00	7,130.83	6,431.00	6,426.33	58.13	27.39	-42.01	-560.77	5,245.99	6,274.33	6,215.51	58.81	106.681		
8,800.00	7,129.66	6,431.00	6,426.33	60.49	27.39	-42.01	-560.77	5,245.99	6,373.03	6,314.14	58.89	108.214		

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 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,431.00	6,426.33	62.89	27.39	-42.01	-560.77	5,245.99	6,471.78	6,412.80	58.97	109.743		
9,000.00	7,127.34	6,431.00	6,426.33	65.32	27.39	-42.01	-560.77	5,245.99	6,570.56	6,511.51	59.05	111.268		
9,100.00	7,126.17	6,431.00	6,426.33	67.79	27.39	-42.01	-560.77	5,245.99	6,669.38	6,610.25	59.13	112.788		
9,200.00	7,125.01	6,431.00	6,426.33	70.28	27.39	-42.01	-560.77	5,245.99	6,768.23	6,709.02	59.21	114.304		
9,300.00	7,123.85	6,431.00	6,426.33	72.80	27.39	-42.01	-560.77	5,245.99	6,867.12	6,807.83	59.29	115.816		
9,400.00	7,122.68	6,431.00	6,426.33	75.34	27.39	-42.01	-560.77	5,245.99	6,966.04	6,906.66	59.37	117.323		
9,500.00	7,121.52	6,431.00	6,426.33	77.91	27.39	-42.01	-560.77	5,245.99	7,064.99	7,005.53	59.46	118.827		
9,600.00	7,120.36	6,431.00	6,426.33	80.49	27.39	-42.01	-560.77	5,245.99	7,163.97	7,104.43	59.54	120.326		
9,700.00	7,119.19	6,431.00	6,426.33	83.09	27.39	-42.01	-560.77	5,245.99	7,262.97	7,203.35	59.62	121.821		
9,800.00	7,118.03	6,431.00	6,426.33	85.70	27.39	-42.01	-560.77	5,245.99	7,362.01	7,302.30	59.70	123.312		
9,900.00	7,116.87	6,431.00	6,426.33	88.33	27.39	-42.01	-560.77	5,245.99	7,461.07	7,401.28	59.78	124.798		
10,000.00	7,115.70	6,431.00	6,426.33	90.98	27.39	-42.01	-560.77	5,245.99	7,560.15	7,500.28	59.87	126.281		
10,100.00	7,114.54	6,431.00	6,426.33	93.63	27.39	-42.01	-560.77	5,245.99	7,659.26	7,599.31	59.95	127.759		
10,200.00	7,113.38	6,431.00	6,426.33	96.29	27.39	-42.01	-560.77	5,245.99	7,758.39	7,698.35	60.03	129.234		
10,300.00	7,112.21	6,431.00	6,426.33	98.97	27.39	-42.01	-560.77	5,245.99	7,857.54	7,797.42	60.12	130.704		
10,400.00	7,111.05	6,431.00	6,426.33	101.65	27.39	-42.01	-560.77	5,245.99	7,956.72	7,896.51	60.20	132.170		
10,500.00	7,109.89	6,431.00	6,426.33	104.34	27.39	-42.01	-560.77	5,245.99	8,055.91	7,995.63	60.28	133.632		
10,600.00	7,108.72	6,431.00	6,426.33	107.04	27.39	-42.01	-560.77	5,245.99	8,155.12	8,094.76	60.37	135.089		
10,700.00	7,107.56	6,431.00	6,426.33	109.75	27.39	-42.01	-560.77	5,245.99	8,254.36	8,193.90	60.45	136.543		
10,800.00	7,106.40	6,431.00	6,426.33	112.47	27.39	-42.01	-560.77	5,245.99	8,353.61	8,293.07	60.54	137.992		
10,900.00	7,105.24	6,431.00	6,426.33	115.19	27.39	-42.01	-560.77	5,245.99	8,452.88	8,392.26	60.62	139.437		
11,000.00	7,104.07	6,431.00	6,426.33	117.91	27.39	-42.01	-560.77	5,245.99	8,552.16	8,491.46	60.71	140.878		
11,100.00	7,102.91	6,431.00	6,426.33	120.64	27.39	-42.01	-560.77	5,245.99	8,651.47	8,590.67	60.79	142.314		
11,200.00	7,101.75	6,431.00	6,426.33	123.38	27.39	-42.01	-560.77	5,245.99	8,750.78	8,689.91	60.88	143.746		
11,300.00	7,100.58	6,431.00	6,426.33	126.12	27.39	-42.01	-560.77	5,245.99	8,850.12	8,789.16	60.96	145.174		
11,400.00	7,099.42	6,431.00	6,426.33	128.87	27.39	-42.01	-560.77	5,245.99	8,949.47	8,888.42	61.05	146.598		
11,500.00	7,098.26	6,431.00	6,426.33	131.62	27.39	-42.01	-560.77	5,245.99	9,048.83	8,987.70	61.13	148.017		
11,600.00	7,097.09	6,431.00	6,426.33	134.37	27.39	-42.01	-560.77	5,245.99	9,148.21	9,086.99	61.22	149.432		
11,700.00	7,095.93	6,431.00	6,426.33	137.13	27.39	-42.01	-560.77	5,245.99	9,247.60	9,186.29	61.31	150.843		
11,800.00	7,094.77	6,431.00	6,426.33	139.89	27.39	-42.01	-560.77	5,245.99	9,347.00	9,285.61	61.39	152.249		
11,900.00	7,093.60	6,431.00	6,426.33	142.65	27.39	-42.01	-560.77	5,245.99	9,446.41	9,384.93	61.48	153.651		
12,000.00	7,092.44	6,431.00	6,426.33	145.42	27.39	-42.01	-560.77	5,245.99	9,545.84	9,484.28	61.57	155.048		
12,100.00	7,091.28	6,431.00	6,426.33	148.19	27.39	-42.01	-560.77	5,245.99	9,645.28	9,583.63	61.65	156.441		
12,200.00	7,090.11	6,431.00	6,426.33	150.96	27.39	-42.01	-560.77	5,245.99	9,744.73	9,682.99	61.74	157.830		
12,300.00	7,088.95	6,431.00	6,426.33	153.74	27.39	-42.01	-560.77	5,245.99	9,844.20	9,782.37	61.83	159.214		
12,400.00	7,087.79	6,431.00	6,426.33	156.52	27.39	-42.01	-560.77	5,245.99	9,943.67	9,881.75	61.92	160.593		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	96.90	-635.14	5,246.94	5,285.29					
100.00	100.00	91.81	91.80	3.28	3.29	96.91	-636.02	5,246.71	5,285.14	5,278.57	6.57	804.104		
200.00	200.00	205.95	205.92	3.34	3.36	96.94	-638.08	5,245.87	5,284.61	5,277.92	6.70	788.978		
300.00	300.00	291.58	291.54	3.44	3.46	96.95	-639.45	5,245.37	5,284.23	5,277.32	6.91	764.978		
400.00	399.98	388.56	388.51	3.60	3.62	5.47	-640.90	5,244.96	5,282.25	5,275.02	7.22	731.383		
500.00	499.84	537.83	537.76	3.80	3.95	5.52	-643.08	5,244.01	5,276.69	5,268.95	7.75	681.130		
600.00	599.45	678.72	678.51	4.04	4.33	5.61	-648.26	5,240.89	5,266.20	5,257.83	8.37	629.165		
682.50	681.36	742.00	741.62	4.26	4.52	5.69	-652.53	5,239.25	5,255.02	5,246.23	8.79	598.116		
700.00	698.71	742.00	741.62	4.32	4.52	5.69	-652.53	5,239.25	5,252.45	5,243.61	8.84	594.337		
800.00	797.82	797.89	797.32	4.62	4.70	5.75	-657.07	5,238.13	5,238.29	5,228.98	9.31	562.594		
900.00	896.93	837.00	836.29	4.95	4.84	5.79	-660.36	5,237.70	5,225.12	5,215.36	9.76	535.384		
1,000.00	996.04	887.03	886.12	5.30	5.01	5.85	-664.81	5,237.63	5,212.96	5,202.69	10.27	507.494		
1,100.00	1,095.15	930.00	928.88	5.67	5.16	5.90	-668.96	5,238.07	5,201.93	5,191.14	10.78	482.526		
1,200.00	1,194.26	960.37	959.09	6.05	5.27	5.94	-672.01	5,238.72	5,192.09	5,180.83	11.26	461.037		
1,300.00	1,293.37	991.78	990.32	6.45	5.39	5.97	-675.20	5,239.80	5,183.57	5,171.81	11.76	440.801		
1,400.00	1,392.48	1,025.00	1,023.33	6.85	5.51	6.01	-678.60	5,241.39	5,176.36	5,164.09	12.27	421.732		
1,500.00	1,491.59	1,301.00	1,298.45	7.26	6.56	6.24	-696.93	5,252.04	5,167.32	5,153.62	13.70	377.119		
1,600.00	1,590.70	1,367.04	1,364.40	7.68	6.81	6.28	-699.80	5,253.78	5,157.41	5,143.05	14.36	359.147		
1,700.00	1,689.81	1,430.00	1,427.24	8.10	7.06	6.32	-702.77	5,256.20	5,148.54	5,133.53	15.02	342.854		
1,800.00	1,788.92	1,530.82	1,527.78	8.53	7.47	6.41	-709.23	5,260.13	5,140.03	5,124.20	15.83	324.636		
1,900.00	1,888.03	1,638.15	1,634.86	8.96	7.91	6.49	-715.44	5,264.11	5,131.25	5,114.57	16.69	307.506		
2,000.00	1,987.14	1,794.51	1,790.93	9.39	8.56	6.59	-723.45	5,269.06	5,121.81	5,104.06	17.74	288.663		
2,100.00	2,086.25	1,869.34	1,865.65	9.83	8.88	6.64	-726.79	5,271.34	5,112.20	5,093.73	18.48	276.694		
2,200.00	2,185.36	1,946.00	1,942.17	10.27	9.20	6.69	-730.53	5,273.88	5,102.95	5,083.73	19.22	265.475		
2,300.00	2,284.47	2,002.73	1,998.78	10.71	9.44	6.73	-733.48	5,276.09	5,094.37	5,074.47	19.89	256.122		
2,400.00	2,383.58	2,064.99	2,060.88	11.15	9.71	6.77	-736.83	5,279.16	5,086.72	5,066.14	20.58	247.130		
2,500.00	2,482.69	2,163.84	2,159.47	11.60	10.13	6.84	-741.53	5,284.41	5,079.42	5,057.99	21.43	237.031		
2,600.00	2,581.80	2,290.44	2,285.70	12.05	10.68	6.93	-749.05	5,290.59	5,071.89	5,049.49	22.40	226.399		
2,700.00	2,680.91	2,383.47	2,378.40	12.50	11.10	7.02	-755.81	5,294.62	5,064.02	5,040.77	23.24	217.865		
2,800.00	2,780.02	2,493.33	2,487.91	12.95	11.59	7.11	-763.01	5,299.62	5,056.27	5,032.12	24.16	209.302		
2,900.00	2,879.13	2,900.00	2,643.47	13.40	13.40	7.23	-771.91	5,305.94	5,047.97	5,021.60	26.37	191.451		
3,000.00	2,978.24	2,790.92	2,784.71	13.85	12.92	7.36	-781.84	5,309.49	5,038.19	5,011.87	26.32	191.390		
3,100.00	3,077.35	2,915.18	2,908.57	14.30	13.48	7.49	-791.45	5,311.86	5,028.04	5,000.73	27.31	184.085		
3,200.00	3,176.46	3,043.93	3,037.12	14.76	14.05	7.59	-798.21	5,314.27	5,017.51	4,989.20	28.31	177.227		
3,300.00	3,275.57	3,300.00	3,204.02	15.21	15.15	7.69	-804.09	5,315.97	5,005.81	4,975.98	29.83	167.805		
3,400.00	3,374.68	3,336.48	3,329.54	15.67	15.30	7.73	-805.37	5,316.39	4,993.05	4,962.64	30.41	164.211		
3,500.00	3,473.79	3,434.84	3,427.89	16.12	15.71	7.76	-806.00	5,316.62	4,980.19	4,948.93	31.26	159.330		
3,600.00	3,572.90	3,504.38	3,497.43	16.58	16.00	7.77	-806.32	5,317.11	4,967.76	4,935.76	32.00	155.255		
3,700.00	3,672.01	3,588.51	3,581.55	17.04	16.35	7.79	-806.68	5,318.09	4,955.77	4,922.98	32.79	151.134		
3,800.00	3,771.12	3,701.67	3,694.71	17.50	16.81	7.82	-806.92	5,319.39	4,943.73	4,910.05	33.69	146.746		
3,900.00	3,870.23	3,795.36	3,788.39	17.95	17.19	7.83	-806.85	5,320.49	4,931.68	4,897.17	34.51	142.891		
4,000.00	3,969.34	3,904.20	3,897.23	18.41	17.64	7.85	-806.89	5,321.77	4,919.65	4,884.26	35.40	138.991		
4,100.00	4,068.45	4,019.08	4,012.10	18.87	18.11	7.88	-806.89	5,322.70	4,907.26	4,870.95	36.30	135.173		
4,200.00	4,167.56	4,093.43	4,086.44	19.33	18.43	7.90	-807.56	5,323.25	4,894.95	4,857.88	37.07	132.036		
4,300.00	4,266.67	4,250.15	4,243.14	19.79	19.09	7.95	-809.36	5,323.99	4,882.44	4,844.29	38.16	127.963		
4,400.00	4,365.78	4,349.56	4,342.55	20.25	19.50	7.98	-809.51	5,323.98	4,869.27	4,830.26	39.01	124.823		
4,500.00	4,464.89	4,448.89	4,441.89	20.71	19.90	8.00	-809.53	5,323.98	4,856.08	4,816.23	39.85	121.851		
4,600.00	4,564.00	4,582.67	4,575.66	21.17	20.43	8.03	-809.38	5,323.59	4,842.61	4,801.80	40.81	118.662		
4,700.00	4,663.11	4,686.39	4,679.38	21.63	20.84	8.05	-809.17	5,322.77	4,828.63	4,786.97	41.66	115.906		
4,800.00	4,762.22	4,771.43	4,764.41	22.09	21.17	8.07	-808.98	5,322.19	4,814.75	4,772.30	42.45	113.424		
4,900.00	4,861.33	4,847.89	4,840.88	22.56	21.47	8.08	-808.74	5,322.03	4,801.29	4,758.09	43.21	111.119		
5,000.00	4,960.44	4,940.64	4,933.62	23.02	21.84	8.10	-808.14	5,322.19	4,788.18	4,744.15	44.02	108.767		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,063.46	5,056.44	23.48	22.32	8.11	-807.34	5,322.06	4,774.77	4,729.84	44.94	106.255		
5,200.00	5,158.66	5,173.29	5,166.26	23.94	22.76	8.14	-807.14	5,321.50	4,761.06	4,715.25	45.81	103.920		
5,300.00	5,257.77	5,257.09	5,250.07	24.40	23.10	8.16	-807.31	5,321.01	4,747.36	4,700.74	46.62	101.837		
5,400.00	5,356.88	5,350.77	5,343.75	24.87	23.50	8.19	-808.02	5,320.69	4,733.97	4,686.50	47.46	99.739		
5,500.00	5,455.99	5,474.86	5,467.83	25.33	24.02	8.23	-809.01	5,320.00	4,720.39	4,671.98	48.41	97.500		
5,600.00	5,555.10	5,596.72	5,589.65	25.79	24.51	8.23	-806.51	5,319.02	4,706.05	4,656.72	49.33	95.398		
5,700.00	5,654.21	5,688.98	5,681.88	26.25	24.87	8.23	-804.44	5,318.32	4,691.75	4,641.61	50.15	93.559		
5,800.00	5,753.32	5,775.72	5,768.62	26.72	25.22	8.24	-803.35	5,317.63	4,677.60	4,626.65	50.95	91.807		
5,900.00	5,852.43	5,872.81	5,865.70	27.18	25.61	8.26	-803.06	5,316.97	4,663.71	4,611.92	51.79	90.044		
6,000.00	5,951.54	5,975.91	5,968.80	27.64	26.04	8.29	-803.57	5,316.00	4,649.70	4,597.03	52.67	88.284		
6,100.00	6,050.65	6,063.75	6,056.63	28.11	26.41	8.33	-804.31	5,315.19	4,635.76	4,582.26	53.50	86.656		
6,200.00	6,149.76	6,179.99	6,172.85	28.57	26.91	8.38	-805.93	5,314.02	4,621.85	4,567.43	54.43	84.921		
6,300.00	6,248.87	6,229.11	6,221.97	29.03	27.12	8.40	-806.40	5,313.77	4,608.29	4,553.17	55.12	83.604		
6,400.00	6,347.98	6,355.20	6,348.06	29.50	27.64	8.43	-806.48	5,313.94	4,595.35	4,539.27	56.07	81.953		
6,475.54	6,422.84	6,381.40	6,374.26	29.85	27.75	8.43	-806.50	5,313.99	4,585.46	4,528.90	56.56	81.073		
6,500.00	6,447.14	6,391.56	6,384.42	29.96	27.80	7.02	-806.49	5,314.06	4,582.87	4,526.15	56.72	80.797		
6,550.00	6,497.05	6,412.42	6,405.27	30.17	27.88	-14.09	-806.45	5,314.32	4,580.66	4,523.62	57.04	80.301		
6,551.54	6,498.59	6,413.06	6,405.92	30.18	27.89	-17.87	-806.45	5,314.33	4,580.66	4,523.61	57.05	80.288 CC, ES		
6,600.00	6,547.02	6,438.00	6,430.85	30.37	27.99	-160.98	-806.35	5,314.83	4,582.62	4,525.26	57.36	79.889		
6,650.00	6,596.75	6,438.00	6,430.85	30.55	27.99	-164.89	-806.35	5,314.83	4,588.78	4,531.21	57.57	79.714		
6,700.00	6,645.93	6,438.00	6,430.85	30.74	27.99	-165.83	-806.35	5,314.83	4,599.25	4,541.50	57.75	79.640		
6,750.00	6,694.25	6,438.00	6,430.85	30.93	27.99	-166.07	-806.35	5,314.83	4,613.95	4,556.03	57.91	79.668		
6,800.00	6,741.43	6,476.57	6,469.39	31.12	28.15	-166.04	-806.08	5,316.37	4,631.97	4,573.76	58.21	79.569 SF		
6,850.00	6,787.16	6,485.97	6,478.77	31.32	28.19	-165.75	-805.99	5,316.94	4,654.27	4,595.90	58.38	79.724		
6,900.00	6,831.16	6,527.00	6,519.66	31.52	28.36	-165.34	-805.46	5,320.26	4,680.77	4,622.11	58.66	79.797		
6,950.00	6,873.17	6,527.00	6,519.66	31.74	28.36	-164.65	-805.46	5,320.26	4,709.97	4,651.22	58.75	80.167		
7,000.00	6,912.92	6,527.00	6,519.66	31.96	28.36	-163.73	-805.46	5,320.26	4,742.48	4,683.65	58.83	80.617		
7,050.00	6,950.18	6,527.00	6,519.66	32.21	28.36	-162.52	-805.46	5,320.26	4,778.04	4,719.16	58.89	81.140		
7,100.00	6,984.70	6,527.00	6,519.66	32.48	28.36	-160.93	-805.46	5,320.26	4,816.37	4,757.44	58.93	81.729		
7,150.00	7,016.29	6,527.00	6,519.66	32.77	28.36	-158.84	-805.46	5,320.26	4,857.16	4,798.19	58.96	82.375		
7,200.00	7,044.73	6,527.00	6,519.66	33.10	28.36	-156.04	-805.46	5,320.26	4,900.10	4,841.12	58.99	83.070		
7,250.00	7,069.86	6,527.00	6,519.66	33.46	28.36	-152.18	-805.46	5,320.26	4,944.89	4,885.89	59.00	83.805		
7,300.00	7,091.53	6,527.00	6,519.66	33.86	28.36	-146.65	-805.46	5,320.26	4,991.19	4,932.17	59.02	84.572		
7,350.00	7,109.59	6,527.00	6,519.66	34.30	28.36	-138.42	-805.46	5,320.26	5,038.69	4,979.66	59.03	85.361		
7,400.00	7,123.94	6,527.00	6,519.66	34.78	28.36	-125.78	-805.46	5,320.26	5,087.05	5,028.01	59.04	86.163		
7,450.00	7,134.49	6,527.00	6,519.66	35.29	28.36	-106.83	-805.46	5,320.26	5,135.97	5,076.92	59.05	86.970		
7,500.00	7,141.18	6,527.00	6,519.66	35.84	28.36	-82.89	-805.46	5,320.26	5,185.13	5,126.06	59.07	87.774		
7,550.00	7,143.95	6,527.00	6,519.66	36.42	28.36	-60.81	-805.46	5,320.26	5,234.22	5,175.12	59.10	88.564		
7,567.79	7,144.00	6,527.00	6,519.66	36.63	28.36	-54.47	-805.46	5,320.26	5,251.62	5,192.51	59.11	88.842		
7,600.00	7,143.62	6,527.00	6,519.66	37.03	28.36	-54.47	-805.46	5,320.26	5,283.07	5,223.94	59.13	89.339		
7,700.00	7,142.46	6,527.00	6,519.66	38.38	28.36	-54.47	-805.46	5,320.26	5,380.77	5,321.56	59.21	90.876		
7,800.00	7,141.29	6,527.00	6,519.66	39.88	28.36	-54.47	-805.46	5,320.26	5,478.55	5,419.26	59.29	92.403		
7,900.00	7,140.13	6,527.00	6,519.66	41.53	28.36	-54.47	-805.46	5,320.26	5,576.41	5,517.03	59.37	93.922		
8,000.00	7,138.97	6,527.00	6,519.66	43.30	28.36	-54.47	-805.46	5,320.26	5,674.34	5,614.88	59.46	95.432		
8,100.00	7,137.80	6,527.00	6,519.66	45.18	28.36	-54.47	-805.46	5,320.26	5,772.35	5,712.80	59.55	96.935		
8,200.00	7,136.64	6,527.00	6,519.66	47.16	28.36	-54.47	-805.46	5,320.26	5,870.42	5,810.78	59.64	98.429		
8,300.00	7,135.48	6,527.00	6,519.66	49.22	28.36	-54.47	-805.46	5,320.26	5,968.55	5,908.82	59.74	99.917		
8,400.00	7,134.32	6,527.00	6,519.66	51.36	28.36	-54.47	-805.46	5,320.26	6,066.75	6,006.92	59.83	101.398		
8,500.00	7,133.15	6,527.00	6,519.66	53.56	28.36	-54.47	-805.46	5,320.26	6,165.01	6,105.08	59.93	102.872		
8,600.00	7,131.99	6,527.00	6,519.66	55.82	28.36	-54.47	-805.46	5,320.26	6,263.32	6,203.29	60.03	104.339		
8,700.00	7,130.83	6,527.00	6,519.66	58.13	28.36	-54.47	-805.46	5,320.26	6,361.68	6,301.55	60.13	105.800		
8,800.00	7,129.66	6,527.00	6,519.66	60.49	28.36	-54.47	-805.46	5,320.26	6,460.09	6,399.86	60.23	107.256		

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 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,527.00	6,519.66	62.89	28.36	-54.47	-805.46	5,320.26	6,558.55	6,498.22	60.33	108.705		
9,000.00	7,127.34	6,527.00	6,519.66	65.32	28.36	-54.47	-805.46	5,320.26	6,657.06	6,596.62	60.44	110.149		
9,100.00	7,126.17	6,527.00	6,519.66	67.79	28.36	-54.47	-805.46	5,320.26	6,755.61	6,695.07	60.54	111.588		
9,200.00	7,125.01	6,527.00	6,519.66	70.28	28.36	-54.47	-805.46	5,320.26	6,854.20	6,793.56	60.65	113.021		
9,300.00	7,123.85	6,527.00	6,519.66	72.80	28.36	-54.47	-805.46	5,320.26	6,952.84	6,892.09	60.75	114.449		
9,400.00	7,122.68	6,527.00	6,519.66	75.34	28.36	-54.47	-805.46	5,320.26	7,051.51	6,990.65	60.86	115.872		
9,500.00	7,121.52	6,527.00	6,519.66	77.91	28.36	-54.47	-805.46	5,320.26	7,150.22	7,089.25	60.96	117.290		
9,600.00	7,120.36	6,527.00	6,519.66	80.49	28.36	-54.47	-805.46	5,320.26	7,248.96	7,187.89	61.07	118.703		
9,700.00	7,119.19	6,527.00	6,519.66	83.09	28.36	-54.47	-805.46	5,320.26	7,347.74	7,286.56	61.17	120.111		
9,800.00	7,118.03	6,527.00	6,519.66	85.70	28.36	-54.47	-805.46	5,320.26	7,446.55	7,385.27	61.28	121.515		
9,900.00	7,116.87	6,527.00	6,519.66	88.33	28.36	-54.47	-805.46	5,320.26	7,545.39	7,484.00	61.39	122.914		
10,000.00	7,115.70	6,527.00	6,519.66	90.98	28.36	-54.47	-805.46	5,320.26	7,644.26	7,582.77	61.49	124.309		
10,100.00	7,114.54	6,527.00	6,519.66	93.63	28.36	-54.47	-805.46	5,320.26	7,743.16	7,681.56	61.60	125.699		
10,200.00	7,113.38	6,527.00	6,519.66	96.29	28.36	-54.47	-805.46	5,320.26	7,842.09	7,780.38	61.71	127.085		
10,300.00	7,112.21	6,527.00	6,519.66	98.97	28.36	-54.47	-805.46	5,320.26	7,941.05	7,879.23	61.81	128.466		
10,400.00	7,111.05	6,527.00	6,519.66	101.65	28.36	-54.47	-805.46	5,320.26	8,040.03	7,978.11	61.92	129.843		
10,500.00	7,109.89	6,527.00	6,519.66	104.34	28.36	-54.47	-805.46	5,320.26	8,139.04	8,077.01	62.03	131.216		
10,600.00	7,108.72	6,527.00	6,519.66	107.04	28.36	-54.47	-805.46	5,320.26	8,238.07	8,175.93	62.13	132.585		
10,700.00	7,107.56	6,527.00	6,519.66	109.75	28.36	-54.47	-805.46	5,320.26	8,337.12	8,274.88	62.24	133.949		
10,800.00	7,106.40	6,527.00	6,519.66	112.47	28.36	-54.47	-805.46	5,320.26	8,436.20	8,373.85	62.35	135.309		
10,900.00	7,105.24	6,527.00	6,519.66	115.19	28.36	-54.47	-805.46	5,320.26	8,535.29	8,472.84	62.45	136.665		
11,000.00	7,104.07	6,527.00	6,519.66	117.91	28.36	-54.47	-805.46	5,320.26	8,634.41	8,571.85	62.56	138.017		
11,100.00	7,102.91	6,527.00	6,519.66	120.64	28.36	-54.47	-805.46	5,320.26	8,733.55	8,670.88	62.67	139.365		
11,200.00	7,101.75	6,527.00	6,519.66	123.38	28.36	-54.47	-805.46	5,320.26	8,832.71	8,769.93	62.77	140.709		
11,300.00	7,100.58	6,527.00	6,519.66	126.12	28.36	-54.47	-805.46	5,320.26	8,931.88	8,869.00	62.88	142.049		
11,400.00	7,099.42	6,527.00	6,519.66	128.87	28.36	-54.47	-805.46	5,320.26	9,031.08	8,968.09	62.99	143.385		
11,500.00	7,098.26	6,488.36	6,481.16	131.62	28.20	-52.94	-805.96	5,317.09	9,129.59	9,066.62	62.97	144.980		
11,600.00	7,097.09	6,487.46	6,480.26	134.37	28.20	-52.90	-805.97	5,317.03	9,228.79	9,165.71	63.08	146.313		
11,700.00	7,095.93	6,486.57	6,479.37	137.13	28.20	-52.87	-805.98	5,316.97	9,328.00	9,264.82	63.18	147.643		
11,800.00	7,094.77	6,485.70	6,478.50	139.89	28.19	-52.83	-805.99	5,316.92	9,427.23	9,363.95	63.28	148.968		
11,900.00	7,093.60	6,484.85	6,477.65	142.65	28.19	-52.80	-806.00	5,316.86	9,526.48	9,463.09	63.39	150.290		
12,000.00	7,092.44	6,484.01	6,476.81	145.42	28.18	-52.77	-806.01	5,316.81	9,625.74	9,562.25	63.49	151.607		
12,100.00	7,091.28	6,483.19	6,475.99	148.19	28.18	-52.74	-806.02	5,316.76	9,725.01	9,661.42	63.60	152.920		
12,200.00	7,090.11	6,482.38	6,475.19	150.96	28.18	-52.71	-806.02	5,316.71	9,824.30	9,760.60	63.70	154.229		
12,300.00	7,088.95	6,481.59	6,474.40	153.74	28.17	-52.67	-806.03	5,316.66	9,923.60	9,859.80	63.80	155.534		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
0.00	0.00	0.00	0.00	3.28	3.28	96.53	-604.90	5,281.73	5,316.30					
100.00	100.00	87.22	87.22	3.28	3.29	96.53	-604.88	5,281.65	5,316.18	5,309.61	6.57	809.124		
200.00	200.00	187.08	187.08	3.34	3.34	96.53	-604.68	5,281.49	5,316.00	5,309.32	6.68	795.845		
300.00	300.00	287.20	287.20	3.44	3.45	96.53	-604.13	5,281.35	5,315.80	5,308.90	6.90	770.605		
400.00	399.98	389.50	389.50	3.60	3.62	5.03	-603.82	5,281.23	5,313.92	5,306.70	7.22	736.262		
500.00	499.84	506.54	506.54	3.80	3.86	5.05	-604.03	5,280.62	5,308.19	5,300.53	7.66	693.385		
600.00	599.45	588.71	588.70	4.04	4.05	5.07	-604.24	5,280.22	5,299.06	5,290.97	8.09	655.038		
682.50	681.36	648.00	647.99	4.26	4.21	5.09	-603.77	5,280.27	5,289.29	5,280.82	8.47	624.681		
700.00	698.71	648.00	647.99	4.32	4.21	5.09	-603.77	5,280.27	5,287.03	5,278.51	8.52	620.611		
800.00	797.82	722.48	722.45	4.62	4.41	5.08	-602.25	5,280.89	5,274.40	5,265.38	9.02	584.751		
900.00	896.93	826.81	826.68	4.95	4.73	5.05	-598.13	5,282.48	5,262.20	5,252.55	9.65	545.275		
1,000.00	996.04	919.16	918.80	5.30	5.02	4.99	-591.72	5,284.08	5,249.87	5,239.59	10.29	510.318		
1,100.00	1,095.15	1,009.94	1,009.10	5.67	5.34	4.90	-582.65	5,286.12	5,237.72	5,226.77	10.96	478.080		
1,200.00	1,194.26	1,111.19	1,109.55	6.05	5.71	4.77	-570.23	5,288.71	5,225.65	5,213.96	11.70	446.771		
1,300.00	1,293.37	1,200.13	1,197.70	6.45	6.06	4.65	-558.73	5,291.08	5,213.65	5,201.23	12.42	419.754		
1,400.00	1,392.48	1,385.56	1,381.48	6.85	6.82	4.40	-534.20	5,294.19	5,200.42	5,186.86	13.56	383.374		
1,500.00	1,491.59	1,561.05	1,555.77	7.26	7.57	4.20	-513.84	5,294.07	5,185.70	5,171.01	14.70	352.862		
1,600.00	1,590.70	1,638.91	1,633.09	7.68	7.91	4.10	-504.68	5,293.79	5,170.93	5,155.50	15.44	334.938		
1,700.00	1,689.81	1,696.30	1,689.93	8.10	8.17	4.02	-496.77	5,294.00	5,156.74	5,140.64	16.11	320.184		
1,800.00	1,788.92	1,762.00	1,754.99	8.53	8.47	3.92	-487.67	5,295.07	5,143.62	5,126.80	16.82	305.817		
1,900.00	1,888.03	1,793.43	1,786.09	8.96	8.61	3.88	-483.25	5,295.89	5,131.33	5,113.95	17.39	295.103		
2,000.00	1,987.14	2,000.00	1,894.05	9.39	9.60	3.69	-466.37	5,299.31	5,119.78	5,100.99	18.79	272.474		
2,100.00	2,086.25	1,999.86	1,989.95	9.83	9.60	3.53	-451.28	5,301.69	5,107.58	5,088.37	19.21	265.892		
2,200.00	2,185.36	2,038.00	2,027.66	10.27	9.78	3.47	-445.70	5,302.88	5,096.24	5,076.42	19.82	257.073		
2,300.00	2,284.47	2,104.36	2,093.28	10.71	10.10	3.37	-436.26	5,305.53	5,085.79	5,065.21	20.57	247.217		
2,400.00	2,383.58	2,223.00	2,210.72	11.15	10.67	3.19	-420.09	5,310.31	5,075.35	5,053.78	21.57	235.326		
2,500.00	2,482.69	2,285.58	2,272.71	11.60	10.97	3.10	-411.85	5,312.68	5,065.00	5,042.69	22.30	227.113		
2,600.00	2,581.80	2,600.00	2,380.99	12.05	12.51	2.94	-397.10	5,317.84	5,055.36	5,031.10	24.26	208.370		
2,700.00	2,680.91	2,460.13	2,445.42	12.50	11.83	2.84	-387.95	5,320.70	5,045.57	5,021.55	24.02	210.062		
2,800.00	2,780.02	2,499.00	2,483.80	12.95	12.02	2.77	-382.23	5,323.01	5,037.09	5,012.44	24.65	204.337		
2,900.00	2,879.13	2,714.84	2,697.13	13.40	13.10	2.42	-351.28	5,333.76	5,027.40	5,001.25	26.15	192.263		
3,000.00	2,978.24	2,853.35	2,834.31	13.85	13.78	2.22	-332.83	5,338.96	5,017.01	4,989.75	27.26	184.054		
3,100.00	3,077.35	2,970.57	2,950.94	14.30	14.33	2.09	-321.71	5,342.32	5,005.96	4,977.72	28.23	177.298		
3,200.00	3,176.46	3,141.37	3,121.50	14.76	15.05	2.01	-313.66	5,344.65	4,993.52	4,964.14	29.38	169.970		
3,300.00	3,275.57	3,257.31	3,237.42	15.21	15.48	2.03	-314.61	5,345.26	4,980.80	4,950.57	30.24	164.720		
3,400.00	3,374.68	3,404.92	3,385.01	15.67	16.01	2.07	-317.32	5,344.67	4,967.17	4,935.98	31.19	159.278		
3,500.00	3,473.79	3,547.62	3,527.69	16.12	16.54	2.08	-318.02	5,343.17	4,952.90	4,920.76	32.14	154.091		
3,600.00	3,572.90	3,622.94	3,603.01	16.58	16.84	2.09	-317.89	5,341.96	4,938.07	4,905.18	32.89	150.155		
3,700.00	3,672.01	3,675.00	3,655.07	17.04	17.04	2.09	-317.68	5,341.72	4,924.22	4,890.67	33.55	146.761		
3,800.00	3,771.12	3,810.63	3,790.70	17.50	17.58	2.09	-317.02	5,341.27	4,910.61	4,876.09	34.52	142.262		
3,900.00	3,870.23	3,925.24	3,905.30	17.95	18.04	2.09	-316.78	5,339.97	4,896.16	4,860.75	35.40	138.295		
4,000.00	3,969.34	4,017.37	3,997.42	18.41	18.40	2.09	-316.45	5,338.95	4,881.74	4,845.52	36.21	134.799		
4,100.00	4,068.45	4,109.33	4,089.38	18.87	18.76	2.10	-316.46	5,338.05	4,867.47	4,830.45	37.02	131.473		
4,200.00	4,167.56	4,186.54	4,166.58	19.33	19.06	2.11	-316.91	5,337.48	4,853.48	4,815.70	37.77	128.484		
4,300.00	4,266.67	4,270.30	4,250.34	19.79	19.39	2.12	-317.44	5,337.23	4,839.91	4,801.36	38.55	125.552		
4,400.00	4,365.78	4,353.89	4,333.93	20.25	19.71	2.13	-317.60	5,337.22	4,826.61	4,787.29	39.33	122.735		
4,500.00	4,464.89	4,446.32	4,426.36	20.71	20.07	2.14	-317.72	5,337.49	4,813.61	4,773.47	40.13	119.936		
4,600.00	4,564.00	4,544.60	4,524.64	21.17	20.46	2.14	-317.85	5,337.81	4,800.63	4,759.66	40.97	117.182		
4,700.00	4,663.11	4,610.28	4,590.32	21.63	20.73	2.15	-317.73	5,338.19	4,787.93	4,746.24	41.69	114.840		
4,800.00	4,762.22	4,674.95	4,654.98	22.09	20.99	2.14	-317.01	5,339.22	4,776.09	4,733.67	42.42	112.598		
4,900.00	4,861.33	4,814.48	4,794.44	22.56	21.58	2.11	-313.62	5,341.59	4,764.40	4,720.97	43.43	109.693		
5,000.00	4,960.44	4,888.74	4,868.67	23.02	21.89	2.09	-311.72	5,342.45	4,752.13	4,707.93	44.20	107.509		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,042.70	5,022.59	23.48	22.50	2.12	-313.88	5,344.10	4,740.14	4,694.91	45.23	104.801		
5,200.00	5,158.66	5,175.02	5,154.87	23.94	23.02	2.17	-316.91	5,343.77	4,726.71	4,680.54	46.17	102.379		
5,300.00	5,257.77	5,283.13	5,262.96	24.40	23.44	2.20	-319.04	5,343.08	4,712.90	4,665.87	47.03	100.207		
5,400.00	5,356.88	5,405.98	5,385.78	24.87	23.93	2.23	-321.12	5,341.81	4,698.67	4,650.72	47.95	97.999		
5,500.00	5,455.99	5,500.94	5,480.73	25.33	24.31	2.25	-322.19	5,340.70	4,684.29	4,635.51	48.77	96.041		
5,600.00	5,555.10	5,572.34	5,552.12	25.79	24.59	2.27	-323.09	5,340.02	4,670.17	4,620.64	49.53	94.299		
5,700.00	5,654.21	5,637.00	5,616.77	26.25	24.85	2.29	-324.49	5,340.07	4,656.98	4,606.73	50.25	92.672		
5,800.00	5,753.32	5,710.36	5,690.10	26.72	25.14	2.32	-326.53	5,340.56	4,644.46	4,593.46	51.01	91.059		
5,900.00	5,852.43	5,858.79	5,838.46	27.18	25.73	2.39	-331.01	5,340.84	4,631.57	4,579.56	52.01	89.055		
6,000.00	5,951.54	6,022.45	6,002.07	27.64	26.39	2.44	-334.59	5,339.02	4,617.27	4,564.21	53.06	87.021		
6,100.00	6,050.65	6,110.85	6,090.45	28.11	26.75	2.47	-335.95	5,337.53	4,602.43	4,548.55	53.87	85.429		
6,200.00	6,149.76	6,189.64	6,169.23	28.57	27.07	2.48	-336.55	5,336.69	4,588.09	4,533.43	54.66	83.938		
6,300.00	6,248.87	6,290.35	6,269.92	29.03	27.48	2.51	-337.67	5,335.32	4,573.52	4,518.00	55.52	82.379		
6,400.00	6,347.98	6,351.00	6,330.56	29.50	27.73	2.52	-338.28	5,335.12	4,559.86	4,503.61	56.24	81.072		
6,475.54	6,422.84	6,382.16	6,361.72	29.85	27.86	2.52	-338.50	5,335.31	4,550.17	4,493.43	56.74	80.190		
6,500.00	6,447.14	6,397.81	6,377.37	29.96	27.92	1.13	-338.59	5,335.45	4,547.61	4,490.68	56.92	79.894		
6,550.00	6,497.05	6,429.93	6,409.49	30.17	28.05	-19.95	-338.74	5,335.83	4,545.41	4,488.13	57.28	79.356		
6,551.25	6,498.30	6,430.73	6,410.29	30.18	28.06	-22.94	-338.74	5,335.84	4,545.41	4,488.12	57.29	79.344 CC, ES		
6,600.00	6,547.02	6,441.00	6,420.56	30.37	28.10	-166.86	-338.78	5,335.99	4,547.40	4,489.85	57.54	79.026		
6,650.00	6,596.75	6,441.00	6,420.56	30.55	28.10	-170.82	-338.78	5,335.99	4,553.80	4,496.05	57.74	78.864		
6,700.00	6,645.93	6,475.90	6,455.44	30.74	28.24	-171.87	-338.79	5,336.91	4,564.07	4,506.01	58.06	78.614		
6,750.00	6,694.25	6,488.56	6,468.09	30.93	28.30	-172.27	-338.74	5,337.43	4,578.69	4,520.42	58.27	78.577		
6,800.00	6,741.43	6,530.00	6,509.46	31.12	28.47	-172.41	-338.38	5,339.81	4,597.71	4,539.13	58.58	78.485 SF		
6,850.00	6,787.16	6,530.00	6,509.46	31.32	28.47	-172.36	-338.38	5,339.81	4,620.03	4,561.32	58.71	78.694		
6,900.00	6,831.16	6,530.00	6,509.46	31.52	28.47	-172.18	-338.38	5,339.81	4,646.17	4,587.35	58.82	78.995		
6,950.00	6,873.17	6,530.00	6,509.46	31.74	28.47	-171.86	-338.38	5,339.81	4,675.91	4,617.01	58.90	79.383		
7,000.00	6,912.92	6,530.00	6,509.46	31.96	28.47	-171.41	-338.38	5,339.81	4,709.00	4,650.03	58.97	79.852		
7,050.00	6,950.18	6,530.00	6,509.46	32.21	28.47	-170.80	-338.38	5,339.81	4,745.16	4,686.14	59.02	80.395		
7,100.00	6,984.70	6,530.00	6,509.46	32.48	28.47	-169.97	-338.38	5,339.81	4,784.11	4,725.05	59.06	81.004		
7,150.00	7,016.29	6,530.00	6,509.46	32.77	28.47	-168.85	-338.38	5,339.81	4,825.55	4,766.46	59.08	81.672		
7,200.00	7,044.73	6,530.00	6,509.46	33.10	28.47	-167.30	-338.38	5,339.81	4,869.15	4,810.05	59.10	82.390		
7,250.00	7,069.86	6,530.00	6,509.46	33.46	28.47	-165.06	-338.38	5,339.81	4,914.59	4,855.49	59.11	83.149		
7,300.00	7,091.53	6,530.00	6,509.46	33.86	28.47	-161.64	-338.38	5,339.81	4,961.55	4,902.45	59.11	83.941		
7,350.00	7,109.59	6,530.00	6,509.46	34.30	28.47	-155.95	-338.38	5,339.81	5,009.70	4,950.60	59.11	84.756		
7,400.00	7,123.94	6,530.00	6,509.46	34.78	28.47	-145.09	-338.38	5,339.81	5,058.72	4,999.61	59.11	85.586		
7,450.00	7,134.49	6,530.00	6,509.46	35.29	28.47	-120.80	-338.38	5,339.81	5,108.27	5,049.16	59.11	86.422		
7,500.00	7,141.18	6,530.00	6,509.46	35.84	28.47	-75.17	-338.38	5,339.81	5,158.04	5,098.93	59.11	87.255		
7,550.00	7,143.95	6,530.00	6,509.46	36.42	28.47	-41.14	-338.38	5,339.81	5,207.73	5,148.61	59.13	88.075		
7,567.79	7,144.00	6,530.00	6,509.46	36.63	28.47	-34.38	-338.38	5,339.81	5,225.34	5,166.20	59.13	88.364		
7,600.00	7,143.62	6,530.00	6,509.46	37.03	28.47	-34.38	-338.38	5,339.81	5,257.15	5,198.01	59.15	88.881		
7,700.00	7,142.46	6,530.00	6,509.46	38.38	28.47	-34.38	-338.38	5,339.81	5,355.97	5,296.78	59.19	90.483		
7,800.00	7,141.29	6,530.00	6,509.46	39.88	28.47	-34.38	-338.38	5,339.81	5,454.83	5,395.59	59.24	92.082		
7,900.00	7,140.13	6,530.00	6,509.46	41.53	28.47	-34.38	-338.38	5,339.81	5,553.73	5,494.45	59.29	93.678		
8,000.00	7,138.97	6,530.00	6,509.46	43.30	28.47	-34.38	-338.38	5,339.81	5,652.67	5,593.34	59.33	95.270		
8,100.00	7,137.80	6,530.00	6,509.46	45.18	28.47	-34.38	-338.38	5,339.81	5,751.65	5,692.27	59.38	96.859		
8,200.00	7,136.64	6,530.00	6,509.46	47.16	28.47	-34.38	-338.38	5,339.81	5,850.66	5,791.23	59.43	98.445		
8,300.00	7,135.48	6,530.00	6,509.46	49.22	28.47	-34.38	-338.38	5,339.81	5,949.70	5,890.22	59.48	100.027		
8,400.00	7,134.32	6,530.00	6,509.46	51.36	28.47	-34.38	-338.38	5,339.81	6,048.78	5,989.25	59.53	101.606		
8,500.00	7,133.15	6,530.00	6,509.46	53.56	28.47	-34.38	-338.38	5,339.81	6,147.88	6,088.30	59.58	103.181		
8,600.00	7,131.99	6,530.00	6,509.46	55.82	28.47	-34.38	-338.38	5,339.81	6,247.02	6,187.38	59.64	104.754		
8,700.00	7,130.83	6,530.00	6,509.46	58.13	28.47	-34.38	-338.38	5,339.81	6,346.18	6,286.49	59.69	106.322		
8,800.00	7,129.66	6,530.00	6,509.46	60.49	28.47	-34.38	-338.38	5,339.81	6,445.37	6,385.63	59.74	107.888		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,530.00	6,509.46	62.89	28.47	-34.38	-338.38	5,339.81	6,544.58	6,484.78	59.80	109.450		
9,000.00	7,127.34	6,530.00	6,509.46	65.32	28.47	-34.38	-338.38	5,339.81	6,643.81	6,583.96	59.85	111.008		
9,100.00	7,126.17	6,530.00	6,509.46	67.79	28.47	-34.38	-338.38	5,339.81	6,743.07	6,683.17	59.90	112.563		
9,200.00	7,125.01	6,530.00	6,509.46	70.28	28.47	-34.38	-338.38	5,339.81	6,842.35	6,782.39	59.96	114.115		
9,300.00	7,123.85	6,530.00	6,509.46	72.80	28.47	-34.38	-338.38	5,339.81	6,941.65	6,881.64	60.02	115.662		
9,400.00	7,122.68	6,530.00	6,509.46	75.34	28.47	-34.38	-338.38	5,339.81	7,040.97	6,980.90	60.07	117.206		
9,500.00	7,121.52	6,530.00	6,509.46	77.91	28.47	-34.38	-338.38	5,339.81	7,140.31	7,080.18	60.13	118.747		
9,600.00	7,120.36	6,530.00	6,509.46	80.49	28.47	-34.38	-338.38	5,339.81	7,239.67	7,179.48	60.19	120.284		
9,700.00	7,119.19	6,530.00	6,509.46	83.09	28.47	-34.38	-338.38	5,339.81	7,339.04	7,278.80	60.25	121.817		
9,800.00	7,118.03	6,530.00	6,509.46	85.70	28.47	-34.38	-338.38	5,339.81	7,438.44	7,378.13	60.31	123.346		
9,900.00	7,116.87	6,530.00	6,509.46	88.33	28.47	-34.38	-338.38	5,339.81	7,537.84	7,477.48	60.36	124.872		
10,000.00	7,115.70	6,530.00	6,509.46	90.98	28.47	-34.38	-338.38	5,339.81	7,637.27	7,576.84	60.42	126.393		
10,100.00	7,114.54	6,530.00	6,509.46	93.63	28.47	-34.38	-338.38	5,339.81	7,736.70	7,676.22	60.49	127.911		
10,200.00	7,113.38	6,530.00	6,509.46	96.29	28.47	-34.38	-338.38	5,339.81	7,836.16	7,775.61	60.55	129.425		
10,300.00	7,112.21	6,530.00	6,509.46	98.97	28.47	-34.38	-338.38	5,339.81	7,935.62	7,875.02	60.61	130.934		
10,400.00	7,111.05	6,530.00	6,509.46	101.65	28.47	-34.38	-338.38	5,339.81	8,035.10	7,974.43	60.67	132.440		
10,500.00	7,109.89	6,530.00	6,509.46	104.34	28.47	-34.38	-338.38	5,339.81	8,134.59	8,073.86	60.73	133.942		
10,600.00	7,108.72	6,530.00	6,509.46	107.04	28.47	-34.38	-338.38	5,339.81	8,234.10	8,173.30	60.80	135.440		
10,700.00	7,107.56	6,530.00	6,509.46	109.75	28.47	-34.38	-338.38	5,339.81	8,333.61	8,272.76	60.86	136.933		
10,800.00	7,106.40	6,530.00	6,509.46	112.47	28.47	-34.38	-338.38	5,339.81	8,433.14	8,372.22	60.92	138.422		
10,900.00	7,105.24	6,530.00	6,509.46	115.19	28.47	-34.38	-338.38	5,339.81	8,532.68	8,471.69	60.99	139.907		
11,000.00	7,104.07	6,530.00	6,509.46	117.91	28.47	-34.38	-338.38	5,339.81	8,632.23	8,571.18	61.05	141.388		
11,100.00	7,102.91	6,530.00	6,509.46	120.64	28.47	-34.38	-338.38	5,339.81	8,731.79	8,670.67	61.12	142.865		
11,200.00	7,101.75	6,530.00	6,509.46	123.38	28.47	-34.38	-338.38	5,339.81	8,831.36	8,770.17	61.19	144.337		
11,300.00	7,100.58	6,530.00	6,509.46	126.12	28.47	-34.38	-338.38	5,339.81	8,930.94	8,869.69	61.25	145.804		
11,400.00	7,099.42	6,530.00	6,509.46	128.87	28.47	-34.38	-338.38	5,339.81	9,030.53	8,969.21	61.32	147.268		
11,500.00	7,098.26	6,530.00	6,509.46	131.62	28.47	-34.38	-338.38	5,339.81	9,130.13	9,068.74	61.39	148.727		
11,600.00	7,097.09	6,530.00	6,509.46	134.37	28.47	-34.38	-338.38	5,339.81	9,229.73	9,168.27	61.46	150.181		
11,700.00	7,095.93	6,530.00	6,509.46	137.13	28.47	-34.38	-338.38	5,339.81	9,329.35	9,267.82	61.53	151.631		
11,800.00	7,094.77	6,530.00	6,509.46	139.89	28.47	-34.38	-338.38	5,339.81	9,428.97	9,367.37	61.60	153.076		
11,900.00	7,093.60	6,530.00	6,509.46	142.65	28.47	-34.38	-338.38	5,339.81	9,528.60	9,466.93	61.67	154.517		
12,000.00	7,092.44	6,530.00	6,509.46	145.42	28.47	-34.38	-338.38	5,339.81	9,628.24	9,566.50	61.74	155.953		
12,100.00	7,091.28	6,530.00	6,509.46	148.19	28.47	-34.38	-338.38	5,339.81	9,727.88	9,666.07	61.81	157.384		
12,200.00	7,090.11	6,530.00	6,509.46	150.96	28.47	-34.38	-338.38	5,339.81	9,827.54	9,765.66	61.88	158.811		
12,300.00	7,088.95	6,530.00	6,509.46	153.74	28.47	-34.38	-338.38	5,339.81	9,927.20	9,865.24	61.95	160.233		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	96.67	-612.92	5,242.48	5,278.24					
100.00	100.00	130.74	130.73	3.28	3.29	96.67	-613.23	5,241.77	5,277.79	5,271.22	6.58	802.371		
200.00	200.00	228.76	228.75	3.34	3.34	96.68	-613.55	5,240.57	5,276.62	5,269.95	6.68	790.468		
300.00	300.00	296.88	296.86	3.44	3.40	96.67	-612.87	5,240.16	5,275.92	5,269.07	6.85	770.301		
400.00	399.98	364.00	363.96	3.60	3.49	5.16	-611.22	5,240.37	5,274.17	5,267.08	7.09	743.701		
500.00	499.84	433.49	433.38	3.80	3.61	5.14	-608.22	5,241.15	5,269.55	5,262.15	7.40	711.643		
600.00	599.45	513.28	513.00	4.04	3.77	5.10	-603.15	5,242.56	5,261.89	5,254.09	7.80	674.303		
682.50	681.36	594.61	594.08	4.26	3.96	5.06	-597.08	5,244.31	5,253.19	5,244.97	8.22	639.147		
700.00	698.71	615.92	615.32	4.32	4.01	5.04	-595.41	5,244.76	5,251.07	5,242.75	8.33	630.716		
800.00	797.82	705.45	704.52	4.62	4.26	4.97	-587.99	5,246.64	5,238.97	5,230.10	8.87	590.726		
900.00	896.93	796.60	795.25	4.95	4.54	4.88	-579.61	5,248.93	5,227.17	5,217.70	9.47	552.066		
1,000.00	996.04	912.02	909.98	5.30	4.93	4.76	-567.31	5,251.90	5,215.30	5,205.10	10.20	511.361		
1,100.00	1,095.15	1,021.69	1,018.84	5.67	5.34	4.63	-554.21	5,254.53	5,203.13	5,192.17	10.96	474.768		
1,200.00	1,194.26	1,184.90	1,180.74	6.05	6.00	4.42	-533.88	5,257.53	5,190.46	5,178.48	11.97	433.488		
1,300.00	1,293.37	1,252.61	1,247.88	6.45	6.28	4.33	-525.14	5,258.44	5,177.24	5,164.61	12.64	409.726		
1,400.00	1,392.48	1,355.01	1,349.41	6.85	6.72	4.19	-511.94	5,260.33	5,164.52	5,151.06	13.46	383.679		
1,500.00	1,491.59	1,706.18	1,698.07	7.26	8.25	3.77	-471.15	5,255.30	5,147.45	5,132.09	15.36	335.210		
1,600.00	1,590.70	1,761.00	1,752.58	7.68	8.49	3.72	-465.65	5,253.35	5,129.94	5,113.94	16.00	320.652		
1,700.00	1,689.81	1,808.76	1,800.09	8.10	8.70	3.67	-460.92	5,252.09	5,113.38	5,096.76	16.62	307.679		
1,800.00	1,788.92	1,853.00	1,844.13	8.53	8.89	3.63	-456.78	5,251.69	5,098.19	5,080.96	17.23	295.868		
1,900.00	1,888.03	1,902.80	1,893.69	8.96	9.12	3.58	-451.95	5,251.76	5,084.02	5,066.15	17.88	284.415		
2,000.00	1,987.14	2,000.00	2,095.49	9.39	9.56	3.35	-429.82	5,251.16	5,069.86	5,051.15	18.71	270.952		
2,100.00	2,086.25	2,182.11	2,171.26	9.83	10.39	3.26	-421.11	5,249.58	5,053.73	5,033.76	19.97	253.064		
2,200.00	2,185.36	2,222.00	2,210.88	10.27	10.58	3.21	-416.42	5,249.44	5,038.99	5,018.40	20.59	244.717		
2,300.00	2,284.47	2,382.10	2,370.03	10.71	11.32	3.02	-399.07	5,248.43	5,024.24	5,002.50	21.74	231.086		
2,400.00	2,383.58	2,482.52	2,469.79	11.15	11.79	2.90	-387.70	5,247.07	5,008.74	4,986.10	22.64	221.277		
2,500.00	2,482.69	2,542.05	2,528.97	11.60	12.07	2.83	-381.29	5,246.44	4,993.62	4,970.27	23.35	213.828		
2,600.00	2,581.80	2,604.09	2,590.60	12.05	12.36	2.75	-374.19	5,246.43	4,979.40	4,955.32	24.09	206.740		
2,700.00	2,680.91	2,748.81	2,734.29	12.50	13.05	2.56	-356.93	5,246.08	4,965.00	4,939.80	25.19	197.065		
2,800.00	2,780.02	2,885.87	2,870.40	12.95	13.71	2.39	-340.90	5,244.55	4,949.78	4,923.51	26.27	188.439		
2,900.00	2,879.13	2,983.15	2,967.10	13.40	14.17	2.27	-330.39	5,242.91	4,934.09	4,906.93	27.16	181.659		
3,000.00	2,978.24	3,048.00	3,031.51	13.85	14.48	2.19	-322.91	5,242.20	4,918.94	4,891.03	27.92	176.199		
3,100.00	3,077.35	3,151.09	3,133.93	14.30	14.97	2.06	-311.20	5,241.36	4,904.12	4,875.28	28.84	170.019		
3,200.00	3,176.46	3,187.50	3,170.10	14.76	15.15	2.01	-307.10	5,241.35	4,889.94	4,860.46	29.48	165.887		
3,300.00	3,275.57	3,246.04	3,228.24	15.21	15.43	1.93	-300.24	5,241.93	4,876.83	4,846.62	30.21	161.440		
3,400.00	3,374.68	3,375.80	3,357.27	15.67	16.04	1.77	-286.50	5,242.91	4,863.65	4,832.40	31.25	155.623		
3,500.00	3,473.79	3,453.17	3,434.28	16.12	16.40	1.69	-279.07	5,243.32	4,850.36	4,818.29	32.06	151.280		
3,600.00	3,572.90	3,549.16	3,529.74	16.58	16.86	1.57	-269.18	5,244.42	4,837.63	4,804.67	32.96	146.783		
3,700.00	3,672.01	3,700.00	3,658.68	17.04	17.57	1.42	-255.50	5,245.04	4,824.19	4,790.09	34.10	141.459		
3,800.00	3,771.12	3,721.42	3,701.06	17.50	17.67	1.37	-251.25	5,245.36	4,811.21	4,776.54	34.67	138.784		
3,900.00	3,870.23	3,762.00	3,741.38	17.95	17.87	1.31	-246.72	5,246.24	4,799.50	4,764.18	35.32	135.890		
4,000.00	3,969.34	3,862.67	3,841.29	18.41	18.36	1.17	-234.67	5,249.10	4,788.46	4,752.21	36.25	132.083		
4,100.00	4,068.45	4,005.46	3,982.91	18.87	19.06	0.96	-216.73	5,252.32	4,776.82	4,739.43	37.39	127.760		
4,200.00	4,167.56	4,141.96	4,118.55	19.33	19.72	0.78	-201.61	5,254.22	4,764.45	4,725.97	38.48	123.826		
4,300.00	4,266.67	4,247.53	4,223.59	19.79	20.22	0.65	-191.08	5,254.96	4,751.44	4,712.03	39.42	120.543		
4,400.00	4,365.78	4,316.04	4,291.73	20.25	20.54	0.57	-184.08	5,255.69	4,738.84	4,698.64	40.20	117.882		
4,500.00	4,464.89	4,386.00	4,361.27	20.71	20.88	0.47	-176.51	5,257.09	4,727.07	4,686.08	40.99	115.320		
4,600.00	4,564.00	4,539.54	4,514.11	21.17	21.60	0.30	-162.14	5,259.48	4,715.06	4,672.92	42.13	111.910		
4,700.00	4,663.11	4,692.59	4,666.67	21.63	22.29	0.15	-150.01	5,259.62	4,701.53	4,658.28	43.25	108.710		
4,800.00	4,762.22	4,766.44	4,740.32	22.09	22.63	0.08	-144.56	5,259.46	4,687.82	4,643.78	44.04	106.434		
4,900.00	4,861.33	4,832.00	4,805.63	22.56	22.93	0.02	-138.96	5,260.00	4,675.02	4,630.21	44.81	104.334		
5,000.00	4,960.44	4,931.69	4,904.88	23.02	23.40	-0.10	-129.58	5,261.19	4,662.65	4,616.93	45.72	101.977		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,228.67	5,201.24	23.48	24.69	-0.30	-113.57	5,258.93	4,649.52	4,602.21	47.31	98.274		
5,200.00	5,158.66	5,306.87	5,279.40	23.94	24.99	-0.31	-112.92	5,256.35	4,632.93	4,584.85	48.08	96.364		
5,300.00	5,257.77	5,393.25	5,365.74	24.40	25.32	-0.31	-112.68	5,253.85	4,616.74	4,567.87	48.86	94.482		
5,400.00	5,356.88	5,482.42	5,454.87	24.87	25.66	-0.32	-112.45	5,251.30	4,600.60	4,550.94	49.66	92.647		
5,500.00	5,455.99	5,547.00	5,519.44	25.33	25.91	-0.31	-112.61	5,249.86	4,585.08	4,534.70	50.38	91.015		
5,600.00	5,555.10	5,629.83	5,602.25	25.79	26.22	-0.31	-113.02	5,248.46	4,570.10	4,518.96	51.15	89.351		
5,700.00	5,654.21	5,727.84	5,700.25	26.25	26.59	-0.30	-113.42	5,246.98	4,555.30	4,503.33	51.97	87.660		
5,800.00	5,753.32	5,857.67	5,830.06	26.72	27.09	-0.30	-114.01	5,244.50	4,540.09	4,487.22	52.88	85.859		
5,900.00	5,852.43	5,956.07	5,928.42	27.18	27.46	-0.28	-115.13	5,242.24	4,524.54	4,470.84	53.69	84.264		
6,000.00	5,951.54	6,017.13	5,989.47	27.64	27.69	-0.27	-116.10	5,241.02	4,509.36	4,454.95	54.41	82.884		
6,100.00	6,050.65	6,060.07	6,032.40	28.11	27.86	-0.27	-116.33	5,240.70	4,495.32	4,440.26	55.06	81.640		
6,200.00	6,149.76	6,103.30	6,075.63	28.57	28.02	-0.27	-116.14	5,240.93	4,482.52	4,426.81	55.71	80.455		
6,300.00	6,248.87	6,146.83	6,119.15	29.03	28.20	-0.27	-116.13	5,241.70	4,470.96	4,414.60	56.36	79.326		
6,400.00	6,347.98	6,245.84	6,218.13	29.50	28.58	-0.27	-116.60	5,244.40	4,460.36	4,403.17	57.19	77.987		
6,475.54	6,422.84	6,260.00	6,232.28	29.85	28.63	-0.27	-116.62	5,244.73	4,452.51	4,394.90	57.61	77.288		
6,500.00	6,447.14	6,260.00	6,232.28	29.96	28.63	-1.64	-116.62	5,244.73	4,450.71	4,392.98	57.72	77.103		
6,529.01	6,476.08	6,260.00	6,232.28	30.08	28.63	-5.99	-116.62	5,244.73	4,449.95	4,392.10	57.85	76.916 CC, ES		
6,550.00	6,497.05	6,260.00	6,232.28	30.17	28.63	-22.71	-116.62	5,244.73	4,450.35	4,392.40	57.95	76.799		
6,600.00	6,547.02	6,260.00	6,232.28	30.37	28.63	-169.62	-116.62	5,244.73	4,454.46	4,396.32	58.14	76.610		
6,650.00	6,596.75	6,260.00	6,232.28	30.55	28.63	-173.59	-116.62	5,244.73	4,463.02	4,404.70	58.31	76.534 SF		
6,700.00	6,645.93	6,260.00	6,232.28	30.74	28.63	-174.67	-116.62	5,244.73	4,475.93	4,417.47	58.46	76.559		
6,750.00	6,694.25	6,260.00	6,232.28	30.93	28.63	-175.11	-116.62	5,244.73	4,493.09	4,434.50	58.59	76.682		
6,800.00	6,741.43	6,299.11	6,271.31	31.12	28.78	-175.31	-116.80	5,247.11	4,512.67	4,453.80	58.87	76.650		
6,850.00	6,787.16	6,303.52	6,275.69	31.32	28.80	-175.35	-116.84	5,247.56	4,537.43	4,478.44	58.99	76.922		
6,900.00	6,831.16	6,307.66	6,279.81	31.52	28.81	-175.29	-116.87	5,248.03	4,565.85	4,506.77	59.08	77.281		
6,950.00	6,873.17	6,349.00	6,320.63	31.74	28.97	-175.17	-117.36	5,254.46	4,599.24	4,539.91	59.33	77.521		
7,000.00	6,912.92	6,349.00	6,320.63	31.96	28.97	-174.92	-117.36	5,254.46	4,634.00	4,574.63	59.37	78.048		
7,050.00	6,950.18	6,349.00	6,320.63	32.21	28.97	-174.57	-117.36	5,254.46	4,671.71	4,612.31	59.40	78.643		
7,100.00	6,984.70	6,349.00	6,320.63	32.48	28.97	-174.08	-117.36	5,254.46	4,712.07	4,652.64	59.42	79.298		
7,150.00	7,016.29	6,349.00	6,320.63	32.77	28.97	-173.38	-117.36	5,254.46	4,754.76	4,695.33	59.43	80.006		
7,200.00	7,044.73	6,349.00	6,320.63	33.10	28.97	-172.38	-117.36	5,254.46	4,799.46	4,740.03	59.43	80.758		
7,250.00	7,069.86	6,349.00	6,320.63	33.46	28.97	-170.87	-117.36	5,254.46	4,845.85	4,786.43	59.42	81.546		
7,300.00	7,091.53	6,349.00	6,320.63	33.86	28.97	-168.40	-117.36	5,254.46	4,893.60	4,834.18	59.42	82.359		
7,350.00	7,109.59	6,349.00	6,320.63	34.30	28.97	-163.76	-117.36	5,254.46	4,942.37	4,882.96	59.41	83.191		
7,400.00	7,123.94	6,349.00	6,320.63	34.78	28.97	-152.41	-117.36	5,254.46	4,991.84	4,932.44	59.41	84.030		
7,450.00	7,134.49	6,349.00	6,320.63	35.29	28.97	-107.99	-117.36	5,254.46	5,041.69	4,982.29	59.41	84.869		
7,500.00	7,141.18	6,349.00	6,320.63	35.84	28.97	-37.04	-117.36	5,254.46	5,091.61	5,032.20	59.41	85.699		
7,550.00	7,143.95	6,349.00	6,320.63	36.42	28.97	-18.28	-117.36	5,254.46	5,141.29	5,081.86	59.43	86.510		
7,567.79	7,144.00	6,349.00	6,320.63	36.63	28.97	-15.35	-117.36	5,254.46	5,158.85	5,099.41	59.44	86.795		
7,600.00	7,143.62	6,349.00	6,320.63	37.03	28.97	-15.35	-117.36	5,254.46	5,190.58	5,131.12	59.45	87.303		
7,700.00	7,142.46	6,349.00	6,320.63	38.38	28.97	-15.35	-117.36	5,254.46	5,289.12	5,229.61	59.51	88.878		
7,800.00	7,141.29	6,349.00	6,320.63	39.88	28.97	-15.35	-117.36	5,254.46	5,387.72	5,328.15	59.56	90.451		
7,900.00	7,140.13	6,349.00	6,320.63	41.53	28.97	-15.35	-117.36	5,254.46	5,486.36	5,426.74	59.62	92.023		
8,000.00	7,138.97	6,349.00	6,320.63	43.30	28.97	-15.35	-117.36	5,254.46	5,585.06	5,525.38	59.67	93.594		
8,100.00	7,137.80	6,349.00	6,320.63	45.18	28.97	-15.35	-117.36	5,254.46	5,683.80	5,624.07	59.73	95.162		
8,200.00	7,136.64	6,349.00	6,320.63	47.16	28.97	-15.35	-117.36	5,254.46	5,782.58	5,722.80	59.78	96.729		
8,300.00	7,135.48	6,349.00	6,320.63	49.22	28.97	-15.35	-117.36	5,254.46	5,881.41	5,821.57	59.83	98.294		
8,400.00	7,134.32	6,349.00	6,320.63	51.36	28.97	-15.35	-117.36	5,254.46	5,980.27	5,920.38	59.89	99.857		
8,500.00	7,133.15	6,349.00	6,320.63	53.56	28.97	-15.35	-117.36	5,254.46	6,079.17	6,019.23	59.94	101.418		
8,600.00	7,131.99	6,349.00	6,320.63	55.82	28.97	-15.35	-117.36	5,254.46	6,178.11	6,118.12	59.99	102.977		
8,700.00	7,130.83	6,349.00	6,320.63	58.13	28.97	-15.35	-117.36	5,254.46	6,277.08	6,217.03	60.05	104.534		
8,800.00	7,129.66	6,349.00	6,320.63	60.49	28.97	-15.35	-117.36	5,254.46	6,376.08	6,315.98	60.10	106.088		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,349.00	6,320.63	62.89	28.97	-15.35	-117.36	5,254.46	6,475.12	6,414.96	60.16	107.640		
9,000.00	7,127.34	6,349.00	6,320.63	65.32	28.97	-15.35	-117.36	5,254.46	6,574.18	6,513.97	60.21	109.189		
9,100.00	7,126.17	6,349.00	6,320.63	67.79	28.97	-15.35	-117.36	5,254.46	6,673.27	6,613.01	60.26	110.736		
9,200.00	7,125.01	6,349.00	6,320.63	70.28	28.97	-15.35	-117.36	5,254.46	6,772.39	6,712.07	60.32	112.280		
9,300.00	7,123.85	6,349.00	6,320.63	72.80	28.97	-15.35	-117.36	5,254.46	6,871.53	6,811.16	60.37	113.822		
9,400.00	7,122.68	6,349.00	6,320.63	75.34	28.97	-15.35	-117.36	5,254.46	6,970.70	6,910.27	60.43	115.360		
9,500.00	7,121.52	6,307.79	6,279.93	77.91	28.81	-14.64	-116.87	5,248.04	7,068.11	7,007.77	60.33	117.151		
9,600.00	7,120.36	6,306.94	6,279.09	80.49	28.81	-14.63	-116.86	5,247.94	7,167.25	7,106.86	60.39	118.688		
9,700.00	7,119.19	6,306.12	6,278.27	83.09	28.81	-14.62	-116.86	5,247.85	7,266.41	7,205.97	60.44	120.221		
9,800.00	7,118.03	6,305.31	6,277.48	85.70	28.81	-14.60	-116.85	5,247.76	7,365.60	7,305.10	60.50	121.752		
9,900.00	7,116.87	6,304.53	6,276.70	88.33	28.80	-14.59	-116.84	5,247.67	7,464.80	7,404.25	60.55	123.279		
10,000.00	7,115.70	6,303.76	6,275.94	90.98	28.80	-14.58	-116.84	5,247.59	7,564.03	7,503.42	60.61	124.802		
10,100.00	7,114.54	6,303.02	6,275.19	93.63	28.80	-14.57	-116.83	5,247.51	7,663.27	7,602.61	60.66	126.322		
10,200.00	7,113.38	6,302.29	6,274.47	96.29	28.79	-14.55	-116.83	5,247.43	7,762.53	7,701.81	60.72	127.839		
10,300.00	7,112.21	6,301.58	6,273.76	98.97	28.79	-14.54	-116.82	5,247.36	7,861.81	7,801.03	60.78	129.352		
10,400.00	7,111.05	6,260.00	6,232.28	101.65	28.63	-13.92	-116.62	5,244.73	7,962.85	7,902.14	60.71	131.169		
10,500.00	7,109.89	6,260.00	6,232.28	104.34	28.63	-13.92	-116.62	5,244.73	8,062.10	8,001.33	60.77	132.669		
10,600.00	7,108.72	6,260.00	6,232.28	107.04	28.63	-13.92	-116.62	5,244.73	8,161.37	8,100.54	60.83	134.164		
10,700.00	7,107.56	6,260.00	6,232.28	109.75	28.63	-13.92	-116.62	5,244.73	8,260.66	8,199.77	60.89	135.656		
10,800.00	7,106.40	6,260.00	6,232.28	112.47	28.63	-13.92	-116.62	5,244.73	8,359.97	8,299.01	60.96	137.145		
10,900.00	7,105.24	6,260.00	6,232.28	115.19	28.63	-13.92	-116.62	5,244.73	8,459.30	8,398.27	61.02	138.629		
11,000.00	7,104.07	6,260.00	6,232.28	117.91	28.63	-13.92	-116.62	5,244.73	8,558.63	8,497.55	61.09	140.110		
11,100.00	7,102.91	6,260.00	6,232.28	120.64	28.63	-13.92	-116.62	5,244.73	8,657.99	8,596.84	61.15	141.587		
11,200.00	7,101.75	6,260.00	6,232.28	123.38	28.63	-13.92	-116.62	5,244.73	8,757.36	8,696.14	61.21	143.060		
11,300.00	7,100.58	6,260.00	6,232.28	126.12	28.63	-13.92	-116.62	5,244.73	8,856.74	8,795.46	61.28	144.528		
11,400.00	7,099.42	6,260.00	6,232.28	128.87	28.63	-13.92	-116.62	5,244.73	8,956.14	8,894.79	61.35	145.993		
11,500.00	7,098.26	6,260.00	6,232.28	131.62	28.63	-13.92	-116.62	5,244.73	9,055.55	8,994.14	61.41	147.454		
11,600.00	7,097.09	6,260.00	6,232.28	134.37	28.63	-13.92	-116.62	5,244.73	9,154.97	9,093.49	61.48	148.910		
11,700.00	7,095.93	6,260.00	6,232.28	137.13	28.63	-13.92	-116.62	5,244.73	9,254.41	9,192.86	61.55	150.363		
11,800.00	7,094.77	6,260.00	6,232.28	139.89	28.63	-13.92	-116.62	5,244.73	9,353.86	9,292.24	61.62	151.811		
11,900.00	7,093.60	6,260.00	6,232.28	142.65	28.63	-13.92	-116.62	5,244.73	9,453.32	9,391.63	61.68	153.254		
12,000.00	7,092.44	6,260.00	6,232.28	145.42	28.63	-13.92	-116.62	5,244.73	9,552.79	9,491.03	61.75	154.694		
12,100.00	7,091.28	6,260.00	6,232.28	148.19	28.63	-13.92	-116.62	5,244.73	9,652.27	9,590.45	61.82	156.129		
12,200.00	7,090.11	6,260.00	6,232.28	150.96	28.63	-13.92	-116.62	5,244.73	9,751.76	9,689.87	61.89	157.559		
12,300.00	7,088.95	6,260.00	6,232.28	153.74	28.63	-13.92	-116.62	5,244.73	9,851.26	9,789.30	61.96	158.985		
12,400.00	7,087.79	6,260.00	6,232.28	156.52	28.63	-13.92	-116.62	5,244.73	9,950.78	9,888.74	62.03	160.406		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-72.39	1,864.46	-5,874.09	6,162.89					
100.00	100.00	133.00	133.00	3.28	4.38	-72.39	1,864.46	-5,874.09	6,162.89	6,155.23	7.66	804.425		
200.00	200.00	233.00	233.00	3.34	7.18	-72.39	1,864.46	-5,874.09	6,162.89	6,152.37	10.52	585.916		
300.00	300.00	333.00	333.00	3.44	10.41	-72.39	1,864.46	-5,874.09	6,162.89	6,149.03	13.85	444.823		
400.00	399.98	432.98	432.98	3.60	13.77	-163.89	1,864.46	-5,874.09	6,164.57	6,147.20	17.37	354.978		
500.00	499.84	532.84	532.84	3.80	17.17	-163.87	1,864.46	-5,874.09	6,169.59	6,148.62	20.97	294.207		
600.00	599.45	632.45	632.45	4.04	20.60	-163.85	1,864.46	-5,874.09	6,177.97	6,153.33	24.63	250.796		
682.50	681.36	714.36	714.36	4.26	23.42	-163.82	1,864.46	-5,874.09	6,187.39	6,159.70	27.68	223.494		
700.00	698.71	731.71	731.71	4.32	24.02	-163.83	1,864.46	-5,874.09	6,189.63	6,161.29	28.34	218.433		
800.00	797.82	830.82	830.82	4.62	27.46	-163.86	1,864.46	-5,874.09	6,202.42	6,170.36	32.06	193.450		
900.00	896.93	929.93	929.93	4.95	30.89	-163.89	1,864.46	-5,874.09	6,215.22	6,179.40	35.82	173.524		
1,000.00	996.04	1,029.04	1,029.04	5.30	34.34	-163.93	1,864.46	-5,874.09	6,228.02	6,188.42	39.60	157.286		
1,100.00	1,095.15	1,128.15	1,128.15	5.67	37.78	-163.96	1,864.46	-5,874.09	6,240.82	6,197.43	43.40	143.814		
1,200.00	1,194.26	1,227.26	1,227.26	6.05	41.23	-164.00	1,864.46	-5,874.09	6,253.63	6,206.42	47.21	132.468		
1,300.00	1,293.37	1,326.37	1,326.37	6.45	44.68	-164.03	1,864.46	-5,874.09	6,266.43	6,215.40	51.03	122.787		
1,400.00	1,392.48	1,425.48	1,425.48	6.85	48.13	-164.06	1,864.46	-5,874.09	6,279.24	6,224.37	54.87	114.435		
1,500.00	1,491.59	1,524.59	1,524.59	7.26	51.58	-164.10	1,864.46	-5,874.09	6,292.05	6,233.33	58.72	107.159		
1,600.00	1,590.70	1,623.70	1,623.70	7.68	55.04	-164.13	1,864.46	-5,874.09	6,304.86	6,242.29	62.57	100.766		
1,700.00	1,689.81	1,722.81	1,722.81	8.10	58.49	-164.16	1,864.46	-5,874.09	6,317.68	6,251.25	66.43	95.106		
1,800.00	1,788.92	1,821.92	1,821.92	8.53	61.94	-164.19	1,864.46	-5,874.09	6,330.49	6,260.20	70.29	90.060		
1,900.00	1,888.03	1,921.03	1,921.03	8.96	65.40	-164.23	1,864.46	-5,874.09	6,343.31	6,269.15	74.16	85.535		
2,000.00	1,987.14	2,020.14	2,020.14	9.39	68.86	-164.26	1,864.46	-5,874.09	6,356.13	6,278.10	78.03	81.455		
2,100.00	2,086.25	2,119.25	2,119.25	9.83	72.31	-164.29	1,864.46	-5,874.09	6,368.95	6,287.04	81.91	77.757		
2,200.00	2,185.36	2,218.36	2,218.36	10.27	75.77	-164.32	1,864.46	-5,874.09	6,381.78	6,295.99	85.79	74.391		
2,300.00	2,284.47	2,317.47	2,317.47	10.71	79.23	-164.36	1,864.46	-5,874.09	6,394.60	6,304.93	89.67	71.314		
2,400.00	2,383.58	2,416.58	2,416.58	11.15	82.68	-164.39	1,864.46	-5,874.09	6,407.43	6,313.88	93.55	68.491		
2,500.00	2,482.69	2,515.69	2,515.69	11.60	86.14	-164.42	1,864.46	-5,874.09	6,420.26	6,322.82	97.44	65.892		
2,600.00	2,581.80	2,614.80	2,614.80	12.05	89.60	-164.45	1,864.46	-5,874.09	6,433.09	6,331.77	101.32	63.490		
2,700.00	2,680.91	2,713.91	2,713.91	12.50	93.06	-164.48	1,864.46	-5,874.09	6,445.93	6,340.71	105.21	61.266		
2,800.00	2,780.02	2,813.02	2,813.02	12.95	96.51	-164.52	1,864.46	-5,874.09	6,458.76	6,349.66	109.10	59.199		
2,900.00	2,879.13	2,912.13	2,912.13	13.40	99.97	-164.55	1,864.46	-5,874.09	6,471.60	6,358.61	112.99	57.274		
3,000.00	2,978.24	3,011.24	3,011.24	13.85	103.43	-164.58	1,864.46	-5,874.09	6,484.44	6,367.55	116.89	55.476		
3,100.00	3,077.35	3,110.35	3,110.35	14.30	106.89	-164.61	1,864.46	-5,874.09	6,497.28	6,376.50	120.78	53.794		
3,200.00	3,176.46	3,209.46	3,209.46	14.76	110.35	-164.64	1,864.46	-5,874.09	6,510.13	6,385.45	124.68	52.216		
3,300.00	3,275.57	3,308.57	3,308.57	15.21	113.80	-164.67	1,864.46	-5,874.09	6,522.97	6,394.40	128.57	50.734		
3,400.00	3,374.68	3,407.68	3,407.68	15.67	117.26	-164.70	1,864.46	-5,874.09	6,535.82	6,403.35	132.47	49.339		
3,500.00	3,473.79	3,506.79	3,506.79	16.12	120.72	-164.73	1,864.46	-5,874.09	6,548.67	6,412.30	136.37	48.023		
3,600.00	3,572.90	3,605.90	3,605.90	16.58	124.18	-164.76	1,864.46	-5,874.09	6,561.52	6,421.26	140.26	46.780		
3,700.00	3,672.01	3,705.01	3,705.01	17.04	127.64	-164.79	1,864.46	-5,874.09	6,574.37	6,430.21	144.16	45.604		
3,800.00	3,771.12	3,804.12	3,804.12	17.50	131.10	-164.82	1,864.46	-5,874.09	6,587.23	6,439.17	148.06	44.490		
3,900.00	3,870.23	3,903.23	3,903.23	17.95	134.56	-164.85	1,864.46	-5,874.09	6,600.09	6,448.13	151.96	43.433		
4,000.00	3,969.34	4,002.34	4,002.34	18.41	138.02	-164.88	1,864.46	-5,874.09	6,612.94	6,457.08	155.86	42.429		
4,100.00	4,068.45	4,101.45	4,101.45	18.87	141.47	-164.91	1,864.46	-5,874.09	6,625.80	6,466.04	159.76	41.473		
4,200.00	4,167.56	4,200.56	4,200.56	19.33	144.93	-164.94	1,864.46	-5,874.09	6,638.67	6,475.00	163.66	40.563		
4,300.00	4,266.67	4,300.33	4,299.67	19.79	148.42	-164.97	1,864.46	-5,874.09	6,651.53	6,483.94	167.59	39.690		
4,400.00	4,365.78	4,401.22	4,398.78	20.25	151.94	-165.00	1,864.46	-5,874.09	6,664.40	6,492.85	171.55	38.848		
4,500.00	4,464.89	4,502.11	4,497.89	20.71	155.46	-165.03	1,864.46	-5,874.09	6,677.26	6,501.75	175.51	38.044		
4,600.00	4,564.00	4,603.00	4,597.00	21.17	158.98	-165.06	1,864.46	-5,874.09	6,690.13	6,510.65	179.48	37.276		
4,700.00	4,663.11	4,703.89	4,696.11	21.63	162.50	-165.09	1,864.46	-5,874.09	6,703.00	6,519.56	183.44	36.540		
4,800.00	4,762.22	4,804.78	4,795.22	22.09	166.02	-165.12	1,864.46	-5,874.09	6,715.87	6,528.47	187.41	35.836		
4,900.00	4,861.33	4,905.67	4,894.33	22.56	169.54	-165.15	1,864.46	-5,874.09	6,728.75	6,537.38	191.37	35.160		
5,000.00	4,960.44	5,006.56	4,993.44	23.02	173.07	-165.18	1,864.46	-5,874.09	6,741.63	6,546.29	195.34	34.513		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,107.45	5,092.55	23.48	176.59	-165.21	1,864.46	-5,874.09	6,754.50	6,555.20	199.30	33.890		
5,200.00	5,158.66	5,208.34	5,191.66	23.94	180.11	-165.24	1,864.46	-5,874.09	6,767.38	6,564.11	203.27	33.293		
5,300.00	5,257.77	5,309.23	5,290.77	24.40	183.63	-165.27	1,864.46	-5,874.09	6,780.26	6,573.03	207.24	32.717		
5,400.00	5,356.88	5,389.88	5,389.88	24.87	186.44	-165.29	1,864.46	-5,874.09	6,793.15	6,582.65	210.50	32.272		
5,500.00	5,455.99	5,488.99	5,488.99	25.33	189.90	-165.32	1,864.46	-5,874.09	6,806.03	6,591.63	214.40	31.744		
5,600.00	5,555.10	5,588.10	5,588.10	25.79	193.36	-165.35	1,864.46	-5,874.09	6,818.92	6,600.61	218.31	31.236		
5,700.00	5,654.21	5,687.21	5,687.21	26.25	196.82	-165.38	1,864.46	-5,874.09	6,831.80	6,609.59	222.21	30.745		
5,800.00	5,753.32	5,786.32	5,786.32	26.72	200.28	-165.41	1,864.46	-5,874.09	6,844.69	6,618.58	226.12	30.271		
5,900.00	5,852.43	5,885.43	5,885.43	27.18	203.74	-165.44	1,864.46	-5,874.09	6,857.58	6,627.56	230.02	29.813		
6,000.00	5,951.54	5,984.54	5,984.54	27.64	207.20	-165.46	1,864.46	-5,874.09	6,870.48	6,636.55	233.93	29.370		
6,100.00	6,050.65	6,083.65	6,083.65	28.11	210.66	-165.49	1,864.46	-5,874.09	6,883.37	6,645.54	237.83	28.942		
6,200.00	6,149.76	6,182.76	6,182.76	28.57	214.12	-165.52	1,864.46	-5,874.09	6,896.27	6,654.53	241.74	28.528		
6,300.00	6,248.87	6,281.87	6,281.87	29.03	217.58	-165.55	1,864.46	-5,874.09	6,909.16	6,663.52	245.64	28.127		
6,400.00	6,347.98	6,380.98	6,380.98	29.50	221.04	-165.57	1,864.46	-5,874.09	6,922.06	6,672.51	249.55	27.738		
6,475.54	6,422.84	6,455.84	6,455.84	29.85	223.65	-165.59	1,864.46	-5,874.09	6,931.81	6,679.31	252.50	27.453		
6,500.00	6,447.14	6,480.14	6,480.14	29.96	224.50	-167.04	1,864.46	-5,874.09	6,934.52	6,681.06	253.46	27.360		
6,550.00	6,497.05	6,530.05	6,530.05	30.17	226.24	171.81	1,864.46	-5,874.09	6,937.28	6,681.87	255.41	27.161		
6,600.00	6,547.02	6,580.02	6,580.02	30.37	227.99	24.92	1,864.46	-5,874.09	6,936.31	6,678.96	257.35	26.953		
6,650.00	6,596.75	6,629.75	6,629.75	30.55	229.72	21.05	1,864.46	-5,874.09	6,931.60	6,672.34	259.27	26.735		
6,700.00	6,645.93	6,678.93	6,678.93	30.74	231.44	20.17	1,864.46	-5,874.09	6,923.19	6,662.04	261.15	26.510		
6,750.00	6,694.25	6,727.25	6,727.25	30.93	233.13	20.02	1,864.46	-5,874.09	6,911.13	6,648.14	262.99	26.279		
6,800.00	6,741.43	6,774.43	6,774.43	31.12	234.77	20.23	1,864.46	-5,874.09	6,895.50	6,630.72	264.78	26.042		
6,850.00	6,787.16	6,820.16	6,820.16	31.32	236.37	20.70	1,864.46	-5,874.09	6,876.39	6,609.88	266.51	25.802		
6,900.00	6,831.16	6,864.16	6,864.16	31.52	237.91	21.41	1,864.46	-5,874.09	6,853.93	6,585.77	268.16	25.559		
6,950.00	6,873.17	6,906.17	6,906.17	31.74	239.37	22.36	1,864.46	-5,874.09	6,828.26	6,558.53	269.73	25.315		
7,000.00	6,912.92	6,945.92	6,945.92	31.96	240.76	23.57	1,864.46	-5,874.09	6,799.54	6,528.33	271.21	25.071		
7,050.00	6,950.18	6,983.18	6,983.18	32.21	242.06	25.10	1,864.46	-5,874.09	6,767.95	6,495.36	272.59	24.828		
7,100.00	6,984.70	7,017.70	7,017.70	32.48	243.27	27.00	1,864.46	-5,874.09	6,733.69	6,459.82	273.87	24.587		
7,150.00	7,016.29	7,049.29	7,049.29	32.77	244.37	29.36	1,864.46	-5,874.09	6,696.98	6,421.94	275.04	24.349		
7,200.00	7,044.73	7,077.73	7,077.73	33.10	245.36	32.31	1,864.46	-5,874.09	6,658.04	6,381.95	276.09	24.116		
7,250.00	7,069.86	7,102.86	7,102.86	33.46	246.24	36.02	1,864.46	-5,874.09	6,617.13	6,340.11	277.02	23.887		
7,300.00	7,091.53	7,124.53	7,124.53	33.86	246.99	40.71	1,864.46	-5,874.09	6,574.50	6,296.67	277.83	23.663		
7,350.00	7,109.59	7,142.59	7,142.59	34.30	247.62	46.67	1,864.46	-5,874.09	6,530.41	6,251.89	278.52	23.447		
7,400.00	7,123.94	7,156.94	7,156.94	34.78	248.13	54.22	1,864.46	-5,874.09	6,485.15	6,206.07	279.08	23.237		
7,450.00	7,134.49	7,167.49	7,167.49	35.29	248.49	63.63	1,864.46	-5,874.09	6,438.99	6,159.47	279.51	23.036		
7,500.00	7,141.18	7,174.18	7,174.18	35.84	248.73	74.86	1,864.46	-5,874.09	6,392.22	6,112.40	279.82	22.844		
7,550.00	7,143.95	7,176.95	7,176.95	36.42	248.82	87.35	1,864.46	-5,874.09	6,345.13	6,065.13	280.00	22.661		
7,567.79	7,144.00	7,177.00	7,177.00	36.63	248.83	91.89	1,864.46	-5,874.09	6,328.35	6,048.32	280.03	22.599		
7,600.00	7,143.62	7,176.62	7,176.62	37.03	248.81	91.88	1,864.46	-5,874.09	6,297.99	6,017.91	280.08	22.487		
7,700.00	7,142.46	7,175.46	7,175.46	38.38	248.77	91.84	1,864.46	-5,874.09	6,203.85	5,923.60	280.25	22.137		
7,800.00	7,141.29	7,174.29	7,174.29	39.88	248.73	91.81	1,864.46	-5,874.09	6,109.90	5,829.44	280.46	21.785		
7,900.00	7,140.13	7,173.13	7,173.13	41.53	248.69	91.78	1,864.46	-5,874.09	6,016.14	5,735.42	280.72	21.431		
8,000.00	7,138.97	7,171.97	7,171.97	43.30	248.65	91.75	1,864.46	-5,874.09	5,922.58	5,641.56	281.02	21.075		
8,100.00	7,137.80	7,170.80	7,170.80	45.18	248.61	91.72	1,864.46	-5,874.09	5,829.24	5,547.86	281.38	20.717		
8,200.00	7,136.64	7,169.64	7,169.64	47.16	248.57	91.69	1,864.46	-5,874.09	5,736.13	5,454.34	281.79	20.356		
8,300.00	7,135.48	7,168.48	7,168.48	49.22	248.53	91.66	1,864.46	-5,874.09	5,643.25	5,360.99	282.26	19.993		
8,400.00	7,134.32	7,167.32	7,167.32	51.36	248.49	91.62	1,864.46	-5,874.09	5,550.61	5,267.83	282.78	19.629		
8,500.00	7,133.15	7,166.15	7,166.15	53.56	248.45	91.59	1,864.46	-5,874.09	5,458.24	5,174.87	283.36	19.262		
8,600.00	7,131.99	7,164.99	7,164.99	55.82	248.41	91.56	1,864.46	-5,874.09	5,366.14	5,082.12	284.01	18.894		
8,700.00	7,130.83	7,163.83	7,163.83	58.13	248.37	91.53	1,864.46	-5,874.09	5,274.32	4,989.59	284.73	18.524		
8,800.00	7,129.66	7,162.66	7,162.66	60.49	248.33	91.50	1,864.46	-5,874.09	5,182.81	4,897.30	285.51	18.153		
8,900.00	7,128.50	7,161.50	7,161.50	62.89	248.28	91.47	1,864.46	-5,874.09	5,091.62	4,805.25	286.37	17.780		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,160.34	7,160.34	65.32	248.24	91.43	1,864.46	-5,874.09	5,000.76	4,713.46	287.30	17.406		
9,100.00	7,126.17	7,159.17	7,159.17	67.79	248.20	91.40	1,864.46	-5,874.09	4,910.26	4,621.95	288.31	17.031		
9,200.00	7,125.01	7,158.01	7,158.01	70.28	248.16	91.37	1,864.46	-5,874.09	4,820.14	4,530.73	289.40	16.655		
9,300.00	7,123.85	7,156.85	7,156.85	72.80	248.12	91.34	1,864.46	-5,874.09	4,730.41	4,439.83	290.58	16.279		
9,400.00	7,122.68	7,155.68	7,155.68	75.34	248.08	91.31	1,864.46	-5,874.09	4,641.10	4,349.26	291.84	15.903		
9,500.00	7,121.52	7,154.52	7,154.52	77.91	248.04	91.28	1,864.46	-5,874.09	4,552.23	4,259.05	293.18	15.527		
9,600.00	7,120.36	7,153.36	7,153.36	80.49	248.00	91.24	1,864.46	-5,874.09	4,463.84	4,169.21	294.63	15.151		
9,700.00	7,119.19	7,152.19	7,152.19	83.09	247.96	91.21	1,864.46	-5,874.09	4,375.94	4,079.78	296.16	14.776		
9,800.00	7,118.03	7,151.03	7,151.03	85.70	247.92	91.18	1,864.46	-5,874.09	4,288.58	3,990.78	297.80	14.401		
9,900.00	7,116.87	7,149.87	7,149.87	88.33	247.88	91.15	1,864.46	-5,874.09	4,201.78	3,902.24	299.53	14.028		
10,000.00	7,115.70	7,148.70	7,148.70	90.98	247.84	91.12	1,864.46	-5,874.09	4,115.58	3,814.20	301.38	13.656		
10,100.00	7,114.54	7,147.54	7,147.54	93.63	247.80	91.09	1,864.46	-5,874.09	4,030.01	3,726.68	303.33	13.286		
10,200.00	7,113.38	7,146.38	7,146.38	96.29	247.76	91.05	1,864.46	-5,874.09	3,945.12	3,639.73	305.39	12.918		
10,300.00	7,112.21	7,145.21	7,145.21	98.97	247.72	91.02	1,864.46	-5,874.09	3,860.96	3,553.38	307.58	12.553		
10,400.00	7,111.05	7,144.05	7,144.05	101.65	247.68	90.99	1,864.46	-5,874.09	3,777.57	3,467.69	309.88	12.190		
10,500.00	7,109.89	7,142.89	7,142.89	104.34	247.63	90.96	1,864.46	-5,874.09	3,695.00	3,382.69	312.31	11.831		
10,600.00	7,108.72	7,141.72	7,141.72	107.04	247.59	90.93	1,864.46	-5,874.09	3,613.32	3,298.45	314.87	11.476		
10,700.00	7,107.56	7,140.56	7,140.56	109.75	247.55	90.90	1,864.46	-5,874.09	3,532.57	3,215.01	317.56	11.124		
10,800.00	7,106.40	7,139.40	7,139.40	112.47	247.51	90.86	1,864.46	-5,874.09	3,452.83	3,132.45	320.39	10.777		
10,900.00	7,105.24	7,138.24	7,138.24	115.19	247.47	90.83	1,864.46	-5,874.09	3,374.17	3,050.82	323.35	10.435		
11,000.00	7,104.07	7,137.07	7,137.07	117.91	247.43	90.80	1,864.46	-5,874.09	3,296.67	2,970.20	326.47	10.098		
11,100.00	7,102.91	7,135.91	7,135.91	120.64	247.39	90.77	1,864.46	-5,874.09	3,220.41	2,890.68	329.73	9.767		
11,200.00	7,101.75	7,134.75	7,134.75	123.38	247.35	90.74	1,864.46	-5,874.09	3,145.48	2,812.33	333.15	9.442		
11,300.00	7,100.58	7,133.58	7,133.58	126.12	247.31	90.71	1,864.46	-5,874.09	3,071.97	2,735.26	336.72	9.123		
11,400.00	7,099.42	7,132.42	7,132.42	128.87	247.27	90.68	1,864.46	-5,874.09	3,000.00	2,659.56	340.44	8.812		
11,500.00	7,098.26	7,131.26	7,131.26	131.62	247.23	90.64	1,864.46	-5,874.09	2,929.67	2,585.35	344.32	8.509		
11,600.00	7,097.09	7,130.09	7,130.09	134.37	247.19	90.61	1,864.46	-5,874.09	2,861.11	2,512.75	348.36	8.213		
11,700.00	7,095.93	7,128.93	7,128.93	137.13	247.15	90.58	1,864.46	-5,874.09	2,794.45	2,441.90	352.55	7.926		
11,800.00	7,094.77	7,127.77	7,127.77	139.89	247.11	90.55	1,864.46	-5,874.09	2,729.82	2,372.94	356.88	7.649		
11,900.00	7,093.60	7,126.60	7,126.60	142.65	247.07	90.52	1,864.46	-5,874.09	2,667.38	2,306.01	361.36	7.381		
12,000.00	7,092.44	7,125.44	7,125.44	145.42	247.03	90.49	1,864.46	-5,874.09	2,607.27	2,241.30	365.97	7.124		
12,100.00	7,091.28	7,124.28	7,124.28	148.19	246.99	90.45	1,864.46	-5,874.09	2,549.67	2,178.97	370.70	6.878		
12,200.00	7,090.11	7,123.11	7,123.11	150.96	246.94	90.42	1,864.46	-5,874.09	2,494.75	2,119.21	375.54	6.643		
12,300.00	7,088.95	7,121.95	7,121.95	153.74	246.90	90.39	1,864.46	-5,874.09	2,442.69	2,062.24	380.46	6.420		
12,400.00	7,087.79	7,120.79	7,120.79	156.52	246.86	90.36	1,864.46	-5,874.09	2,393.68	2,008.25	385.43	6.210		
12,500.00	7,086.62	7,119.62	7,119.62	159.30	246.82	90.33	1,864.46	-5,874.09	2,347.91	1,957.46	390.44	6.013		
12,600.00	7,085.46	7,118.46	7,118.46	162.08	246.78	90.30	1,864.46	-5,874.09	2,305.56	1,910.11	395.45	5.830		
12,700.00	7,084.30	7,117.30	7,117.30	164.86	246.74	90.26	1,864.46	-5,874.09	2,266.84	1,866.42	400.42	5.661		
12,800.00	7,083.13	7,116.13	7,116.13	167.65	246.70	90.23	1,864.46	-5,874.09	2,231.93	1,826.62	405.31	5.507		
12,900.00	7,081.97	7,114.97	7,114.97	170.44	246.66	90.20	1,864.46	-5,874.09	2,201.01	1,790.94	410.08	5.367		
13,000.00	7,080.81	7,113.81	7,113.81	173.23	246.62	90.17	1,864.46	-5,874.09	2,174.26	1,759.58	414.67	5.243		
13,100.00	7,079.64	7,112.64	7,112.64	176.02	246.58	90.14	1,864.46	-5,874.09	2,151.82	1,732.76	419.06	5.135		
13,200.00	7,078.48	7,111.48	7,111.48	178.81	246.54	90.11	1,864.46	-5,874.09	2,133.84	1,710.66	423.18	5.042		
13,300.00	7,077.32	7,110.32	7,110.32	181.61	246.50	90.07	1,864.46	-5,874.09	2,120.43	1,693.42	427.01	4.966		
13,400.00	7,076.16	7,109.16	7,109.16	184.40	246.46	90.04	1,864.46	-5,874.09	2,111.67	1,681.18	430.49	4.905		
13,500.00	7,074.99	7,107.99	7,107.99	187.20	246.42	90.01	1,864.46	-5,874.09	2,107.62	1,674.03	433.59	4.861		
13,535.37	7,074.58	7,107.58	7,107.58	188.19	246.40	90.00	1,864.46	-5,874.09	2,107.32	1,672.73	434.59	4.849 CC		
13,600.00	7,073.83	7,106.83	7,106.83	190.00	246.38	89.98	1,864.46	-5,874.09	2,108.31	1,672.02	436.29	4.832 ES		
13,700.00	7,072.67	7,105.67	7,105.67	192.80	246.34	89.95	1,864.46	-5,874.09	2,113.74	1,675.17	438.58	4.820 SF		
13,800.00	7,071.50	7,104.50	7,104.50	195.60	246.29	89.92	1,864.46	-5,874.09	2,123.87	1,683.44	440.43	4.822		
13,900.00	7,070.34	7,103.34	7,103.34	198.41	246.25	89.88	1,864.46	-5,874.09	2,138.63	1,696.78	441.86	4.840		
14,000.00	7,069.18	7,102.18	7,102.18	201.21	246.21	89.85	1,864.46	-5,874.09	2,157.93	1,715.07	442.86	4.873		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 - LA POUDRE SOUTH #4 - 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
14,100.00	7,068.01	7,101.01	7,101.01	204.02	246.17	89.82	1,864.46	-5,874.09	2,181.65	1,738.19	443.46	4.920	
14,200.00	7,066.85	7,100.15	7,099.85	206.82	246.14	89.79	1,864.46	-5,874.09	2,209.63	1,765.96	443.68	4.980	
14,300.00	7,065.69	7,101.31	7,098.69	209.63	246.18	89.76	1,864.46	-5,874.09	2,241.74	1,798.13	443.61	5.053	
14,400.00	7,064.52	7,102.48	7,097.52	212.44	246.22	89.73	1,864.46	-5,874.09	2,277.78	1,834.57	443.22	5.139	
14,500.00	7,063.36	7,103.64	7,096.36	215.25	246.26	89.69	1,864.46	-5,874.09	2,317.58	1,875.06	442.53	5.237	
14,600.00	7,062.20	7,104.80	7,095.20	218.06	246.31	89.66	1,864.46	-5,874.09	2,360.95	1,919.38	441.58	5.347	
14,700.00	7,061.03	7,105.97	7,094.03	220.87	246.35	89.63	1,864.46	-5,874.09	2,407.69	1,967.30	440.40	5.467	
14,800.00	7,059.87	7,107.13	7,092.87	223.68	246.39	89.60	1,864.46	-5,874.09	2,457.62	2,018.59	439.02	5.598	
14,900.00	7,058.71	7,108.29	7,091.71	226.49	246.43	89.57	1,864.46	-5,874.09	2,510.53	2,073.04	437.49	5.739	
15,000.00	7,057.54	7,109.46	7,090.54	229.30	246.47	89.54	1,864.46	-5,874.09	2,566.25	2,130.43	435.82	5.888	
15,100.00	7,056.38	7,089.38	7,089.38	232.12	245.77	89.51	1,864.46	-5,874.09	2,624.60	2,191.30	433.30	6.057	
15,200.00	7,055.22	7,088.22	7,088.22	234.93	245.73	89.47	1,864.46	-5,874.09	2,685.41	2,254.05	431.36	6.225	
15,300.00	7,054.05	7,087.05	7,087.05	237.75	245.69	89.44	1,864.46	-5,874.09	2,748.51	2,319.16	429.35	6.401	
15,400.00	7,052.89	7,085.89	7,085.89	240.56	245.65	89.41	1,864.46	-5,874.09	2,813.75	2,386.44	427.31	6.585	
15,500.00	7,051.73	7,084.73	7,084.73	243.38	245.60	89.38	1,864.46	-5,874.09	2,880.98	2,455.75	425.23	6.775	
15,600.00	7,050.56	7,083.56	7,083.56	246.20	245.56	89.35	1,864.46	-5,874.09	2,950.07	2,526.93	423.15	6.972	
15,648.52	7,050.00	7,083.00	7,083.00	247.57	245.54	89.33	1,864.46	-5,874.09	2,984.23	2,562.10	422.13	7.069	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	15,758.58	7,060.91	3.28	285.49	-1.34	1,557.09	-36.45	7,275.58					
100.00	100.00	15,758.54	7,060.91	3.28	285.49	-1.34	1,557.08	-36.49	7,177.93	7,061.07	116.85	61.426		
200.00	200.00	15,758.49	7,060.91	3.34	285.49	-1.34	1,557.08	-36.53	7,080.34	6,963.14	117.21	60.408		
300.00	300.00	15,758.45	7,060.91	3.44	285.49	-1.35	1,557.08	-36.57	6,982.83	6,865.25	117.58	59.386		
400.00	399.98	15,759.77	7,060.91	3.60	285.53	-101.33	1,557.12	-35.25	6,885.42	6,767.43	118.00	58.353		
500.00	499.84	15,763.81	7,060.91	3.80	285.66	-109.13	1,557.22	-31.22	6,788.25	6,669.79	118.46	57.302		
600.00	599.45	15,770.57	7,060.91	4.04	285.88	-116.05	1,557.41	-24.46	6,691.44	6,572.45	118.99	56.236		
682.50	681.36	15,778.18	7,060.90	4.26	286.13	-121.07	1,557.63	-16.86	6,611.93	6,492.46	119.46	55.346		
700.00	698.71	15,779.99	7,060.90	4.32	286.19	-121.02	1,557.68	-15.05	6,595.10	6,475.54	119.57	55.157		
800.00	797.82	15,790.32	7,060.90	4.62	286.53	-120.73	1,558.00	-4.72	6,499.02	6,378.82	120.20	54.070		
900.00	896.93	15,800.65	7,060.89	4.95	286.87	-120.44	1,558.33	5.61	6,403.03	6,282.18	120.85	52.982		
1,000.00	996.04	15,810.99	7,060.88	5.30	287.21	-120.15	1,558.68	15.93	6,307.15	6,185.61	121.54	51.893		
1,100.00	1,095.15	15,824.05	7,060.88	5.67	287.64	-119.78	1,559.15	28.99	6,211.37	6,089.07	122.30	50.786		
1,200.00	1,194.26	15,838.28	7,060.88	6.05	288.11	-119.38	1,559.63	43.21	6,115.70	5,992.58	123.12	49.674		
1,300.00	1,293.37	15,852.57	7,060.88	6.45	288.58	-118.97	1,560.09	57.49	6,020.14	5,896.17	123.97	48.562		
1,400.00	1,392.48	15,866.91	7,060.88	6.85	289.05	-118.55	1,560.53	71.83	5,924.69	5,799.83	124.86	47.450		
1,500.00	1,491.59	15,881.30	7,060.89	7.26	289.52	-118.14	1,560.96	86.22	5,829.36	5,703.57	125.79	46.340		
1,600.00	1,590.70	15,895.75	7,060.90	7.68	290.00	-117.72	1,561.36	100.66	5,734.16	5,607.38	126.77	45.232		
1,700.00	1,689.81	15,910.26	7,060.91	8.10	290.47	-117.29	1,561.74	115.16	5,639.09	5,511.29	127.80	44.125		
1,800.00	1,788.92	15,924.82	7,060.93	8.53	290.95	-116.86	1,562.10	129.71	5,544.15	5,415.28	128.87	43.020		
1,900.00	1,888.03	15,939.43	7,060.95	8.96	291.43	-116.43	1,562.43	144.32	5,449.36	5,319.36	130.00	41.917		
2,000.00	1,987.14	15,954.10	7,060.97	9.39	291.91	-115.99	1,562.75	158.99	5,354.73	5,223.54	131.19	40.818		
2,100.00	2,086.25	15,963.40	7,060.98	9.83	292.22	-115.71	1,563.00	168.28	5,260.27	5,127.92	132.35	39.746		
2,200.00	2,185.36	15,975.38	7,061.00	10.27	292.61	-115.35	1,563.31	180.26	5,165.98	5,032.37	133.61	38.664		
2,300.00	2,284.47	15,987.34	7,061.01	10.71	293.00	-114.99	1,563.63	192.22	5,071.88	4,936.94	134.94	37.586		
2,400.00	2,383.58	15,999.28	7,061.02	11.15	293.40	-114.62	1,563.97	204.15	4,977.98	4,841.64	136.34	36.513		
2,500.00	2,482.69	16,011.18	7,061.03	11.60	293.79	-114.26	1,564.33	216.05	4,884.29	4,746.48	137.80	35.444		
2,600.00	2,581.80	16,023.07	7,061.04	12.05	294.18	-113.89	1,564.70	227.93	4,790.82	4,651.47	139.35	34.380		
2,700.00	2,680.91	16,035.47	7,061.05	12.50	294.59	-113.50	1,565.10	240.32	4,697.58	4,556.60	140.98	33.321		
2,800.00	2,780.02	16,050.63	7,061.06	12.95	295.08	-113.03	1,565.58	255.48	4,604.59	4,461.84	142.75	32.257		
2,900.00	2,879.13	16,065.78	7,061.06	13.40	295.58	-112.56	1,566.06	270.62	4,511.85	4,367.25	144.60	31.202		
3,000.00	2,978.24	16,080.92	7,061.07	13.85	296.08	-112.08	1,566.51	285.75	4,419.39	4,272.84	146.55	30.156		
3,100.00	3,077.35	16,096.05	7,061.07	14.30	296.58	-111.60	1,566.96	300.87	4,327.21	4,178.61	148.60	29.121		
3,200.00	3,176.46	16,111.16	7,061.07	14.76	297.07	-111.12	1,567.38	315.98	4,235.34	4,084.59	150.75	28.096		
3,300.00	3,275.57	16,126.25	7,061.08	15.21	297.57	-110.63	1,567.80	331.07	4,143.80	3,990.79	153.01	27.083		
3,400.00	3,374.68	16,141.34	7,061.08	15.67	298.06	-110.15	1,568.19	346.15	4,052.61	3,897.22	155.38	26.082		
3,500.00	3,473.79	16,156.41	7,061.08	16.12	298.56	-109.66	1,568.58	361.21	3,961.79	3,803.91	157.88	25.094		
3,600.00	3,572.90	16,168.95	7,061.08	16.58	298.97	-109.25	1,568.89	373.75	3,871.38	3,710.92	160.46	24.127		
3,700.00	3,672.01	16,175.00	7,061.08	17.04	299.17	-109.05	1,569.05	379.80	3,781.41	3,618.37	163.04	23.193		
3,800.00	3,771.12	16,175.00	7,061.08	17.50	299.17	-109.05	1,569.05	379.80	3,691.95	3,526.31	165.64	22.289		
3,900.00	3,870.23	16,175.00	7,061.08	17.95	299.17	-109.05	1,569.05	379.80	3,603.05	3,434.67	168.38	21.398		
4,000.00	3,969.34	16,175.00	7,061.08	18.41	299.17	-109.05	1,569.05	379.80	3,514.75	3,343.49	171.26	20.523		
4,100.00	4,068.45	16,175.00	7,061.08	18.87	299.17	-109.05	1,569.05	379.80	3,427.08	3,252.79	174.29	19.663		
4,200.00	4,167.56	16,175.00	7,061.08	19.33	299.17	-109.05	1,569.05	379.80	3,340.11	3,162.63	177.49	18.819		
4,300.00	4,266.67	16,175.00	7,061.08	19.79	299.17	-109.05	1,569.05	379.80	3,253.89	3,073.04	180.85	17.992		
4,400.00	4,365.78	16,175.00	7,061.08	20.25	299.17	-109.05	1,569.05	379.80	3,168.48	2,984.10	184.39	17.184		
4,500.00	4,464.89	16,175.00	7,061.08	20.71	299.17	-109.05	1,569.05	379.80	3,083.95	2,895.84	188.11	16.395		
4,600.00	4,564.00	16,175.00	7,061.08	21.17	299.17	-109.05	1,569.05	379.80	3,000.37	2,808.35	192.02	15.625		
4,700.00	4,663.11	16,175.00	7,061.08	21.63	299.17	-109.05	1,569.05	379.80	2,917.82	2,721.69	196.13	14.877		
4,800.00	4,762.22	16,175.00	7,061.08	22.09	299.17	-109.05	1,569.05	379.80	2,836.39	2,635.95	200.45	14.150		
4,900.00	4,861.33	16,175.00	7,061.08	22.56	299.17	-109.05	1,569.05	379.80	2,756.19	2,551.21	204.97	13.447		
5,000.00	4,960.44	16,175.00	7,061.08	23.02	299.17	-109.05	1,569.05	379.80	2,677.32	2,467.60	209.72	12.766		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	16,175.00	7,061.08	23.48	299.17	-109.05	1,569.05	379.80	2,599.90	2,385.22	214.69	12.110		
5,200.00	5,158.66	16,175.00	7,061.08	23.94	299.17	-109.05	1,569.05	379.80	2,524.08	2,304.20	219.87	11.480		
5,300.00	5,257.77	16,175.00	7,061.08	24.40	299.17	-109.05	1,569.05	379.80	2,449.98	2,224.70	225.28	10.875		
5,400.00	5,356.88	16,175.00	7,061.08	24.87	299.17	-109.05	1,569.05	379.80	2,377.79	2,146.89	230.90	10.298		
5,500.00	5,455.99	16,175.00	7,061.08	25.33	299.17	-109.05	1,569.05	379.80	2,307.67	2,070.95	236.72	9.749		
5,600.00	5,555.10	16,175.00	7,061.08	25.79	299.17	-109.05	1,569.05	379.80	2,239.82	1,997.10	242.72	9.228		
5,700.00	5,654.21	16,175.00	7,061.08	26.25	299.17	-109.05	1,569.05	379.80	2,174.45	1,925.57	248.88	8.737		
5,800.00	5,753.32	16,175.00	7,061.08	26.72	299.17	-109.05	1,569.05	379.80	2,111.80	1,856.63	255.17	8.276		
5,900.00	5,852.43	16,175.00	7,061.08	27.18	299.17	-109.05	1,569.05	379.80	2,052.11	1,790.57	261.54	7.846		
6,000.00	5,951.54	16,175.00	7,061.08	27.64	299.17	-109.05	1,569.05	379.80	1,995.65	1,727.71	267.94	7.448		
6,100.00	6,050.65	16,175.00	7,061.08	28.11	299.17	-109.05	1,569.05	379.80	1,942.70	1,668.41	274.30	7.083		
6,200.00	6,149.76	16,175.00	7,061.08	28.57	299.17	-109.05	1,569.05	379.80	1,893.55	1,613.03	280.53	6.750		
6,300.00	6,248.87	16,175.00	7,061.08	29.03	299.17	-109.05	1,569.05	379.80	1,848.52	1,561.97	286.54	6.451		
6,400.00	6,347.98	16,175.00	7,061.08	29.50	299.17	-109.05	1,569.05	379.80	1,807.89	1,515.65	292.24	6.186		
6,475.54	6,422.84	16,175.00	7,061.08	29.85	299.17	-109.05	1,569.05	379.80	1,780.32	1,484.06	296.25	6.009		
6,500.00	6,447.14	16,175.00	7,061.08	29.96	299.17	-109.64	1,569.05	379.80	1,771.87	1,474.35	297.51	5.956		
6,550.00	6,497.05	16,175.00	7,061.08	30.17	299.17	-129.12	1,569.05	379.80	1,754.83	1,454.72	300.12	5.847		
6,600.00	6,547.02	16,175.00	7,061.08	30.37	299.17	85.50	1,569.05	379.80	1,738.21	1,435.48	302.74	5.742		
6,650.00	6,596.75	16,175.00	7,061.08	30.55	299.17	82.99	1,569.05	379.80	1,722.12	1,416.76	305.37	5.640		
6,700.00	6,645.93	16,175.00	7,061.08	30.74	299.17	83.28	1,569.05	379.80	1,706.68	1,398.69	307.99	5.541		
6,750.00	6,694.25	16,175.00	7,061.08	30.93	299.17	84.12	1,569.05	379.80	1,691.99	1,381.39	310.60	5.448		
6,800.00	6,741.43	16,175.00	7,061.08	31.12	299.17	85.09	1,569.05	379.80	1,678.17	1,365.01	313.16	5.359		
6,850.00	6,787.16	16,175.00	7,061.08	31.32	299.17	86.08	1,569.05	379.80	1,665.34	1,349.67	315.67	5.276		
6,900.00	6,831.16	16,175.00	7,061.08	31.52	299.17	87.02	1,569.05	379.80	1,653.58	1,335.49	318.09	5.199		
6,950.00	6,873.17	16,175.00	7,061.08	31.74	299.17	87.89	1,569.05	379.80	1,643.00	1,322.60	320.40	5.128		
7,000.00	6,912.92	16,175.00	7,061.08	31.96	299.17	88.67	1,569.05	379.80	1,633.69	1,311.09	322.59	5.064		
7,050.00	6,950.18	16,175.00	7,061.08	32.21	299.17	89.34	1,569.05	379.80	1,625.72	1,301.07	324.64	5.008		
7,100.00	6,984.70	16,175.00	7,061.08	32.48	299.17	89.88	1,569.05	379.80	1,619.17	1,292.63	326.54	4.959		
7,150.00	7,016.29	16,175.00	7,061.08	32.77	299.17	90.31	1,569.05	379.80	1,614.09	1,285.83	328.25	4.917		
7,200.00	7,044.73	16,175.00	7,061.08	33.10	299.17	90.60	1,569.05	379.80	1,610.53	1,280.74	329.78	4.884		
7,250.00	7,069.86	16,175.00	7,061.08	33.46	299.17	90.75	1,569.05	379.80	1,608.52	1,277.40	331.11	4.858		
7,289.04	7,087.08	16,175.00	7,061.08	33.77	299.17	90.78	1,569.05	379.80	1,608.04	1,276.02	332.01	4.843		
7,300.00	7,091.53	16,173.50	7,061.08	33.86	299.12	90.75	1,569.01	378.30	1,608.07	1,275.91	332.17	4.841 SF		
7,350.00	7,109.59	16,124.23	7,061.08	34.30	297.50	90.07	1,567.74	329.05	1,608.47	1,277.58	330.89	4.861		
7,400.00	7,123.94	16,070.85	7,061.06	34.78	295.75	89.48	1,566.21	275.69	1,608.86	1,279.40	329.46	4.883		
7,450.00	7,134.49	16,020.36	7,061.04	35.29	294.09	89.06	1,564.61	225.22	1,609.13	1,280.91	328.22	4.903		
7,500.00	7,141.18	15,978.37	7,061.00	35.84	292.71	88.83	1,563.39	183.25	1,609.49	1,282.04	327.45	4.915		
7,550.00	7,143.95	15,934.81	7,060.94	36.42	291.28	88.69	1,562.33	139.71	1,609.99	1,283.33	326.66	4.929		
7,567.79	7,144.00	15,913.28	7,060.91	36.63	290.57	88.68	1,561.81	118.18	1,610.14	1,284.04	326.11	4.937		
7,600.00	7,143.62	15,874.31	7,060.88	37.03	289.29	88.69	1,560.75	79.22	1,610.31	1,285.18	325.13	4.953		
7,674.73	7,142.75	15,794.71	7,060.89	38.03	286.68	88.72	1,558.14	-0.33	1,610.26	1,286.81	323.45	4.978		
7,700.00	7,142.46	15,775.12	7,060.90	38.38	286.03	88.73	1,557.54	-19.92	1,610.30	1,287.07	323.23	4.982		
7,800.00	7,141.29	15,688.04	7,060.95	39.88	283.17	88.77	1,555.59	-106.97	1,611.26	1,289.21	322.06	5.003		
7,900.00	7,140.13	15,582.70	7,061.00	41.53	279.71	88.82	1,553.16	-212.29	1,612.19	1,292.02	320.17	5.035		
8,000.00	7,138.97	15,475.88	7,061.02	43.30	276.21	88.86	1,550.45	-319.07	1,612.89	1,294.56	318.34	5.067		
8,100.00	7,137.80	15,366.11	7,060.93	45.18	272.61	88.90	1,546.98	-428.78	1,612.96	1,296.50	316.47	5.097		
8,132.20	7,137.43	15,337.19	7,060.93	45.82	271.66	88.92	1,545.99	-457.69	1,612.90	1,296.70	316.20	5.101		
8,200.00	7,136.64	15,289.92	7,060.79	47.16	270.11	88.93	1,544.76	-504.94	1,613.33	1,297.05	316.28	5.101		
8,300.00	7,135.48	15,225.27	7,060.32	49.22	267.98	88.94	1,544.11	-569.58	1,615.62	1,299.02	316.60	5.103		
8,400.00	7,134.32	8,400.00	7,059.24	51.36	62.26	88.95	1,544.70	-686.74	1,619.52	1,525.92	93.60	17.302		
8,500.00	7,133.15	14,919.95	7,053.27	53.56	257.99	88.82	1,535.94	-874.51	1,617.24	1,307.90	309.34	5.228		
8,600.00	7,131.99	14,827.62	7,050.02	55.82	254.99	88.74	1,530.13	-966.60	1,614.26	1,305.55	308.71	5.229		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,700.00	7,130.83	14,742.45	7,047.19	58.13	252.22	88.67	1,525.55	-1,051.60	1,612.18	1,303.68	308.50	5.226		
8,800.00	7,129.66	14,653.50	7,045.18	60.49	249.32	88.64	1,521.50	-1,140.43	1,610.90	1,302.78	308.12	5.228		
8,900.00	7,128.50	14,560.73	7,043.39	62.89	246.29	88.61	1,517.80	-1,233.11	1,610.19	1,302.60	307.59	5.235		
9,000.00	7,127.34	14,466.08	7,043.37	65.32	242.55	88.66	1,513.35	-1,347.67	1,609.58	1,303.56	306.02	5.260		
9,100.00	7,126.17	14,321.54	7,043.89	67.79	238.50	88.73	1,506.49	-1,472.02	1,607.26	1,303.31	303.95	5.288		
9,200.00	7,125.01	14,191.07	7,044.16	70.28	234.29	88.79	1,497.19	-1,602.16	1,603.36	1,301.84	301.52	5.318		
9,300.00	7,123.85	14,078.49	7,044.33	72.80	230.67	88.83	1,487.42	-1,714.31	1,597.87	1,297.80	300.07	5.325		
9,400.00	7,122.68	13,981.69	7,044.49	75.34	227.56	88.88	1,478.90	-1,810.74	1,592.30	1,292.76	299.54	5.316		
9,500.00	7,121.52	13,897.98	7,044.67	77.91	224.87	88.91	1,471.93	-1,894.15	1,587.22	1,287.44	299.78	5.295		
9,600.00	7,120.36	13,817.43	7,044.88	80.49	222.27	88.95	1,466.32	-1,974.51	1,583.47	1,283.29	300.17	5.275		
9,700.00	7,119.19	13,735.91	7,045.17	83.09	219.64	89.00	1,461.44	-2,055.89	1,580.73	1,280.23	300.50	5.260		
9,800.00	7,118.03	13,664.12	7,045.41	85.70	217.31	89.04	1,458.30	-2,127.60	1,579.59	1,278.30	301.28	5.243		
9,842.21	7,117.54	13,626.05	7,045.56	86.81	216.07	89.06	1,457.02	-2,165.65	1,579.53	1,278.31	301.22	5.244		
9,900.00	7,116.87	13,573.94	7,045.85	88.33	214.38	89.09	1,455.43	-2,217.73	1,579.64	1,278.51	301.13	5.246		
10,000.00	7,115.70	13,504.46	7,046.15	90.98	212.12	89.13	1,454.10	-2,287.20	1,580.95	1,279.04	301.92	5.236		
10,100.00	7,114.54	13,390.67	7,046.23	93.63	208.41	89.18	1,453.02	-2,400.98	1,583.31	1,282.63	300.67	5.266		
10,200.00	7,113.38	13,323.18	7,046.32	96.29	206.21	89.22	1,452.41	-2,468.47	1,585.67	1,284.17	301.51	5.259		
10,300.00	7,112.21	13,244.68	7,046.53	98.97	203.64	89.26	1,453.32	-2,546.96	1,590.02	1,288.22	301.79	5.269		
10,400.00	7,111.05	10,400.00	7,046.93	101.65	112.46	89.34	1,454.62	-2,702.64	1,594.66	1,383.76	210.90	7.561		
10,500.00	7,109.89	12,931.19	7,047.35	104.34	193.46	89.42	1,449.41	-2,860.33	1,594.84	1,299.41	295.43	5.398		
10,600.00	7,108.72	12,839.58	7,047.44	107.04	190.51	89.46	1,444.40	-2,951.81	1,592.63	1,297.31	295.32	5.393		
10,700.00	7,107.56	12,746.12	7,047.46	109.75	187.51	89.50	1,439.77	-3,045.15	1,590.93	1,295.82	295.11	5.391		
10,800.00	7,106.40	12,603.18	7,047.58	112.47	182.94	89.56	1,430.77	-3,187.80	1,587.73	1,295.41	292.33	5.431		
10,900.00	7,105.24	12,487.70	7,047.72	115.19	179.27	89.62	1,422.09	-3,302.95	1,583.50	1,292.55	290.95	5.443		
11,000.00	7,104.07	12,369.20	7,047.98	117.91	175.53	89.67	1,411.38	-3,420.96	1,577.67	1,288.29	289.38	5.452		
11,100.00	7,102.91	12,315.17	7,047.94	120.64	173.81	89.70	1,406.87	-3,474.80	1,572.72	1,281.25	291.47	5.396		
11,200.00	7,101.75	12,265.00	7,047.41	123.38	172.22	89.70	1,404.45	-3,524.91	1,571.07	1,277.53	293.53	5.352		
11,202.35	7,101.72	12,265.00	7,047.41	123.44	172.22	89.70	1,404.45	-3,524.91	1,571.06	1,277.43	293.64	5.350		
11,300.00	7,100.58	12,200.30	7,046.16	126.12	170.14	89.68	1,403.07	-3,589.58	1,572.14	1,277.47	294.68	5.335		
11,400.00	7,099.42	12,030.29	7,041.85	128.87	164.70	89.59	1,398.44	-3,759.45	1,573.15	1,282.38	290.76	5.410		
11,500.00	7,098.26	11,909.21	7,039.02	131.62	160.87	89.54	1,390.29	-3,880.22	1,569.58	1,280.43	289.15	5.428		
11,600.00	7,097.09	11,833.60	7,037.68	134.37	158.48	89.52	1,385.48	-3,955.67	1,566.53	1,276.55	289.98	5.402		
11,700.00	7,095.93	11,766.61	7,037.32	137.13	156.36	89.54	1,382.52	-4,022.58	1,565.38	1,274.21	291.17	5.376		
11,701.53	7,095.91	11,765.65	7,037.32	137.17	156.33	89.54	1,382.48	-4,023.55	1,565.38	1,274.19	291.19	5.376		
11,800.00	7,094.77	11,703.60	7,036.99	139.89	154.35	89.55	1,381.18	-4,085.58	1,566.52	1,274.10	292.42	5.357		
11,900.00	7,093.60	11,609.60	7,036.58	142.65	151.35	89.58	1,380.49	-4,179.57	1,569.04	1,276.82	292.22	5.369		
12,000.00	7,092.44	11,521.20	7,036.50	145.42	148.53	89.61	1,380.26	-4,267.98	1,572.03	1,279.78	292.25	5.379		
12,100.00	7,091.28	11,391.20	7,036.55	148.19	144.39	89.67	1,378.93	-4,397.96	1,574.19	1,283.69	290.49	5.419		
12,200.00	7,090.11	11,296.87	7,036.76	150.96	141.41	89.72	1,377.42	-4,492.28	1,575.83	1,285.52	290.31	5.428		
12,300.00	7,088.95	11,208.63	7,036.12	153.74	138.61	89.73	1,376.54	-4,580.52	1,578.10	1,287.71	290.39	5.434		
12,400.00	7,087.79	11,105.06	7,034.59	156.52	135.34	89.72	1,376.16	-4,684.07	1,581.00	1,291.20	289.80	5.456		
12,500.00	7,086.62	10,978.36	7,032.47	159.30	131.36	89.70	1,373.67	-4,810.73	1,582.22	1,294.05	288.17	5.491		
12,600.00	7,085.46	10,876.94	7,030.90	162.08	128.20	89.69	1,371.00	-4,912.10	1,582.84	1,295.15	287.70	5.502		
12,700.00	7,084.30	10,792.16	7,029.66	164.86	125.56	89.68	1,369.10	-4,996.85	1,583.88	1,295.90	287.98	5.500		
12,800.00	7,083.13	10,471.63	7,022.59	167.65	115.94	89.55	1,340.83	-5,315.63	1,577.84	1,302.43	275.41	5.729		
12,900.00	7,081.97	10,410.31	7,021.79	170.44	114.17	89.55	1,332.03	-5,376.32	1,566.73	1,289.17	277.55	5.645		
13,000.00	7,080.81	10,328.03	7,021.19	173.23	111.79	89.56	1,321.82	-5,457.95	1,557.52	1,279.19	278.32	5.596		
13,100.00	7,079.64	10,263.72	7,020.89	176.02	109.92	89.57	1,314.59	-5,521.86	1,549.63	1,269.50	280.13	5.532		
13,200.00	7,078.48	10,207.23	7,021.31	178.81	108.27	89.61	1,309.89	-5,578.15	1,544.52	1,262.28	282.24	5.472		
13,300.00	7,077.32	10,129.88	7,022.44	181.61	105.99	89.69	1,305.06	-5,655.34	1,541.51	1,258.39	283.12	5.445		
13,400.00	7,076.16	10,036.27	7,024.11	184.40	103.24	89.79	1,300.18	-5,748.81	1,539.54	1,256.37	283.16	5.437		
13,499.96	7,074.99	9,964.85	7,025.52	187.20	101.15	89.87	1,297.10	-5,820.14	1,538.51	1,254.24	284.27	5.412		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
13,500.00	7,074.99	9,964.83	7,025.52	187.20	101.15	89.87	1,297.10	-5,820.16	1,538.51	1,254.24	284.27	5.412		
13,600.00	7,073.83	9,899.72	7,026.78	190.00	99.24	89.95	1,295.68	-5,885.24	1,539.60	1,254.03	285.57	5.391		
13,700.00	7,072.67	9,839.00	7,027.96	192.80	97.45	90.02	1,295.80	-5,945.95	1,543.09	1,256.19	286.90	5.378		
13,800.00	7,071.50	9,769.19	7,029.28	195.60	95.38	90.10	1,297.51	-6,015.72	1,548.82	1,261.08	287.75	5.383		
13,900.00	7,070.34	9,691.41	7,030.46	198.41	93.09	90.17	1,300.89	-6,093.42	1,556.40	1,268.17	288.23	5.400		
14,000.00	7,069.18	9,613.18	7,030.76	201.21	90.79	90.22	1,305.19	-6,171.53	1,565.17	1,276.52	288.65	5.422		
14,100.00	7,068.01	9,524.38	7,030.87	204.02	88.19	90.26	1,311.45	-6,260.11	1,575.42	1,286.70	288.72	5.456		
14,200.00	7,066.85	9,369.88	7,030.98	206.82	83.76	90.32	1,319.68	-6,414.38	1,584.06	1,297.25	286.81	5.523		
14,300.00	7,065.69	9,256.71	7,030.29	209.63	80.63	90.34	1,322.87	-6,527.51	1,590.11	1,303.91	286.20	5.556		
14,400.00	7,064.52	9,188.97	7,029.64	212.44	78.78	90.35	1,325.14	-6,595.20	1,596.81	1,309.72	287.09	5.562		
14,500.00	7,063.36	9,014.28	7,028.36	215.25	74.20	90.37	1,329.13	-6,769.82	1,602.33	1,317.85	284.48	5.632		
14,600.00	7,062.20	8,799.06	7,026.01	218.06	69.12	90.38	1,321.68	-6,984.86	1,602.28	1,322.51	279.77	5.727		
14,700.00	7,061.03	8,694.70	7,025.56	220.87	66.95	90.41	1,313.92	-7,088.92	1,598.10	1,318.39	279.71	5.713		
14,800.00	7,059.87	8,593.48	7,026.03	223.68	65.00	90.47	1,306.65	-7,189.88	1,594.18	1,314.30	279.88	5.696		
14,900.00	7,058.71	8,442.45	7,027.49	226.49	62.49	90.58	1,292.48	-7,340.23	1,587.96	1,310.04	277.92	5.714		
15,000.00	7,057.54	8,333.65	7,028.41	229.30	61.00	90.67	1,280.36	-7,448.35	1,580.08	1,302.09	277.99	5.684		
15,100.00	7,056.38	8,238.94	7,029.24	232.12	59.90	90.74	1,269.75	-7,542.46	1,572.14	1,293.33	278.82	5.639		
15,200.00	7,055.22	8,153.73	7,029.94	234.93	59.04	90.81	1,260.74	-7,627.19	1,564.84	1,284.70	280.13	5.586		
15,300.00	7,054.05	8,073.47	7,030.58	237.75	58.34	90.87	1,253.11	-7,707.09	1,558.61	1,276.90	281.71	5.533		
15,400.00	7,052.89	7,937.40	7,031.18	240.56	57.42	90.95	1,239.73	-7,842.49	1,552.11	1,270.73	281.38	5.516		
15,500.00	7,051.73	7,822.01	7,029.36	243.38	56.88	90.94	1,226.24	-7,957.06	1,543.65	1,261.56	282.09	5.472		
15,600.00	7,050.56	7,774.00	7,026.59	246.20	56.72	90.86	1,220.35	-8,004.63	1,535.50	1,250.41	285.09	5.386		
15,648.52	7,050.00	7,732.61	7,022.85	247.57	56.56	90.74	1,216.09	-8,045.62	1,532.15	1,246.14	286.00	5.357 CC, ES		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-71.44	2,716.34	-8,089.79	8,812.82					
100.00	100.00	2,283.54	2,201.32	3.28	15.04	-71.51	2,702.27	-8,083.21	8,788.07	8,771.18	16.89	520.460		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.59	2,687.97	-8,077.17	8,764.06	8,746.84	17.22	508.936		
300.00	300.00	2,357.82	2,270.92	3.44	15.66	-71.65	2,678.27	-8,073.36	8,740.72	8,723.21	17.51	499.219		
400.00	399.98	2,418.00	2,327.31	3.60	16.16	-163.38	2,658.53	-8,066.11	8,719.67	8,701.61	18.06	482.873		
500.00	499.84	2,459.18	2,365.89	3.80	16.50	-163.57	2,644.93	-8,061.40	8,702.43	8,683.91	18.52	470.006		
600.00	599.45	2,576.48	2,475.81	4.04	17.48	-163.88	2,606.16	-8,048.19	8,688.88	8,669.30	19.58	443.805		
682.50	681.36	2,712.29	2,603.18	4.26	18.61	-164.20	2,562.16	-8,031.23	8,679.37	8,658.60	20.76	417.985		
700.00	698.71	2,718.61	2,609.10	4.32	18.67	-164.22	2,560.13	-8,030.44	8,677.64	8,656.78	20.86	416.074		
800.00	797.82	2,775.00	2,662.03	4.62	19.14	-164.33	2,541.88	-8,023.74	8,668.25	8,646.69	21.56	402.109		
900.00	896.93	2,775.00	2,662.03	4.95	19.14	-164.33	2,541.88	-8,023.74	8,659.52	8,637.64	21.88	395.818		
1,000.00	996.04	2,837.10	2,720.33	5.30	19.66	-164.46	2,521.54	-8,017.07	8,651.45	8,628.77	22.68	381.499		
1,100.00	1,095.15	2,899.18	2,778.55	5.67	20.17	-164.59	2,500.88	-8,011.00	8,644.07	8,620.57	23.50	367.835		
1,200.00	1,194.26	2,999.41	2,872.56	6.05	21.01	-164.81	2,467.51	-8,001.27	8,636.89	8,612.27	24.63	350.722		
1,300.00	1,293.37	3,090.08	2,957.60	6.45	21.77	-165.01	2,437.32	-7,992.40	8,629.78	8,604.09	25.70	335.835		
1,400.00	1,392.48	3,214.76	3,074.55	6.85	22.82	-165.27	2,395.86	-7,980.18	8,622.81	8,595.78	27.04	318.948		
1,500.00	1,491.59	3,341.39	3,193.30	7.26	23.88	-165.54	2,353.99	-7,966.80	8,615.24	8,586.84	28.40	303.384		
1,600.00	1,590.70	3,975.65	3,788.10	7.68	29.28	-166.81	2,153.35	-7,878.93	8,607.49	8,574.13	33.37	257.971		
1,700.00	1,689.81	4,028.00	3,837.19	8.10	29.73	-166.91	2,137.74	-7,869.62	8,594.54	8,560.37	34.17	251.525		
1,800.00	1,788.92	4,028.00	3,837.19	8.53	29.73	-166.91	2,137.74	-7,869.62	8,582.40	8,547.78	34.63	247.858		
1,900.00	1,888.03	4,075.69	3,881.96	8.96	30.14	-167.00	2,123.33	-7,861.73	8,570.92	8,535.50	35.42	241.996		
2,000.00	1,987.14	4,117.00	3,920.77	9.39	30.49	-167.08	2,110.60	-7,855.57	8,560.46	8,524.29	36.17	236.674		
2,100.00	2,086.25	4,136.61	3,939.20	9.83	30.65	-167.12	2,104.47	-7,852.83	8,550.74	8,513.96	36.78	232.493		
2,200.00	2,185.36	4,185.21	3,984.82	10.27	31.07	-167.22	2,089.04	-7,846.29	8,541.74	8,504.14	37.60	227.172		
2,300.00	2,284.47	4,262.89	4,057.65	10.71	31.74	-167.38	2,063.91	-7,836.37	8,533.28	8,494.63	38.64	220.818		
2,400.00	2,383.58	4,385.38	4,172.48	11.15	32.79	-167.63	2,024.31	-7,820.56	8,524.82	8,484.80	40.02	212.989		
2,500.00	2,482.69	4,747.53	4,512.02	11.60	35.91	-168.36	1,910.77	-7,766.32	8,514.93	8,471.83	43.10	197.564		
2,600.00	2,581.80	4,795.18	4,556.68	12.05	36.32	-168.45	1,896.14	-7,758.46	8,503.79	8,459.86	43.93	193.573		
2,700.00	2,680.91	4,849.87	4,607.93	12.50	36.80	-168.56	1,879.12	-7,749.80	8,493.25	8,448.44	44.82	189.517		
2,800.00	2,780.02	4,923.00	4,676.44	12.95	37.43	-168.71	1,856.13	-7,738.55	8,483.16	8,437.32	45.84	185.066		
2,900.00	2,879.13	5,005.97	4,754.14	13.40	38.15	-168.88	1,829.92	-7,725.99	8,473.36	8,426.43	46.94	180.521		
3,000.00	2,978.24	5,059.38	4,804.19	13.85	38.62	-168.99	1,813.03	-7,718.06	8,463.94	8,416.11	47.83	176.965		
3,100.00	3,077.35	5,102.00	4,844.14	14.30	38.98	-169.07	1,799.50	-7,711.95	8,455.12	8,406.48	48.64	173.825		
3,200.00	3,176.46	5,172.58	4,910.35	14.76	39.59	-169.22	1,777.07	-7,702.18	8,446.82	8,397.15	49.66	170.085		
3,300.00	3,275.57	5,234.74	4,968.69	15.21	40.13	-169.35	1,757.33	-7,693.83	8,439.01	8,388.38	50.62	166.705		
3,400.00	3,374.68	5,298.90	5,028.99	15.67	40.67	-169.48	1,737.05	-7,685.44	8,431.67	8,380.07	51.60	163.407		
3,500.00	3,473.79	5,370.00	5,095.76	16.12	41.28	-169.63	1,714.35	-7,676.46	8,424.77	8,372.13	52.63	160.071		
3,600.00	3,572.90	5,426.53	5,148.83	16.58	41.76	-169.75	1,696.14	-7,669.57	8,418.32	8,364.76	53.56	157.177		
3,700.00	3,672.01	5,495.99	5,214.10	17.04	42.35	-169.90	1,673.83	-7,661.37	8,412.36	8,357.78	54.59	154.114		
3,800.00	3,771.12	5,625.60	5,336.00	17.50	43.45	-170.17	1,632.57	-7,646.01	8,406.61	8,350.55	56.06	149.947		
3,900.00	3,870.23	5,671.35	5,378.99	17.95	43.84	-170.27	1,617.90	-7,640.53	8,400.82	8,343.91	56.92	147.603		
4,000.00	3,969.34	5,728.00	5,432.23	18.41	44.32	-170.40	1,599.55	-7,634.38	8,395.91	8,338.06	57.85	145.130		
4,100.00	4,068.45	4,100.00	5,682.26	18.87	30.36	-170.97	1,513.23	-7,603.02	8,390.84	8,344.98	45.86	182.975		
4,200.00	4,167.56	6,040.82	5,725.88	19.33	47.00	-171.07	1,498.50	-7,596.94	8,384.44	8,323.18	61.26	136.871		
4,300.00	4,266.67	6,086.00	5,768.33	19.79	47.38	-171.17	1,484.06	-7,591.45	8,378.84	8,316.73	62.11	134.899		
4,400.00	4,365.78	6,314.85	5,983.11	20.25	49.35	-171.65	1,411.04	-7,561.41	8,372.11	8,307.75	64.36	130.089		
4,500.00	4,464.89	6,355.00	6,020.78	20.71	49.70	-171.74	1,398.19	-7,556.18	8,365.84	8,300.66	65.18	128.350		
4,600.00	4,564.00	6,355.00	6,020.78	21.17	49.70	-171.74	1,398.19	-7,556.18	8,360.44	8,294.74	65.70	127.258		
4,700.00	4,663.11	6,399.49	6,062.53	21.63	50.08	-171.84	1,383.72	-7,550.96	8,355.83	8,289.28	66.56	125.547		
4,800.00	4,762.22	6,445.00	6,105.23	22.09	50.47	-171.94	1,368.70	-7,546.28	8,352.23	8,284.81	67.42	123.881		
4,900.00	4,861.33	6,445.00	6,105.23	22.56	50.47	-171.94	1,368.70	-7,546.28	8,349.40	8,281.48	67.92	122.926		
5,000.00	4,960.44	6,496.61	6,153.73	23.02	50.90	-172.05	1,351.70	-7,541.54	8,347.37	8,278.54	68.83	121.274		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	6,534.00	6,188.96	23.48	51.21	-172.14	1,339.59	-7,538.36	8,346.14	8,276.52	69.62	119.878		
5,170.48	5,129.40	6,534.00	6,188.96	23.81	51.21	-172.14	1,339.59	-7,538.36	8,345.84	8,275.88	69.96	119.289		
5,200.00	5,158.66	6,534.00	6,188.96	23.94	51.21	-172.14	1,339.59	-7,538.36	8,345.89	8,275.79	70.11	119.048		
5,300.00	5,257.77	6,534.00	6,188.96	24.40	51.21	-172.14	1,339.59	-7,538.36	8,346.84	8,276.27	70.58	118.263		
5,400.00	5,356.88	6,534.00	6,188.96	24.87	51.21	-172.14	1,339.59	-7,538.36	8,349.00	8,277.95	71.04	117.521		
5,500.00	5,455.99	6,581.67	6,233.97	25.33	51.59	-172.24	1,324.18	-7,535.41	8,351.25	8,279.36	71.90	116.158		
5,600.00	5,555.10	6,624.00	6,273.97	25.79	51.92	-172.34	1,310.37	-7,534.44	8,355.64	8,282.94	72.70	114.930		
5,700.00	5,654.21	6,624.00	6,273.97	26.25	51.92	-172.34	1,310.37	-7,534.44	8,360.36	8,287.22	73.15	114.298		
5,800.00	5,753.32	6,624.00	6,273.97	26.72	51.92	-172.34	1,310.37	-7,534.44	8,366.28	8,292.70	73.58	113.707		
5,900.00	5,852.43	6,624.00	6,273.97	27.18	51.92	-172.34	1,310.37	-7,534.44	8,373.38	8,299.38	74.00	113.154		
6,000.00	5,951.54	6,624.00	6,273.97	27.64	51.92	-172.34	1,310.37	-7,534.44	8,381.67	8,307.26	74.41	112.639		
6,100.00	6,050.65	6,624.00	6,273.97	28.11	51.92	-172.34	1,310.37	-7,534.44	8,391.15	8,316.33	74.81	112.162		
6,200.00	6,149.76	6,624.00	6,273.97	28.57	51.92	-172.34	1,310.37	-7,534.44	8,401.80	8,326.60	75.20	111.721		
6,300.00	6,248.87	6,624.00	6,273.97	29.03	51.92	-172.34	1,310.37	-7,534.44	8,413.63	8,338.05	75.58	111.317		
6,400.00	6,347.98	6,624.00	6,273.97	29.50	51.92	-172.34	1,310.37	-7,534.44	8,426.63	8,350.68	75.95	110.948		
6,475.54	6,422.84	6,668.75	6,316.25	29.85	52.23	-172.45	1,295.74	-7,535.66	8,435.70	8,359.07	76.63	110.087		
6,500.00	6,447.14	6,670.52	6,317.91	29.96	52.24	-173.87	1,295.17	-7,535.77	8,438.69	8,361.96	76.73	109.979		
6,550.00	6,497.05	6,714.00	6,358.83	30.17	52.54	164.91	1,281.06	-7,539.78	8,443.36	8,366.07	77.29	109.239		
6,600.00	6,547.02	6,714.00	6,358.83	30.37	52.54	17.99	1,281.06	-7,539.78	8,443.03	8,365.59	77.44	109.028		
6,650.00	6,596.75	6,714.00	6,358.83	30.55	52.54	14.04	1,281.06	-7,539.78	8,439.14	8,361.58	77.56	108.805		
6,700.00	6,645.93	6,714.00	6,358.83	30.74	52.54	13.02	1,281.06	-7,539.78	8,431.72	8,354.05	77.67	108.557		
6,750.00	6,694.25	6,714.00	6,358.83	30.93	52.54	12.68	1,281.06	-7,539.78	8,420.79	8,343.02	77.76	108.287		
6,800.00	6,741.43	6,714.00	6,358.83	31.12	52.54	12.63	1,281.06	-7,539.78	8,406.41	8,328.57	77.84	107.995		
6,850.00	6,787.16	6,714.00	6,358.83	31.32	52.54	12.77	1,281.06	-7,539.78	8,388.66	8,310.76	77.90	107.682		
6,900.00	6,831.16	6,714.00	6,358.83	31.52	52.54	13.07	1,281.06	-7,539.78	8,367.62	8,289.67	77.95	107.349		
6,950.00	6,873.17	6,714.00	6,358.83	31.74	52.54	13.50	1,281.06	-7,539.78	8,343.39	8,265.41	77.98	106.995		
7,000.00	6,912.92	6,714.00	6,358.83	31.96	52.54	14.09	1,281.06	-7,539.78	8,316.10	8,238.11	78.00	106.621		
7,050.00	6,950.18	6,714.00	6,358.83	32.21	52.54	14.84	1,281.06	-7,539.78	8,285.90	8,207.89	78.00	106.226		
7,100.00	6,984.70	6,714.00	6,358.83	32.48	52.54	15.79	1,281.06	-7,539.78	8,252.92	8,174.92	78.00	105.810		
7,150.00	7,016.29	6,714.00	6,358.83	32.77	52.54	17.00	1,281.06	-7,539.78	8,217.35	8,139.36	77.98	105.372		
7,200.00	7,044.73	6,714.00	6,358.83	33.10	52.54	18.52	1,281.06	-7,539.78	8,179.37	8,101.41	77.96	104.913		
7,250.00	7,069.86	6,714.00	6,358.83	33.46	52.54	20.48	1,281.06	-7,539.78	8,139.18	8,061.25	77.94	104.432		
7,300.00	7,091.53	6,714.00	6,358.83	33.86	52.54	23.02	1,281.06	-7,539.78	8,097.01	8,019.10	77.91	103.929		
7,350.00	7,109.59	6,714.00	6,358.83	34.30	52.54	26.41	1,281.06	-7,539.78	8,053.07	7,975.19	77.88	103.404		
7,400.00	7,123.94	6,714.00	6,358.83	34.78	52.54	31.05	1,281.06	-7,539.78	8,007.62	7,929.77	77.85	102.857		
7,450.00	7,134.49	6,714.00	6,358.83	35.29	52.54	37.61	1,281.06	-7,539.78	7,960.92	7,883.09	77.83	102.288		
7,500.00	7,141.18	6,714.00	6,358.83	35.84	52.54	47.18	1,281.06	-7,539.78	7,913.22	7,835.41	77.81	101.698		
7,550.00	7,143.95	6,714.00	6,358.83	36.42	52.54	61.19	1,281.06	-7,539.78	7,864.81	7,787.01	77.80	101.087		
7,567.79	7,144.00	6,714.00	6,358.83	36.63	52.54	67.46	1,281.06	-7,539.78	7,847.47	7,769.67	77.80	100.864		
7,600.00	7,143.62	6,714.00	6,358.83	37.03	52.54	67.46	1,281.06	-7,539.78	7,816.04	7,738.23	77.80	100.460		
7,700.00	7,142.46	6,714.00	6,358.83	38.38	52.54	67.46	1,281.06	-7,539.78	7,718.49	7,640.68	77.81	99.197		
7,800.00	7,141.29	6,714.00	6,358.83	39.88	52.54	67.46	1,281.06	-7,539.78	7,621.00	7,543.17	77.83	97.916		
7,900.00	7,140.13	6,714.00	6,358.83	41.53	52.54	67.46	1,281.06	-7,539.78	7,523.58	7,445.71	77.87	96.618		
8,000.00	7,138.97	6,714.00	6,358.83	43.30	52.54	67.46	1,281.06	-7,539.78	7,426.23	7,348.31	77.92	95.302		
8,100.00	7,137.80	6,714.00	6,358.83	45.18	52.54	67.46	1,281.06	-7,539.78	7,328.95	7,250.96	77.99	93.968		
8,200.00	7,136.64	6,714.00	6,358.83	47.16	52.54	67.46	1,281.06	-7,539.78	7,231.75	7,153.66	78.08	92.616		
8,300.00	7,135.48	6,714.00	6,358.83	49.22	52.54	67.46	1,281.06	-7,539.78	7,134.62	7,056.43	78.19	91.245		
8,400.00	7,134.32	6,714.00	6,358.83	51.36	52.54	67.46	1,281.06	-7,539.78	7,037.57	6,959.25	78.32	89.855		
8,500.00	7,133.15	6,714.00	6,358.83	53.56	52.54	67.46	1,281.06	-7,539.78	6,940.61	6,862.13	78.47	88.447		
8,600.00	7,131.99	6,714.00	6,358.83	55.82	52.54	67.46	1,281.06	-7,539.78	6,843.73	6,765.08	78.65	87.020		
8,700.00	7,130.83	6,714.00	6,358.83	58.13	52.54	67.46	1,281.06	-7,539.78	6,746.94	6,668.10	78.84	85.573		
8,800.00	7,129.66	6,714.00	6,358.83	60.49	52.54	67.46	1,281.06	-7,539.78	6,650.25	6,571.19	79.07	84.109		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,714.00	6,358.83	62.89	52.54	67.46	1,281.06	-7,539.78	6,553.66	6,474.34	79.32	82.626		
9,000.00	7,127.34	6,714.00	6,358.83	65.32	52.54	67.46	1,281.06	-7,539.78	6,457.17	6,377.58	79.60	81.125		
9,100.00	7,126.17	6,752.90	6,395.25	67.79	52.76	68.45	1,268.66	-7,545.55	6,359.67	6,279.41	80.25	79.245		
9,200.00	7,125.01	6,754.76	6,396.98	70.28	52.77	68.50	1,268.08	-7,545.87	6,263.29	6,182.69	80.61	77.703		
9,300.00	7,123.85	6,756.66	6,398.76	72.80	52.78	68.54	1,267.48	-7,546.21	6,167.02	6,086.03	80.99	76.145		
9,400.00	7,122.68	6,758.62	6,400.58	75.34	52.79	68.59	1,266.87	-7,546.56	6,070.87	5,989.46	81.41	74.573		
9,500.00	7,121.52	6,760.63	6,402.46	77.91	52.80	68.65	1,266.24	-7,546.93	5,974.84	5,892.98	81.86	72.987		
9,600.00	7,120.36	6,762.70	6,404.39	80.49	52.82	68.70	1,265.59	-7,547.32	5,878.93	5,796.58	82.35	71.388		
9,700.00	7,119.19	6,803.00	6,441.77	83.09	53.04	69.76	1,253.24	-7,555.88	5,784.26	5,701.06	83.20	69.525		
9,800.00	7,118.03	6,803.00	6,441.77	85.70	53.04	69.76	1,253.24	-7,555.88	5,688.50	5,604.76	83.74	67.928		
9,900.00	7,116.87	6,803.00	6,441.77	88.33	53.04	69.76	1,253.24	-7,555.88	5,592.89	5,508.56	84.33	66.322		
10,000.00	7,115.70	6,803.00	6,441.77	90.98	53.04	69.76	1,253.24	-7,555.88	5,497.44	5,412.48	84.96	64.706		
10,100.00	7,114.54	6,803.00	6,441.77	93.63	53.04	69.76	1,253.24	-7,555.88	5,402.15	5,316.52	85.64	63.082		
10,200.00	7,113.38	6,803.00	6,441.77	96.29	53.04	69.76	1,253.24	-7,555.88	5,307.04	5,220.68	86.36	61.452		
10,300.00	7,112.21	6,803.00	6,441.77	98.97	53.04	69.76	1,253.24	-7,555.88	5,212.11	5,124.98	87.13	59.817		
10,400.00	7,111.05	6,803.00	6,441.77	101.65	53.04	69.76	1,253.24	-7,555.88	5,117.37	5,029.41	87.96	58.179		
10,500.00	7,109.89	6,803.00	6,441.77	104.34	53.04	69.76	1,253.24	-7,555.88	5,022.84	4,934.00	88.84	56.539		
10,600.00	7,108.72	6,803.00	6,441.77	107.04	53.04	69.76	1,253.24	-7,555.88	4,928.52	4,838.75	89.77	54.900		
10,700.00	7,107.56	6,803.00	6,441.77	109.75	53.04	69.76	1,253.24	-7,555.88	4,834.43	4,743.66	90.77	53.261		
10,800.00	7,106.40	6,803.00	6,441.77	112.47	53.04	69.76	1,253.24	-7,555.88	4,740.58	4,648.76	91.82	51.627		
10,900.00	7,105.24	6,803.00	6,441.77	115.19	53.04	69.76	1,253.24	-7,555.88	4,646.99	4,554.05	92.94	49.997		
11,000.00	7,104.07	6,803.00	6,441.77	117.91	53.04	69.76	1,253.24	-7,555.88	4,553.68	4,459.54	94.13	48.375		
11,100.00	7,102.91	6,803.00	6,441.77	120.64	53.04	69.76	1,253.24	-7,555.88	4,460.65	4,365.26	95.39	46.761		
11,200.00	7,101.75	6,803.00	6,441.77	123.38	53.04	69.76	1,253.24	-7,555.88	4,367.93	4,271.20	96.72	45.158		
11,300.00	7,100.58	6,803.00	6,441.77	126.12	53.04	69.76	1,253.24	-7,555.88	4,275.53	4,177.40	98.14	43.568		
11,400.00	7,099.42	6,803.00	6,441.77	128.87	53.04	69.76	1,253.24	-7,555.88	4,183.49	4,083.87	99.63	41.992		
11,500.00	7,098.26	6,803.00	6,441.77	131.62	53.04	69.76	1,253.24	-7,555.88	4,091.82	3,990.62	101.20	40.432		
11,600.00	7,097.09	6,803.00	6,441.77	134.37	53.04	69.76	1,253.24	-7,555.88	4,000.55	3,897.68	102.87	38.890		
11,700.00	7,095.93	6,803.00	6,441.77	137.13	53.04	69.76	1,253.24	-7,555.88	3,909.71	3,805.08	104.63	37.367		
11,800.00	7,094.77	6,803.00	6,441.77	139.89	53.04	69.76	1,253.24	-7,555.88	3,819.33	3,712.84	106.49	35.866		
11,900.00	7,093.60	6,840.04	6,475.77	142.65	53.21	70.75	1,242.14	-7,565.50	3,728.49	3,619.93	108.55	34.347		
12,000.00	7,092.44	6,845.59	6,480.83	145.42	53.23	70.90	1,240.49	-7,567.08	3,638.81	3,528.18	110.63	32.892		
12,100.00	7,091.28	6,851.40	6,486.11	148.19	53.26	71.06	1,238.76	-7,568.76	3,549.64	3,436.83	112.82	31.464		
12,200.00	7,090.11	6,857.48	6,491.63	150.96	53.28	71.22	1,236.95	-7,570.57	3,461.01	3,345.90	115.12	30.065		
12,300.00	7,088.95	6,892.00	6,522.72	153.74	53.44	72.17	1,226.78	-7,581.60	3,373.52	3,255.95	117.57	28.694		
12,400.00	7,087.79	6,892.00	6,522.72	156.52	53.44	72.17	1,226.78	-7,581.60	3,285.87	3,165.75	120.11	27.356		
12,500.00	7,086.62	6,892.00	6,522.72	159.30	53.44	72.17	1,226.78	-7,581.60	3,198.94	3,076.14	122.80	26.050		
12,600.00	7,085.46	6,892.00	6,522.72	162.08	53.44	72.17	1,226.78	-7,581.60	3,112.80	2,987.16	125.64	24.776		
12,700.00	7,084.30	6,892.00	6,522.72	164.86	53.44	72.17	1,226.78	-7,581.60	3,027.51	2,898.87	128.63	23.536		
12,800.00	7,083.13	6,892.00	6,522.72	167.65	53.44	72.17	1,226.78	-7,581.60	2,943.14	2,811.35	131.79	22.331		
12,900.00	7,081.97	6,892.00	6,522.72	170.44	53.44	72.17	1,226.78	-7,581.60	2,859.78	2,724.65	135.13	21.163		
13,000.00	7,080.81	6,892.00	6,522.72	173.23	53.44	72.17	1,226.78	-7,581.60	2,777.53	2,638.88	138.65	20.033		
13,100.00	7,079.64	6,892.00	6,522.72	176.02	53.44	72.17	1,226.78	-7,581.60	2,696.47	2,554.11	142.36	18.942		
13,200.00	7,078.48	6,931.73	6,557.83	178.81	53.58	73.26	1,215.22	-7,596.15	2,615.41	2,469.24	146.17	17.892		
13,300.00	7,077.32	6,941.10	6,565.98	181.61	53.61	73.52	1,212.52	-7,599.90	2,536.42	2,386.16	150.26	16.881		
13,400.00	7,076.16	6,982.00	6,600.94	184.40	53.76	74.65	1,200.86	-7,617.62	2,459.58	2,305.19	154.39	15.931		
13,500.00	7,074.99	6,982.00	6,600.94	187.20	53.76	74.65	1,200.86	-7,617.62	2,382.98	2,224.04	158.94	14.993		
13,600.00	7,073.83	6,982.00	6,600.94	190.00	53.76	74.65	1,200.86	-7,617.62	2,308.18	2,144.45	163.73	14.097		
13,700.00	7,072.67	6,982.00	6,600.94	192.80	53.76	74.65	1,200.86	-7,617.62	2,235.36	2,066.60	168.76	13.246		
13,800.00	7,071.50	6,982.00	6,600.94	195.60	53.76	74.65	1,200.86	-7,617.62	2,164.70	1,990.67	174.02	12.439		
13,900.00	7,070.34	6,982.00	6,600.94	198.41	53.76	74.65	1,200.86	-7,617.62	2,096.43	1,916.91	179.52	11.678		
14,000.00	7,069.18	7,018.69	6,631.27	201.21	53.85	75.65	1,190.77	-7,635.61	2,029.43	1,844.40	185.04	10.968		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,068.01	7,031.84	6,641.86	204.02	53.88	76.01	1,187.28	-7,642.58	1,965.56	1,774.64	190.92	10.295	
14,200.00	7,066.85	7,071.00	6,672.42	206.82	53.98	77.05	1,177.31	-7,664.93	1,905.03	1,708.28	196.75	9.682	
14,300.00	7,065.69	7,071.00	6,672.42	209.63	53.98	77.05	1,177.31	-7,664.93	1,846.29	1,643.12	203.17	9.087	
14,400.00	7,064.52	7,071.00	6,672.42	212.44	53.98	77.05	1,177.31	-7,664.93	1,791.21	1,581.46	209.75	8.540	
14,500.00	7,063.36	7,071.00	6,672.42	215.25	53.98	77.05	1,177.31	-7,664.93	1,740.14	1,523.69	216.45	8.040	
14,600.00	7,062.20	7,114.92	6,704.95	218.06	54.03	78.19	1,167.11	-7,692.61	1,691.56	1,468.66	222.90	7.589	
14,700.00	7,061.03	7,161.00	6,737.02	220.87	54.09	79.35	1,157.75	-7,724.33	1,648.09	1,418.80	229.29	7.188	
14,800.00	7,059.87	7,161.00	6,737.02	223.68	54.09	79.35	1,157.75	-7,724.33	1,607.48	1,371.29	236.20	6.806	
14,900.00	7,058.71	7,161.00	6,737.02	226.49	54.09	79.35	1,157.75	-7,724.33	1,572.20	1,329.24	242.96	6.471	
15,000.00	7,057.54	7,211.25	6,769.51	229.30	54.11	80.56	1,149.10	-7,761.66	1,540.43	1,291.23	249.19	6.182	
15,100.00	7,056.38	7,250.00	6,792.75	232.12	54.12	81.44	1,143.51	-7,792.15	1,513.67	1,258.39	255.28	5.930	
15,200.00	7,055.22	7,250.00	6,792.75	234.93	54.12	81.44	1,143.51	-7,792.15	1,491.80	1,230.46	261.34	5.708	
15,300.00	7,054.05	7,302.72	6,821.67	237.75	54.08	82.55	1,137.70	-7,835.82	1,473.94	1,207.15	266.79	5.525	
15,400.00	7,052.89	7,340.00	6,840.15	240.56	54.06	83.28	1,134.95	-7,868.08	1,461.27	1,189.39	271.88	5.375	
15,500.00	7,051.73	7,376.98	6,856.73	243.38	54.01	83.95	1,133.17	-7,901.08	1,453.13	1,176.56	276.57	5.254	
15,600.00	7,050.56	7,429.00	6,876.89	246.20	53.94	84.76	1,131.96	-7,949.00	1,449.25	1,168.42	280.83	5.161	
15,648.52	7,050.00	7,447.00	6,883.03	247.57	53.91	85.01	1,131.86	-7,965.93	1,448.72	1,165.97	282.75	5.124 CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-86.43	463.79	-7,437.47	7,451.93					
100.00	100.00	87.00	87.00	3.28	3.61	-86.43	463.79	-7,437.47	7,451.92	7,445.02	6.90	1,080.114		
200.00	200.00	187.00	187.00	3.34	5.80	-86.43	463.79	-7,437.47	7,451.92	7,442.78	9.14	815.632		
300.00	300.00	287.00	287.00	3.44	8.90	-86.43	463.79	-7,437.47	7,451.92	7,439.57	12.35	603.637		
400.00	399.98	386.98	386.98	3.60	12.21	-177.93	463.79	-7,437.47	7,453.66	7,437.85	15.81	471.378		
500.00	499.84	486.84	486.84	3.80	15.60	-177.93	463.79	-7,437.47	7,458.89	7,439.49	19.40	384.533		
600.00	599.45	586.45	586.45	4.04	19.01	-177.92	463.79	-7,437.47	7,467.60	7,444.55	23.05	323.965		
682.50	681.36	668.36	668.36	4.26	21.83	-177.92	463.79	-7,437.47	7,477.40	7,451.30	26.10	286.519		
700.00	698.71	685.71	685.71	4.32	22.43	-177.92	463.79	-7,437.47	7,479.73	7,452.98	26.75	279.632		
800.00	797.82	784.82	784.82	4.62	25.86	-177.92	463.79	-7,437.47	7,493.03	7,462.56	30.47	245.913		
900.00	896.93	883.93	883.93	4.95	29.30	-177.93	463.79	-7,437.47	7,506.33	7,472.11	34.22	219.334		
1,000.00	996.04	983.04	983.04	5.30	32.74	-177.93	463.79	-7,437.47	7,519.64	7,481.64	38.00	197.881		
1,100.00	1,095.15	1,082.15	1,082.15	5.67	36.18	-177.94	463.79	-7,437.47	7,532.94	7,491.14	41.80	180.223		
1,200.00	1,194.26	1,181.26	1,181.26	6.05	39.63	-177.94	463.79	-7,437.47	7,546.24	7,500.63	45.61	165.449		
1,300.00	1,293.37	1,280.37	1,280.37	6.45	43.08	-177.94	463.79	-7,437.47	7,559.55	7,510.11	49.44	152.915		
1,400.00	1,392.48	1,379.48	1,379.48	6.85	46.53	-177.95	463.79	-7,437.47	7,572.85	7,519.58	53.27	142.153		
1,500.00	1,491.59	1,478.59	1,478.59	7.26	49.98	-177.95	463.79	-7,437.47	7,586.15	7,529.04	57.12	132.816		
1,600.00	1,590.70	1,577.70	1,577.70	7.68	53.43	-177.95	463.79	-7,437.47	7,599.46	7,538.49	60.97	124.642		
1,700.00	1,689.81	1,676.81	1,676.81	8.10	56.89	-177.96	463.79	-7,437.47	7,612.76	7,547.93	64.83	117.429		
1,800.00	1,788.92	1,775.92	1,775.92	8.53	60.34	-177.96	463.79	-7,437.47	7,626.07	7,557.37	68.69	111.017		
1,900.00	1,888.03	1,875.03	1,875.03	8.96	63.80	-177.96	463.79	-7,437.47	7,639.37	7,566.81	72.56	105.281		
2,000.00	1,987.14	1,974.14	1,974.14	9.39	67.25	-177.97	463.79	-7,437.47	7,652.67	7,576.24	76.43	100.121		
2,100.00	2,086.25	2,073.25	2,073.25	9.83	70.71	-177.97	463.79	-7,437.47	7,665.98	7,585.67	80.31	95.455		
2,200.00	2,185.36	2,172.36	2,172.36	10.27	74.16	-177.98	463.79	-7,437.47	7,679.28	7,595.09	84.19	91.215		
2,300.00	2,284.47	2,271.47	2,271.47	10.71	77.62	-177.98	463.79	-7,437.47	7,692.59	7,604.52	88.07	87.346		
2,400.00	2,383.58	2,370.58	2,370.58	11.15	81.08	-177.98	463.79	-7,437.47	7,705.89	7,613.94	91.95	83.802		
2,500.00	2,482.69	2,469.69	2,469.69	11.60	84.54	-177.99	463.79	-7,437.47	7,719.19	7,623.35	95.84	80.543		
2,600.00	2,581.80	2,568.80	2,568.80	12.05	87.99	-177.99	463.79	-7,437.47	7,732.50	7,632.77	99.73	77.536		
2,700.00	2,680.91	2,667.91	2,667.91	12.50	91.45	-177.99	463.79	-7,437.47	7,745.80	7,642.19	103.62	74.755		
2,800.00	2,780.02	2,767.02	2,767.02	12.95	94.91	-178.00	463.79	-7,437.47	7,759.11	7,651.60	107.51	72.173		
2,900.00	2,879.13	2,866.13	2,866.13	13.40	98.37	-178.00	463.79	-7,437.47	7,772.41	7,661.01	111.40	69.771		
3,000.00	2,978.24	2,965.24	2,965.24	13.85	101.82	-178.00	463.79	-7,437.47	7,785.71	7,670.42	115.29	67.530		
3,100.00	3,077.35	3,064.35	3,064.35	14.30	105.28	-178.01	463.79	-7,437.47	7,799.02	7,679.83	119.19	65.435		
3,200.00	3,176.46	3,163.46	3,163.46	14.76	108.74	-178.01	463.79	-7,437.47	7,812.32	7,689.24	123.08	63.473		
3,300.00	3,275.57	3,262.57	3,262.57	15.21	112.20	-178.01	463.79	-7,437.47	7,825.63	7,698.65	126.98	61.630		
3,400.00	3,374.68	3,361.68	3,361.68	15.67	115.66	-178.02	463.79	-7,437.47	7,838.93	7,708.06	130.87	59.897		
3,500.00	3,473.79	3,460.79	3,460.79	16.12	119.12	-178.02	463.79	-7,437.47	7,852.24	7,717.46	134.77	58.263		
3,600.00	3,572.90	3,559.90	3,559.90	16.58	122.57	-178.02	463.79	-7,437.47	7,865.54	7,726.87	138.67	56.721		
3,700.00	3,672.01	3,659.01	3,659.01	17.04	126.03	-178.03	463.79	-7,437.47	7,878.84	7,736.28	142.57	55.263		
3,800.00	3,771.12	3,758.12	3,758.12	17.50	129.49	-178.03	463.79	-7,437.47	7,892.15	7,745.68	146.47	53.883		
3,900.00	3,870.23	3,857.23	3,857.23	17.95	132.95	-178.03	463.79	-7,437.47	7,905.45	7,755.08	150.37	52.574		
4,000.00	3,969.34	3,956.34	3,956.34	18.41	136.41	-178.04	463.79	-7,437.47	7,918.76	7,764.49	154.27	51.331		
4,100.00	4,068.45	4,055.45	4,055.45	18.87	139.87	-178.04	463.79	-7,437.47	7,932.06	7,773.89	158.17	50.149		
4,200.00	4,167.56	4,154.56	4,154.56	19.33	143.33	-178.04	463.79	-7,437.47	7,945.37	7,783.30	162.07	49.024		
4,300.00	4,266.67	4,253.67	4,253.67	19.79	146.79	-178.05	463.79	-7,437.47	7,958.67	7,792.70	165.97	47.952		
4,400.00	4,365.78	4,352.78	4,352.78	20.25	150.25	-178.05	463.79	-7,437.47	7,971.98	7,802.10	169.88	46.928		
4,500.00	4,464.89	4,451.89	4,451.89	20.71	153.71	-178.05	463.79	-7,437.47	7,985.28	7,811.50	173.78	45.951		
4,600.00	4,564.00	4,551.00	4,551.00	21.17	157.16	-178.06	463.79	-7,437.47	7,998.58	7,820.90	177.68	45.017		
4,700.00	4,663.11	4,650.11	4,650.11	21.63	160.62	-178.06	463.79	-7,437.47	8,011.89	7,830.31	181.58	44.122		
4,800.00	4,762.22	4,749.22	4,749.22	22.09	164.08	-178.06	463.79	-7,437.47	8,025.19	7,839.71	185.49	43.265		
4,900.00	4,861.33	4,848.33	4,848.33	22.56	167.54	-178.07	463.79	-7,437.47	8,038.50	7,849.11	189.39	42.444		
5,000.00	4,960.44	4,947.44	4,947.44	23.02	171.00	-178.07	463.79	-7,437.47	8,051.80	7,858.51	193.29	41.656		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,046.55	5,046.55	23.48	174.46	-178.07	463.79	-7,437.47	8,065.11	7,867.91	197.20	40.898		
5,200.00	5,158.66	5,145.66	5,145.66	23.94	177.92	-178.08	463.79	-7,437.47	8,078.41	7,877.31	201.10	40.170		
5,300.00	5,257.77	5,244.77	5,244.77	24.40	181.38	-178.08	463.79	-7,437.47	8,091.72	7,886.71	205.01	39.470		
5,400.00	5,356.88	5,343.88	5,343.88	24.87	184.84	-178.08	463.79	-7,437.47	8,105.02	7,896.11	208.91	38.796		
5,500.00	5,455.99	5,442.99	5,442.99	25.33	188.30	-178.08	463.79	-7,437.47	8,118.33	7,905.51	212.82	38.147		
5,600.00	5,555.10	5,542.10	5,542.10	25.79	191.76	-178.09	463.79	-7,437.47	8,131.63	7,914.91	216.72	37.521		
5,700.00	5,654.21	5,641.21	5,641.21	26.25	195.22	-178.09	463.79	-7,437.47	8,144.94	7,924.31	220.63	36.917		
5,800.00	5,753.32	5,740.32	5,740.32	26.72	198.68	-178.09	463.79	-7,437.47	8,158.24	7,933.71	224.53	36.334		
5,900.00	5,852.43	5,839.43	5,839.43	27.18	202.14	-178.10	463.79	-7,437.47	8,171.55	7,943.11	228.44	35.771		
6,000.00	5,951.54	5,938.54	5,938.54	27.64	205.60	-178.10	463.79	-7,437.47	8,184.85	7,952.51	232.35	35.227		
6,100.00	6,050.65	6,037.65	6,037.65	28.11	209.05	-178.10	463.79	-7,437.47	8,198.16	7,961.90	236.25	34.701		
6,200.00	6,149.76	6,136.76	6,136.76	28.57	212.51	-178.11	463.79	-7,437.47	8,211.46	7,971.30	240.16	34.192		
6,300.00	6,248.87	6,235.87	6,235.87	29.03	215.97	-178.11	463.79	-7,437.47	8,224.77	7,980.70	244.06	33.699		
6,400.00	6,347.98	6,334.98	6,334.98	29.50	219.43	-178.11	463.79	-7,437.47	8,238.07	7,990.10	247.97	33.222		
6,475.54	6,422.84	6,409.84	6,409.84	29.85	222.05	-178.11	463.79	-7,437.47	8,248.12	7,997.20	250.92	32.871		
6,500.00	6,447.14	6,434.14	6,434.14	29.96	222.90	-179.50	463.79	-7,437.47	8,250.91	7,999.03	251.88	32.758		
6,550.00	6,497.05	6,484.05	6,484.05	30.17	224.64	159.41	463.79	-7,437.47	8,253.71	7,999.88	253.83	32.516		
6,600.00	6,547.02	6,534.02	6,534.02	30.37	226.38	12.49	463.79	-7,437.47	8,252.61	7,996.83	255.78	32.265		
6,650.00	6,596.75	6,583.75	6,583.75	30.55	228.12	8.52	463.79	-7,437.47	8,247.60	7,989.91	257.69	32.006		
6,700.00	6,645.93	6,632.93	6,632.93	30.74	229.83	7.47	463.79	-7,437.47	8,238.72	7,979.15	259.57	31.740		
6,750.00	6,694.25	6,681.25	6,681.25	30.93	231.52	7.05	463.79	-7,437.47	8,226.03	7,964.62	261.41	31.468		
6,800.00	6,741.43	6,728.43	6,728.43	31.12	233.17	6.91	463.79	-7,437.47	8,209.60	7,946.41	263.19	31.192		
6,850.00	6,787.16	6,774.16	6,774.16	31.32	234.76	6.92	463.79	-7,437.47	8,189.53	7,924.62	264.91	30.914		
6,900.00	6,831.16	6,818.16	6,818.16	31.52	236.30	7.05	463.79	-7,437.47	8,165.96	7,899.40	266.56	30.635		
6,950.00	6,873.17	6,860.17	6,860.17	31.74	237.77	7.29	463.79	-7,437.47	8,139.02	7,870.90	268.12	30.356		
7,000.00	6,912.92	6,900.08	6,899.92	31.96	239.16	7.64	463.79	-7,437.47	8,108.88	7,839.29	269.59	30.079		
7,050.00	6,950.18	6,937.18	6,937.18	32.21	240.45	8.11	463.79	-7,437.47	8,075.72	7,804.77	270.95	29.805		
7,100.00	6,984.70	6,971.70	6,971.70	32.48	241.66	8.74	463.79	-7,437.47	8,039.76	7,767.55	272.21	29.535		
7,150.00	7,016.29	7,003.29	7,003.29	32.77	242.76	9.56	463.79	-7,437.47	8,001.21	7,727.85	273.36	29.270		
7,200.00	7,044.73	7,031.73	7,031.73	33.10	243.75	10.64	463.79	-7,437.47	7,960.31	7,685.93	274.38	29.012		
7,250.00	7,069.86	7,056.86	7,056.86	33.46	244.63	12.10	463.79	-7,437.47	7,917.32	7,642.04	275.28	28.761		
7,300.00	7,091.53	7,078.53	7,078.53	33.86	245.39	14.15	463.79	-7,437.47	7,872.50	7,596.44	276.05	28.518		
7,350.00	7,109.59	7,103.41	7,096.59	34.30	246.26	17.15	463.79	-7,437.47	7,826.12	7,549.19	276.93	28.260		
7,400.00	7,123.94	7,110.94	7,110.94	34.78	246.52	21.87	463.79	-7,437.47	7,778.48	7,501.28	277.20	28.061		
7,450.00	7,134.49	7,121.49	7,121.49	35.29	246.89	30.11	463.79	-7,437.47	7,729.86	7,452.29	277.57	27.848		
7,500.00	7,141.18	7,128.18	7,128.18	35.84	247.12	46.57	463.79	-7,437.47	7,680.57	7,402.76	277.81	27.647		
7,550.00	7,143.95	7,130.95	7,130.95	36.42	247.22	80.74	463.79	-7,437.47	7,630.90	7,352.99	277.91	27.458		
7,567.79	7,144.00	7,131.00	7,131.00	36.63	247.22	96.63	463.79	-7,437.47	7,613.20	7,335.28	277.92	27.394		
7,600.00	7,143.62	7,130.62	7,130.62	37.03	247.21	96.60	463.79	-7,437.47	7,581.16	7,303.24	277.91	27.279		
7,700.00	7,142.46	7,129.46	7,129.46	38.38	247.17	96.51	463.79	-7,437.47	7,481.67	7,203.78	277.89	26.923		
7,800.00	7,141.29	7,128.29	7,128.29	39.88	247.13	96.43	463.79	-7,437.47	7,382.20	7,104.32	277.88	26.566		
7,900.00	7,140.13	7,127.13	7,127.13	41.53	247.08	96.34	463.79	-7,437.47	7,282.74	7,004.87	277.87	26.209		
8,000.00	7,138.97	7,125.97	7,125.97	43.30	247.04	96.25	463.79	-7,437.47	7,183.30	6,905.43	277.87	25.851		
8,100.00	7,137.80	7,124.80	7,124.80	45.18	247.00	96.17	463.79	-7,437.47	7,083.87	6,806.00	277.87	25.493		
8,200.00	7,136.64	7,123.64	7,123.64	47.16	246.96	96.08	463.79	-7,437.47	6,984.46	6,706.58	277.88	25.135		
8,300.00	7,135.48	7,122.48	7,122.48	49.22	246.92	95.99	463.79	-7,437.47	6,885.07	6,607.17	277.90	24.776		
8,400.00	7,134.32	7,121.32	7,121.32	51.36	246.88	95.91	463.79	-7,437.47	6,785.69	6,507.77	277.92	24.416		
8,500.00	7,133.15	7,120.15	7,120.15	53.56	246.84	95.82	463.79	-7,437.47	6,686.34	6,408.39	277.95	24.056		
8,600.00	7,131.99	7,118.99	7,118.99	55.82	246.80	95.73	463.79	-7,437.47	6,587.00	6,309.01	277.99	23.695		
8,700.00	7,130.83	7,117.83	7,117.83	58.13	246.76	95.64	463.79	-7,437.47	6,487.68	6,209.65	278.03	23.334		
8,800.00	7,129.66	7,116.66	7,116.66	60.49	246.72	95.56	463.79	-7,437.47	6,388.38	6,110.30	278.09	22.973		
8,900.00	7,128.50	7,115.50	7,115.50	62.89	246.68	95.47	463.79	-7,437.47	6,289.11	6,010.96	278.15	22.610		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,114.34	7,114.34	65.32	246.64	95.38	463.79	-7,437.47	6,189.85	5,911.63	278.22	22.248		
9,100.00	7,126.17	7,113.17	7,113.17	67.79	246.60	95.30	463.79	-7,437.47	6,090.63	5,812.32	278.31	21.884		
9,200.00	7,125.01	7,112.01	7,112.01	70.28	246.56	95.21	463.79	-7,437.47	5,991.42	5,713.02	278.40	21.521		
9,300.00	7,123.85	7,110.85	7,110.85	72.80	246.52	95.12	463.79	-7,437.47	5,892.25	5,613.74	278.51	21.156		
9,400.00	7,122.68	7,109.68	7,109.68	75.34	246.48	95.03	463.79	-7,437.47	5,793.10	5,514.47	278.63	20.791		
9,500.00	7,121.52	7,108.52	7,108.52	77.91	246.44	94.95	463.79	-7,437.47	5,693.98	5,415.22	278.76	20.426		
9,600.00	7,120.36	7,107.36	7,107.36	80.49	246.39	94.86	463.79	-7,437.47	5,594.90	5,315.98	278.91	20.060		
9,700.00	7,119.19	7,106.19	7,106.19	83.09	246.35	94.77	463.79	-7,437.47	5,495.84	5,216.77	279.08	19.693		
9,800.00	7,118.03	7,105.03	7,105.03	85.70	246.31	94.69	463.79	-7,437.47	5,396.82	5,117.57	279.26	19.326		
9,900.00	7,116.87	7,103.87	7,103.87	88.33	246.27	94.60	463.79	-7,437.47	5,297.84	5,018.38	279.46	18.958		
10,000.00	7,115.70	7,102.70	7,102.70	90.98	246.23	94.51	463.79	-7,437.47	5,198.90	4,919.22	279.68	18.589		
10,100.00	7,114.54	7,101.54	7,101.54	93.63	246.19	94.42	463.79	-7,437.47	5,099.99	4,820.08	279.91	18.220		
10,200.00	7,113.38	7,100.38	7,100.38	96.29	246.15	94.34	463.79	-7,437.47	5,001.14	4,720.96	280.18	17.850		
10,300.00	7,112.21	7,100.79	7,099.21	98.97	246.17	94.25	463.79	-7,437.47	4,902.32	4,621.81	280.51	17.476		
10,400.00	7,111.05	7,101.95	7,098.05	101.65	246.21	94.16	463.79	-7,437.47	4,803.56	4,522.65	280.91	17.100		
10,500.00	7,109.89	7,103.11	7,096.89	104.34	246.25	94.07	463.79	-7,437.47	4,704.84	4,423.52	281.32	16.724		
10,600.00	7,108.72	7,104.28	7,095.72	107.04	246.29	93.99	463.79	-7,437.47	4,606.19	4,324.41	281.77	16.347		
10,700.00	7,107.56	7,105.44	7,094.56	109.75	246.33	93.90	463.79	-7,437.47	4,507.59	4,225.33	282.25	15.970		
10,800.00	7,106.40	7,106.60	7,093.40	112.47	246.37	93.81	463.79	-7,437.47	4,409.05	4,126.28	282.77	15.593		
10,900.00	7,105.24	7,107.77	7,092.24	115.19	246.41	93.72	463.79	-7,437.47	4,310.58	4,027.26	283.32	15.215		
11,000.00	7,104.07	7,108.93	7,091.07	117.91	246.45	93.64	463.79	-7,437.47	4,212.19	3,928.28	283.91	14.836		
11,100.00	7,102.91	7,089.91	7,089.91	120.64	245.79	93.55	463.79	-7,437.47	4,113.86	3,830.03	283.84	14.494		
11,200.00	7,101.75	7,088.75	7,088.75	123.38	245.74	93.46	463.79	-7,437.47	4,015.63	3,731.19	284.44	14.118		
11,300.00	7,100.58	7,087.58	7,087.58	126.12	245.70	93.37	463.79	-7,437.47	3,917.48	3,632.39	285.09	13.741		
11,400.00	7,099.42	7,086.42	7,086.42	128.87	245.66	93.29	463.79	-7,437.47	3,819.43	3,533.63	285.79	13.364		
11,500.00	7,098.26	7,085.26	7,085.26	131.62	245.62	93.20	463.79	-7,437.47	3,721.48	3,434.92	286.56	12.987		
11,600.00	7,097.09	7,084.09	7,084.09	134.37	245.58	93.11	463.79	-7,437.47	3,623.64	3,336.25	287.39	12.609		
11,700.00	7,095.93	7,082.93	7,082.93	137.13	245.54	93.02	463.79	-7,437.47	3,525.92	3,237.64	288.28	12.231		
11,800.00	7,094.77	7,081.77	7,081.77	139.89	245.50	92.94	463.79	-7,437.47	3,428.33	3,139.08	289.26	11.852		
11,900.00	7,093.60	7,080.60	7,080.60	142.65	245.46	92.85	463.79	-7,437.47	3,330.89	3,040.58	290.31	11.473		
12,000.00	7,092.44	7,079.44	7,079.44	145.42	245.42	92.76	463.79	-7,437.47	3,233.60	2,942.14	291.46	11.094		
12,100.00	7,091.28	7,078.28	7,078.28	148.19	245.38	92.67	463.79	-7,437.47	3,136.49	2,843.78	292.71	10.716		
12,200.00	7,090.11	7,077.11	7,077.11	150.96	245.34	92.59	463.79	-7,437.47	3,039.56	2,745.50	294.06	10.337		
12,300.00	7,088.95	7,075.95	7,075.95	153.74	245.30	92.50	463.79	-7,437.47	2,942.83	2,647.30	295.53	9.958		
12,400.00	7,087.79	7,074.79	7,074.79	156.52	245.26	92.41	463.79	-7,437.47	2,846.33	2,549.20	297.13	9.579		
12,500.00	7,086.62	7,073.62	7,073.62	159.30	245.22	92.32	463.79	-7,437.47	2,750.08	2,451.20	298.88	9.201		
12,600.00	7,085.46	7,072.46	7,072.46	162.08	245.18	92.23	463.79	-7,437.47	2,654.11	2,353.33	300.78	8.824		
12,700.00	7,084.30	7,071.30	7,071.30	164.86	245.14	92.15	463.79	-7,437.47	2,558.44	2,255.59	302.86	8.448		
12,800.00	7,083.13	7,070.13	7,070.13	167.65	245.10	92.06	463.79	-7,437.47	2,463.12	2,157.99	305.13	8.072		
12,900.00	7,081.97	7,068.97	7,068.97	170.44	245.05	91.97	463.79	-7,437.47	2,368.18	2,060.57	307.61	7.699		
13,000.00	7,080.81	7,067.81	7,067.81	173.23	245.01	91.88	463.79	-7,437.47	2,273.68	1,963.35	310.33	7.327		
13,100.00	7,079.64	7,066.64	7,066.64	176.02	244.97	91.80	463.79	-7,437.47	2,179.67	1,866.35	313.32	6.957		
13,200.00	7,078.48	7,065.48	7,065.48	178.81	244.93	91.71	463.79	-7,437.47	2,086.21	1,769.60	316.61	6.589		
13,300.00	7,077.32	7,064.32	7,064.32	181.61	244.89	91.62	463.79	-7,437.47	1,993.39	1,673.16	320.23	6.225		
13,400.00	7,076.16	7,063.16	7,063.16	184.40	244.85	91.53	463.79	-7,437.47	1,901.29	1,577.07	324.22	5.864		
13,500.00	7,074.99	7,061.99	7,061.99	187.20	244.81	91.44	463.79	-7,437.47	1,810.04	1,481.40	328.63	5.508		
13,600.00	7,073.83	7,060.83	7,060.83	190.00	244.77	91.36	463.79	-7,437.47	1,719.75	1,386.23	333.52	5.156		
13,700.00	7,072.67	7,059.67	7,059.67	192.80	244.73	91.27	463.79	-7,437.47	1,630.60	1,291.66	338.94	4.811		
13,800.00	7,071.50	7,058.50	7,058.50	195.60	244.69	91.18	463.79	-7,437.47	1,542.78	1,197.81	344.97	4.472		
13,900.00	7,070.34	7,057.34	7,057.34	198.41	244.65	91.09	463.79	-7,437.47	1,456.53	1,104.86	351.66	4.142		
14,000.00	7,069.18	7,056.18	7,056.18	201.21	244.61	91.00	463.79	-7,437.47	1,372.14	1,013.03	359.12	3.821		
14,100.00	7,068.01	7,055.01	7,055.01	204.02	244.57	90.92	463.79	-7,437.47	1,289.99	922.59	367.40	3.511		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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
14,200.00	7,066.85	7,053.85	7,053.85	206.82	244.53	90.83	463.79	-7,437.47	1,210.53	833.94	376.59	3.214	
14,300.00	7,065.69	7,052.69	7,052.69	209.63	244.49	90.74	463.79	-7,437.47	1,134.31	747.57	386.74	2.933	
14,400.00	7,064.52	7,051.52	7,051.52	212.44	244.45	90.65	463.79	-7,437.47	1,062.06	664.20	397.86	2.669	
14,500.00	7,063.36	7,050.36	7,050.36	215.25	244.41	90.57	463.79	-7,437.47	994.61	584.73	409.88	2.427	
14,600.00	7,062.20	7,049.20	7,049.20	218.06	244.36	90.48	463.79	-7,437.47	933.03	510.42	422.61	2.208	
14,700.00	7,061.03	7,048.03	7,048.03	220.87	244.32	90.39	463.79	-7,437.47	878.53	442.86	435.67	2.016	
14,800.00	7,059.87	7,046.87	7,046.87	223.68	244.28	90.30	463.79	-7,437.47	832.53	384.07	448.46	1.856	
14,900.00	7,058.71	7,045.71	7,045.71	226.49	244.24	90.21	463.79	-7,437.47	796.48	336.38	460.10	1.731	
15,000.00	7,057.54	7,044.54	7,044.54	229.30	244.20	90.13	463.79	-7,437.47	771.79	302.22	469.57	1.644	
15,100.00	7,056.38	7,043.38	7,043.38	232.12	244.16	90.04	463.79	-7,437.47	759.56	283.66	475.90	1.596	
15,143.65	7,055.87	7,042.87	7,042.87	233.35	244.14	90.00	463.79	-7,437.47	758.31	280.81	477.49	1.588	CC, ES, SF
15,200.00	7,055.22	7,042.22	7,042.22	234.93	244.12	89.95	463.79	-7,437.47	760.40	281.97	478.43	1.589	
15,300.00	7,054.05	7,041.05	7,041.05	237.75	244.08	89.86	463.79	-7,437.47	774.25	297.20	477.05	1.623	
15,400.00	7,052.89	7,039.89	7,039.89	240.56	244.04	89.77	463.79	-7,437.47	800.46	328.23	472.23	1.695	
15,500.00	7,051.73	7,038.73	7,038.73	243.38	244.00	89.69	463.79	-7,437.47	837.85	373.05	464.80	1.803	
15,600.00	7,050.56	7,037.56	7,037.56	246.20	243.96	89.60	463.79	-7,437.47	885.02	429.31	455.70	1.942	
15,648.52	7,050.00	7,037.00	7,037.00	247.57	243.94	89.56	463.79	-7,437.47	910.99	460.03	450.95	2.020	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-85.26	494.71	-5,971.85	5,992.30					
100.00	100.00	135.00	135.00	3.28	4.42	-85.26	494.71	-5,971.85	5,992.30	5,984.60	7.71	777.437		
200.00	200.00	235.00	235.00	3.34	7.24	-85.26	494.71	-5,971.85	5,992.30	5,981.72	10.58	566.350		
300.00	300.00	335.00	335.00	3.44	10.48	-85.26	494.71	-5,971.85	5,992.30	5,978.38	13.92	430.451		
400.00	399.98	434.98	434.98	3.60	13.83	-176.76	494.71	-5,971.85	5,994.05	5,976.61	17.43	343.815		
500.00	499.84	534.84	534.84	3.80	17.24	-176.76	494.71	-5,971.85	5,999.27	5,978.23	21.04	285.149		
600.00	599.45	634.45	634.45	4.04	20.67	-176.76	494.71	-5,971.85	6,007.97	5,983.27	24.70	243.207		
682.50	681.36	716.36	716.36	4.26	23.49	-176.75	494.71	-5,971.85	6,017.76	5,990.01	27.76	216.815		
700.00	698.71	733.71	733.71	4.32	24.09	-176.75	494.71	-5,971.85	6,020.09	5,991.68	28.41	211.921		
800.00	797.82	832.82	832.82	4.62	27.52	-176.76	494.71	-5,971.85	6,033.38	6,001.25	32.13	187.763		
900.00	896.93	931.93	931.93	4.95	30.96	-176.76	494.71	-5,971.85	6,046.67	6,010.78	35.89	168.484		
1,000.00	996.04	1,031.04	1,031.04	5.30	34.40	-176.77	494.71	-5,971.85	6,059.96	6,020.29	39.67	152.767		
1,100.00	1,095.15	1,130.15	1,130.15	5.67	37.85	-176.78	494.71	-5,971.85	6,073.25	6,029.79	43.47	139.723		
1,200.00	1,194.26	1,229.26	1,229.26	6.05	41.30	-176.79	494.71	-5,971.85	6,086.54	6,039.26	47.28	128.733		
1,300.00	1,293.37	1,328.37	1,328.37	6.45	44.75	-176.79	494.71	-5,971.85	6,099.84	6,048.73	51.11	119.355		
1,400.00	1,392.48	1,427.48	1,427.48	6.85	48.20	-176.80	494.71	-5,971.85	6,113.13	6,058.18	54.94	111.262		
1,500.00	1,491.59	1,526.59	1,526.59	7.26	51.65	-176.81	494.71	-5,971.85	6,126.42	6,067.63	58.79	104.210		
1,600.00	1,590.70	1,625.70	1,625.70	7.68	55.11	-176.81	494.71	-5,971.85	6,139.71	6,077.07	62.64	98.013		
1,700.00	1,689.81	1,724.81	1,724.81	8.10	58.56	-176.82	494.71	-5,971.85	6,153.00	6,086.50	66.50	92.525		
1,800.00	1,788.92	1,823.92	1,823.92	8.53	62.01	-176.83	494.71	-5,971.85	6,166.29	6,095.93	70.37	87.633		
1,900.00	1,888.03	1,923.03	1,923.03	8.96	65.47	-176.83	494.71	-5,971.85	6,179.59	6,105.35	74.23	83.245		
2,000.00	1,987.14	2,022.14	2,022.14	9.39	68.93	-176.84	494.71	-5,971.85	6,192.88	6,114.77	78.11	79.288		
2,100.00	2,086.25	2,121.25	2,121.25	9.83	72.38	-176.85	494.71	-5,971.85	6,206.17	6,124.19	81.98	75.701		
2,200.00	2,185.36	2,220.36	2,220.36	10.27	75.84	-176.85	494.71	-5,971.85	6,219.46	6,133.60	85.86	72.436		
2,300.00	2,284.47	2,319.47	2,319.47	10.71	79.30	-176.86	494.71	-5,971.85	6,232.76	6,143.01	89.74	69.451		
2,400.00	2,383.58	2,418.58	2,418.58	11.15	82.75	-176.87	494.71	-5,971.85	6,246.05	6,152.42	93.63	66.712		
2,500.00	2,482.69	2,517.69	2,517.69	11.60	86.21	-176.87	494.71	-5,971.85	6,259.34	6,161.83	97.51	64.190		
2,600.00	2,581.80	2,616.80	2,616.80	12.05	89.67	-176.88	494.71	-5,971.85	6,272.63	6,171.23	101.40	61.860		
2,700.00	2,680.91	2,715.91	2,715.91	12.50	93.12	-176.89	494.71	-5,971.85	6,285.93	6,180.64	105.29	59.702		
2,800.00	2,780.02	2,815.02	2,815.02	12.95	96.58	-176.89	494.71	-5,971.85	6,299.22	6,190.04	109.18	57.696		
2,900.00	2,879.13	2,914.13	2,914.13	13.40	100.04	-176.90	494.71	-5,971.85	6,312.51	6,199.44	113.07	55.828		
3,000.00	2,978.24	3,013.24	3,013.24	13.85	103.50	-176.91	494.71	-5,971.85	6,325.81	6,208.84	116.96	54.083		
3,100.00	3,077.35	3,112.35	3,112.35	14.30	106.96	-176.91	494.71	-5,971.85	6,339.10	6,218.24	120.86	52.450		
3,200.00	3,176.46	3,211.46	3,211.46	14.76	110.42	-176.92	494.71	-5,971.85	6,352.39	6,227.64	124.75	50.919		
3,300.00	3,275.57	3,310.57	3,310.57	15.21	113.87	-176.93	494.71	-5,971.85	6,365.69	6,237.04	128.65	49.481		
3,400.00	3,374.68	3,409.68	3,409.68	15.67	117.33	-176.93	494.71	-5,971.85	6,378.98	6,246.43	132.55	48.126		
3,500.00	3,473.79	3,508.79	3,508.79	16.12	120.79	-176.94	494.71	-5,971.85	6,392.27	6,255.83	136.44	46.849		
3,600.00	3,572.90	3,607.90	3,607.90	16.58	124.25	-176.95	494.71	-5,971.85	6,405.57	6,265.22	140.34	45.642		
3,700.00	3,672.01	3,707.01	3,707.01	17.04	127.71	-176.95	494.71	-5,971.85	6,418.86	6,274.62	144.24	44.501		
3,800.00	3,771.12	3,806.12	3,806.12	17.50	131.17	-176.96	494.71	-5,971.85	6,432.15	6,284.01	148.14	43.419		
3,900.00	3,870.23	3,905.23	3,905.23	17.95	134.63	-176.97	494.71	-5,971.85	6,445.45	6,293.41	152.04	42.393		
4,000.00	3,969.34	4,004.34	4,004.34	18.41	138.09	-176.97	494.71	-5,971.85	6,458.74	6,302.80	155.94	41.418		
4,100.00	4,068.45	4,103.45	4,103.45	18.87	141.54	-176.98	494.71	-5,971.85	6,472.03	6,312.19	159.84	40.490		
4,200.00	4,167.56	4,202.56	4,202.56	19.33	145.00	-176.98	494.71	-5,971.85	6,485.33	6,321.59	163.74	39.607		
4,300.00	4,266.67	4,301.67	4,301.67	19.79	148.46	-176.99	494.71	-5,971.85	6,498.62	6,330.98	167.64	38.764		
4,400.00	4,365.78	4,400.78	4,400.78	20.25	151.92	-177.00	494.71	-5,971.85	6,511.92	6,340.37	171.55	37.960		
4,500.00	4,464.89	4,500.11	4,499.89	20.71	155.39	-177.00	494.71	-5,971.85	6,525.21	6,349.75	175.46	37.190		
4,600.00	4,564.00	4,601.00	4,599.00	21.17	158.91	-177.01	494.71	-5,971.85	6,538.51	6,359.08	179.42	36.442		
4,700.00	4,663.11	4,701.89	4,698.11	21.63	162.43	-177.01	494.71	-5,971.85	6,551.80	6,368.41	183.39	35.727		
4,800.00	4,762.22	4,802.78	4,797.22	22.09	165.95	-177.02	494.71	-5,971.85	6,565.09	6,377.74	187.35	35.041		
4,900.00	4,861.33	4,903.67	4,896.33	22.56	169.47	-177.03	494.71	-5,971.85	6,578.39	6,387.07	191.32	34.385		
5,000.00	4,960.44	5,004.56	4,995.44	23.02	173.00	-177.03	494.71	-5,971.85	6,591.68	6,396.40	195.28	33.754		

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 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,105.45	5,094.55	23.48	176.52	-177.04	494.71	-5,971.85	6,604.98	6,405.73	199.25	33.149		
5,200.00	5,158.66	5,206.34	5,193.66	23.94	180.04	-177.04	494.71	-5,971.85	6,618.27	6,415.06	203.22	32.567		
5,300.00	5,257.77	5,307.23	5,292.77	24.40	183.56	-177.05	494.71	-5,971.85	6,631.57	6,424.38	207.18	32.008		
5,400.00	5,356.88	5,408.12	5,391.88	24.87	187.08	-177.06	494.71	-5,971.85	6,644.86	6,433.71	211.15	31.470		
5,500.00	5,455.99	5,509.01	5,490.99	25.33	190.60	-177.06	494.71	-5,971.85	6,658.16	6,443.04	215.12	30.951		
5,600.00	5,555.10	5,609.90	5,590.10	25.79	194.12	-177.07	494.71	-5,971.85	6,671.45	6,452.37	219.09	30.451		
5,700.00	5,654.21	5,689.21	5,689.21	26.25	196.89	-177.07	494.71	-5,971.85	6,684.75	6,462.45	222.30	30.071		
5,800.00	5,753.32	5,788.32	5,788.32	26.72	200.35	-177.08	494.71	-5,971.85	6,698.04	6,471.84	226.20	29.611		
5,900.00	5,852.43	5,887.43	5,887.43	27.18	203.81	-177.09	494.71	-5,971.85	6,711.34	6,481.23	230.11	29.166		
6,000.00	5,951.54	5,986.54	5,986.54	27.64	207.27	-177.09	494.71	-5,971.85	6,724.63	6,490.62	234.02	28.736		
6,100.00	6,050.65	6,085.65	6,085.65	28.11	210.73	-177.10	494.71	-5,971.85	6,737.93	6,500.01	237.92	28.320		
6,200.00	6,149.76	6,184.76	6,184.76	28.57	214.19	-177.10	494.71	-5,971.85	6,751.22	6,509.40	241.83	27.917		
6,300.00	6,248.87	6,283.87	6,283.87	29.03	217.65	-177.11	494.71	-5,971.85	6,764.52	6,518.78	245.73	27.528		
6,400.00	6,347.98	6,382.98	6,382.98	29.50	221.11	-177.11	494.71	-5,971.85	6,777.81	6,528.17	249.64	27.150		
6,475.54	6,422.84	6,457.84	6,457.84	29.85	223.72	-177.12	494.71	-5,971.85	6,787.86	6,535.27	252.59	26.873		
6,500.00	6,447.14	6,482.14	6,482.14	29.96	224.57	-178.51	494.71	-5,971.85	6,790.65	6,537.10	253.55	26.783		
6,550.00	6,497.05	6,532.05	6,532.05	30.17	226.31	160.39	494.71	-5,971.85	6,793.45	6,537.94	255.50	26.588		
6,600.00	6,547.02	6,582.02	6,582.02	30.37	228.06	13.48	494.71	-5,971.85	6,792.35	6,534.91	257.45	26.384		
6,650.00	6,596.75	6,631.75	6,631.75	30.55	229.79	9.52	494.71	-5,971.85	6,787.36	6,528.00	259.36	26.170		
6,700.00	6,645.93	6,680.93	6,680.93	30.74	231.51	8.48	494.71	-5,971.85	6,778.50	6,517.27	261.24	25.948		
6,750.00	6,694.25	6,729.25	6,729.25	30.93	233.20	8.09	494.71	-5,971.85	6,765.84	6,502.76	263.08	25.718		
6,800.00	6,741.43	6,776.43	6,776.43	31.12	234.84	7.98	494.71	-5,971.85	6,749.45	6,484.58	264.86	25.483		
6,850.00	6,787.16	6,822.16	6,822.16	31.32	236.44	8.04	494.71	-5,971.85	6,729.42	6,462.84	266.58	25.243		
6,900.00	6,831.16	6,866.16	6,866.16	31.52	237.98	8.23	494.71	-5,971.85	6,705.90	6,437.67	268.23	25.001		
6,950.00	6,873.17	6,908.17	6,908.17	31.74	239.44	8.54	494.71	-5,971.85	6,679.01	6,409.22	269.79	24.757		
7,000.00	6,912.92	6,947.92	6,947.92	31.96	240.83	8.97	494.71	-5,971.85	6,648.93	6,377.67	271.26	24.512		
7,050.00	6,950.18	6,985.18	6,985.18	32.21	242.13	9.55	494.71	-5,971.85	6,615.84	6,343.22	272.62	24.267		
7,100.00	6,984.70	7,019.70	7,019.70	32.48	243.33	10.31	494.71	-5,971.85	6,579.95	6,306.07	273.88	24.025		
7,150.00	7,016.29	7,051.29	7,051.29	32.77	244.44	11.30	494.71	-5,971.85	6,541.48	6,266.45	275.03	23.785		
7,200.00	7,044.73	7,079.73	7,079.73	33.10	245.43	12.60	494.71	-5,971.85	6,500.67	6,224.62	276.05	23.548		
7,250.00	7,069.86	7,104.86	7,104.86	33.46	246.31	14.35	494.71	-5,971.85	6,457.77	6,180.81	276.96	23.317		
7,300.00	7,091.53	7,126.53	7,126.53	33.86	247.06	16.78	494.71	-5,971.85	6,413.04	6,135.31	277.73	23.091		
7,350.00	7,109.59	7,144.59	7,144.59	34.30	247.69	20.30	494.71	-5,971.85	6,366.76	6,088.39	278.37	22.871		
7,400.00	7,123.94	7,158.94	7,158.94	34.78	248.20	25.76	494.71	-5,971.85	6,319.22	6,040.34	278.88	22.659		
7,450.00	7,134.49	7,169.49	7,169.49	35.29	248.56	34.95	494.71	-5,971.85	6,270.71	5,991.46	279.26	22.455		
7,500.00	7,141.18	7,176.18	7,176.18	35.84	248.80	51.92	494.71	-5,971.85	6,221.53	5,942.03	279.50	22.260		
7,550.00	7,143.95	7,178.95	7,178.95	36.42	248.89	82.34	494.71	-5,971.85	6,171.98	5,892.38	279.60	22.074		
7,567.79	7,144.00	7,179.00	7,179.00	36.63	248.90	95.47	494.71	-5,971.85	6,154.32	5,874.71	279.61	22.010		
7,600.00	7,143.62	7,178.62	7,178.62	37.03	248.88	95.45	494.71	-5,971.85	6,122.35	5,842.75	279.60	21.896		
7,700.00	7,142.46	7,177.46	7,177.46	38.38	248.84	95.36	494.71	-5,971.85	6,023.11	5,743.51	279.60	21.542		
7,800.00	7,141.29	7,176.29	7,176.29	39.88	248.80	95.27	494.71	-5,971.85	5,923.89	5,644.29	279.59	21.187		
7,900.00	7,140.13	7,175.13	7,175.13	41.53	248.76	95.18	494.71	-5,971.85	5,824.69	5,545.09	279.60	20.832		
8,000.00	7,138.97	7,173.97	7,173.97	43.30	248.72	95.09	494.71	-5,971.85	5,725.53	5,445.91	279.61	20.477		
8,100.00	7,137.80	7,172.80	7,172.80	45.18	248.68	95.00	494.71	-5,971.85	5,626.39	5,346.75	279.64	20.120		
8,200.00	7,136.64	7,171.64	7,171.64	47.16	248.64	94.91	494.71	-5,971.85	5,527.28	5,247.62	279.67	19.764		
8,300.00	7,135.48	7,170.48	7,170.48	49.22	248.60	94.82	494.71	-5,971.85	5,428.21	5,148.50	279.71	19.407		
8,400.00	7,134.32	7,169.32	7,169.32	51.36	248.56	94.73	494.71	-5,971.85	5,329.17	5,049.41	279.76	19.049		
8,500.00	7,133.15	7,168.15	7,168.15	53.56	248.52	94.64	494.71	-5,971.85	5,230.17	4,950.34	279.83	18.691		
8,600.00	7,131.99	7,166.99	7,166.99	55.82	248.48	94.55	494.71	-5,971.85	5,131.21	4,851.30	279.91	18.332		
8,700.00	7,130.83	7,165.83	7,165.83	58.13	248.44	94.46	494.71	-5,971.85	5,032.28	4,752.29	280.00	17.973		
8,800.00	7,129.66	7,164.66	7,164.66	60.49	248.40	94.38	494.71	-5,971.85	4,933.40	4,653.30	280.11	17.613		
8,900.00	7,128.50	7,163.50	7,163.50	62.89	248.35	94.29	494.71	-5,971.85	4,834.57	4,554.34	280.23	17.252		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,162.34	7,162.34	65.32	248.31	94.20	494.71	-5,971.85	4,735.79	4,455.41	280.37	16.891		
9,100.00	7,126.17	7,161.17	7,161.17	67.79	248.27	94.11	494.71	-5,971.85	4,637.05	4,356.52	280.53	16.529		
9,200.00	7,125.01	7,160.01	7,160.01	70.28	248.23	94.02	494.71	-5,971.85	4,538.37	4,257.66	280.72	16.167		
9,300.00	7,123.85	7,158.85	7,158.85	72.80	248.19	93.93	494.71	-5,971.85	4,439.75	4,158.83	280.92	15.804		
9,400.00	7,122.68	7,157.68	7,157.68	75.34	248.15	93.84	494.71	-5,971.85	4,341.20	4,060.04	281.15	15.441		
9,500.00	7,121.52	7,156.52	7,156.52	77.91	248.11	93.75	494.71	-5,971.85	4,242.71	3,961.30	281.41	15.076		
9,600.00	7,120.36	7,155.36	7,155.36	80.49	248.07	93.66	494.71	-5,971.85	4,144.29	3,862.59	281.70	14.712		
9,700.00	7,119.19	7,154.19	7,154.19	83.09	248.03	93.57	494.71	-5,971.85	4,045.95	3,763.93	282.02	14.346		
9,800.00	7,118.03	7,153.03	7,153.03	85.70	247.99	93.48	494.71	-5,971.85	3,947.69	3,665.31	282.38	13.980		
9,900.00	7,116.87	7,151.87	7,151.87	88.33	247.95	93.39	494.71	-5,971.85	3,849.52	3,566.75	282.77	13.613		
10,000.00	7,115.70	7,150.70	7,150.70	90.98	247.91	93.30	494.71	-5,971.85	3,751.45	3,468.24	283.21	13.246		
10,100.00	7,114.54	7,149.54	7,149.54	93.63	247.87	93.21	494.71	-5,971.85	3,653.49	3,369.79	283.70	12.878		
10,200.00	7,113.38	7,148.38	7,148.38	96.29	247.83	93.12	494.71	-5,971.85	3,555.63	3,271.40	284.23	12.510		
10,300.00	7,112.21	7,147.21	7,147.21	98.97	247.79	93.03	494.71	-5,971.85	3,457.90	3,173.07	284.83	12.140		
10,400.00	7,111.05	7,146.05	7,146.05	101.65	247.75	92.94	494.71	-5,971.85	3,360.30	3,074.82	285.48	11.771		
10,500.00	7,109.89	7,144.89	7,144.89	104.34	247.70	92.85	494.71	-5,971.85	3,262.85	2,976.64	286.20	11.400		
10,600.00	7,108.72	7,143.72	7,143.72	107.04	247.66	92.76	494.71	-5,971.85	3,165.55	2,878.55	287.00	11.030		
10,700.00	7,107.56	7,142.56	7,142.56	109.75	247.62	92.67	494.71	-5,971.85	3,068.43	2,780.55	287.88	10.659		
10,800.00	7,106.40	7,141.40	7,141.40	112.47	247.58	92.58	494.71	-5,971.85	2,971.50	2,682.65	288.85	10.287		
10,900.00	7,105.24	7,140.24	7,140.24	115.19	247.54	92.49	494.71	-5,971.85	2,874.78	2,584.86	289.92	9.916		
11,000.00	7,104.07	7,139.07	7,139.07	117.91	247.50	92.41	494.71	-5,971.85	2,778.29	2,487.18	291.10	9.544		
11,100.00	7,102.91	7,137.91	7,137.91	120.64	247.46	92.32	494.71	-5,971.85	2,682.05	2,389.65	292.41	9.172		
11,200.00	7,101.75	7,136.75	7,136.75	123.38	247.42	92.23	494.71	-5,971.85	2,586.10	2,292.26	293.85	8.801		
11,300.00	7,100.58	7,135.58	7,135.58	126.12	247.38	92.14	494.71	-5,971.85	2,490.47	2,195.03	295.44	8.430		
11,400.00	7,099.42	7,134.42	7,134.42	128.87	247.34	92.05	494.71	-5,971.85	2,395.20	2,098.00	297.20	8.059		
11,500.00	7,098.26	7,133.26	7,133.26	131.62	247.30	91.96	494.71	-5,971.85	2,300.33	2,001.17	299.15	7.689		
11,600.00	7,097.09	7,132.09	7,132.09	134.37	247.26	91.87	494.71	-5,971.85	2,205.91	1,904.59	301.31	7.321		
11,700.00	7,095.93	7,130.93	7,130.93	137.13	247.22	91.78	494.71	-5,971.85	2,112.00	1,808.29	303.71	6.954		
11,800.00	7,094.77	7,129.77	7,129.77	139.89	247.18	91.69	494.71	-5,971.85	2,018.68	1,712.30	306.38	6.589		
11,900.00	7,093.60	7,128.60	7,128.60	142.65	247.14	91.60	494.71	-5,971.85	1,926.02	1,616.68	309.34	6.226		
12,000.00	7,092.44	7,127.44	7,127.44	145.42	247.10	91.51	494.71	-5,971.85	1,834.14	1,521.50	312.64	5.867		
12,100.00	7,091.28	7,126.28	7,126.28	148.19	247.06	91.42	494.71	-5,971.85	1,743.15	1,426.83	316.32	5.511		
12,200.00	7,090.11	7,125.11	7,125.11	150.96	247.01	91.33	494.71	-5,971.85	1,653.20	1,332.77	320.43	5.159		
12,300.00	7,088.95	7,123.95	7,123.95	153.74	246.97	91.24	494.71	-5,971.85	1,564.47	1,239.45	325.03	4.813		
12,400.00	7,087.79	7,122.79	7,122.79	156.52	246.93	91.15	494.71	-5,971.85	1,477.18	1,147.01	330.17	4.474		
12,500.00	7,086.62	7,121.62	7,121.62	159.30	246.89	91.06	494.71	-5,971.85	1,391.61	1,055.67	335.94	4.142		
12,600.00	7,085.46	7,120.46	7,120.46	162.08	246.85	90.97	494.71	-5,971.85	1,308.08	965.68	342.40	3.820		
12,700.00	7,084.30	7,119.30	7,119.30	164.86	246.81	90.88	494.71	-5,971.85	1,227.01	877.39	349.62	3.510		
12,800.00	7,083.13	7,118.13	7,118.13	167.65	246.77	90.79	494.71	-5,971.85	1,148.93	791.26	357.67	3.212		
12,900.00	7,081.97	7,116.97	7,116.97	170.44	246.73	90.70	494.71	-5,971.85	1,074.49	707.90	366.58	2.931		
13,000.00	7,080.81	7,115.81	7,115.81	173.23	246.69	90.61	494.71	-5,971.85	1,004.49	628.14	376.35	2.669		
13,100.00	7,079.64	7,114.64	7,114.64	176.02	246.65	90.52	494.71	-5,971.85	939.93	553.07	386.87	2.430		
13,200.00	7,078.48	7,113.48	7,113.48	178.81	246.61	90.43	494.71	-5,971.85	882.02	484.11	397.90	2.217		
13,300.00	7,077.32	7,112.32	7,112.32	181.61	246.57	90.34	494.71	-5,971.85	832.12	423.10	409.02	2.034		
13,400.00	7,076.16	7,111.16	7,111.16	184.40	246.53	90.25	494.71	-5,971.85	791.77	372.21	419.56	1.887		
13,500.00	7,074.99	7,109.99	7,109.99	187.20	246.49	90.16	494.71	-5,971.85	762.47	333.80	428.67	1.779		
13,600.00	7,073.83	7,108.83	7,108.83	190.00	246.45	90.07	494.71	-5,971.85	745.54	310.11	435.43	1.712		
13,677.69	7,072.92	7,107.92	7,107.92	192.18	246.41	90.00	494.71	-5,971.85	741.48	302.89	438.59	1.691 CC		
13,700.00	7,072.67	7,107.67	7,107.67	192.80	246.41	89.98	494.71	-5,971.85	741.81	302.69	439.13	1.689 ES, SF		
13,800.00	7,071.50	7,106.50	7,106.50	195.60	246.36	89.89	494.71	-5,971.85	751.50	312.04	439.45	1.710		
13,900.00	7,070.34	7,105.34	7,105.34	198.41	246.32	89.80	494.71	-5,971.85	774.08	337.44	436.64	1.773		
14,000.00	7,069.18	7,104.18	7,104.18	201.21	246.28	89.71	494.71	-5,971.85	808.49	377.16	431.34	1.874		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 - REICHERT #1-6 - 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
14,100.00	7,068.01	7,103.01	7,103.01	204.02	246.24	89.62	494.71	-5,971.85	853.29	428.95	424.34	2.011	
14,200.00	7,066.85	7,101.85	7,101.85	206.82	246.20	89.53	494.71	-5,971.85	906.95	490.51	416.44	2.178	
14,300.00	7,065.69	7,100.69	7,100.69	209.63	246.16	89.44	494.71	-5,971.85	967.99	559.75	408.24	2.371	
14,400.00	7,064.52	7,100.48	7,099.52	212.44	246.15	89.35	494.71	-5,971.85	1,035.11	634.91	400.19	2.587	
14,500.00	7,063.36	7,101.64	7,098.36	215.25	246.20	89.26	494.71	-5,971.85	1,107.20	714.63	392.57	2.820	
14,600.00	7,062.20	7,102.80	7,097.20	218.06	246.24	89.17	494.71	-5,971.85	1,183.35	797.90	385.45	3.070	
14,700.00	7,061.03	7,103.97	7,096.03	220.87	246.28	89.08	494.71	-5,971.85	1,262.84	883.95	378.89	3.333	
14,800.00	7,059.87	7,105.13	7,094.87	223.68	246.32	88.99	494.71	-5,971.85	1,345.06	972.16	372.90	3.607	
14,900.00	7,058.71	7,106.29	7,093.71	226.49	246.36	88.90	494.71	-5,971.85	1,429.55	1,062.11	367.45	3.891	
15,000.00	7,057.54	7,107.46	7,092.54	229.30	246.40	88.81	494.71	-5,971.85	1,515.93	1,153.43	362.50	4.182	
15,100.00	7,056.38	7,108.62	7,091.38	232.12	246.44	88.72	494.71	-5,971.85	1,603.89	1,245.88	358.01	4.480	
15,200.00	7,055.22	7,109.78	7,090.22	234.93	246.48	88.63	494.71	-5,971.85	1,693.19	1,339.25	353.93	4.784	
15,300.00	7,054.05	7,089.05	7,089.05	237.75	245.76	88.54	494.71	-5,971.85	1,783.62	1,434.15	349.47	5.104	
15,400.00	7,052.89	7,087.89	7,087.89	240.56	245.72	88.45	494.71	-5,971.85	1,875.03	1,529.00	346.02	5.419	
15,500.00	7,051.73	7,086.73	7,086.73	243.38	245.67	88.36	494.71	-5,971.85	1,967.27	1,624.39	342.87	5.738	
15,600.00	7,050.56	7,085.56	7,085.56	246.20	245.63	88.27	494.71	-5,971.85	2,060.23	1,720.24	339.99	6.060	
15,648.52	7,050.00	7,085.00	7,085.00	247.57	245.61	88.23	494.71	-5,971.85	2,105.57	1,766.89	338.68	6.217	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-97.05	-1,061.53	-8,582.10	8,647.50					
100.00	100.00	133.00	133.00	3.28	4.38	-97.05	-1,061.53	-8,582.10	8,647.50	8,639.84	7.66	1,128.735		
200.00	200.00	233.00	233.00	3.34	7.18	-97.05	-1,061.53	-8,582.10	8,647.50	8,636.98	10.52	822.132		
300.00	300.00	333.00	333.00	3.44	10.41	-97.05	-1,061.53	-8,582.10	8,647.50	8,633.65	13.85	624.157		
400.00	399.98	432.98	432.98	3.60	13.77	171.45	-1,061.53	-8,582.10	8,649.23	8,631.86	17.37	498.052		
500.00	499.84	532.84	532.84	3.80	17.17	171.44	-1,061.53	-8,582.10	8,654.40	8,633.43	20.97	412.691		
600.00	599.45	632.45	632.45	4.04	20.60	171.42	-1,061.53	-8,582.10	8,663.02	8,638.39	24.63	351.660		
682.50	681.36	714.36	714.36	4.26	23.42	171.40	-1,061.53	-8,582.10	8,672.71	8,645.03	27.69	313.240		
700.00	698.71	731.71	731.71	4.32	24.02	171.40	-1,061.53	-8,582.10	8,675.02	8,646.68	28.34	306.115		
800.00	797.82	830.82	830.82	4.62	27.46	171.41	-1,061.53	-8,582.10	8,688.18	8,656.12	32.07	270.948		
900.00	896.93	929.93	929.93	4.95	30.89	171.43	-1,061.53	-8,582.10	8,701.35	8,665.53	35.82	242.901		
1,000.00	996.04	1,029.04	1,029.04	5.30	34.34	171.44	-1,061.53	-8,582.10	8,714.52	8,674.91	39.60	220.045		
1,100.00	1,095.15	1,128.15	1,128.15	5.67	37.78	171.45	-1,061.53	-8,582.10	8,727.68	8,684.28	43.40	201.084		
1,200.00	1,194.26	1,227.26	1,227.26	6.05	41.23	171.47	-1,061.53	-8,582.10	8,740.85	8,693.63	47.22	185.115		
1,300.00	1,293.37	1,326.37	1,326.37	6.45	44.68	171.48	-1,061.53	-8,582.10	8,754.02	8,702.97	51.05	171.491		
1,400.00	1,392.48	1,425.48	1,425.48	6.85	48.13	171.49	-1,061.53	-8,582.10	8,767.19	8,712.30	54.88	159.738		
1,500.00	1,491.59	1,524.59	1,524.59	7.26	51.58	171.50	-1,061.53	-8,582.10	8,780.35	8,721.62	58.73	149.499		
1,600.00	1,590.70	1,623.70	1,623.70	7.68	55.04	171.52	-1,061.53	-8,582.10	8,793.52	8,730.94	62.59	140.502		
1,700.00	1,689.81	1,722.81	1,722.81	8.10	58.49	171.53	-1,061.53	-8,582.10	8,806.69	8,740.24	66.45	132.537		
1,800.00	1,788.92	1,821.92	1,821.92	8.53	61.94	171.54	-1,061.53	-8,582.10	8,819.86	8,749.55	70.31	125.437		
1,900.00	1,888.03	1,921.03	1,921.03	8.96	65.40	171.56	-1,061.53	-8,582.10	8,833.03	8,758.85	74.18	119.070		
2,000.00	1,987.14	2,020.14	2,020.14	9.39	68.86	171.57	-1,061.53	-8,582.10	8,846.20	8,768.14	78.06	113.329		
2,100.00	2,086.25	2,119.25	2,119.25	9.83	72.31	171.58	-1,061.53	-8,582.10	8,859.37	8,777.44	81.94	108.127		
2,200.00	2,185.36	2,218.36	2,218.36	10.27	75.77	171.59	-1,061.53	-8,582.10	8,872.54	8,786.73	85.82	103.391		
2,300.00	2,284.47	2,317.47	2,317.47	10.71	79.23	171.61	-1,061.53	-8,582.10	8,885.72	8,796.02	89.70	99.062		
2,400.00	2,383.58	2,416.58	2,416.58	11.15	82.68	171.62	-1,061.53	-8,582.10	8,898.89	8,805.30	93.58	95.090		
2,500.00	2,482.69	2,515.69	2,515.69	11.60	86.14	171.63	-1,061.53	-8,582.10	8,912.06	8,814.59	97.47	91.432		
2,600.00	2,581.80	2,614.80	2,614.80	12.05	89.60	171.64	-1,061.53	-8,582.10	8,925.23	8,823.87	101.36	88.054		
2,700.00	2,680.91	2,713.91	2,713.91	12.50	93.06	171.66	-1,061.53	-8,582.10	8,938.41	8,833.16	105.25	84.924		
2,800.00	2,780.02	2,813.02	2,813.02	12.95	96.51	171.67	-1,061.53	-8,582.10	8,951.58	8,842.44	109.14	82.016		
2,900.00	2,879.13	2,912.13	2,912.13	13.40	99.97	171.68	-1,061.53	-8,582.10	8,964.76	8,851.72	113.04	79.308		
3,000.00	2,978.24	3,011.24	3,011.24	13.85	103.43	171.69	-1,061.53	-8,582.10	8,977.93	8,861.00	116.93	76.779		
3,100.00	3,077.35	3,110.35	3,110.35	14.30	106.89	171.71	-1,061.53	-8,582.10	8,991.11	8,870.28	120.83	74.412		
3,200.00	3,176.46	3,209.46	3,209.46	14.76	110.35	171.72	-1,061.53	-8,582.10	9,004.28	8,879.56	124.72	72.193		
3,300.00	3,275.57	3,308.57	3,308.57	15.21	113.80	171.73	-1,061.53	-8,582.10	9,017.46	8,888.83	128.62	70.108		
3,400.00	3,374.68	3,407.68	3,407.68	15.67	117.26	171.74	-1,061.53	-8,582.10	9,030.63	8,898.11	132.52	68.145		
3,500.00	3,473.79	3,506.79	3,506.79	16.12	120.72	171.75	-1,061.53	-8,582.10	9,043.81	8,907.39	136.42	66.294		
3,600.00	3,572.90	3,605.90	3,605.90	16.58	124.18	171.77	-1,061.53	-8,582.10	9,056.99	8,916.67	140.32	64.545		
3,700.00	3,672.01	3,705.01	3,705.01	17.04	127.64	171.78	-1,061.53	-8,582.10	9,070.16	8,925.94	144.22	62.891		
3,800.00	3,771.12	3,804.12	3,804.12	17.50	131.10	171.79	-1,061.53	-8,582.10	9,083.34	8,935.22	148.12	61.324		
3,900.00	3,870.23	3,903.23	3,903.23	17.95	134.56	171.80	-1,061.53	-8,582.10	9,096.52	8,944.50	152.02	59.837		
4,000.00	3,969.34	4,002.34	4,002.34	18.41	138.02	171.81	-1,061.53	-8,582.10	9,109.70	8,953.78	155.92	58.424		
4,100.00	4,068.45	4,101.45	4,101.45	18.87	141.47	171.83	-1,061.53	-8,582.10	9,122.88	8,963.05	159.83	57.080		
4,200.00	4,167.56	4,200.56	4,200.56	19.33	144.93	171.84	-1,061.53	-8,582.10	9,136.06	8,972.33	163.73	55.800		
4,300.00	4,266.67	4,300.33	4,299.67	19.79	148.42	171.85	-1,061.53	-8,582.10	9,149.24	8,981.58	167.66	54.571		
4,400.00	4,365.78	4,401.22	4,398.78	20.25	151.94	171.86	-1,061.53	-8,582.10	9,162.42	8,990.80	171.62	53.387		
4,500.00	4,464.89	4,502.11	4,497.89	20.71	155.46	171.87	-1,061.53	-8,582.10	9,175.60	9,000.01	175.59	52.256		
4,600.00	4,564.00	4,603.00	4,597.00	21.17	158.98	171.88	-1,061.53	-8,582.10	9,188.78	9,009.23	179.55	51.175		
4,700.00	4,663.11	4,703.89	4,696.11	21.63	162.50	171.90	-1,061.53	-8,582.10	9,201.96	9,018.44	183.52	50.141		
4,800.00	4,762.22	4,804.78	4,795.22	22.09	166.02	171.91	-1,061.53	-8,582.10	9,215.14	9,027.65	187.49	49.151		
4,900.00	4,861.33	4,905.67	4,894.33	22.56	169.54	171.92	-1,061.53	-8,582.10	9,228.32	9,036.87	191.46	48.201		
5,000.00	4,960.44	5,006.56	4,993.44	23.02	173.07	171.93	-1,061.53	-8,582.10	9,241.51	9,046.08	195.42	47.290		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,107.45	5,092.55	23.48	176.59	171.94	-1,061.53	-8,582.10	9,254.69	9,055.30	199.39	46.415		
5,200.00	5,158.66	5,208.34	5,191.66	23.94	180.11	171.95	-1,061.53	-8,582.10	9,267.87	9,064.51	203.36	45.574		
5,300.00	5,257.77	5,309.23	5,290.77	24.40	183.63	171.97	-1,061.53	-8,582.10	9,281.06	9,073.73	207.33	44.765		
5,400.00	5,356.88	5,389.88	5,389.88	24.87	186.44	171.98	-1,061.53	-8,582.10	9,294.24	9,083.65	210.59	44.135		
5,500.00	5,455.99	5,488.99	5,488.99	25.33	189.90	171.99	-1,061.53	-8,582.10	9,307.43	9,092.93	214.49	43.392		
5,600.00	5,555.10	5,588.10	5,588.10	25.79	193.36	172.00	-1,061.53	-8,582.10	9,320.61	9,102.21	218.40	42.677		
5,700.00	5,654.21	5,687.21	5,687.21	26.25	196.82	172.01	-1,061.53	-8,582.10	9,333.79	9,111.49	222.31	41.986		
5,800.00	5,753.32	5,786.32	5,786.32	26.72	200.28	172.02	-1,061.53	-8,582.10	9,346.98	9,120.77	226.22	41.319		
5,900.00	5,852.43	5,885.43	5,885.43	27.18	203.74	172.03	-1,061.53	-8,582.10	9,360.17	9,130.04	230.12	40.675		
6,000.00	5,951.54	5,984.54	5,984.54	27.64	207.20	172.05	-1,061.53	-8,582.10	9,373.35	9,139.32	234.03	40.052		
6,100.00	6,050.65	6,083.65	6,083.65	28.11	210.66	172.06	-1,061.53	-8,582.10	9,386.54	9,148.60	237.94	39.450		
6,200.00	6,149.76	6,182.76	6,182.76	28.57	214.12	172.07	-1,061.53	-8,582.10	9,399.73	9,157.88	241.84	38.867		
6,300.00	6,248.87	6,281.87	6,281.87	29.03	217.58	172.08	-1,061.53	-8,582.10	9,412.91	9,167.16	245.75	38.302		
6,400.00	6,347.98	6,380.98	6,380.98	29.50	221.04	172.09	-1,061.53	-8,582.10	9,426.10	9,176.44	249.66	37.756		
6,475.54	6,422.84	6,455.84	6,455.84	29.85	223.65	172.10	-1,061.53	-8,582.10	9,436.06	9,183.45	252.61	37.354		
6,500.00	6,447.14	6,480.14	6,480.14	29.96	224.50	170.75	-1,061.53	-8,582.10	9,438.82	9,185.25	253.57	37.224		
6,550.00	6,497.05	6,530.05	6,530.05	30.17	226.24	149.71	-1,061.53	-8,582.10	9,441.56	9,186.04	255.53	36.950		
6,600.00	6,547.02	6,580.02	6,580.02	30.37	227.99	2.78	-1,061.53	-8,582.10	9,440.39	9,182.92	257.47	36.667		
6,650.00	6,596.75	6,629.75	6,629.75	30.55	229.72	-1.27	-1,061.53	-8,582.10	9,435.31	9,175.93	259.38	36.377		
6,700.00	6,645.93	6,678.93	6,678.93	30.74	231.44	-2.48	-1,061.53	-8,582.10	9,426.35	9,165.09	261.26	36.081		
6,750.00	6,694.25	6,727.25	6,727.25	30.93	233.13	-3.12	-1,061.53	-8,582.10	9,413.58	9,150.48	263.10	35.780		
6,800.00	6,741.43	6,774.43	6,774.43	31.12	234.77	-3.57	-1,061.53	-8,582.10	9,397.07	9,132.18	264.88	35.476		
6,850.00	6,787.16	6,820.16	6,820.16	31.32	236.37	-3.95	-1,061.53	-8,582.10	9,376.92	9,110.31	266.60	35.172		
6,900.00	6,831.16	6,864.16	6,864.16	31.52	237.91	-4.31	-1,061.53	-8,582.10	9,353.25	9,085.00	268.25	34.868		
6,950.00	6,873.17	6,906.17	6,906.17	31.74	239.37	-4.70	-1,061.53	-8,582.10	9,326.22	9,056.41	269.81	34.566		
7,000.00	6,912.92	6,945.92	6,945.92	31.96	240.76	-5.13	-1,061.53	-8,582.10	9,295.98	9,024.70	271.28	34.267		
7,050.00	6,950.18	6,983.18	6,983.18	32.21	242.06	-5.63	-1,061.53	-8,582.10	9,262.74	8,990.09	272.65	33.973		
7,100.00	6,984.70	7,017.70	7,017.70	32.48	243.27	-6.23	-1,061.53	-8,582.10	9,226.68	8,952.77	273.91	33.685		
7,150.00	7,016.29	7,049.29	7,049.29	32.77	244.37	-6.99	-1,061.53	-8,582.10	9,188.04	8,912.98	275.06	33.404		
7,200.00	7,044.73	7,077.73	7,077.73	33.10	245.36	-7.95	-1,061.53	-8,582.10	9,147.04	8,870.96	276.09	33.131		
7,250.00	7,069.86	7,102.86	7,102.86	33.46	246.24	-9.23	-1,061.53	-8,582.10	9,103.96	8,826.97	276.99	32.868		
7,300.00	7,091.53	7,124.53	7,124.53	33.86	246.99	-10.99	-1,061.53	-8,582.10	9,059.04	8,781.28	277.76	32.614		
7,350.00	7,109.59	7,142.59	7,142.59	34.30	247.62	-13.58	-1,061.53	-8,582.10	9,012.57	8,734.17	278.40	32.372		
7,400.00	7,123.94	7,156.94	7,156.94	34.78	248.13	-17.68	-1,061.53	-8,582.10	8,964.84	8,685.93	278.91	32.142		
7,450.00	7,134.49	7,167.49	7,167.49	35.29	248.49	-25.03	-1,061.53	-8,582.10	8,916.13	8,636.85	279.28	31.925		
7,500.00	7,141.18	7,174.18	7,174.18	35.84	248.73	-40.76	-1,061.53	-8,582.10	8,866.76	8,587.24	279.52	31.722		
7,550.00	7,143.95	7,176.95	7,176.95	36.42	248.82	-78.84	-1,061.53	-8,582.10	8,817.01	8,537.39	279.62	31.532		
7,567.79	7,144.00	7,177.00	7,177.00	36.63	248.83	-97.97	-1,061.53	-8,582.10	8,799.28	8,519.66	279.62	31.468		
7,600.00	7,143.62	7,176.62	7,176.62	37.03	248.81	-97.94	-1,061.53	-8,582.10	8,767.19	8,487.57	279.62	31.354		
7,700.00	7,142.46	7,175.46	7,175.46	38.38	248.77	-97.85	-1,061.53	-8,582.10	8,667.55	8,387.95	279.59	31.000		
7,800.00	7,141.29	7,174.29	7,174.29	39.88	248.73	-97.76	-1,061.53	-8,582.10	8,567.91	8,288.34	279.57	30.646		
7,900.00	7,140.13	7,173.13	7,173.13	41.53	248.69	-97.67	-1,061.53	-8,582.10	8,468.28	8,188.72	279.56	30.292		
8,000.00	7,138.97	7,171.97	7,171.97	43.30	248.65	-97.58	-1,061.53	-8,582.10	8,368.67	8,089.12	279.55	29.936		
8,100.00	7,137.80	7,170.80	7,170.80	45.18	248.61	-97.49	-1,061.53	-8,582.10	8,269.06	7,989.52	279.54	29.581		
8,200.00	7,136.64	7,169.64	7,169.64	47.16	248.57	-97.40	-1,061.53	-8,582.10	8,169.46	7,889.92	279.54	29.225		
8,300.00	7,135.48	7,168.48	7,168.48	49.22	248.53	-97.31	-1,061.53	-8,582.10	8,069.87	7,790.33	279.54	28.868		
8,400.00	7,134.32	7,167.32	7,167.32	51.36	248.49	-97.22	-1,061.53	-8,582.10	7,970.29	7,690.74	279.55	28.511		
8,500.00	7,133.15	7,166.15	7,166.15	53.56	248.45	-97.13	-1,061.53	-8,582.10	7,870.72	7,591.16	279.56	28.154		
8,600.00	7,131.99	7,164.99	7,164.99	55.82	248.41	-97.04	-1,061.53	-8,582.10	7,771.16	7,491.59	279.57	27.796		
8,700.00	7,130.83	7,163.83	7,163.83	58.13	248.37	-96.95	-1,061.53	-8,582.10	7,671.62	7,392.02	279.60	27.438		
8,800.00	7,129.66	7,162.66	7,162.66	60.49	248.33	-96.86	-1,061.53	-8,582.10	7,572.08	7,292.46	279.62	27.079		
8,900.00	7,128.50	7,161.50	7,161.50	62.89	248.28	-96.77	-1,061.53	-8,582.10	7,472.56	7,192.90	279.66	26.720		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,160.34	7,160.34	65.32	248.24	-96.68	-1,061.53	-8,582.10	7,373.05	7,093.35	279.70	26.361		
9,100.00	7,126.17	7,159.17	7,159.17	67.79	248.20	-96.59	-1,061.53	-8,582.10	7,273.55	6,993.81	279.75	26.001		
9,200.00	7,125.01	7,158.01	7,158.01	70.28	248.16	-96.50	-1,061.53	-8,582.10	7,174.07	6,894.27	279.80	25.640		
9,300.00	7,123.85	7,156.85	7,156.85	72.80	248.12	-96.41	-1,061.53	-8,582.10	7,074.60	6,794.74	279.86	25.279		
9,400.00	7,122.68	7,155.68	7,155.68	75.34	248.08	-96.32	-1,061.53	-8,582.10	6,975.15	6,695.22	279.93	24.917		
9,500.00	7,121.52	7,154.52	7,154.52	77.91	248.04	-96.23	-1,061.53	-8,582.10	6,875.71	6,595.70	280.01	24.555		
9,600.00	7,120.36	7,153.36	7,153.36	80.49	248.00	-96.14	-1,061.53	-8,582.10	6,776.29	6,496.19	280.09	24.193		
9,700.00	7,119.19	7,152.19	7,152.19	83.09	247.96	-96.05	-1,061.53	-8,582.10	6,676.88	6,396.69	280.19	23.830		
9,800.00	7,118.03	7,151.03	7,151.03	85.70	247.92	-95.96	-1,061.53	-8,582.10	6,577.50	6,297.20	280.30	23.466		
9,900.00	7,116.87	7,149.87	7,149.87	88.33	247.88	-95.86	-1,061.53	-8,582.10	6,478.13	6,197.72	280.41	23.102		
10,000.00	7,115.70	7,148.70	7,148.70	90.98	247.84	-95.77	-1,061.53	-8,582.10	6,378.78	6,098.24	280.54	22.738		
10,100.00	7,114.54	7,147.54	7,147.54	93.63	247.80	-95.68	-1,061.53	-8,582.10	6,279.45	5,998.78	280.68	22.373		
10,200.00	7,113.38	7,146.38	7,146.38	96.29	247.76	-95.59	-1,061.53	-8,582.10	6,180.15	5,899.32	280.83	22.007		
10,300.00	7,112.21	7,145.21	7,145.21	98.97	247.72	-95.50	-1,061.53	-8,582.10	6,080.86	5,799.88	280.99	21.641		
10,400.00	7,111.05	7,144.05	7,144.05	101.65	247.68	-95.41	-1,061.53	-8,582.10	5,981.60	5,700.44	281.16	21.274		
10,500.00	7,109.89	7,142.89	7,142.89	104.34	247.63	-95.32	-1,061.53	-8,582.10	5,882.37	5,601.01	281.36	20.907		
10,600.00	7,108.72	7,141.72	7,141.72	107.04	247.59	-95.23	-1,061.53	-8,582.10	5,783.16	5,501.60	281.56	20.539		
10,700.00	7,107.56	7,140.56	7,140.56	109.75	247.55	-95.14	-1,061.53	-8,582.10	5,683.98	5,402.19	281.79	20.171		
10,800.00	7,106.40	7,139.40	7,139.40	112.47	247.51	-95.05	-1,061.53	-8,582.10	5,584.82	5,302.80	282.03	19.802		
10,900.00	7,105.24	7,138.24	7,138.24	115.19	247.47	-94.96	-1,061.53	-8,582.10	5,485.70	5,203.41	282.29	19.433		
11,000.00	7,104.07	7,137.07	7,137.07	117.91	247.43	-94.87	-1,061.53	-8,582.10	5,386.61	5,104.04	282.57	19.063		
11,100.00	7,102.91	7,135.91	7,135.91	120.64	247.39	-94.78	-1,061.53	-8,582.10	5,287.56	5,004.69	282.87	18.693		
11,200.00	7,101.75	7,134.75	7,134.75	123.38	247.35	-94.69	-1,061.53	-8,582.10	5,188.53	4,905.34	283.19	18.322		
11,300.00	7,100.58	7,133.58	7,133.58	126.12	247.31	-94.60	-1,061.53	-8,582.10	5,089.55	4,806.01	283.54	17.950		
11,400.00	7,099.42	7,132.42	7,132.42	128.87	247.27	-94.50	-1,061.53	-8,582.10	4,990.61	4,706.70	283.91	17.578		
11,500.00	7,098.26	7,131.26	7,131.26	131.62	247.23	-94.41	-1,061.53	-8,582.10	4,891.71	4,607.40	284.31	17.205		
11,600.00	7,097.09	7,130.09	7,130.09	134.37	247.19	-94.32	-1,061.53	-8,582.10	4,792.86	4,508.11	284.74	16.832		
11,700.00	7,095.93	7,128.93	7,128.93	137.13	247.15	-94.23	-1,061.53	-8,582.10	4,694.05	4,408.85	285.21	16.458		
11,800.00	7,094.77	7,127.77	7,127.77	139.89	247.11	-94.14	-1,061.53	-8,582.10	4,595.30	4,309.60	285.70	16.084		
11,900.00	7,093.60	7,126.60	7,126.60	142.65	247.07	-94.05	-1,061.53	-8,582.10	4,496.60	4,210.36	286.24	15.709		
12,000.00	7,092.44	7,125.44	7,125.44	145.42	247.03	-93.96	-1,061.53	-8,582.10	4,397.96	4,111.15	286.81	15.334		
12,100.00	7,091.28	7,124.28	7,124.28	148.19	246.99	-93.87	-1,061.53	-8,582.10	4,299.38	4,011.96	287.42	14.958		
12,200.00	7,090.11	7,123.11	7,123.11	150.96	246.94	-93.78	-1,061.53	-8,582.10	4,200.87	3,912.79	288.08	14.582		
12,300.00	7,088.95	7,121.95	7,121.95	153.74	246.90	-93.69	-1,061.53	-8,582.10	4,102.43	3,813.64	288.79	14.206		
12,400.00	7,087.79	7,120.79	7,120.79	156.52	246.86	-93.60	-1,061.53	-8,582.10	4,004.07	3,714.52	289.55	13.829		
12,500.00	7,086.62	7,119.62	7,119.62	159.30	246.82	-93.50	-1,061.53	-8,582.10	3,905.79	3,615.42	290.37	13.451		
12,600.00	7,085.46	7,118.46	7,118.46	162.08	246.78	-93.41	-1,061.53	-8,582.10	3,807.60	3,516.35	291.25	13.073		
12,700.00	7,084.30	7,117.30	7,117.30	164.86	246.74	-93.32	-1,061.53	-8,582.10	3,709.50	3,417.31	292.19	12.695		
12,800.00	7,083.13	7,116.13	7,116.13	167.65	246.70	-93.23	-1,061.53	-8,582.10	3,611.51	3,318.30	293.21	12.317		
12,900.00	7,081.97	7,114.97	7,114.97	170.44	246.66	-93.14	-1,061.53	-8,582.10	3,513.63	3,219.33	294.30	11.939		
13,000.00	7,080.81	7,113.81	7,113.81	173.23	246.62	-93.05	-1,061.53	-8,582.10	3,415.88	3,120.39	295.48	11.560		
13,100.00	7,079.64	7,112.64	7,112.64	176.02	246.58	-92.96	-1,061.53	-8,582.10	3,318.26	3,021.50	296.76	11.182		
13,200.00	7,078.48	7,111.48	7,111.48	178.81	246.54	-92.87	-1,061.53	-8,582.10	3,220.78	2,922.65	298.13	10.803		
13,300.00	7,077.32	7,110.32	7,110.32	181.61	246.50	-92.77	-1,061.53	-8,582.10	3,123.46	2,823.86	299.61	10.425		
13,400.00	7,076.16	7,109.16	7,109.16	184.40	246.46	-92.68	-1,061.53	-8,582.10	3,026.32	2,725.11	301.21	10.047		
13,500.00	7,074.99	7,107.99	7,107.99	187.20	246.42	-92.59	-1,061.53	-8,582.10	2,929.37	2,626.43	302.94	9.670		
13,600.00	7,073.83	7,106.83	7,106.83	190.00	246.38	-92.50	-1,061.53	-8,582.10	2,832.63	2,527.81	304.82	9.293		
13,700.00	7,072.67	7,105.67	7,105.67	192.80	246.34	-92.41	-1,061.53	-8,582.10	2,736.13	2,429.27	306.86	8.917		
13,800.00	7,071.50	7,104.50	7,104.50	195.60	246.29	-92.32	-1,061.53	-8,582.10	2,639.88	2,330.81	309.07	8.541		
13,900.00	7,070.34	7,103.34	7,103.34	198.41	246.25	-92.23	-1,061.53	-8,582.10	2,543.93	2,232.45	311.48	8.167		
14,000.00	7,069.18	7,102.18	7,102.18	201.21	246.21	-92.14	-1,061.53	-8,582.10	2,448.29	2,134.19	314.10	7.795		
14,100.00	7,068.01	7,101.01	7,101.01	204.02	246.17	-92.04	-1,061.53	-8,582.10	2,353.02	2,036.06	316.96	7.424		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,200.00	7,066.85	7,100.15	7,099.85	206.82	246.14	-91.95	-1,061.53	-8,582.10	2,258.16	1,938.06	320.10	7.055		
14,300.00	7,065.69	7,101.31	7,098.69	209.63	246.18	-91.86	-1,061.53	-8,582.10	2,163.76	1,840.16	323.61	6.686		
14,400.00	7,064.52	7,102.48	7,097.52	212.44	246.22	-91.77	-1,061.53	-8,582.10	2,069.89	1,742.44	327.45	6.321		
14,500.00	7,063.36	7,103.64	7,096.36	215.25	246.26	-91.68	-1,061.53	-8,582.10	1,976.61	1,644.95	331.66	5.960		
14,600.00	7,062.20	7,104.80	7,095.20	218.06	246.31	-91.59	-1,061.53	-8,582.10	1,884.03	1,547.73	336.30	5.602		
14,700.00	7,061.03	7,105.97	7,094.03	220.87	246.35	-91.50	-1,061.53	-8,582.10	1,792.24	1,450.83	341.41	5.249		
14,800.00	7,059.87	7,107.13	7,092.87	223.68	246.39	-91.41	-1,061.53	-8,582.10	1,701.38	1,354.31	347.07	4.902		
14,900.00	7,058.71	7,108.29	7,091.71	226.49	246.43	-91.31	-1,061.53	-8,582.10	1,611.60	1,258.26	353.33	4.561		
15,000.00	7,057.54	7,109.46	7,090.54	229.30	246.47	-91.22	-1,061.53	-8,582.10	1,523.09	1,162.80	360.28	4.227		
15,100.00	7,056.38	7,089.38	7,089.38	232.12	245.77	-91.13	-1,061.53	-8,582.10	1,436.09	1,068.81	367.27	3.910		
15,200.00	7,055.22	7,088.22	7,088.22	234.93	245.73	-91.04	-1,061.53	-8,582.10	1,350.89	975.09	375.80	3.595		
15,300.00	7,054.05	7,087.05	7,087.05	237.75	245.69	-90.95	-1,061.53	-8,582.10	1,267.85	882.55	385.30	3.291		
15,400.00	7,052.89	7,085.89	7,085.89	240.56	245.65	-90.86	-1,061.53	-8,582.10	1,187.42	791.56	395.86	3.000		
15,500.00	7,051.73	7,084.73	7,084.73	243.38	245.60	-90.77	-1,061.53	-8,582.10	1,110.19	702.62	407.57	2.724		
15,600.00	7,050.56	7,083.56	7,083.56	246.20	245.56	-90.67	-1,061.53	-8,582.10	1,036.85	616.40	420.44	2.466		
15,648.52	7,050.00	7,083.00	7,083.00	247.57	245.54	-90.63	-1,061.53	-8,582.10	1,002.92	575.82	427.10	2.348	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-103.41	-1,299.22	-5,447.80	5,600.58					
100.00	100.00	63.83	63.83	3.28	3.28	-103.41	-1,299.08	-5,448.07	5,600.95	5,594.38	6.57	852.777		
200.00	200.00	155.30	155.29	3.34	3.31	-103.40	-1,298.53	-5,449.11	5,601.90	5,595.25	6.65	842.513		
300.00	300.00	264.38	264.37	3.44	3.41	-103.40	-1,298.03	-5,450.03	5,602.61	5,595.76	6.85	817.585		
400.00	399.98	382.43	382.41	3.60	3.58	165.10	-1,297.50	-5,450.89	5,604.92	5,597.74	7.18	780.903		
500.00	499.84	492.10	492.08	3.80	3.79	165.10	-1,296.94	-5,451.34	5,610.25	5,602.66	7.59	739.375		
600.00	599.45	609.91	609.88	4.04	4.07	165.09	-1,296.14	-5,451.59	5,618.73	5,610.62	8.10	693.438		
682.50	681.36	698.55	698.53	4.26	4.30	165.08	-1,295.26	-5,451.65	5,628.07	5,619.51	8.56	657.301		
700.00	698.71	714.21	714.18	4.32	4.35	165.09	-1,295.09	-5,451.65	5,630.28	5,621.62	8.66	650.284		
800.00	797.82	802.20	802.16	4.62	4.60	165.13	-1,294.20	-5,451.77	5,643.05	5,633.84	9.21	612.733		
900.00	896.93	895.26	895.22	4.95	4.89	165.17	-1,293.20	-5,452.05	5,655.97	5,646.16	9.82	576.152		
1,000.00	996.04	1,003.82	1,003.74	5.30	5.25	165.23	-1,290.63	-5,452.68	5,668.88	5,658.36	10.51	539.193		
1,100.00	1,095.15	1,055.97	1,055.83	5.67	5.43	165.28	-1,288.21	-5,453.44	5,682.12	5,671.06	11.06	513.980		
1,200.00	1,194.26	1,114.19	1,113.90	6.05	5.65	165.34	-1,284.34	-5,455.04	5,696.15	5,684.51	11.64	489.377		
1,300.00	1,293.37	1,192.15	1,191.47	6.45	5.97	165.44	-1,277.16	-5,458.02	5,710.69	5,698.35	12.34	462.798		
1,400.00	1,392.48	1,287.21	1,285.63	6.85	6.43	165.61	-1,265.07	-5,462.61	5,725.48	5,712.30	13.18	434.491		
1,500.00	1,491.59	1,427.85	1,423.97	7.26	7.21	165.91	-1,240.96	-5,470.26	5,739.97	5,725.62	14.35	399.885		
1,600.00	1,590.70	1,600.69	1,592.15	7.68	8.32	166.36	-1,202.41	-5,479.98	5,753.78	5,737.90	15.88	362.366		
1,700.00	1,689.81	1,700.00	1,765.63	8.10	9.05	166.94	-1,151.08	-5,489.30	5,765.86	5,748.84	17.02	338.814		
1,800.00	1,788.92	1,861.27	1,840.57	8.53	10.39	167.22	-1,125.27	-5,493.44	5,777.58	5,758.81	18.77	307.758		
1,900.00	1,888.03	1,900.00	1,876.90	8.96	10.73	167.36	-1,112.07	-5,495.86	5,790.23	5,770.70	19.53	296.547		
2,000.00	1,987.14	1,967.17	1,939.64	9.39	11.36	167.62	-1,088.55	-5,500.64	5,803.68	5,783.12	20.57	282.189		
2,100.00	2,086.25	2,038.44	2,005.83	9.83	12.05	167.90	-1,062.75	-5,506.34	5,817.93	5,796.27	21.67	268.512		
2,200.00	2,185.36	2,124.29	2,085.09	10.27	12.90	168.25	-1,030.55	-5,513.44	5,832.52	5,809.59	22.93	254.330		
2,300.00	2,284.47	2,193.27	2,148.74	10.71	13.59	168.53	-1,004.60	-5,519.36	5,847.63	5,823.60	24.03	243.306		
2,400.00	2,383.58	2,287.41	2,235.77	11.15	14.49	168.91	-969.68	-5,527.51	5,863.18	5,837.82	25.36	231.196		
2,500.00	2,482.69	2,360.97	2,303.92	11.60	15.19	169.20	-942.72	-5,533.87	5,879.05	5,852.58	26.47	222.104		
2,600.00	2,581.80	2,442.08	2,379.04	12.05	15.94	169.52	-913.03	-5,541.14	5,895.46	5,867.81	27.64	213.263		
2,700.00	2,680.91	2,575.92	2,503.08	12.50	17.18	170.04	-864.13	-5,552.84	5,912.00	5,882.68	29.31	201.688		
2,800.00	2,780.02	2,664.52	2,584.90	12.95	18.01	170.39	-830.93	-5,560.16	5,928.20	5,897.64	30.56	193.974		
2,900.00	2,879.13	2,728.34	2,643.71	13.40	18.62	170.64	-806.75	-5,565.65	5,944.95	5,913.38	31.58	188.277		
3,000.00	2,978.24	2,783.27	2,694.39	13.85	19.14	170.86	-786.18	-5,570.67	5,962.47	5,929.97	32.50	183.453		
3,100.00	3,077.35	2,926.01	2,826.26	14.30	20.47	171.42	-733.10	-5,583.63	5,980.30	5,946.04	34.26	174.561		
3,200.00	3,176.46	3,050.32	2,941.32	14.76	21.58	171.89	-687.15	-5,593.72	5,997.44	5,961.64	35.80	167.540		
3,300.00	3,275.57	3,124.22	3,010.13	15.21	22.21	172.16	-660.83	-5,599.50	6,014.73	5,977.88	36.84	163.252		
3,400.00	3,374.68	3,174.47	3,057.02	15.67	22.63	172.35	-643.23	-5,603.71	6,032.77	5,995.10	37.67	160.164		
3,500.00	3,473.79	3,262.04	3,138.68	16.12	23.38	172.66	-612.58	-5,611.50	6,051.51	6,012.69	38.82	155.869		
3,600.00	3,572.90	3,449.03	3,312.25	16.58	24.99	173.35	-544.62	-5,626.26	6,069.31	6,028.43	40.88	148.468		
3,700.00	3,672.01	3,500.00	3,359.57	17.04	25.42	173.54	-526.08	-5,630.02	6,087.14	6,045.43	41.71	145.925		
3,800.00	3,771.12	3,542.62	3,399.15	17.50	25.80	173.70	-510.64	-5,633.47	6,105.88	6,063.40	42.48	143.741		
3,900.00	3,870.23	3,600.00	3,452.38	17.95	26.30	173.90	-489.92	-5,638.96	6,125.88	6,082.51	43.37	141.236		
4,000.00	3,969.34	4,000.00	3,512.38	18.41	29.92	174.14	-466.24	-5,645.24	6,146.36	6,099.02	47.34	129.839		
4,100.00	4,068.45	3,855.04	3,687.89	18.87	28.62	174.85	-394.78	-5,661.76	6,165.91	6,119.39	46.53	132.524		
4,200.00	4,167.56	3,963.24	3,787.29	19.33	29.62	175.26	-352.94	-5,670.45	6,185.35	6,137.42	47.94	129.033		
4,300.00	4,266.67	4,038.50	3,856.38	19.79	30.32	175.55	-323.68	-5,676.37	6,204.89	6,155.86	49.03	126.551		
4,400.00	4,365.78	4,100.00	3,912.80	20.25	30.89	175.78	-299.77	-5,681.53	6,225.12	6,175.13	49.99	124.525		
4,500.00	4,464.89	4,190.57	3,996.20	20.71	31.72	176.11	-265.30	-5,689.32	6,245.81	6,194.60	51.21	121.955		
4,600.00	4,564.00	4,270.57	4,070.17	21.17	32.44	176.40	-235.63	-5,696.19	6,266.73	6,214.42	52.32	119.787		
4,700.00	4,663.11	4,396.11	4,186.24	21.63	33.55	176.85	-189.00	-5,706.88	6,287.84	6,234.00	53.84	116.798		
4,800.00	4,762.22	4,477.27	4,261.30	22.09	34.26	177.13	-158.85	-5,713.52	6,308.83	6,253.90	54.93	114.844		
4,900.00	4,861.33	4,544.31	4,323.27	22.56	34.85	177.37	-133.92	-5,719.17	6,330.27	6,274.36	55.91	113.232		
5,000.00	4,960.44	4,611.98	4,385.73	23.02	35.46	177.61	-108.57	-5,725.17	6,352.31	6,295.43	56.88	111.676		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	4,718.93	4,484.74	23.48	36.40	177.98	-69.26	-5,734.60	6,374.51	6,316.29	58.22	109.499		
5,200.00	5,158.66	4,789.98	4,550.73	23.94	37.01	178.22	-43.69	-5,740.94	6,396.99	6,337.80	59.20	108.066		
5,300.00	5,257.77	4,877.57	4,631.97	24.40	37.78	178.51	-11.94	-5,748.92	6,419.86	6,359.52	60.34	106.399		
5,400.00	5,356.88	5,400.00	4,737.06	24.87	42.46	178.90	30.71	-5,758.91	6,442.63	6,377.30	65.34	98.605		
5,500.00	5,455.99	5,069.89	4,809.44	25.33	39.50	179.17	60.23	-5,765.67	6,465.53	6,402.71	62.82	102.928		
5,600.00	5,555.10	5,152.72	4,885.96	25.79	40.24	179.45	91.04	-5,773.16	6,488.98	6,425.06	63.92	101.517		
5,700.00	5,654.21	5,264.29	4,989.31	26.25	41.21	179.82	131.90	-5,783.09	6,512.46	6,447.18	65.28	99.761		
5,800.00	5,753.32	5,344.33	5,063.47	26.72	41.91	-179.91	161.18	-5,790.06	6,535.98	6,469.63	66.34	98.518		
5,900.00	5,852.43	5,420.21	5,133.59	27.18	42.59	-179.66	189.36	-5,796.92	6,560.00	6,492.63	67.37	97.371		
6,000.00	5,951.54	5,537.87	5,242.08	27.64	43.64	-179.27	233.74	-5,807.15	6,583.93	6,515.12	68.80	95.691		
6,100.00	6,050.65	5,714.76	5,405.97	28.11	45.16	-178.70	298.65	-5,821.78	6,607.83	6,537.08	70.74	93.406		
6,200.00	6,149.76	5,795.30	5,480.89	28.57	45.82	-178.45	327.60	-5,827.84	6,630.97	6,559.20	71.77	92.396		
6,300.00	6,248.87	6,165.09	5,833.52	29.03	48.09	-177.52	435.97	-5,848.92	6,650.89	6,576.27	74.62	89.135		
6,400.00	6,347.98	6,291.42	5,956.76	29.50	48.65	-177.29	463.00	-5,854.90	6,670.55	6,594.95	75.60	88.233		
6,475.54	6,422.84	6,416.92	6,080.28	29.85	49.12	-177.11	484.59	-5,860.17	6,684.72	6,608.30	76.42	87.470		
6,500.00	6,447.14	6,435.73	6,098.84	29.96	49.18	-178.49	487.49	-5,860.94	6,688.79	6,612.21	76.58	87.343		
6,550.00	6,497.05	6,487.62	6,150.15	30.17	49.35	160.45	494.92	-5,863.07	6,694.21	6,617.25	76.96	86.980		
6,600.00	6,547.02	6,857.77	6,518.70	30.37	50.37	13.82	526.48	-5,871.92	6,695.32	6,616.99	78.33	85.472		
6,650.00	6,596.75	6,913.64	6,574.52	30.55	50.51	9.88	528.69	-5,871.99	6,690.56	6,611.91	78.65	85.069		
6,700.00	6,645.93	6,955.53	6,616.39	30.74	50.61	8.85	529.90	-5,872.09	6,681.94	6,603.03	78.91	84.678		
6,750.00	6,694.25	6,999.36	6,660.22	30.93	50.71	8.47	530.78	-5,872.25	6,669.55	6,590.38	79.17	84.248		
6,800.00	6,741.43	7,049.10	6,709.95	31.12	50.83	8.37	531.52	-5,872.46	6,653.43	6,574.01	79.42	83.772		
6,850.00	6,787.16	7,097.44	6,758.28	31.32	50.95	8.45	532.17	-5,872.66	6,633.66	6,554.00	79.66	83.271		
6,900.00	6,831.16	7,139.26	6,800.10	31.52	51.05	8.66	532.70	-5,872.83	6,610.38	6,530.51	79.87	82.763		
6,950.00	6,873.17	7,178.95	6,839.79	31.74	51.15	8.99	533.23	-5,873.00	6,583.75	6,503.69	80.06	82.236		
7,000.00	6,912.92	7,217.76	6,878.59	31.96	51.24	9.45	533.78	-5,873.18	6,553.93	6,473.69	80.23	81.688		
7,050.00	6,950.18	7,255.58	6,916.41	32.21	51.34	10.07	534.33	-5,873.35	6,521.09	6,440.70	80.39	81.120		
7,100.00	6,984.70	7,290.64	6,951.46	32.48	51.42	10.87	534.87	-5,873.51	6,485.43	6,404.90	80.52	80.540		
7,150.00	7,016.29	7,315.44	6,976.26	32.77	51.48	11.89	535.27	-5,873.63	6,447.19	6,366.57	80.62	79.968		
7,200.00	7,044.73	7,335.17	6,995.98	33.10	51.53	13.21	535.56	-5,873.75	6,406.63	6,325.93	80.70	79.392		
7,250.00	7,069.86	7,350.00	7,010.81	33.46	51.57	14.97	535.78	-5,873.86	6,363.99	6,283.24	80.75	78.812		
7,300.00	7,091.53	7,350.00	7,010.81	33.86	51.57	17.31	535.78	-5,873.86	6,319.56	6,238.81	80.75	78.259		
7,350.00	7,109.59	7,350.00	7,010.81	34.30	51.57	20.63	535.78	-5,873.86	6,273.60	6,192.85	80.75	77.692		
7,400.00	7,123.94	7,350.00	7,010.81	34.78	51.57	25.61	535.78	-5,873.86	6,226.37	6,145.63	80.74	77.112		
7,450.00	7,134.49	7,350.00	7,010.81	35.29	51.57	33.68	535.78	-5,873.86	6,178.13	6,097.39	80.74	76.520		
7,500.00	7,141.18	7,350.00	7,010.81	35.84	51.57	47.88	535.78	-5,873.86	6,129.15	6,048.41	80.73	75.918		
7,550.00	7,143.95	7,350.00	7,010.81	36.42	51.57	73.22	535.78	-5,873.86	6,079.72	5,998.99	80.73	75.307		
7,567.79	7,144.00	7,350.00	7,010.81	36.63	51.57	85.07	535.78	-5,873.86	6,062.08	5,981.35	80.73	75.087		
7,600.00	7,143.62	7,350.00	7,010.81	37.03	51.57	85.07	535.78	-5,873.86	6,030.15	5,949.41	80.74	74.690		
7,700.00	7,142.46	7,350.00	7,010.81	38.38	51.57	85.07	535.78	-5,873.86	5,931.01	5,850.26	80.75	73.452		
7,800.00	7,141.29	7,350.00	7,010.81	39.88	51.57	85.07	535.78	-5,873.86	5,831.89	5,751.13	80.77	72.208		
7,900.00	7,140.13	7,350.00	7,010.81	41.53	51.57	85.07	535.78	-5,873.86	5,732.81	5,652.02	80.79	70.958		
8,000.00	7,138.97	7,350.00	7,010.81	43.30	51.57	85.07	535.78	-5,873.86	5,633.77	5,552.94	80.83	69.703		
8,100.00	7,137.80	7,350.00	7,010.81	45.18	51.57	85.07	535.78	-5,873.86	5,534.75	5,453.88	80.87	68.441		
8,200.00	7,136.64	7,350.00	7,010.81	47.16	51.57	85.07	535.78	-5,873.86	5,435.77	5,354.85	80.92	67.173		
8,300.00	7,135.48	7,350.00	7,010.81	49.22	51.57	85.07	535.78	-5,873.86	5,336.83	5,255.85	80.99	65.899		
8,400.00	7,134.32	7,350.00	7,010.81	51.36	51.57	85.07	535.78	-5,873.86	5,237.93	5,156.87	81.06	64.618		
8,500.00	7,133.15	7,350.00	7,010.81	53.56	51.57	85.07	535.78	-5,873.86	5,139.08	5,057.93	81.15	63.330		
8,600.00	7,131.99	7,350.00	7,010.81	55.82	51.57	85.07	535.78	-5,873.86	5,040.27	4,959.02	81.25	62.036		
8,700.00	7,130.83	7,350.00	7,010.81	58.13	51.57	85.07	535.78	-5,873.86	4,941.50	4,860.14	81.36	60.734		
8,800.00	7,129.66	7,350.00	7,010.81	60.49	51.57	85.07	535.78	-5,873.86	4,842.79	4,761.30	81.49	59.425		
8,900.00	7,128.50	7,350.00	7,010.81	62.89	51.57	85.07	535.78	-5,873.86	4,744.13	4,662.49	81.64	58.109		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,350.00	7,010.81	65.32	51.57	85.07	535.78	-5,873.86	4,645.53	4,563.72	81.81	56.785		
9,100.00	7,126.17	7,350.00	7,010.81	67.79	51.57	85.07	535.78	-5,873.86	4,546.99	4,464.99	82.00	55.454		
9,200.00	7,125.01	7,350.00	7,010.81	70.28	51.57	85.07	535.78	-5,873.86	4,448.51	4,366.30	82.21	54.114		
9,300.00	7,123.85	7,350.00	7,010.81	72.80	51.57	85.07	535.78	-5,873.86	4,350.10	4,267.66	82.44	52.767		
9,400.00	7,122.68	7,350.00	7,010.81	75.34	51.57	85.07	535.78	-5,873.86	4,251.77	4,169.07	82.70	51.412		
9,500.00	7,121.52	7,350.00	7,010.81	77.91	51.57	85.07	535.78	-5,873.86	4,153.52	4,070.53	82.99	50.049		
9,600.00	7,120.36	7,350.00	7,010.81	80.49	51.57	85.07	535.78	-5,873.86	4,055.35	3,972.04	83.31	48.677		
9,700.00	7,119.19	7,350.00	7,010.81	83.09	51.57	85.07	535.78	-5,873.86	3,957.28	3,873.61	83.67	47.298		
9,800.00	7,118.03	7,350.00	7,010.81	85.70	51.57	85.07	535.78	-5,873.86	3,859.30	3,775.24	84.06	45.911		
9,900.00	7,116.87	7,350.00	7,010.81	88.33	51.57	85.07	535.78	-5,873.86	3,761.43	3,676.94	84.49	44.517		
10,000.00	7,115.70	7,350.00	7,010.81	90.98	51.57	85.07	535.78	-5,873.86	3,663.68	3,578.70	84.97	43.115		
10,100.00	7,114.54	7,350.00	7,010.81	93.63	51.57	85.07	535.78	-5,873.86	3,566.05	3,480.54	85.50	41.707		
10,200.00	7,113.38	7,350.00	7,010.81	96.29	51.57	85.07	535.78	-5,873.86	3,468.55	3,382.47	86.09	40.292		
10,300.00	7,112.21	7,350.00	7,010.81	98.97	51.57	85.07	535.78	-5,873.86	3,371.20	3,284.47	86.73	38.871		
10,400.00	7,111.05	7,350.00	7,010.81	101.65	51.57	85.07	535.78	-5,873.86	3,274.01	3,186.58	87.44	37.445		
10,500.00	7,109.89	7,350.00	7,010.81	104.34	51.57	85.07	535.78	-5,873.86	3,177.00	3,088.79	88.22	36.014		
10,600.00	7,108.72	7,350.00	7,010.81	107.04	51.57	85.07	535.78	-5,873.86	3,080.18	2,991.10	89.07	34.580		
10,700.00	7,107.56	7,350.00	7,010.81	109.75	51.57	85.07	535.78	-5,873.86	2,983.56	2,893.55	90.02	33.144		
10,800.00	7,106.40	7,350.00	7,010.81	112.47	51.57	85.07	535.78	-5,873.86	2,887.18	2,796.12	91.06	31.708		
10,900.00	7,105.24	7,350.00	7,010.81	115.19	51.57	85.07	535.78	-5,873.86	2,791.05	2,698.85	92.20	30.271		
11,000.00	7,104.07	7,350.00	7,010.81	117.91	51.57	85.07	535.78	-5,873.86	2,695.21	2,601.75	93.46	28.838		
11,100.00	7,102.91	7,350.00	7,010.81	120.64	51.57	85.07	535.78	-5,873.86	2,599.67	2,504.82	94.85	27.409		
11,200.00	7,101.75	7,350.00	7,010.81	123.38	51.57	85.07	535.78	-5,873.86	2,504.49	2,408.11	96.38	25.986		
11,300.00	7,100.58	7,350.00	7,010.81	126.12	51.57	85.07	535.78	-5,873.86	2,409.69	2,311.63	98.06	24.573		
11,400.00	7,099.42	7,350.00	7,010.81	128.87	51.57	85.07	535.78	-5,873.86	2,315.34	2,215.41	99.92	23.172		
11,500.00	7,098.26	7,350.00	7,010.81	131.62	51.57	85.07	535.78	-5,873.86	2,221.47	2,119.50	101.97	21.785		
11,600.00	7,097.09	7,350.00	7,010.81	134.37	51.57	85.07	535.78	-5,873.86	2,128.17	2,023.93	104.24	20.416		
11,700.00	7,095.93	7,350.00	7,010.81	137.13	51.57	85.07	535.78	-5,873.86	2,035.50	1,928.75	106.75	19.068		
11,800.00	7,094.77	7,350.00	7,010.81	139.89	51.57	85.07	535.78	-5,873.86	1,943.56	1,834.03	109.53	17.745		
11,900.00	7,093.60	7,350.00	7,010.81	142.65	51.57	85.07	535.78	-5,873.86	1,852.45	1,739.85	112.60	16.452		
12,000.00	7,092.44	7,350.00	7,010.81	145.42	51.57	85.07	535.78	-5,873.86	1,762.31	1,646.30	116.01	15.191		
12,100.00	7,091.28	7,350.00	7,010.81	148.19	51.57	85.07	535.78	-5,873.86	1,673.29	1,553.50	119.80	13.968		
12,200.00	7,090.11	7,350.00	7,010.81	150.96	51.57	85.07	535.78	-5,873.86	1,585.58	1,461.58	124.00	12.787		
12,300.00	7,088.95	7,350.00	7,010.81	153.74	51.57	85.07	535.78	-5,873.86	1,499.41	1,370.74	128.67	11.653		
12,400.00	7,087.79	7,350.00	7,010.81	156.52	51.57	85.07	535.78	-5,873.86	1,415.06	1,281.20	133.86	10.571		
12,500.00	7,086.62	7,350.00	7,010.81	159.30	51.57	85.07	535.78	-5,873.86	1,332.87	1,193.26	139.61	9.547		
12,600.00	7,085.46	7,350.00	7,010.81	162.08	51.57	85.07	535.78	-5,873.86	1,253.28	1,107.30	145.98	8.585		
12,700.00	7,084.30	7,350.00	7,010.81	164.86	51.57	85.07	535.78	-5,873.86	1,176.80	1,023.80	153.00	7.691		
12,800.00	7,083.13	7,350.00	7,010.81	167.65	51.57	85.07	535.78	-5,873.86	1,104.10	943.41	160.68	6.871		
12,900.00	7,081.97	7,350.00	7,010.81	170.44	51.57	85.07	535.78	-5,873.86	1,035.95	866.95	169.00	6.130		
13,000.00	7,080.81	7,350.00	7,010.81	173.23	51.57	85.07	535.78	-5,873.86	973.32	795.46	177.86	5.472		
13,100.00	7,079.64	7,350.00	7,010.81	176.02	51.57	85.07	535.78	-5,873.86	917.34	730.25	187.09	4.903		
13,200.00	7,078.48	7,350.00	7,010.81	178.81	51.57	85.07	535.78	-5,873.86	869.29	672.91	196.39	4.426		
13,300.00	7,077.32	7,350.00	7,010.81	181.61	51.57	85.07	535.78	-5,873.86	830.56	625.23	205.33	4.045		
13,400.00	7,076.16	7,350.00	7,010.81	184.40	51.57	85.07	535.78	-5,873.86	802.49	589.11	213.38	3.761		
13,500.00	7,074.99	7,350.00	7,010.81	187.20	51.57	85.07	535.78	-5,873.86	786.23	566.28	219.95	3.575		
13,579.20	7,074.07	7,350.00	7,010.81	189.42	51.57	85.07	535.78	-5,873.86	782.23	558.51	223.72	3.496 CC		
13,600.00	7,073.83	7,350.00	7,010.81	190.00	51.57	85.07	535.78	-5,873.86	782.51	558.03	224.47	3.486 ES, SF		
13,700.00	7,072.67	7,350.00	7,010.81	192.80	51.57	85.07	535.78	-5,873.86	791.50	564.91	226.60	3.493		
13,800.00	7,071.50	7,350.00	7,010.81	195.60	51.57	85.07	535.78	-5,873.86	812.80	586.54	226.26	3.592		
13,900.00	7,070.34	7,350.00	7,010.81	198.41	51.57	85.07	535.78	-5,873.86	845.46	621.73	223.72	3.779		
14,000.00	7,069.18	7,350.00	7,010.81	201.21	51.57	85.07	535.78	-5,873.86	888.23	668.76	219.48	4.047		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,068.01	7,350.00	7,010.81	204.02	51.57	85.07	535.78	-5,873.86	939.74	725.67	214.07	4.390		
14,200.00	7,066.85	7,350.00	7,010.81	206.82	51.57	85.07	535.78	-5,873.86	998.64	790.61	208.02	4.801		
14,300.00	7,065.69	7,350.00	7,010.81	209.63	51.57	85.07	535.78	-5,873.86	1,063.69	861.96	201.73	5.273		
14,400.00	7,064.52	7,350.00	7,010.81	212.44	51.57	85.07	535.78	-5,873.86	1,133.84	938.38	195.47	5.801		
14,500.00	7,063.36	7,350.00	7,010.81	215.25	51.57	85.07	535.78	-5,873.86	1,208.21	1,018.78	189.43	6.378		
14,600.00	7,062.20	7,350.00	7,010.81	218.06	51.57	85.07	535.78	-5,873.86	1,286.05	1,102.35	183.70	7.001		
14,700.00	7,061.03	7,350.00	7,010.81	220.87	51.57	85.07	535.78	-5,873.86	1,366.78	1,188.43	178.35	7.663		
14,800.00	7,059.87	7,350.00	7,010.81	223.68	51.57	85.07	535.78	-5,873.86	1,449.91	1,276.52	173.39	8.362		
14,900.00	7,058.71	7,350.00	7,010.81	226.49	51.57	85.07	535.78	-5,873.86	1,535.06	1,366.25	168.81	9.093		
15,000.00	7,057.54	7,350.00	7,010.81	229.30	51.57	85.07	535.78	-5,873.86	1,621.90	1,457.31	164.59	9.854		
15,100.00	7,056.38	7,350.00	7,010.81	232.12	51.57	85.07	535.78	-5,873.86	1,710.18	1,549.46	160.72	10.641		
15,200.00	7,055.22	7,350.00	7,010.81	234.93	51.57	85.07	535.78	-5,873.86	1,799.69	1,642.53	157.16	11.451		
15,300.00	7,054.05	7,350.00	7,010.81	237.75	51.57	85.07	535.78	-5,873.86	1,890.25	1,736.36	153.89	12.283		
15,400.00	7,052.89	7,350.00	7,010.81	240.56	51.57	85.07	535.78	-5,873.86	1,981.72	1,830.84	150.88	13.134		
15,500.00	7,051.73	7,350.00	7,010.81	243.38	51.57	85.07	535.78	-5,873.86	2,073.97	1,925.86	148.11	14.003		
15,600.00	7,050.56	7,350.00	7,010.81	246.20	51.57	85.07	535.78	-5,873.86	2,166.92	2,021.36	145.56	14.887		
15,648.52	7,050.00	7,350.00	7,010.81	247.57	51.57	85.07	535.78	-5,873.86	2,212.24	2,067.84	144.39	15.321		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-103.49	-1,306.50	-5,447.80	5,602.27					
100.00	100.00	53.32	53.32	3.28	3.28	-103.48	-1,306.33	-5,448.09	5,602.74	5,596.18	6.57	853.130		
200.00	200.00	108.73	108.72	3.34	3.29	-103.48	-1,305.79	-5,448.99	5,604.08	5,597.45	6.63	845.329		
300.00	300.00	206.63	206.59	3.44	3.36	-103.46	-1,304.33	-5,451.08	5,605.80	5,599.00	6.80	824.374		
400.00	399.98	310.92	310.84	3.60	3.48	165.05	-1,302.88	-5,453.27	5,609.21	5,602.13	7.08	792.635		
500.00	499.84	441.74	441.63	3.80	3.71	165.06	-1,301.13	-5,455.49	5,615.59	5,608.09	7.50	748.974		
600.00	599.45	543.33	543.19	4.04	3.93	165.05	-1,299.35	-5,457.00	5,625.05	5,617.09	7.96	706.783		
682.50	681.36	618.42	618.25	4.26	4.11	165.04	-1,297.68	-5,458.27	5,635.46	5,627.09	8.37	673.248		
700.00	698.71	635.05	634.88	4.32	4.16	165.05	-1,297.31	-5,458.57	5,637.92	5,629.45	8.47	665.903		
800.00	797.82	746.06	745.85	4.62	4.47	165.12	-1,294.92	-5,460.48	5,651.97	5,642.90	9.07	623.079		
900.00	896.93	838.70	838.44	4.95	4.75	165.18	-1,292.53	-5,461.86	5,665.71	5,656.04	9.67	585.842		
1,000.00	996.04	900.08	899.78	5.30	4.94	165.22	-1,290.55	-5,463.22	5,680.01	5,669.81	10.21	556.560		
1,100.00	1,095.15	1,015.25	1,014.85	5.67	5.33	165.31	-1,286.66	-5,466.04	5,694.50	5,683.56	10.95	520.175		
1,200.00	1,194.26	1,104.30	1,103.83	6.05	5.64	165.37	-1,283.77	-5,468.18	5,708.98	5,697.36	11.62	491.153		
1,300.00	1,293.37	1,213.81	1,213.25	6.45	6.03	165.45	-1,280.32	-5,470.66	5,723.35	5,710.96	12.39	461.795		
1,400.00	1,392.48	1,283.37	1,282.76	6.85	6.29	165.50	-1,278.32	-5,472.35	5,737.96	5,724.92	13.03	440.294		
1,500.00	1,491.59	1,392.55	1,391.86	7.26	6.69	165.57	-1,275.42	-5,475.21	5,752.81	5,738.98	13.83	415.898		
1,600.00	1,590.70	1,496.80	1,496.05	7.68	7.09	165.64	-1,272.60	-5,477.71	5,767.44	5,752.82	14.63	394.295		
1,700.00	1,689.81	1,623.84	1,623.01	8.10	7.57	165.72	-1,269.25	-5,480.33	5,781.76	5,766.24	15.52	372.453		
1,800.00	1,788.92	1,700.00	1,699.14	8.53	7.87	165.76	-1,267.32	-5,481.70	5,795.91	5,779.68	16.23	357.182		
1,900.00	1,888.03	1,753.45	1,752.56	8.96	8.08	165.80	-1,265.97	-5,482.98	5,810.70	5,793.85	16.84	344.973		
2,000.00	1,987.14	1,800.00	1,799.06	9.39	8.26	165.83	-1,264.74	-5,484.65	5,826.47	5,809.03	17.44	334.181		
2,100.00	2,086.25	1,830.66	1,829.67	9.83	8.39	165.85	-1,263.76	-5,486.11	5,843.25	5,825.28	17.96	325.264		
2,200.00	2,185.36	1,864.56	1,863.48	10.27	8.53	165.88	-1,262.31	-5,488.17	5,861.12	5,842.61	18.51	316.692		
2,300.00	2,284.47	1,900.00	1,898.77	10.71	8.68	165.91	-1,260.40	-5,490.81	5,880.07	5,861.02	19.06	308.574		
2,400.00	2,383.58	2,074.93	2,072.86	11.15	9.44	166.10	-1,249.69	-5,504.09	5,899.18	5,878.94	20.24	291.399		
2,500.00	2,482.69	2,161.96	2,159.38	11.60	9.83	166.21	-1,242.71	-5,510.26	5,917.34	5,896.29	21.05	281.148		
2,600.00	2,581.80	2,221.28	2,218.31	12.05	10.10	166.29	-1,237.57	-5,514.85	5,936.03	5,914.31	21.72	273.248		
2,700.00	2,680.91	2,269.57	2,266.24	12.50	10.32	166.35	-1,233.41	-5,518.98	5,955.50	5,933.15	22.35	266.482		
2,800.00	2,780.02	2,322.18	2,318.42	12.95	10.57	166.42	-1,228.92	-5,523.91	5,975.79	5,952.79	23.00	259.872		
2,900.00	2,879.13	2,382.17	2,377.85	13.40	10.85	166.50	-1,223.35	-5,530.01	5,996.76	5,973.06	23.68	253.237		
3,000.00	2,978.24	2,539.96	2,533.93	13.85	11.62	166.74	-1,206.73	-5,546.05	6,017.46	5,992.58	24.88	241.878		
3,100.00	3,077.35	2,619.62	2,612.52	14.30	12.03	166.87	-1,196.64	-5,554.18	6,037.91	6,012.22	25.69	235.059		
3,200.00	3,176.46	2,686.59	2,678.53	14.76	12.37	166.99	-1,187.84	-5,561.36	6,058.80	6,032.36	26.43	229.198		
3,300.00	3,275.57	2,745.09	2,736.16	15.21	12.67	167.09	-1,180.29	-5,567.92	6,080.26	6,053.12	27.13	224.084		
3,400.00	3,374.68	2,800.00	2,790.26	15.67	12.96	167.18	-1,173.42	-5,574.40	6,102.39	6,074.58	27.81	219.419		
3,500.00	3,473.79	2,866.46	2,855.70	16.12	13.31	167.30	-1,165.23	-5,582.60	6,125.12	6,096.57	28.55	214.526		
3,600.00	3,572.90	2,924.53	2,912.83	16.58	13.62	167.39	-1,158.03	-5,590.09	6,148.41	6,119.17	29.25	210.235		
3,700.00	3,672.01	2,975.28	2,962.72	17.04	13.90	167.48	-1,151.74	-5,597.00	6,172.42	6,142.52	29.90	206.455		
3,800.00	3,771.12	3,027.92	3,014.40	17.50	14.19	167.57	-1,145.24	-5,604.54	6,197.16	6,166.60	30.56	202.797		
3,900.00	3,870.23	3,082.39	3,067.85	17.95	14.49	167.66	-1,138.65	-5,612.69	6,222.57	6,191.34	31.23	199.256		
4,000.00	3,969.34	3,219.49	3,202.27	18.41	15.27	167.89	-1,121.42	-5,633.49	6,248.24	6,215.84	32.39	192.880		
4,100.00	4,068.45	3,286.36	3,267.76	18.87	15.66	168.01	-1,112.57	-5,643.63	6,273.73	6,240.58	33.15	189.252		
4,200.00	4,167.56	3,420.10	3,398.67	19.33	16.44	168.25	-1,094.07	-5,663.85	6,299.23	6,264.91	34.32	183.550		
4,300.00	4,266.67	3,554.61	3,530.57	19.79	17.21	168.48	-1,075.88	-5,682.91	6,323.80	6,288.32	35.48	178.213		
4,400.00	4,365.78	3,688.35	3,661.67	20.25	17.97	168.71	-1,057.13	-5,701.60	6,348.32	6,311.67	36.65	173.223		
4,500.00	4,464.89	3,779.85	3,751.28	20.71	18.49	168.88	-1,043.52	-5,714.07	6,372.37	6,334.80	37.56	169.645		
4,600.00	4,564.00	3,850.01	3,819.96	21.17	18.90	169.01	-1,033.02	-5,723.80	6,396.71	6,358.36	38.35	166.807		
4,700.00	4,663.11	3,935.00	3,903.13	21.63	19.39	169.16	-1,020.37	-5,735.95	6,421.50	6,382.28	39.22	163.718		
4,800.00	4,762.22	4,033.43	3,999.62	22.09	19.96	169.33	-1,006.64	-5,749.67	6,446.12	6,405.95	40.18	160.446		
4,900.00	4,861.33	4,100.00	4,064.82	22.56	20.34	169.44	-997.18	-5,759.27	6,471.21	6,430.28	40.93	158.102		
5,000.00	4,960.44	4,149.63	4,113.39	23.02	20.64	169.52	-990.21	-5,766.70	6,496.87	6,455.29	41.58	156.261		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	4,212.00	4,174.49	23.48	21.00	169.62	-982.11	-5,776.30	6,523.14	6,480.84	42.30	154.211		
5,200.00	5,158.66	4,313.33	4,273.84	23.94	21.59	169.78	-969.81	-5,791.91	6,549.58	6,506.32	43.26	151.404		
5,300.00	5,257.77	4,392.72	4,351.60	24.40	22.06	169.90	-959.67	-5,804.28	6,576.15	6,532.06	44.09	149.168		
5,400.00	5,356.88	4,534.30	4,490.22	24.87	22.90	170.13	-940.58	-5,825.85	6,602.27	6,556.95	45.31	145.699		
5,500.00	5,455.99	4,600.00	4,554.55	25.33	23.28	170.23	-931.82	-5,835.93	6,628.62	6,582.56	46.06	143.921		
5,600.00	5,555.10	4,818.24	4,768.29	25.79	24.55	170.58	-901.37	-5,867.70	6,654.10	6,606.33	47.77	139.291		
5,700.00	5,654.21	4,916.58	4,864.66	26.25	25.12	170.74	-887.23	-5,881.25	6,678.95	6,630.23	48.72	137.077		
5,800.00	5,753.32	5,001.68	4,948.14	26.72	25.60	170.87	-875.52	-5,892.94	6,703.87	6,654.29	49.59	135.198		
5,900.00	5,852.43	5,753.16	5,693.37	27.18	28.96	171.61	-814.09	-5,956.94	6,725.92	6,672.13	53.79	125.038		
6,000.00	5,951.54	5,923.14	5,863.28	27.64	29.58	171.67	-811.02	-5,960.70	6,741.12	6,686.21	54.91	122.767		
6,100.00	6,050.65	6,057.44	5,997.56	28.11	30.06	171.70	-809.45	-5,962.16	6,755.17	6,699.29	55.88	120.893		
6,200.00	6,149.76	6,173.84	6,113.95	28.57	30.49	171.74	-808.00	-5,963.27	6,769.15	6,712.38	56.77	119.233		
6,300.00	6,248.87	6,279.61	6,219.70	29.03	30.88	171.77	-806.39	-5,963.98	6,782.81	6,725.19	57.62	117.706		
6,400.00	6,347.98	6,362.01	6,302.09	29.50	31.18	171.79	-805.13	-5,964.61	6,796.57	6,738.19	58.38	116.413		
6,475.54	6,422.84	6,426.54	6,366.61	29.85	31.42	171.81	-804.17	-5,965.26	6,807.15	6,748.19	58.97	115.442		
6,500.00	6,447.14	6,450.59	6,390.66	29.96	31.50	170.47	-803.84	-5,965.52	6,810.13	6,750.96	59.17	115.100		
6,550.00	6,497.05	6,500.03	6,440.09	30.17	31.69	149.44	-803.25	-5,966.03	6,813.31	6,753.74	59.57	114.371		
6,600.00	6,547.02	6,561.55	6,501.60	30.37	31.91	2.52	-802.67	-5,966.60	6,812.54	6,752.53	60.01	113.525		
6,650.00	6,596.75	6,615.41	6,555.46	30.55	32.11	-1.53	-802.33	-5,967.00	6,807.79	6,747.39	60.39	112.722		
6,700.00	6,645.93	6,656.38	6,596.43	30.74	32.27	-2.74	-802.01	-5,967.33	6,799.19	6,738.48	60.72	111.984		
6,750.00	6,694.25	6,696.70	6,636.74	30.93	32.42	-3.38	-801.61	-5,967.72	6,786.83	6,725.81	61.02	111.220		
6,800.00	6,741.43	6,752.20	6,692.24	31.12	32.62	-3.82	-800.96	-5,968.28	6,770.73	6,709.35	61.38	110.310		
6,850.00	6,787.16	6,807.42	6,747.45	31.32	32.83	-4.21	-800.27	-5,968.75	6,750.91	6,689.19	61.72	109.376		
6,900.00	6,831.16	6,841.17	6,781.20	31.52	32.96	-4.58	-799.77	-5,969.07	6,727.58	6,665.62	61.96	108.575		
6,950.00	6,873.17	6,875.75	6,815.77	31.74	33.09	-4.96	-799.16	-5,969.44	6,700.92	6,638.72	62.19	107.745		
7,000.00	6,912.92	6,909.69	6,849.69	31.96	33.21	-5.40	-798.46	-5,969.85	6,671.08	6,608.67	62.41	106.896		
7,050.00	6,950.18	6,944.55	6,884.55	32.21	33.34	-5.91	-797.72	-5,970.30	6,638.23	6,575.61	62.61	106.019		
7,100.00	6,984.70	6,976.95	6,916.94	32.48	33.47	-6.53	-797.02	-5,970.73	6,602.55	6,539.75	62.80	105.140		
7,150.00	7,016.29	7,000.00	6,939.98	32.77	33.55	-7.28	-796.53	-5,971.04	6,564.27	6,501.34	62.93	104.307		
7,200.00	7,044.73	7,025.66	6,965.63	33.10	33.65	-8.25	-795.99	-5,971.41	6,523.64	6,460.57	63.07	103.437		
7,250.00	7,069.86	7,043.95	6,983.92	33.46	33.72	-9.53	-795.63	-5,971.70	6,480.91	6,417.74	63.17	102.602		
7,300.00	7,091.53	7,059.87	6,999.83	33.86	33.78	-11.27	-795.33	-5,971.96	6,436.32	6,373.08	63.25	101.766		
7,350.00	7,109.59	7,073.30	7,013.25	34.30	33.83	-13.78	-795.08	-5,972.20	6,390.15	6,326.84	63.31	100.933		
7,400.00	7,123.94	7,084.14	7,024.10	34.78	33.87	-17.68	-794.89	-5,972.40	6,342.67	6,279.31	63.36	100.104		
7,450.00	7,134.49	7,092.32	7,032.27	35.29	33.90	-24.40	-794.76	-5,972.55	6,294.17	6,230.77	63.40	99.279		
7,500.00	7,141.18	7,100.00	7,039.95	35.84	33.93	-37.99	-794.63	-5,972.70	6,244.94	6,181.50	63.43	98.446		
7,550.00	7,143.95	7,100.00	7,039.95	36.42	33.93	-69.08	-794.63	-5,972.70	6,195.28	6,131.83	63.44	97.654		
7,567.79	7,144.00	7,100.00	7,039.95	36.63	33.93	-86.19	-794.63	-5,972.70	6,177.56	6,114.11	63.44	97.369		
7,600.00	7,143.62	7,101.01	7,040.96	37.03	33.94	-86.29	-794.61	-5,972.72	6,145.48	6,082.02	63.46	96.847		
7,700.00	7,142.46	7,101.61	7,041.56	38.38	33.94	-86.35	-794.60	-5,972.73	6,045.88	5,982.40	63.48	95.240		
7,800.00	7,141.29	7,102.22	7,042.16	39.88	33.94	-86.42	-794.59	-5,972.74	5,946.30	5,882.79	63.51	93.628		
7,900.00	7,140.13	7,102.83	7,042.77	41.53	33.94	-86.48	-794.58	-5,972.75	5,846.73	5,783.19	63.54	92.011		
8,000.00	7,138.97	7,103.44	7,043.38	43.30	33.95	-86.54	-794.57	-5,972.76	5,747.18	5,683.60	63.58	90.388		
8,100.00	7,137.80	7,104.05	7,044.00	45.18	33.95	-86.61	-794.56	-5,972.78	5,647.65	5,584.02	63.63	88.760		
8,200.00	7,136.64	7,104.67	7,044.62	47.16	33.95	-86.67	-794.55	-5,972.79	5,548.13	5,484.45	63.68	87.126		
8,300.00	7,135.48	7,105.29	7,045.24	49.22	33.95	-86.74	-794.54	-5,972.80	5,448.62	5,384.89	63.74	85.486		
8,400.00	7,134.32	7,105.92	7,045.86	51.36	33.96	-86.80	-794.53	-5,972.81	5,349.14	5,285.34	63.80	83.840		
8,500.00	7,133.15	7,106.55	7,046.49	53.56	33.96	-86.87	-794.52	-5,972.83	5,249.68	5,185.80	63.87	82.189		
8,600.00	7,131.99	7,107.18	7,047.13	55.82	33.96	-86.93	-794.51	-5,972.84	5,150.23	5,086.28	63.95	80.532		
8,700.00	7,130.83	7,107.82	7,047.76	58.13	33.96	-87.00	-794.50	-5,972.85	5,050.81	4,986.77	64.04	78.868		
8,800.00	7,129.66	7,108.46	7,048.40	60.49	33.97	-87.07	-794.49	-5,972.86	4,951.41	4,887.27	64.14	77.198		
8,900.00	7,128.50	7,109.10	7,049.05	62.89	33.97	-87.13	-794.48	-5,972.88	4,852.04	4,787.79	64.25	75.522		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,109.75	7,049.70	65.32	33.97	-87.20	-794.47	-5,972.89	4,752.69	4,688.33	64.37	73.839		
9,100.00	7,126.17	7,110.40	7,050.35	67.79	33.97	-87.27	-794.46	-5,972.90	4,653.37	4,588.88	64.50	72.149		
9,200.00	7,125.01	7,111.06	7,051.00	70.28	33.98	-87.34	-794.45	-5,972.91	4,554.08	4,489.44	64.64	70.453		
9,300.00	7,123.85	7,111.72	7,051.66	72.80	33.98	-87.41	-794.44	-5,972.93	4,454.82	4,390.03	64.80	68.750		
9,400.00	7,122.68	7,112.38	7,052.32	75.34	33.98	-87.48	-794.43	-5,972.94	4,355.60	4,290.63	64.97	67.039		
9,500.00	7,121.52	7,113.05	7,052.99	77.91	33.98	-87.55	-794.42	-5,972.95	4,256.41	4,191.25	65.16	65.321		
9,600.00	7,120.36	7,113.72	7,053.66	80.49	33.99	-87.62	-794.41	-5,972.97	4,157.26	4,091.89	65.37	63.596		
9,700.00	7,119.19	7,114.39	7,054.34	83.09	33.99	-87.69	-794.39	-5,972.98	4,058.15	3,992.56	65.60	61.864		
9,800.00	7,118.03	7,115.07	7,055.02	85.70	33.99	-87.76	-794.38	-5,972.99	3,959.09	3,893.24	65.85	60.124		
9,900.00	7,116.87	7,115.76	7,055.70	88.33	33.99	-87.83	-794.37	-5,973.01	3,860.07	3,793.95	66.12	58.376		
10,000.00	7,115.70	7,116.44	7,056.39	90.98	34.00	-87.90	-794.36	-5,973.02	3,761.11	3,694.69	66.43	56.621		
10,100.00	7,114.54	7,117.13	7,057.08	93.63	34.00	-87.97	-794.35	-5,973.04	3,662.20	3,595.45	66.76	54.858		
10,200.00	7,113.38	7,117.83	7,057.77	96.29	34.00	-88.05	-794.34	-5,973.05	3,563.36	3,496.24	67.12	53.088		
10,300.00	7,112.21	7,118.53	7,058.47	98.97	34.00	-88.12	-794.33	-5,973.06	3,464.58	3,397.06	67.52	51.310		
10,400.00	7,111.05	7,119.23	7,059.17	101.65	34.01	-88.19	-794.32	-5,973.08	3,365.87	3,297.91	67.96	49.525		
10,500.00	7,109.89	7,119.94	7,059.88	104.34	34.01	-88.27	-794.31	-5,973.09	3,267.24	3,198.79	68.45	47.733		
10,600.00	7,108.72	7,120.65	7,060.60	107.04	34.01	-88.34	-794.29	-5,973.11	3,168.70	3,099.71	68.98	45.934		
10,700.00	7,107.56	7,121.37	7,061.31	109.75	34.01	-88.42	-794.28	-5,973.12	3,070.25	3,000.67	69.57	44.130		
10,800.00	7,106.40	7,122.09	7,062.03	112.47	34.02	-88.49	-794.27	-5,973.14	2,971.90	2,901.67	70.22	42.320		
10,900.00	7,105.24	7,122.82	7,062.76	115.19	34.02	-88.57	-794.26	-5,973.15	2,873.67	2,802.72	70.95	40.505		
11,000.00	7,104.07	7,123.55	7,063.49	117.91	34.02	-88.65	-794.25	-5,973.16	2,775.56	2,703.82	71.74	38.687		
11,100.00	7,102.91	7,124.28	7,064.22	120.64	34.03	-88.72	-794.24	-5,973.18	2,677.59	2,604.96	72.63	36.867		
11,200.00	7,101.75	7,125.02	7,064.96	123.38	34.03	-88.80	-794.22	-5,973.19	2,579.78	2,506.17	73.61	35.046		
11,300.00	7,100.58	7,125.77	7,065.71	126.12	34.03	-88.88	-794.21	-5,973.21	2,482.14	2,407.44	74.70	33.227		
11,400.00	7,099.42	7,126.52	7,066.46	128.87	34.03	-88.96	-794.20	-5,973.23	2,384.70	2,308.78	75.92	31.411		
11,500.00	7,098.26	7,127.27	7,067.21	131.62	34.04	-89.03	-794.19	-5,973.24	2,287.48	2,210.20	77.28	29.600		
11,600.00	7,097.09	7,128.03	7,067.97	134.37	34.04	-89.11	-794.18	-5,973.26	2,190.51	2,111.71	78.80	27.799		
11,700.00	7,095.93	7,128.79	7,068.73	137.13	34.04	-89.19	-794.16	-5,973.27	2,093.82	2,013.32	80.50	26.010		
11,800.00	7,094.77	7,129.56	7,069.50	139.89	34.05	-89.27	-794.15	-5,973.29	1,997.46	1,915.05	82.41	24.237		
11,900.00	7,093.60	7,130.33	7,070.27	142.65	34.05	-89.36	-794.14	-5,973.30	1,901.48	1,816.91	84.57	22.485		
12,000.00	7,092.44	7,131.11	7,071.05	145.42	34.05	-89.44	-794.13	-5,973.32	1,805.93	1,718.93	87.00	20.758		
12,100.00	7,091.28	7,131.89	7,071.83	148.19	34.05	-89.52	-794.12	-5,973.34	1,710.89	1,621.14	89.75	19.063		
12,200.00	7,090.11	7,132.68	7,072.62	150.96	34.06	-89.60	-794.10	-5,973.35	1,616.45	1,523.57	92.88	17.404		
12,300.00	7,088.95	7,133.47	7,073.41	153.74	34.06	-89.68	-794.09	-5,973.37	1,522.71	1,426.28	96.44	15.790		
12,400.00	7,087.79	7,134.27	7,074.21	156.52	34.06	-89.77	-794.08	-5,973.38	1,429.83	1,329.32	100.51	14.226		
12,500.00	7,086.62	7,135.07	7,075.01	159.30	34.07	-89.85	-794.07	-5,973.40	1,337.97	1,232.79	105.18	12.721		
12,600.00	7,085.46	7,135.88	7,075.82	162.08	34.07	-89.94	-794.05	-5,973.42	1,247.36	1,136.81	110.55	11.283		
12,700.00	7,084.30	7,136.69	7,076.63	164.86	34.07	-90.02	-794.04	-5,973.43	1,158.30	1,041.54	116.76	9.921		
12,800.00	7,083.13	7,137.51	7,077.45	167.65	34.08	-90.11	-794.03	-5,973.45	1,071.17	947.23	123.94	8.643		
12,900.00	7,081.97	7,138.34	7,078.27	170.44	34.08	-90.19	-794.01	-5,973.47	986.49	854.22	132.27	7.458		
13,000.00	7,080.81	7,139.17	7,079.10	173.23	34.08	-90.28	-794.00	-5,973.49	904.93	763.04	141.89	6.378		
13,100.00	7,079.64	7,140.00	7,079.94	176.02	34.09	-90.37	-793.99	-5,973.50	827.43	674.47	152.96	5.409		
13,200.00	7,078.48	7,140.84	7,080.78	178.81	34.09	-90.46	-793.98	-5,973.52	755.24	589.74	165.50	4.563		
13,300.00	7,077.32	7,141.69	7,081.62	181.61	34.09	-90.55	-793.96	-5,973.54	690.02	510.70	179.32	3.848		
13,400.00	7,076.16	7,142.54	7,082.47	184.40	34.10	-90.64	-793.95	-5,973.56	633.93	440.14	193.79	3.271		
13,500.00	7,074.99	7,143.40	7,083.33	187.20	34.10	-90.73	-793.94	-5,973.57	589.58	381.96	207.63	2.840		
13,600.00	7,073.83	7,144.26	7,084.20	190.00	34.10	-90.82	-793.92	-5,973.59	559.77	340.91	218.86	2.558		
13,700.00	7,072.67	7,145.13	7,085.06	192.80	34.10	-90.91	-793.91	-5,973.61	546.88	321.54	225.34	2.427		
13,721.33	7,072.42	7,145.32	7,085.25	193.40	34.11	-90.93	-793.91	-5,973.61	546.47	320.51	225.96	2.418 CC, ES, SF		
13,800.00	7,071.50	7,146.01	7,085.94	195.60	34.11	-91.00	-793.90	-5,973.63	552.10	326.34	225.76	2.446		
13,900.00	7,070.34	7,146.89	7,086.82	198.41	34.11	-91.09	-793.88	-5,973.65	574.93	354.49	220.45	2.608		
14,000.00	7,069.18	7,147.77	7,087.71	201.21	34.12	-91.18	-793.87	-5,973.67	613.41	402.32	211.10	2.906		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 #6-22D - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,068.01	7,148.67	7,088.60	204.02	34.12	-91.28	-793.85	-5,973.68	664.84	465.09	199.75	3.328		
14,200.00	7,066.85	7,149.57	7,089.50	206.82	34.12	-91.37	-793.84	-5,973.70	726.45	538.44	188.01	3.864		
14,300.00	7,065.69	7,150.47	7,090.40	209.63	34.13	-91.47	-793.83	-5,973.72	795.90	619.07	176.84	4.501		
14,400.00	7,064.52	7,151.38	7,091.32	212.44	34.13	-91.56	-793.81	-5,973.74	871.31	704.65	166.66	5.228		
14,500.00	7,063.36	7,152.30	7,092.23	215.25	34.13	-91.66	-793.80	-5,973.76	951.27	793.65	157.62	6.035		
14,600.00	7,062.20	7,153.23	7,093.16	218.06	34.14	-91.76	-793.78	-5,973.78	1,034.71	885.04	149.67	6.913		
14,700.00	7,061.03	7,154.16	7,094.09	220.87	34.14	-91.85	-793.77	-5,973.80	1,120.87	978.15	142.72	7.853		
14,800.00	7,059.87	7,155.10	7,095.02	223.68	34.14	-91.95	-793.76	-5,973.82	1,209.16	1,072.51	136.65	8.849		
14,900.00	7,058.71	7,156.04	7,095.97	226.49	34.15	-92.05	-793.74	-5,973.84	1,299.15	1,167.81	131.33	9.892		
15,000.00	7,057.54	7,156.99	7,096.92	229.30	34.15	-92.15	-793.73	-5,973.86	1,390.50	1,263.84	126.67	10.978		
15,100.00	7,056.38	7,157.95	7,097.88	232.12	34.15	-92.25	-793.71	-5,973.88	1,482.97	1,360.42	122.55	12.101		
15,200.00	7,055.22	7,158.91	7,098.84	234.93	34.16	-92.35	-793.70	-5,973.90	1,576.36	1,457.45	118.91	13.256		
15,300.00	7,054.05	7,159.88	7,099.81	237.75	34.16	-92.45	-793.68	-5,973.92	1,670.52	1,554.84	115.68	14.441		
15,400.00	7,052.89	7,160.86	7,100.79	240.56	34.16	-92.56	-793.67	-5,973.94	1,765.31	1,652.52	112.80	15.650		
15,500.00	7,051.73	7,161.85	7,101.77	243.38	34.17	-92.66	-793.65	-5,973.96	1,860.66	1,750.44	110.22	16.882		
15,600.00	7,050.56	7,162.84	7,102.76	246.20	34.17	-92.76	-793.64	-5,973.99	1,956.46	1,848.56	107.90	18.132		
15,648.52	7,050.00	7,163.32	7,103.25	247.57	34.17	-92.81	-793.63	-5,974.00	2,003.10	1,896.24	106.86	18.745		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-103.77	-1,335.65	-5,450.59	5,611.85					
100.00	100.00	79.36	79.36	3.28	3.28	-103.77	-1,335.49	-5,450.81	5,612.09	5,605.52	6.57	854.293		
200.00	200.00	172.26	172.26	3.34	3.32	-103.76	-1,335.00	-5,451.47	5,612.65	5,605.99	6.66	842.831		
300.00	300.00	289.57	289.56	3.44	3.44	-103.75	-1,334.00	-5,452.28	5,613.13	5,606.24	6.88	815.463		
400.00	399.98	415.21	415.19	3.60	3.64	164.77	-1,332.19	-5,452.79	5,614.86	5,607.62	7.24	775.781		
500.00	499.84	515.14	515.10	3.80	3.84	164.77	-1,330.35	-5,453.07	5,619.75	5,612.11	7.64	735.323		
600.00	599.45	616.33	616.26	4.04	4.09	164.78	-1,328.29	-5,453.39	5,627.99	5,619.86	8.13	692.503		
682.50	681.36	719.48	719.39	4.26	4.37	164.79	-1,325.87	-5,453.58	5,637.15	5,628.52	8.63	653.004		
700.00	698.71	745.42	745.31	4.32	4.44	164.80	-1,325.18	-5,453.57	5,639.28	5,630.52	8.76	643.767		
800.00	797.82	865.27	865.11	4.62	4.81	164.88	-1,321.46	-5,453.24	5,651.13	5,641.71	9.42	599.727		
900.00	896.93	900.00	899.82	4.95	4.92	164.90	-1,320.31	-5,453.12	5,663.26	5,653.41	9.85	574.712		
1,000.00	996.04	959.32	959.12	5.30	5.12	164.94	-1,318.95	-5,453.32	5,676.17	5,665.78	10.38	546.623		
1,100.00	1,095.15	1,000.00	999.80	5.67	5.25	164.96	-1,318.71	-5,453.96	5,690.32	5,679.45	10.87	523.435		
1,200.00	1,194.26	1,035.15	1,034.94	6.05	5.37	164.97	-1,318.99	-5,454.77	5,705.53	5,694.18	11.35	502.560		
1,300.00	1,293.37	1,100.00	1,099.73	6.45	5.59	164.98	-1,320.81	-5,456.79	5,721.86	5,709.92	11.95	478.886		
1,400.00	1,392.48	1,131.40	1,131.08	6.85	5.71	164.98	-1,322.14	-5,457.95	5,738.90	5,726.46	12.44	461.368		
1,500.00	1,491.59	1,200.00	1,199.55	7.26	5.96	164.98	-1,325.37	-5,460.59	5,756.56	5,743.49	13.07	440.329		
1,600.00	1,590.70	1,257.18	1,256.58	7.68	6.19	164.97	-1,328.72	-5,462.99	5,774.84	5,761.16	13.68	422.146		
1,700.00	1,689.81	1,313.89	1,313.07	8.10	6.42	164.95	-1,332.99	-5,465.63	5,793.89	5,779.60	14.29	405.375		
1,800.00	1,788.92	1,390.12	1,388.89	8.53	6.74	164.92	-1,339.93	-5,469.28	5,813.45	5,798.45	15.00	387.528		
1,900.00	1,888.03	1,432.38	1,430.87	8.96	6.94	164.90	-1,344.32	-5,471.43	5,833.62	5,818.05	15.58	374.536		
2,000.00	1,987.14	1,469.42	1,467.61	9.39	7.11	164.88	-1,348.46	-5,473.65	5,854.81	5,838.68	16.13	362.999		
2,100.00	2,086.25	1,500.00	1,497.90	9.83	7.25	164.86	-1,352.08	-5,475.73	5,877.02	5,860.37	16.65	352.912		
2,200.00	2,185.36	1,534.52	1,532.05	10.27	7.42	164.83	-1,356.41	-5,478.40	5,900.31	5,883.10	17.20	343.038		
2,300.00	2,284.47	1,563.82	1,560.97	10.71	7.57	164.81	-1,360.29	-5,480.99	5,924.71	5,906.99	17.72	334.350		
2,400.00	2,383.58	1,600.00	1,596.61	11.15	7.76	164.78	-1,365.36	-5,484.59	5,950.23	5,931.96	18.27	325.665		
2,500.00	2,482.69	1,600.00	1,596.61	11.60	7.76	164.78	-1,365.36	-5,484.59	5,976.96	5,958.32	18.64	320.627		
2,600.00	2,581.80	1,653.87	1,649.50	12.05	8.08	164.73	-1,373.62	-5,490.69	6,004.47	5,985.18	19.29	311.248		
2,700.00	2,680.91	1,700.00	1,694.57	12.50	8.36	164.69	-1,381.47	-5,496.54	6,033.25	6,013.35	19.90	303.193		
2,800.00	2,780.02	1,736.71	1,730.34	12.95	8.60	164.65	-1,388.13	-5,501.43	6,062.84	6,042.37	20.47	296.214		
2,900.00	2,879.13	1,800.00	1,791.90	13.40	9.02	164.57	-1,400.22	-5,509.81	6,092.92	6,071.73	21.19	287.560		
3,000.00	2,978.24	1,869.13	1,859.01	13.85	9.49	164.49	-1,413.89	-5,519.18	6,123.46	6,101.50	21.95	278.915		
3,100.00	3,077.35	1,900.00	1,888.95	14.30	9.71	164.45	-1,420.02	-5,523.51	6,154.68	6,132.19	22.49	273.694		
3,200.00	3,176.46	1,950.26	1,937.59	14.76	10.08	164.39	-1,430.30	-5,530.92	6,186.67	6,163.53	23.15	267.287		
3,300.00	3,275.57	2,000.00	1,985.51	15.21	10.45	164.32	-1,441.04	-5,538.81	6,219.71	6,195.91	23.80	261.342		
3,400.00	3,374.68	2,060.64	2,043.80	15.67	10.92	164.24	-1,454.48	-5,548.72	6,253.39	6,228.86	24.53	254.882		
3,500.00	3,473.79	2,189.30	2,167.65	16.12	11.92	164.07	-1,482.51	-5,569.43	6,286.90	6,261.18	25.72	244.462		
3,600.00	3,572.90	2,269.37	2,244.89	16.58	12.52	163.97	-1,499.24	-5,582.32	6,320.20	6,293.63	26.57	237.863		
3,700.00	3,672.01	2,362.29	2,334.45	17.04	13.23	163.85	-1,518.87	-5,597.42	6,353.72	6,326.21	27.51	230.937		
3,800.00	3,771.12	2,464.81	2,433.24	17.50	14.01	163.73	-1,540.78	-5,613.87	6,387.14	6,358.61	28.52	223.920		
3,900.00	3,870.23	2,556.24	2,521.33	17.95	14.71	163.61	-1,560.45	-5,628.43	6,420.51	6,391.04	29.47	217.881		
4,000.00	3,969.34	4,000.00	2,696.90	18.41	25.38	163.37	-1,601.26	-5,656.38	6,453.86	6,415.30	38.56	167.390		
4,100.00	4,068.45	2,876.52	2,829.98	18.87	17.08	163.19	-1,631.77	-5,675.56	6,485.55	6,453.23	32.32	200.697		
4,200.00	4,167.56	2,950.06	2,900.96	19.33	17.60	163.09	-1,648.12	-5,685.72	6,517.25	6,484.11	33.14	196.651		
4,300.00	4,266.67	3,036.09	2,983.99	19.79	18.21	162.99	-1,667.01	-5,697.93	6,549.25	6,515.21	34.05	192.362		
4,400.00	4,365.78	3,191.84	3,134.84	20.25	19.27	162.81	-1,698.77	-5,720.16	6,580.99	6,545.59	35.40	185.919		
4,500.00	4,464.89	3,284.08	3,224.19	20.71	19.89	162.71	-1,717.92	-5,732.67	6,612.12	6,575.79	36.33	182.002		
4,600.00	4,564.00	3,428.92	3,364.53	21.17	20.85	162.54	-1,748.51	-5,751.33	6,642.65	6,605.04	37.61	176.614		
4,700.00	4,663.11	3,476.39	3,410.53	21.63	21.16	162.48	-1,758.48	-5,757.56	6,673.49	6,635.24	38.25	174.481		
4,800.00	4,762.22	3,560.39	3,491.83	22.09	21.73	162.39	-1,776.12	-5,769.08	6,704.89	6,665.76	39.13	171.368		
4,900.00	4,861.33	3,628.06	3,557.36	22.56	22.19	162.31	-1,790.27	-5,778.34	6,736.31	6,696.41	39.90	168.821		
5,000.00	4,960.44	3,669.51	3,597.33	23.02	22.49	162.26	-1,799.59	-5,784.13	6,768.43	6,727.93	40.50	167.109		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	3,714.86	3,640.87	23.48	22.82	162.20	-1,810.53	-5,790.60	6,801.29	6,760.16	41.13	165.347		
5,200.00	5,158.66	3,772.29	3,695.87	23.94	23.27	162.12	-1,824.74	-5,799.01	6,834.73	6,792.87	41.86	163.259		
5,300.00	5,257.77	3,836.19	3,757.00	24.40	23.78	162.03	-1,840.68	-5,808.65	6,868.67	6,826.03	42.64	161.076		
5,400.00	5,356.88	3,925.68	3,842.66	24.87	24.49	161.91	-1,862.47	-5,822.64	6,902.96	6,859.35	43.61	158.288		
5,500.00	5,455.99	4,186.96	4,094.63	25.33	26.40	161.62	-1,919.08	-5,862.17	6,935.97	6,890.22	45.76	151.579		
5,600.00	5,555.10	4,287.53	4,192.07	25.79	27.07	161.53	-1,939.41	-5,876.54	6,967.84	6,921.10	46.74	149.079		
5,700.00	5,654.21	4,373.75	4,275.61	26.25	27.66	161.45	-1,956.75	-5,888.93	6,999.78	6,952.16	47.63	146.977		
5,800.00	5,753.32	4,440.20	4,339.89	26.72	28.12	161.38	-1,970.71	-5,898.43	7,031.94	6,983.56	48.38	145.339		
5,900.00	5,852.43	4,500.00	4,397.60	27.18	28.54	161.31	-1,983.68	-5,907.16	7,064.59	7,015.49	49.10	143.891		
6,000.00	5,951.54	4,592.99	4,487.26	27.64	29.21	161.21	-2,004.21	-5,920.85	7,097.49	7,047.44	50.05	141.797		
6,100.00	6,050.65	4,643.09	4,535.54	28.11	29.58	161.16	-2,015.28	-5,928.35	7,130.66	7,079.96	50.70	140.636		
6,200.00	6,149.76	6,181.59	6,051.04	28.57	36.91	160.67	-2,186.98	-6,056.61	7,153.29	7,094.21	59.08	121.086		
6,300.00	6,248.87	6,295.26	6,164.70	29.03	37.25	160.70	-2,188.31	-6,057.79	7,167.20	7,107.27	59.93	119.587		
6,400.00	6,347.98	6,422.72	6,292.14	29.50	37.64	160.74	-2,189.83	-6,058.62	7,180.74	7,119.89	60.84	118.025		
6,475.54	6,422.84	6,484.28	6,353.70	29.85	37.83	160.75	-2,190.48	-6,059.02	7,190.94	7,129.54	61.40	117.111		
6,500.00	6,447.14	6,507.67	6,377.08	29.96	37.90	159.46	-2,190.72	-6,059.21	7,193.83	7,132.23	61.60	116.791		
6,550.00	6,497.05	6,581.51	6,450.92	30.17	38.13	138.48	-2,191.52	-6,059.64	7,196.83	7,134.75	62.08	115.934		
6,600.00	6,547.02	6,639.89	6,509.29	30.37	38.31	-8.47	-2,192.25	-6,059.79	7,195.93	7,133.45	62.48	115.171		
6,650.00	6,596.75	6,692.80	6,562.20	30.55	38.47	-12.62	-2,193.14	-6,059.82	7,191.23	7,128.39	62.84	114.430		
6,700.00	6,645.93	6,726.57	6,595.96	30.74	38.57	-13.99	-2,193.81	-6,059.83	7,182.83	7,119.70	63.13	113.783		
6,750.00	6,694.25	6,756.88	6,626.26	30.93	38.67	-14.86	-2,194.45	-6,059.92	7,170.85	7,107.47	63.39	113.129		
6,800.00	6,741.43	6,786.52	6,655.89	31.12	38.76	-15.62	-2,195.10	-6,060.06	7,155.38	7,091.75	63.63	112.452		
6,850.00	6,787.16	6,859.19	6,728.54	31.32	38.99	-16.45	-2,196.80	-6,060.41	7,136.42	7,072.40	64.02	111.472		
6,900.00	6,831.16	6,900.00	6,767.21	31.52	39.12	-17.34	-2,197.74	-6,060.40	7,113.85	7,049.57	64.28	110.671		
6,950.00	6,873.17	6,929.63	6,798.96	31.74	39.21	-18.36	-2,198.51	-6,060.44	7,088.08	7,023.60	64.49	109.917		
7,000.00	6,912.92	6,946.78	6,816.11	31.96	39.27	-19.54	-2,198.91	-6,060.54	7,059.38	6,994.74	64.63	109.221		
7,050.00	6,950.18	6,962.97	6,832.29	32.21	39.32	-20.95	-2,199.27	-6,060.69	7,027.87	6,963.10	64.77	108.510		
7,100.00	6,984.70	7,000.00	6,869.31	32.48	39.44	-22.72	-2,200.05	-6,061.26	6,993.81	6,928.84	64.97	107.651		
7,150.00	7,016.29	7,000.00	6,869.31	32.77	39.44	-24.76	-2,200.05	-6,061.26	6,957.16	6,892.14	65.02	106.999		
7,200.00	7,044.73	7,020.08	6,889.39	33.10	39.50	-27.38	-2,200.45	-6,061.63	6,918.33	6,853.19	65.14	106.203		
7,250.00	7,069.86	7,067.51	6,936.80	33.46	39.65	-30.88	-2,201.32	-6,062.42	6,877.38	6,812.02	65.36	105.218		
7,300.00	7,091.53	7,108.25	6,977.53	33.86	39.78	-35.37	-2,201.99	-6,063.00	6,834.56	6,769.00	65.55	104.258		
7,350.00	7,109.59	7,129.40	6,998.67	34.30	39.85	-41.03	-2,202.32	-6,063.28	6,790.18	6,724.51	65.67	103.400		
7,400.00	7,123.94	7,148.32	7,017.59	34.78	39.91	-48.44	-2,202.60	-6,063.52	6,744.55	6,678.77	65.78	102.539		
7,450.00	7,134.49	7,162.41	7,031.67	35.29	39.96	-58.04	-2,202.81	-6,063.69	6,697.95	6,632.08	65.87	101.691		
7,500.00	7,141.18	7,171.59	7,040.86	35.84	39.99	-70.04	-2,202.95	-6,063.80	6,650.67	6,584.73	65.94	100.857		
7,550.00	7,143.95	7,175.85	7,045.11	36.42	40.00	-83.95	-2,203.01	-6,063.85	6,603.02	6,537.01	66.00	100.039		
7,567.79	7,144.00	7,176.17	7,045.43	36.63	40.00	-89.11	-2,203.01	-6,063.86	6,586.02	6,520.00	66.02	99.752		
7,600.00	7,143.62	7,176.19	7,045.45	37.03	40.00	-89.11	-2,203.01	-6,063.86	6,555.27	6,489.21	66.06	99.233		
7,700.00	7,142.46	7,176.24	7,045.51	38.38	40.00	-89.11	-2,203.01	-6,063.86	6,459.88	6,393.69	66.19	97.597		
7,800.00	7,141.29	7,176.30	7,045.57	39.88	40.00	-89.11	-2,203.01	-6,063.86	6,364.62	6,298.27	66.35	95.922		
7,900.00	7,140.13	7,176.36	7,045.63	41.53	40.00	-89.11	-2,203.01	-6,063.86	6,269.52	6,202.97	66.55	94.208		
8,000.00	7,138.97	7,176.42	7,045.68	43.30	40.00	-89.12	-2,203.02	-6,063.86	6,174.57	6,107.78	66.78	92.456		
8,100.00	7,137.80	7,176.47	7,045.74	45.18	40.00	-89.12	-2,203.02	-6,063.86	6,079.78	6,012.72	67.06	90.665		
8,200.00	7,136.64	7,176.53	7,045.80	47.16	40.00	-89.12	-2,203.02	-6,063.86	5,985.16	5,917.79	67.37	88.837		
8,300.00	7,135.48	7,176.59	7,045.85	49.22	40.00	-89.12	-2,203.02	-6,063.86	5,890.72	5,822.99	67.73	86.973		
8,400.00	7,134.32	7,176.64	7,045.91	51.36	40.00	-89.12	-2,203.02	-6,063.86	5,796.46	5,728.33	68.13	85.073		
8,500.00	7,133.15	7,176.70	7,045.96	53.56	40.00	-89.12	-2,203.02	-6,063.86	5,702.40	5,633.81	68.59	83.140		
8,600.00	7,131.99	7,176.75	7,046.02	55.82	40.00	-89.12	-2,203.02	-6,063.86	5,608.55	5,539.46	69.09	81.176		
8,700.00	7,130.83	7,176.81	7,046.07	58.13	40.00	-89.13	-2,203.02	-6,063.86	5,514.91	5,445.26	69.65	79.182		
8,800.00	7,129.66	7,176.86	7,046.13	60.49	40.00	-89.13	-2,203.02	-6,063.86	5,421.50	5,351.24	70.26	77.162		
8,900.00	7,128.50	7,176.91	7,046.18	62.89	40.01	-89.13	-2,203.02	-6,063.86	5,328.33	5,257.40	70.93	75.118		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
9,000.00	7,127.34	7,176.97	7,046.23	65.32	40.01	-89.13	-2,203.02	-6,063.86	5,235.41	5,163.74	71.66	73.054		
9,100.00	7,126.17	7,177.02	7,046.29	67.79	40.01	-89.13	-2,203.02	-6,063.87	5,142.76	5,070.29	72.46	70.973		
9,200.00	7,125.01	7,177.07	7,046.34	70.28	40.01	-89.13	-2,203.03	-6,063.87	5,050.38	4,977.06	73.32	68.879		
9,300.00	7,123.85	7,177.13	7,046.39	72.80	40.01	-89.14	-2,203.03	-6,063.87	4,958.30	4,884.05	74.25	66.775		
9,400.00	7,122.68	7,177.18	7,046.44	75.34	40.01	-89.14	-2,203.03	-6,063.87	4,866.54	4,791.28	75.26	64.666		
9,500.00	7,121.52	7,177.23	7,046.49	77.91	40.01	-89.14	-2,203.03	-6,063.87	4,775.10	4,698.77	76.33	62.555		
9,600.00	7,120.36	7,177.28	7,046.55	80.49	40.01	-89.14	-2,203.03	-6,063.87	4,684.02	4,606.53	77.49	60.447		
9,700.00	7,119.19	7,177.33	7,046.60	83.09	40.01	-89.14	-2,203.03	-6,063.87	4,593.31	4,514.58	78.73	58.345		
9,800.00	7,118.03	7,177.38	7,046.65	85.70	40.01	-89.14	-2,203.03	-6,063.87	4,502.99	4,422.94	80.05	56.254		
9,900.00	7,116.87	7,177.43	7,046.70	88.33	40.01	-89.14	-2,203.03	-6,063.87	4,413.09	4,331.63	81.46	54.178		
10,000.00	7,115.70	7,177.48	7,046.75	90.98	40.01	-89.15	-2,203.03	-6,063.87	4,323.63	4,240.67	82.95	52.120		
10,100.00	7,114.54	7,177.53	7,046.80	93.63	40.01	-89.15	-2,203.03	-6,063.87	4,234.64	4,150.09	84.55	50.085		
10,200.00	7,113.38	7,177.58	7,046.85	96.29	40.01	-89.15	-2,203.03	-6,063.87	4,146.15	4,059.91	86.24	48.076		
10,300.00	7,112.21	7,177.63	7,046.90	98.97	40.01	-89.15	-2,203.03	-6,063.87	4,058.20	3,970.17	88.04	46.096		
10,400.00	7,111.05	7,177.68	7,046.95	101.65	40.01	-89.15	-2,203.03	-6,063.87	3,970.82	3,880.88	89.94	44.149		
10,500.00	7,109.89	7,177.73	7,046.99	104.34	40.01	-89.15	-2,203.03	-6,063.87	3,884.05	3,792.10	91.96	42.239		
10,600.00	7,108.72	7,177.78	7,047.04	107.04	40.01	-89.15	-2,203.04	-6,063.87	3,797.93	3,703.85	94.09	40.366		
10,700.00	7,107.56	7,177.83	7,047.09	109.75	40.01	-89.16	-2,203.04	-6,063.87	3,712.51	3,616.17	96.34	38.536		
10,800.00	7,106.40	7,177.87	7,047.14	112.47	40.01	-89.16	-2,203.04	-6,063.88	3,627.83	3,529.11	98.72	36.749		
10,900.00	7,105.24	7,177.92	7,047.19	115.19	40.01	-89.16	-2,203.04	-6,063.88	3,543.95	3,442.72	101.23	35.009		
11,000.00	7,104.07	7,177.97	7,047.23	117.91	40.01	-89.16	-2,203.04	-6,063.88	3,460.92	3,357.04	103.88	33.317		
11,100.00	7,102.91	7,178.01	7,047.28	120.64	40.01	-89.16	-2,203.04	-6,063.88	3,378.82	3,272.15	106.67	31.675		
11,200.00	7,101.75	7,178.06	7,047.33	123.38	40.01	-89.16	-2,203.04	-6,063.88	3,297.70	3,188.09	109.61	30.085		
11,300.00	7,100.58	7,178.11	7,047.37	126.12	40.01	-89.16	-2,203.04	-6,063.88	3,217.65	3,104.94	112.71	28.548		
11,400.00	7,099.42	7,178.15	7,047.42	128.87	40.01	-89.17	-2,203.04	-6,063.88	3,138.74	3,022.77	115.97	27.066		
11,500.00	7,098.26	7,178.20	7,047.46	131.62	40.01	-89.17	-2,203.04	-6,063.88	3,061.06	2,941.67	119.39	25.639		
11,600.00	7,097.09	7,178.24	7,047.51	134.37	40.01	-89.17	-2,203.04	-6,063.88	2,984.72	2,861.73	122.99	24.269		
11,700.00	7,095.93	7,178.29	7,047.56	137.13	40.01	-89.17	-2,203.04	-6,063.88	2,909.80	2,783.05	126.76	22.956		
11,800.00	7,094.77	7,178.34	7,047.60	139.89	40.01	-89.17	-2,203.04	-6,063.88	2,836.44	2,705.73	130.71	21.700		
11,900.00	7,093.60	7,178.38	7,047.64	142.65	40.01	-89.17	-2,203.04	-6,063.88	2,764.74	2,629.90	134.84	20.503		
12,000.00	7,092.44	7,178.42	7,047.69	145.42	40.01	-89.17	-2,203.04	-6,063.88	2,694.85	2,555.69	139.16	19.364		
12,100.00	7,091.28	7,178.47	7,047.73	148.19	40.01	-89.18	-2,203.05	-6,063.88	2,626.91	2,483.24	143.67	18.284		
12,200.00	7,090.11	7,178.51	7,047.78	150.96	40.01	-89.18	-2,203.05	-6,063.88	2,561.07	2,412.71	148.36	17.263		
12,300.00	7,088.95	7,178.56	7,047.82	153.74	40.01	-89.18	-2,203.05	-6,063.88	2,497.50	2,344.27	153.22	16.300		
12,400.00	7,087.79	7,178.60	7,047.86	156.52	40.01	-89.18	-2,203.05	-6,063.88	2,436.37	2,278.12	158.26	15.395		
12,500.00	7,086.62	7,178.64	7,047.91	159.30	40.01	-89.18	-2,203.05	-6,063.88	2,377.89	2,214.44	163.45	14.548		
12,600.00	7,085.46	7,178.69	7,047.95	162.08	40.01	-89.18	-2,203.05	-6,063.88	2,322.23	2,153.45	168.78	13.759		
12,700.00	7,084.30	7,178.73	7,047.99	164.86	40.01	-89.18	-2,203.05	-6,063.89	2,269.62	2,095.40	174.23	13.027		
12,800.00	7,083.13	7,178.77	7,048.04	167.65	40.01	-89.18	-2,203.05	-6,063.89	2,220.27	2,040.51	179.76	12.351		
12,900.00	7,081.97	7,178.81	7,048.08	170.44	40.01	-89.19	-2,203.05	-6,063.89	2,174.40	1,989.05	185.36	11.731		
13,000.00	7,080.81	7,178.85	7,048.12	173.23	40.01	-89.19	-2,203.05	-6,063.89	2,132.24	1,941.28	190.97	11.166		
13,100.00	7,079.64	7,178.90	7,048.16	176.02	40.01	-89.19	-2,203.05	-6,063.89	2,094.01	1,897.47	196.54	10.654		
13,200.00	7,078.48	7,178.94	7,048.20	178.81	40.01	-89.19	-2,203.05	-6,063.89	2,059.93	1,857.89	202.04	10.196		
13,300.00	7,077.32	7,178.98	7,048.24	181.61	40.01	-89.19	-2,203.05	-6,063.89	2,030.20	1,822.82	207.39	9.789		
13,400.00	7,076.16	7,179.02	7,048.29	184.40	40.01	-89.19	-2,203.05	-6,063.89	2,005.03	1,792.50	212.54	9.434		
13,500.00	7,074.99	7,179.06	7,048.33	187.20	40.01	-89.19	-2,203.05	-6,063.89	1,984.58	1,767.16	217.42	9.128		
13,600.00	7,073.83	7,179.10	7,048.37	190.00	40.01	-89.19	-2,203.05	-6,063.89	1,969.01	1,747.03	221.98	8.870		
13,700.00	7,072.67	7,179.14	7,048.41	192.80	40.01	-89.20	-2,203.05	-6,063.89	1,958.42	1,732.26	226.16	8.659		
13,800.00	7,071.50	7,179.18	7,048.45	195.60	40.01	-89.20	-2,203.06	-6,063.89	1,952.91	1,723.00	229.91	8.494		
13,857.88	7,070.83	7,179.20	7,048.47	197.23	40.01	-89.20	-2,203.06	-6,063.89	1,952.05	1,720.19	231.86	8.419 CC		
13,900.00	7,070.34	7,179.22	7,048.49	198.41	40.01	-89.20	-2,203.06	-6,063.89	1,952.50	1,719.32	233.18	8.373 ES		
14,000.00	7,069.18	7,179.26	7,048.53	201.21	40.01	-89.20	-2,203.06	-6,063.89	1,957.22	1,721.27	235.95	8.295		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 #6-23D - 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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	7,068.01	7,179.30	7,048.57	204.02	40.01	-89.20	-2,203.06	-6,063.89	1,967.01	1,728.81	238.20	8.258 SF	
14,200.00	7,066.85	7,179.34	7,048.60	206.82	40.01	-89.20	-2,203.06	-6,063.89	1,981.80	1,741.89	239.91	8.260	
14,300.00	7,065.69	7,179.38	7,048.64	209.63	40.01	-89.20	-2,203.06	-6,063.89	2,001.49	1,760.38	241.11	8.301	
14,400.00	7,064.52	7,179.42	7,048.68	212.44	40.01	-89.20	-2,203.06	-6,063.89	2,025.93	1,784.12	241.81	8.378	
14,500.00	7,063.36	7,179.46	7,048.72	215.25	40.01	-89.20	-2,203.06	-6,063.89	2,054.95	1,812.92	242.03	8.490	
14,600.00	7,062.20	7,179.49	7,048.76	218.06	40.01	-89.21	-2,203.06	-6,063.89	2,088.36	1,846.55	241.81	8.636	
14,700.00	7,061.03	7,179.53	7,048.80	220.87	40.01	-89.21	-2,203.06	-6,063.89	2,125.95	1,884.75	241.20	8.814	
14,800.00	7,059.87	7,179.57	7,048.84	223.68	40.01	-89.21	-2,203.06	-6,063.89	2,167.51	1,927.28	240.22	9.023	
14,900.00	7,058.71	7,179.61	7,048.87	226.49	40.01	-89.21	-2,203.06	-6,063.90	2,212.81	1,973.86	238.94	9.261	
15,000.00	7,057.54	7,179.65	7,048.91	229.30	40.01	-89.21	-2,203.06	-6,063.90	2,261.62	2,024.23	237.39	9.527	
15,100.00	7,056.38	7,179.68	7,048.95	232.12	40.01	-89.21	-2,203.06	-6,063.90	2,313.73	2,078.11	235.62	9.820	
15,200.00	7,055.22	7,179.72	7,048.99	234.93	40.01	-89.21	-2,203.06	-6,063.90	2,368.92	2,135.25	233.67	10.138	
15,300.00	7,054.05	7,179.76	7,049.02	237.75	40.01	-89.21	-2,203.06	-6,063.90	2,426.97	2,195.40	231.58	10.480	
15,400.00	7,052.89	7,179.79	7,049.06	240.56	40.01	-89.21	-2,203.06	-6,063.90	2,487.69	2,258.33	229.37	10.846	
15,500.00	7,051.73	7,179.83	7,049.10	243.38	40.01	-89.22	-2,203.06	-6,063.90	2,550.89	2,323.81	227.08	11.233	
15,600.00	7,050.56	7,179.87	7,049.13	246.20	40.01	-89.22	-2,203.07	-6,063.90	2,616.39	2,391.65	224.73	11.642	
15,648.52	7,050.00	7,179.88	7,049.15	247.57	40.01	-89.22	-2,203.07	-6,063.90	2,648.94	2,425.36	223.58	11.848	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	10.29	10.29	3.28	3.28	-103.88	-1,346.58	-5,450.59	5,614.46					
100.00	100.00	154.37	154.37	3.28	3.31	-103.88	-1,346.49	-5,449.50	5,613.61	5,607.01	6.60	851.105		
200.00	200.00	242.63	242.62	3.34	3.38	-103.88	-1,346.46	-5,448.81	5,612.84	5,606.12	6.72	835.255		
300.00	300.00	331.77	331.76	3.44	3.50	-103.88	-1,346.47	-5,448.23	5,612.22	5,605.28	6.94	808.574		
313.39	313.39	342.68	342.67	3.46	3.51	164.62	-1,346.47	-5,448.18	5,612.19	5,605.21	6.98	804.571		
400.00	399.98	415.83	415.82	3.60	3.64	164.61	-1,346.49	-5,447.94	5,613.57	5,606.33	7.24	775.759		
500.00	499.84	515.89	515.88	3.80	3.84	164.60	-1,346.41	-5,447.77	5,618.42	5,610.79	7.64	735.426		
600.00	599.45	625.07	625.06	4.04	4.10	164.59	-1,346.22	-5,447.41	5,626.47	5,618.33	8.14	690.994		
682.50	681.36	695.00	694.99	4.26	4.29	164.56	-1,346.16	-5,447.23	5,635.70	5,627.14	8.56	658.752		
700.00	698.71	710.26	710.25	4.32	4.33	164.57	-1,346.16	-5,447.20	5,637.92	5,629.27	8.65	651.802		
800.00	797.82	798.81	798.80	4.62	4.59	164.60	-1,346.19	-5,447.16	5,650.72	5,641.52	9.20	614.091		
900.00	896.93	865.66	865.65	4.95	4.79	164.62	-1,346.52	-5,447.31	5,663.89	5,654.17	9.72	582.427		
1,000.00	996.04	900.00	899.98	5.30	4.90	164.63	-1,346.91	-5,447.49	5,677.78	5,667.60	10.17	558.263		
1,100.00	1,095.15	955.36	955.33	5.67	5.08	164.64	-1,348.30	-5,448.13	5,692.51	5,681.81	10.70	531.784		
1,200.00	1,194.26	1,000.00	999.90	6.05	5.24	164.63	-1,350.34	-5,449.09	5,708.40	5,697.19	11.22	508.873		
1,300.00	1,293.37	1,035.54	1,035.36	6.45	5.37	164.63	-1,352.53	-5,450.09	5,725.30	5,713.58	11.72	488.520		
1,400.00	1,392.48	1,100.00	1,099.57	6.85	5.62	164.60	-1,357.73	-5,452.31	5,743.21	5,730.87	12.34	465.455		
1,500.00	1,491.59	1,125.16	1,124.60	7.26	5.73	164.59	-1,360.19	-5,453.31	5,761.89	5,749.06	12.83	449.245		
1,600.00	1,590.70	1,171.22	1,170.31	7.68	5.94	164.56	-1,365.34	-5,455.31	5,781.54	5,768.13	13.41	431.277		
1,700.00	1,689.81	1,221.06	1,219.68	8.10	6.17	164.52	-1,371.83	-5,457.71	5,802.05	5,788.04	14.01	413.996		
1,800.00	1,788.92	1,277.47	1,275.41	8.53	6.46	164.47	-1,380.03	-5,460.62	5,823.31	5,808.63	14.67	396.913		
1,900.00	1,888.03	1,325.16	1,322.41	8.96	6.71	164.42	-1,387.64	-5,463.26	5,845.30	5,830.00	15.30	382.112		
2,000.00	1,987.14	1,366.94	1,363.49	9.39	6.95	164.37	-1,394.80	-5,465.85	5,868.20	5,852.30	15.90	369.042		
2,100.00	2,086.25	1,417.68	1,413.24	9.83	7.24	164.30	-1,404.13	-5,469.34	5,892.02	5,875.46	16.56	355.808		
2,200.00	2,185.36	1,500.00	1,493.75	10.27	7.74	164.19	-1,420.37	-5,474.99	5,916.26	5,898.85	17.41	339.816		
2,300.00	2,284.47	1,558.28	1,550.58	10.71	8.10	164.10	-1,432.65	-5,479.05	5,940.95	5,922.81	18.14	327.518		
2,400.00	2,383.58	1,623.00	1,613.50	11.15	8.52	164.00	-1,447.03	-5,483.81	5,966.31	5,947.40	18.92	315.399		
2,500.00	2,482.69	1,700.00	1,688.06	11.60	9.04	163.86	-1,465.45	-5,489.26	5,991.95	5,972.16	19.79	302.792		
2,600.00	2,581.80	1,756.59	1,742.59	12.05	9.45	163.75	-1,480.06	-5,493.23	6,018.11	5,997.55	20.56	292.746		
2,700.00	2,680.91	1,800.00	1,784.21	12.50	9.77	163.66	-1,491.96	-5,496.43	6,045.08	6,023.85	21.23	284.713		
2,800.00	2,780.02	1,849.58	1,831.54	12.95	10.16	163.55	-1,506.22	-5,500.28	6,072.85	6,050.88	21.97	276.354		
2,900.00	2,879.13	1,900.00	1,879.44	13.40	10.56	163.44	-1,521.38	-5,504.46	6,101.45	6,078.73	22.72	268.518		
3,000.00	2,978.24	1,943.05	1,920.16	13.85	10.94	163.33	-1,534.87	-5,508.20	6,130.83	6,107.40	23.43	261.624		
3,100.00	3,077.35	2,000.00	1,973.72	14.30	11.44	163.19	-1,553.51	-5,513.32	6,160.98	6,136.72	24.26	253.970		
3,200.00	3,176.46	2,049.78	2,020.28	14.76	11.91	163.06	-1,570.51	-5,517.88	6,191.80	6,166.75	25.05	247.181		
3,300.00	3,275.57	2,100.00	2,067.02	15.21	12.38	162.92	-1,588.29	-5,522.50	6,223.22	6,197.37	25.84	240.819		
3,400.00	3,374.68	2,155.66	2,118.58	15.67	12.94	162.77	-1,608.61	-5,527.76	6,255.30	6,228.59	26.71	234.224		
3,500.00	3,473.79	2,200.00	2,159.48	16.12	13.39	162.64	-1,625.15	-5,532.15	6,288.13	6,260.67	27.46	228.998		
3,600.00	3,572.90	2,246.68	2,202.37	16.58	13.88	162.51	-1,642.91	-5,536.99	6,321.72	6,293.47	28.25	223.783		
3,700.00	3,672.01	2,300.00	2,251.16	17.04	14.45	162.35	-1,663.62	-5,542.83	6,356.11	6,327.01	29.10	218.403		
3,800.00	3,771.12	2,335.11	2,283.16	17.50	14.85	162.24	-1,677.49	-5,546.85	6,391.24	6,361.46	29.78	214.597		
3,900.00	3,870.23	2,380.48	2,324.38	17.95	15.37	162.11	-1,695.68	-5,552.22	6,427.12	6,396.55	30.57	210.267		
4,000.00	3,969.34	2,434.42	2,373.18	18.41	16.01	161.94	-1,717.69	-5,558.83	6,463.69	6,432.24	31.45	205.501		
4,100.00	4,068.45	2,500.00	2,432.22	18.87	16.79	161.74	-1,745.07	-5,566.92	6,500.80	6,468.33	32.48	200.176		
4,200.00	4,167.56	2,538.00	2,466.24	19.33	17.28	161.62	-1,761.33	-5,571.66	6,538.52	6,505.31	33.21	196.878		
4,300.00	4,266.67	2,600.00	2,521.31	19.79	18.09	161.41	-1,788.68	-5,579.61	6,577.07	6,542.84	34.23	192.158		
4,400.00	4,365.78	2,626.61	2,544.80	20.25	18.45	161.32	-1,800.67	-5,583.09	6,616.21	6,581.37	34.83	189.938		
4,500.00	4,464.89	2,680.58	2,592.32	20.71	19.20	161.14	-1,825.25	-5,590.24	6,656.01	6,620.23	35.78	186.024		
4,600.00	4,564.00	2,780.76	2,680.42	21.17	20.59	160.81	-1,870.99	-5,603.71	6,696.20	6,658.89	37.31	179.466		
4,700.00	4,663.11	4,700.00	2,787.66	21.63	46.20	160.42	-1,924.33	-5,619.94	6,735.89	6,677.19	58.70	114.748		
4,800.00	4,762.22	2,961.37	2,840.95	22.09	22.98	160.24	-1,950.03	-5,628.20	6,775.77	6,735.75	40.02	169.317		
4,900.00	4,861.33	3,024.86	2,897.48	22.56	23.81	160.05	-1,977.43	-5,637.42	6,816.32	6,775.30	41.02	166.162		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,000.00	4,960.44	3,322.11	3,166.24	23.02	27.38	159.25	-2,097.44	-5,678.71	6,854.91	6,810.33	44.58	153.768		
5,100.00	5,059.55	5,100.00	3,522.07	23.48	43.94	158.33	-2,241.12	-5,722.46	6,889.82	6,830.10	59.72	115.371		
5,200.00	5,158.66	3,732.55	3,544.28	23.94	31.48	158.27	-2,250.32	-5,724.78	6,924.61	6,875.51	49.10	141.022		
5,300.00	5,257.77	3,759.38	3,568.84	24.40	31.75	158.20	-2,260.75	-5,727.50	6,960.33	6,910.69	49.63	140.234		
5,400.00	5,356.88	3,800.00	3,605.76	24.87	32.16	158.09	-2,277.12	-5,731.86	6,997.00	6,946.70	50.30	139.118		
5,500.00	5,455.99	3,820.99	3,624.74	25.33	32.40	158.04	-2,285.77	-5,734.20	7,034.44	6,983.67	50.77	138.548		
5,600.00	5,555.10	3,866.36	3,665.68	25.79	32.92	157.92	-2,304.61	-5,739.41	7,072.62	7,021.11	51.51	137.301		
5,700.00	5,654.21	3,915.45	3,709.86	26.25	33.49	157.79	-2,325.19	-5,745.28	7,111.43	7,059.14	52.29	135.995		
5,800.00	5,753.32	3,976.07	3,764.30	26.72	34.22	157.62	-2,350.80	-5,752.70	7,150.74	7,097.53	53.21	134.389		
5,900.00	5,852.43	5,900.00	3,936.89	27.18	55.61	157.13	-2,430.20	-5,775.98	7,189.89	7,118.44	71.45	100.623		
6,000.00	5,951.54	4,257.29	4,018.92	27.64	37.42	156.92	-2,465.01	-5,787.03	7,228.06	7,171.34	56.72	127.431		
6,100.00	6,050.65	4,300.00	4,058.00	28.11	37.87	156.83	-2,481.30	-5,792.68	7,266.82	7,209.44	57.38	126.636		
6,200.00	6,149.76	4,349.10	4,102.84	28.57	38.42	156.72	-2,500.11	-5,799.43	7,306.18	7,248.06	58.12	125.708		
6,300.00	6,248.87	4,400.00	4,149.23	29.03	39.00	156.61	-2,519.79	-5,806.66	7,346.12	7,287.25	58.87	124.781		
6,400.00	6,347.98	4,507.40	4,246.78	29.50	40.24	156.36	-2,562.14	-5,821.64	7,386.26	7,326.01	60.25	122.598		
6,475.54	6,422.84	4,570.23	4,303.64	29.85	40.98	156.22	-2,587.55	-5,830.01	7,416.55	7,355.45	61.10	121.379		
6,500.00	6,447.14	4,591.21	4,322.58	29.96	41.22	155.12	-2,596.13	-5,832.76	7,425.97	7,364.59	61.38	120.980		
6,550.00	6,497.05	4,624.52	4,352.61	30.17	41.62	134.51	-2,609.89	-5,837.07	7,442.70	7,380.86	61.85	120.343		
6,600.00	6,547.02	4,655.56	4,380.52	30.37	42.00	-12.08	-2,622.86	-5,841.08	7,456.03	7,393.77	62.26	119.751		
6,650.00	6,596.75	4,686.69	4,408.45	30.55	42.38	-15.89	-2,636.01	-5,845.09	7,465.88	7,403.22	62.66	119.151		
6,700.00	6,645.93	4,718.43	4,438.87	30.74	42.77	-16.95	-2,649.54	-5,849.18	7,472.20	7,409.15	63.05	118.504		
6,750.00	6,694.25	4,750.61	4,465.70	30.93	43.17	-17.51	-2,663.19	-5,853.42	7,474.97	7,411.52	63.45	117.815		
6,800.00	6,741.43	4,782.55	4,494.33	31.12	43.56	-17.95	-2,676.67	-5,857.73	7,474.17	7,410.34	63.82	117.106		
6,850.00	6,787.16	4,800.00	4,509.99	31.32	43.78	-18.34	-2,684.00	-5,860.13	7,469.82	7,405.80	64.02	116.678		
6,900.00	6,831.16	4,835.12	4,541.46	31.52	44.23	-18.85	-2,698.80	-5,865.02	7,461.96	7,397.54	64.42	115.835		
6,950.00	6,873.17	4,858.49	4,562.36	31.74	44.53	-19.40	-2,708.72	-5,868.31	7,450.67	7,386.00	64.67	115.216		
7,000.00	6,912.92	4,880.99	4,582.45	31.96	44.82	-20.06	-2,718.32	-5,871.51	7,436.01	7,371.11	64.90	114.585		
7,050.00	6,950.18	4,903.72	4,602.72	32.21	45.11	-20.85	-2,728.08	-5,874.77	7,418.06	7,352.94	65.12	113.915		
7,100.00	6,984.70	4,934.21	4,629.90	32.48	45.51	-21.84	-2,741.18	-5,879.18	7,396.90	7,331.46	65.43	113.043		
7,150.00	7,016.29	4,962.96	4,655.54	32.77	45.89	-23.01	-2,753.50	-5,883.39	7,372.63	7,306.91	65.73	112.174		
7,200.00	7,044.73	7,200.00	4,939.80	33.10	71.29	-26.26	-2,887.09	-5,924.26	7,344.67	7,257.83	86.84	84.576		
7,250.00	7,069.86	5,400.79	5,049.83	33.46	51.05	-28.83	-2,935.69	-5,937.82	7,313.24	7,242.74	70.50	103.731		
7,300.00	7,091.53	7,300.00	5,044.47	33.86	71.29	-30.91	-2,933.35	-5,937.16	7,279.27	7,192.35	86.92	83.748		
7,350.00	7,109.59	5,422.81	5,069.93	34.30	51.29	-33.72	-2,944.32	-5,940.32	7,243.02	7,172.37	70.65	102.519		
7,400.00	7,123.94	5,432.01	5,078.34	34.78	51.39	-36.96	-2,947.91	-5,941.39	7,204.75	7,134.03	70.72	101.882		
7,450.00	7,134.49	5,439.70	5,085.36	35.29	51.47	-40.89	-2,950.91	-5,942.30	7,164.66	7,093.88	70.78	101.229		
7,500.00	7,141.18	5,445.80	5,090.93	35.84	51.54	-45.67	-2,953.29	-5,943.04	7,122.97	7,052.14	70.83	100.561		
7,550.00	7,143.95	5,450.25	5,095.00	36.42	51.58	-51.48	-2,955.02	-5,943.57	7,079.94	7,009.05	70.88	99.881		
7,567.79	7,144.00	5,451.43	5,096.07	36.63	51.60	-53.83	-2,955.48	-5,943.72	7,064.34	6,993.44	70.90	99.633		
7,600.00	7,143.62	5,453.37	5,097.84	37.03	51.62	-53.86	-2,956.23	-5,943.95	7,036.02	6,965.08	70.94	99.188		
7,700.00	7,142.46	5,459.47	5,103.41	38.38	51.68	-53.96	-2,958.60	-5,944.70	6,948.27	6,877.20	71.07	97.769		
7,800.00	7,141.29	5,465.69	5,109.10	39.88	51.75	-54.06	-2,961.02	-5,945.48	6,860.84	6,789.59	71.25	96.287		
7,900.00	7,140.13	5,472.05	5,114.90	41.53	51.82	-54.17	-2,963.48	-5,946.27	6,773.75	6,702.25	71.50	94.742		
8,000.00	7,138.97	5,478.54	5,120.83	43.30	51.88	-54.28	-2,965.99	-5,947.10	6,687.01	6,615.21	71.80	93.138		
8,100.00	7,137.80	5,500.00	5,140.43	45.18	52.11	-54.63	-2,974.28	-5,949.88	6,600.66	6,528.34	72.32	91.272		
8,200.00	7,136.64	5,500.00	5,140.43	47.16	52.11	-54.63	-2,974.28	-5,949.88	6,514.64	6,441.97	72.67	89.646		
8,300.00	7,135.48	5,500.00	5,140.43	49.22	52.11	-54.63	-2,974.28	-5,949.88	6,429.02	6,355.93	73.08	87.967		
8,400.00	7,134.32	5,500.00	5,140.43	51.36	52.11	-54.63	-2,974.28	-5,949.88	6,343.82	6,270.26	73.56	86.239		
8,500.00	7,133.15	5,515.21	5,154.32	53.56	52.28	-54.88	-2,980.14	-5,951.90	6,259.02	6,184.75	74.27	84.270		
8,600.00	7,131.99	5,523.64	5,162.01	55.82	52.38	-55.02	-2,983.39	-5,953.03	6,174.68	6,099.70	74.98	82.353		
8,700.00	7,130.83	5,532.17	5,169.80	58.13	52.47	-55.17	-2,986.68	-5,954.18	6,090.78	6,015.03	75.75	80.404		
8,800.00	7,129.66	5,540.82	5,177.69	60.49	52.57	-55.31	-2,990.02	-5,955.35	6,007.36	5,930.76	76.60	78.429		

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 33C-6-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 33C-6-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		
8,900.00	7,128.50	5,549.58	5,185.68	62.89	52.67	-55.45	-2,993.40	-5,956.54	5,924.43	5,846.92	77.51	76.433		
9,000.00	7,127.34	5,730.29	5,352.29	65.32	54.56	-58.48	-3,058.44	-5,981.96	5,841.99	5,761.55	80.44	72.626		
9,100.00	7,126.17	5,736.39	5,357.99	67.79	54.62	-58.58	-3,060.45	-5,982.86	5,759.69	5,678.21	81.48	70.686		
9,200.00	7,125.01	5,742.61	5,363.77	70.28	54.68	-58.69	-3,062.49	-5,983.78	5,677.95	5,595.35	82.60	68.741		
9,300.00	7,123.85	5,748.96	5,369.70	72.80	54.74	-58.79	-3,064.58	-5,984.73	5,596.78	5,512.99	83.79	66.797		
9,400.00	7,122.68	5,755.42	5,375.73	75.34	54.80	-58.90	-3,066.71	-5,985.71	5,516.21	5,431.16	85.05	64.858		
9,500.00	7,121.52	5,762.02	5,381.88	77.91	54.87	-59.01	-3,068.89	-5,986.71	5,436.26	5,349.88	86.39	62.930		
9,600.00	7,120.36	5,768.75	5,388.14	80.49	54.93	-59.13	-3,071.12	-5,987.75	5,356.98	5,269.18	87.80	61.015		
9,700.00	7,119.19	5,775.62	5,394.53	83.09	55.00	-59.24	-3,073.39	-5,988.82	5,278.37	5,189.09	89.28	59.120		
9,800.00	7,118.03	5,800.00	5,417.20	85.70	55.24	-59.65	-3,081.50	-5,992.69	5,200.55	5,109.50	91.05	57.119		
9,900.00	7,116.87	5,800.00	5,417.20	88.33	55.24	-59.65	-3,081.50	-5,992.69	5,123.36	5,030.76	92.60	55.327		
10,000.00	7,115.70	5,800.00	5,417.20	90.98	55.24	-59.65	-3,081.50	-5,992.69	5,046.98	4,952.75	94.23	53.561		
10,100.00	7,114.54	5,816.37	5,432.41	93.63	55.40	-59.93	-3,086.94	-5,995.35	4,971.41	4,875.29	96.13	51.717		
10,200.00	7,113.38	5,843.92	5,458.04	96.29	55.68	-60.40	-3,095.96	-5,999.87	4,896.64	4,798.40	98.24	49.842		
10,300.00	7,112.21	5,872.10	5,484.31	98.97	55.97	-60.88	-3,105.04	-6,004.56	4,822.69	4,722.24	100.45	48.011		
10,400.00	7,111.05	5,900.95	5,511.23	101.65	56.26	-61.37	-3,114.17	-6,009.41	4,749.60	4,646.85	102.75	46.226		
10,500.00	7,109.89	10,500.00	5,506.58	104.34	103.20	-61.28	-3,112.57	-6,008.58	4,677.44	4,546.18	131.26	35.634		
10,600.00	7,108.72	5,900.00	5,510.35	107.04	56.25	-61.35	-3,113.88	-6,009.25	4,606.34	4,499.49	106.84	43.112		
10,700.00	7,107.56	5,925.05	5,533.73	109.75	56.51	-61.78	-3,121.75	-6,013.57	4,536.18	4,426.84	109.34	41.487		
10,800.00	7,106.40	5,933.73	5,541.82	112.47	56.60	-61.93	-3,124.49	-6,015.11	4,467.18	4,355.48	111.70	39.991		
10,900.00	7,105.24	5,942.63	5,550.12	115.19	56.70	-62.08	-3,127.31	-6,016.70	4,399.34	4,285.19	114.15	38.538		
11,000.00	7,104.07	5,951.77	5,558.63	117.91	56.79	-62.23	-3,130.20	-6,018.36	4,332.71	4,216.02	116.69	37.130		
11,100.00	7,102.91	5,961.15	5,567.36	120.64	56.89	-62.39	-3,133.17	-6,020.08	4,267.35	4,148.04	119.31	35.767		
11,200.00	7,101.75	5,970.78	5,576.31	123.38	56.99	-62.56	-3,136.23	-6,021.87	4,203.30	4,081.29	122.02	34.448		
11,300.00	7,100.58	5,980.67	5,585.50	126.12	57.10	-62.73	-3,139.38	-6,023.74	4,140.64	4,015.83	124.81	33.174		
11,400.00	7,099.42	6,000.00	5,603.44	128.87	57.30	-63.06	-3,145.54	-6,027.45	4,079.44	3,951.61	127.83	31.913		
11,500.00	7,098.26	6,000.00	5,603.44	131.62	57.30	-63.06	-3,145.54	-6,027.45	4,019.70	3,889.05	130.65	30.767		
11,600.00	7,097.09	6,000.00	5,603.44	134.37	57.30	-63.06	-3,145.54	-6,027.45	3,961.60	3,828.05	133.55	29.665		
11,700.00	7,095.93	6,000.00	5,603.44	137.13	57.30	-63.06	-3,145.54	-6,027.45	3,905.18	3,768.66	136.52	28.605		
11,800.00	7,094.77	6,000.00	5,603.44	139.89	57.30	-63.06	-3,145.54	-6,027.45	3,850.54	3,710.97	139.57	27.589		
11,900.00	7,093.60	6,032.40	5,633.41	142.65	57.69	-63.61	-3,156.06	-6,033.83	3,797.40	3,654.18	143.23	26.513		
12,000.00	7,092.44	6,040.52	5,640.90	145.42	57.79	-63.75	-3,158.75	-6,035.46	3,746.34	3,599.76	146.58	25.559		
12,100.00	7,091.28	6,048.74	5,648.47	148.19	57.88	-63.90	-3,161.50	-6,037.11	3,697.23	3,547.23	150.00	24.648		
12,200.00	7,090.11	6,057.07	5,656.13	150.96	57.99	-64.04	-3,164.31	-6,038.79	3,650.15	3,496.64	153.51	23.778		
12,300.00	7,088.95	6,065.51	5,663.88	153.74	58.09	-64.18	-3,167.17	-6,040.51	3,605.19	3,448.10	157.09	22.950		
12,400.00	7,087.79	6,074.06	5,671.72	156.52	58.19	-64.33	-3,170.10	-6,042.26	3,562.41	3,401.67	160.74	22.162		
12,500.00	7,086.62	6,100.00	5,695.43	159.30	58.50	-64.78	-3,179.13	-6,047.63	3,522.01	3,357.22	164.80	21.372		
12,600.00	7,085.46	6,100.00	5,695.43	162.08	58.50	-64.78	-3,179.13	-6,047.63	3,483.78	3,315.37	168.42	20.685		
12,700.00	7,084.30	6,274.79	5,856.82	164.86	60.51	-67.81	-3,236.81	-6,081.81	3,447.53	3,272.06	175.47	19.647		
12,800.00	7,083.13	12,800.00	5,856.00	167.65	129.84	-67.79	-3,236.49	-6,081.11	3,413.14	3,199.40	213.74	15.969		
12,900.00	7,081.97	6,317.30	5,896.56	170.44	60.94	-68.56	-3,250.47	-6,088.22	3,381.47	3,197.49	183.99	18.379		
13,000.00	7,080.81	6,328.40	5,906.94	173.23	61.05	-68.75	-3,254.06	-6,089.85	3,352.35	3,164.24	188.11	17.821		
13,100.00	7,079.64	6,339.50	5,917.31	176.02	61.15	-68.95	-3,257.66	-6,091.47	3,325.93	3,133.67	192.27	17.298		
13,200.00	7,078.48	6,350.59	5,927.67	178.81	61.26	-69.14	-3,261.27	-6,093.09	3,302.29	3,105.85	196.43	16.811		
13,300.00	7,077.32	6,361.67	5,938.02	181.61	61.37	-69.34	-3,264.89	-6,094.71	3,281.47	3,080.87	200.60	16.359		
13,400.00	7,076.16	6,372.75	5,948.36	184.40	61.47	-69.53	-3,268.51	-6,096.33	3,263.53	3,058.79	204.74	15.940		
13,500.00	7,074.99	6,383.81	5,958.69	187.20	61.58	-69.73	-3,272.15	-6,097.95	3,248.52	3,039.67	208.86	15.554		
13,600.00	7,073.83	6,394.87	5,969.00	190.00	61.68	-69.92	-3,275.79	-6,099.56	3,236.49	3,023.57	212.92	15.201		
13,700.00	7,072.67	6,406.03	5,979.41	192.80	61.79	-70.12	-3,279.48	-6,101.18	3,227.46	3,010.55	216.92	14.879		
13,800.00	7,071.50	6,416.96	5,989.60	195.60	61.89	-70.31	-3,283.11	-6,102.75	3,221.46	3,000.64	220.82	14.588		
13,900.00	7,070.34	6,427.51	5,999.44	198.41	61.99	-70.50	-3,286.62	-6,104.23	3,218.51	2,993.89	224.62	14.329		
13,946.33	7,069.80	6,432.27	6,003.88	199.71	62.04	-70.58	-3,288.21	-6,104.89	3,218.19	2,991.85	226.34	14.219 CC		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,000.00	7,069.18	6,437.69	6,008.93	201.21	62.09	-70.68	-3,290.02	-6,105.63	3,218.63	2,990.34	228.29	14.099		
14,100.00	7,068.01	6,447.52	6,018.09	204.02	62.18	-70.85	-3,293.31	-6,106.96	3,221.80	2,989.98	231.82	13.898 ES		
14,200.00	7,066.85	6,457.01	6,026.95	206.82	62.27	-71.02	-3,296.50	-6,108.23	3,228.03	2,992.84	235.19	13.725		
14,300.00	7,065.69	6,466.19	6,035.51	209.63	62.36	-71.18	-3,299.60	-6,109.43	3,237.30	2,998.91	238.40	13.579		
14,400.00	7,064.52	6,475.07	6,043.78	212.44	62.44	-71.34	-3,302.60	-6,110.57	3,249.59	3,008.16	241.43	13.460		
14,500.00	7,063.36	6,483.67	6,051.80	215.25	62.52	-71.49	-3,305.51	-6,111.66	3,264.86	3,020.59	244.27	13.366		
14,600.00	7,062.20	6,500.00	6,067.02	218.06	62.67	-71.78	-3,311.07	-6,113.68	3,283.09	3,035.96	247.14	13.284		
14,700.00	7,061.03	6,500.27	6,067.27	220.87	62.68	-71.78	-3,311.16	-6,113.71	3,304.19	3,054.81	249.39	13.249		
14,800.00	7,059.87	6,537.99	6,102.52	223.68	62.99	-72.45	-3,323.84	-6,118.09	3,328.09	3,075.67	252.42	13.185		
14,900.00	7,058.71	6,569.55	6,132.16	226.49	63.25	-73.00	-3,334.15	-6,121.46	3,354.69	3,099.59	255.10	13.151		
15,000.00	7,057.54	6,596.34	6,157.41	229.30	63.47	-73.48	-3,342.69	-6,124.10	3,383.94	3,126.48	257.46	13.144 SF		
15,100.00	7,056.38	6,619.35	6,179.17	232.12	63.66	-73.89	-3,349.87	-6,126.21	3,415.81	3,156.28	259.54	13.161		
15,200.00	7,055.22	6,627.94	6,187.30	234.93	63.68	-74.04	-3,352.54	-6,126.96	3,450.26	3,189.22	261.03	13.218		
15,300.00	7,054.05	6,641.10	6,199.78	237.75	63.77	-74.27	-3,356.57	-6,128.06	3,487.19	3,224.71	262.48	13.286		
15,400.00	7,052.89	6,653.12	6,211.20	240.56	63.85	-74.48	-3,360.22	-6,129.03	3,526.54	3,262.82	263.72	13.372		
15,500.00	7,051.73	6,664.15	6,221.68	243.38	63.93	-74.68	-3,363.55	-6,129.89	3,568.24	3,303.47	264.77	13.477		
15,600.00	7,050.56	6,674.31	6,231.34	246.20	63.99	-74.86	-3,366.58	-6,130.64	3,612.20	3,346.56	265.64	13.598		
15,648.52	7,050.00	6,678.95	6,235.76	247.57	64.02	-74.94	-3,367.96	-6,130.97	3,634.33	3,368.33	266.00	13.663		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	23.38	2,315.88	1,001.22	2,523.11					
100.00	100.00	79.32	79.32	3.28	3.28	23.38	2,315.90	1,001.29	2,523.09	2,516.52	6.57	384.085		
200.00	200.00	179.70	179.70	3.34	3.33	23.39	2,315.94	1,001.48	2,523.20	2,516.54	6.66	378.649		
300.00	300.00	278.58	278.58	3.44	3.42	23.39	2,316.00	1,001.61	2,523.31	2,516.44	6.87	367.412		
400.00	399.98	377.04	377.04	3.60	3.57	-68.16	2,316.15	1,001.66	2,522.82	2,515.66	7.17	352.051		
500.00	499.84	475.66	475.66	3.80	3.75	-68.30	2,316.44	1,001.54	2,521.10	2,513.55	7.55	333.955		
600.00	599.45	572.17	572.17	4.04	3.97	-68.54	2,316.83	1,001.36	2,518.18	2,510.18	8.01	314.567		
682.50	681.36	654.72	654.71	4.26	4.18	-68.82	2,317.29	1,001.09	2,514.91	2,506.47	8.44	297.983		
700.00	698.71	672.62	672.62	4.32	4.23	-68.88	2,317.39	1,001.01	2,514.13	2,505.59	8.54	294.440		
800.00	797.82	775.75	775.75	4.62	4.52	-69.18	2,317.88	1,000.49	2,509.57	2,500.44	9.14	274.677		
900.00	896.93	874.77	874.76	4.95	4.82	-69.48	2,318.26	999.94	2,504.98	2,495.21	9.77	256.424		
1,000.00	996.04	972.00	971.99	5.30	5.13	-69.77	2,318.64	999.53	2,500.51	2,490.08	10.43	239.664		
1,100.00	1,095.15	1,325.87	1,325.27	5.67	6.44	-70.66	2,302.34	999.56	2,493.15	2,481.11	12.03	207.235		
1,200.00	1,194.26	1,544.52	1,542.15	6.05	7.45	-71.11	2,274.82	997.40	2,476.98	2,463.76	13.21	187.463		
1,300.00	1,293.37	1,833.14	1,824.45	6.45	9.12	-71.45	2,215.29	998.63	2,452.61	2,437.89	14.72	166.577		
1,400.00	1,392.48	1,954.54	1,941.99	6.85	9.91	-71.52	2,184.92	1,000.12	2,425.42	2,409.79	15.63	155.183		
1,500.00	1,491.59	2,126.34	2,107.24	7.26	11.07	-71.57	2,138.08	1,003.16	2,396.43	2,379.68	16.75	143.070		
1,600.00	1,590.70	1,600.00	2,323.15	7.68	7.36	-71.62	2,067.64	1,004.60	2,364.06	2,349.47	14.58	162.111		
1,700.00	1,689.81	2,495.95	2,456.31	8.10	13.92	-71.63	2,017.09	1,003.97	2,326.35	2,307.27	19.08	121.928		
1,800.00	1,788.92	2,775.56	2,711.06	8.53	16.61	-71.42	1,902.16	1,004.42	2,282.26	2,261.65	20.62	110.705		
1,900.00	1,888.03	2,827.85	2,758.11	8.96	17.12	-71.38	1,879.36	1,004.13	2,237.42	2,216.05	21.36	104.729		
2,000.00	1,987.14	2,866.83	2,793.61	9.39	17.49	-71.35	1,863.24	1,003.96	2,194.56	2,172.48	22.08	99.393		
2,100.00	2,086.25	2,100.00	2,879.15	9.83	10.70	-71.30	1,825.96	1,003.57	2,153.01	2,134.60	18.41	116.958		
2,200.00	2,185.36	3,082.11	2,990.14	10.27	19.48	-71.22	1,775.43	1,002.81	2,109.86	2,085.90	23.96	88.064		
2,300.00	2,284.47	3,142.53	3,045.22	10.71	20.02	-71.18	1,750.61	1,002.34	2,067.18	2,042.41	24.77	83.455		
2,400.00	2,383.58	3,200.00	3,098.11	11.15	20.52	-71.17	1,728.15	1,001.43	2,026.02	2,000.43	25.58	79.202		
2,500.00	2,482.69	3,320.32	3,208.98	11.60	21.52	-71.18	1,681.50	998.88	1,984.98	1,958.45	26.52	74.835		
2,600.00	2,581.80	3,405.50	3,287.40	12.05	22.24	-71.20	1,648.33	996.39	1,943.48	1,916.08	27.40	70.929		
2,700.00	2,680.91	3,460.07	3,337.86	12.50	22.67	-71.22	1,627.62	994.82	1,902.90	1,874.68	28.22	67.437		
2,800.00	2,780.02	3,528.16	3,401.24	12.95	23.20	-71.24	1,602.78	993.42	1,863.91	1,834.84	29.07	64.127		
2,900.00	2,879.13	3,619.99	3,486.74	13.40	23.90	-71.25	1,569.27	992.43	1,825.32	1,795.35	29.97	60.909		
3,000.00	2,978.24	3,712.28	3,572.63	13.85	24.60	-71.24	1,535.51	991.87	1,786.81	1,755.93	30.88	57.862		
3,100.00	3,077.35	3,824.81	3,676.94	14.30	25.49	-71.17	1,493.28	992.15	1,747.71	1,715.87	31.84	54.891		
3,200.00	3,176.46	3,939.47	3,782.59	14.76	26.42	-71.07	1,448.74	992.75	1,707.51	1,674.70	32.81	52.041		
3,300.00	3,275.57	4,056.06	3,889.21	15.21	27.42	-70.92	1,401.58	993.86	1,665.95	1,632.16	33.79	49.306		
3,400.00	3,374.68	4,144.31	3,969.71	15.67	28.18	-70.83	1,365.43	993.55	1,623.50	1,588.77	34.73	46.747		
3,500.00	3,473.79	4,225.03	4,043.83	16.12	28.86	-70.80	1,333.50	992.23	1,581.87	1,546.21	35.66	44.364		
3,600.00	3,572.90	4,325.79	4,136.26	16.58	29.70	-70.78	1,293.43	990.15	1,539.91	1,503.33	36.58	42.100		
3,700.00	3,672.01	4,411.82	4,215.20	17.04	30.42	-70.76	1,259.30	988.22	1,497.99	1,460.49	37.50	39.943		
3,800.00	3,771.12	4,515.98	4,310.75	17.50	31.29	-70.75	1,217.92	985.64	1,455.97	1,417.55	38.41	37.905		
3,900.00	3,870.23	4,643.44	4,426.40	17.95	32.43	-70.73	1,164.51	981.36	1,411.39	1,372.12	39.27	35.940		
4,000.00	3,969.34	4,721.18	4,496.83	18.41	33.13	-70.73	1,131.72	978.43	1,366.66	1,326.44	40.22	33.981		
4,100.00	4,068.45	4,789.48	4,559.16	18.87	33.72	-70.76	1,103.93	975.58	1,323.14	1,281.95	41.19	32.126		
4,200.00	4,167.56	4,854.91	4,619.35	19.33	34.25	-70.81	1,078.45	972.85	1,281.21	1,239.05	42.16	30.393		
4,300.00	4,266.67	4,923.74	4,683.17	19.79	34.78	-70.87	1,052.77	970.61	1,241.08	1,197.96	43.12	28.783		
4,400.00	4,365.78	5,000.00	4,754.24	20.25	35.34	-70.91	1,025.17	968.80	1,202.31	1,158.24	44.07	27.283		
4,500.00	4,464.89	5,075.37	4,824.83	20.71	35.87	-70.96	998.78	967.44	1,164.82	1,119.80	45.02	25.873		
4,600.00	4,564.00	5,142.17	4,887.77	21.17	36.30	-71.01	976.44	966.49	1,128.96	1,082.98	45.98	24.552		
4,700.00	4,663.11	5,200.00	4,942.72	21.63	36.66	-71.06	958.43	966.22	1,095.64	1,048.69	46.95	23.339		
4,800.00	4,762.22	5,261.16	5,001.43	22.09	36.97	-71.14	941.30	966.24	1,065.36	1,017.51	47.85	22.263		
4,900.00	4,861.33	5,322.13	5,060.61	22.56	37.27	-71.27	926.63	966.27	1,038.56	989.85	48.71	21.319		
5,000.00	4,960.44	5,391.45	5,128.37	23.02	37.56	-71.48	912.06	966.19	1,014.59	965.06	49.53	20.486		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,464.65	5,200.35	23.48	37.83	-71.76	898.74	965.88	993.16	942.86	50.30	19.746		
5,200.00	5,158.66	5,541.41	5,276.16	23.94	38.09	-72.13	886.77	965.29	974.04	923.00	51.04	19.085		
5,300.00	5,257.77	5,623.04	5,357.04	24.40	38.36	-72.57	875.73	964.58	956.90	905.14	51.76	18.486		
5,400.00	5,356.88	5,710.34	5,443.70	24.87	38.63	-73.09	865.23	963.57	941.16	888.67	52.49	17.930		
5,500.00	5,455.99	5,794.63	5,527.52	25.33	38.89	-73.66	856.40	962.28	926.87	873.68	53.19	17.427		
5,600.00	5,555.10	5,875.45	5,608.02	25.79	39.12	-74.26	849.45	960.84	914.38	860.54	53.84	16.984		
5,700.00	5,654.21	5,962.99	5,695.34	26.25	39.37	-74.96	843.54	959.14	903.73	849.22	54.51	16.580		
5,800.00	5,753.32	6,053.41	5,785.59	26.72	39.62	-75.74	838.40	957.12	894.21	839.02	55.19	16.203		
5,900.00	5,852.43	6,142.22	5,874.29	27.18	39.87	-76.54	834.27	955.02	885.85	830.00	55.85	15.862		
6,000.00	5,951.54	6,226.10	5,958.09	27.64	40.10	-77.33	831.53	952.96	879.01	822.56	56.45	15.571		
6,100.00	6,050.65	6,303.73	6,035.68	28.11	40.31	-78.12	830.83	950.78	874.59	817.62	56.97	15.351		
6,200.00	6,149.76	6,388.31	6,120.24	28.57	40.54	-78.98	831.71	948.83	872.42	814.88	57.53	15.164		
6,300.00	6,248.87	6,488.24	6,220.14	29.03	40.81	-79.96	833.47	947.25	871.37	813.09	58.27	14.953		
6,400.00	6,347.98	6,599.19	6,331.06	29.50	41.12	-81.07	834.55	945.18	869.77	810.61	59.16	14.703		
6,475.54	6,422.84	6,660.70	6,392.56	29.85	41.29	-81.68	835.14	944.11	868.73	809.16	59.57	14.583		
6,485.09	6,432.31	6,668.46	6,400.32	29.89	41.31	-82.17	835.28	944.00	868.70	809.08	59.62	14.570 CC		
6,500.00	6,447.14	6,680.62	6,412.48	29.96	41.35	-83.21	835.52	943.86	868.76	809.06	59.70	14.552 ES		
6,550.00	6,497.05	6,732.21	6,464.05	30.17	41.49	-104.58	836.70	943.35	869.66	809.55	60.11	14.469		
6,600.00	6,547.02	6,793.50	6,525.33	30.37	41.67	108.42	837.49	942.62	870.81	810.19	60.62	14.365		
6,650.00	6,596.75	6,847.81	6,579.64	30.55	41.82	104.58	837.66	941.98	872.25	811.19	61.06	14.284		
6,700.00	6,645.93	6,900.71	6,632.53	30.74	41.97	103.84	837.56	941.63	874.31	812.79	61.52	14.213		
6,750.00	6,694.25	6,944.06	6,675.88	30.93	42.10	103.72	837.50	941.36	877.32	815.43	61.89	14.175		
6,800.00	6,741.43	6,986.59	6,718.41	31.12	42.22	103.90	837.72	940.96	881.65	819.36	62.29	14.154		
6,850.00	6,787.16	7,029.64	6,761.45	31.32	42.34	104.25	838.18	940.41	887.40	824.66	62.74	14.145 SF		
6,900.00	6,831.16	7,072.06	6,803.87	31.52	42.47	104.69	838.77	939.68	894.61	831.39	63.22	14.151		
6,950.00	6,873.17	7,112.83	6,844.62	31.74	42.59	105.13	839.48	938.82	903.44	839.71	63.73	14.175		
7,000.00	6,912.92	7,151.68	6,883.45	31.96	42.70	105.51	840.26	937.87	914.06	849.78	64.28	14.219		
7,050.00	6,950.18	7,188.36	6,920.10	32.21	42.81	105.77	841.10	936.87	926.61	861.75	64.87	14.285		
7,100.00	6,984.70	7,222.13	6,953.85	32.48	42.91	105.85	841.96	935.88	941.24	875.77	65.48	14.375		
7,150.00	7,016.29	7,252.96	6,984.66	32.77	43.00	105.68	842.81	934.96	958.08	891.96	66.12	14.491		
7,200.00	7,044.73	7,280.90	7,012.57	33.10	43.08	105.22	843.64	934.13	977.17	910.40	66.77	14.634		
7,250.00	7,069.86	7,306.23	7,037.88	33.46	43.15	104.46	844.44	933.36	998.56	931.11	67.45	14.804		
7,300.00	7,091.53	7,329.76	7,061.38	33.86	43.22	103.38	845.21	932.61	1,022.17	954.03	68.15	15.000		
7,350.00	7,109.59	7,349.91	7,081.51	34.30	43.28	101.88	845.89	931.90	1,047.94	979.11	68.83	15.225		
7,400.00	7,123.94	7,350.00	7,081.60	34.78	43.28	98.89	845.89	931.90	1,075.86	1,006.49	69.37	15.508		
7,450.00	7,134.49	7,350.00	7,081.60	35.29	43.28	95.54	845.89	931.90	1,105.80	1,035.88	69.92	15.815		
7,500.00	7,141.18	7,350.00	7,081.60	35.84	43.28	91.86	845.89	931.90	1,137.41	1,066.94	70.47	16.140		
7,550.00	7,143.95	7,350.00	7,081.60	36.42	43.28	87.92	845.89	931.90	1,170.37	1,099.36	71.01	16.481		
7,567.79	7,144.00	7,350.00	7,081.60	36.63	43.28	86.46	845.89	931.90	1,182.37	1,111.17	71.20	16.606		
7,600.00	7,143.62	7,350.00	7,081.60	37.03	43.28	86.46	845.89	931.90	1,204.44	1,132.90	71.54	16.835		
7,700.00	7,142.46	7,350.00	7,081.60	38.38	43.28	86.46	845.89	931.90	1,275.70	1,203.16	72.54	17.586		
7,800.00	7,141.29	7,350.00	7,081.60	39.88	43.28	86.46	845.89	931.90	1,350.61	1,277.17	73.44	18.391		
7,900.00	7,140.13	7,350.00	7,081.60	41.53	43.28	86.46	845.89	931.90	1,428.59	1,354.34	74.25	19.241		
8,000.00	7,138.97	7,350.00	7,081.60	43.30	43.28	86.46	845.89	931.90	1,509.17	1,434.21	74.97	20.132		
8,100.00	7,137.80	7,350.00	7,081.60	45.18	43.28	86.46	845.89	931.90	1,591.96	1,516.36	75.60	21.056		
8,200.00	7,136.64	7,350.00	7,081.60	47.16	43.28	86.46	845.89	931.90	1,676.63	1,600.45	76.17	22.011		
8,300.00	7,135.48	7,350.00	7,081.60	49.22	43.28	86.46	845.89	931.90	1,762.90	1,686.22	76.68	22.991		
8,400.00	7,134.32	7,350.00	7,081.60	51.36	43.28	86.46	845.89	931.90	1,850.55	1,773.42	77.13	23.993		
8,500.00	7,133.15	7,350.00	7,081.60	53.56	43.28	86.46	845.89	931.90	1,939.40	1,861.87	77.53	25.014		
8,600.00	7,131.99	7,350.00	7,081.60	55.82	43.28	86.46	845.89	931.90	2,029.29	1,951.39	77.90	26.051		
8,700.00	7,130.83	7,350.00	7,081.60	58.13	43.28	86.46	845.89	931.90	2,120.08	2,041.86	78.22	27.103		
8,800.00	7,129.66	7,350.00	7,081.60	60.49	43.28	86.46	845.89	931.90	2,211.67	2,133.15	78.52	28.167		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,350.00	7,081.60	62.89	43.28	86.46	845.89	931.90	2,303.96	2,225.17	78.79	29.242		
9,000.00	7,127.34	7,350.00	7,081.60	65.32	43.28	86.46	845.89	931.90	2,396.86	2,317.83	79.03	30.327		
9,100.00	7,126.17	7,350.00	7,081.60	67.79	43.28	86.46	845.89	931.90	2,490.32	2,411.06	79.26	31.420		
9,200.00	7,125.01	7,350.00	7,081.60	70.28	43.28	86.46	845.89	931.90	2,584.26	2,504.80	79.47	32.521		
9,300.00	7,123.85	7,350.00	7,081.60	72.80	43.28	86.46	845.89	931.90	2,678.65	2,598.99	79.66	33.628		
9,400.00	7,122.68	7,350.00	7,081.60	75.34	43.28	86.46	845.89	931.90	2,773.42	2,693.59	79.83	34.740		
9,500.00	7,121.52	7,350.00	7,081.60	77.91	43.28	86.46	845.89	931.90	2,868.56	2,788.56	80.00	35.858		
9,600.00	7,120.36	7,350.00	7,081.60	80.49	43.28	86.46	845.89	931.90	2,964.01	2,883.86	80.15	36.980		
9,700.00	7,119.19	7,350.00	7,081.60	83.09	43.28	86.46	845.89	931.90	3,059.75	2,979.46	80.30	38.106		
9,800.00	7,118.03	7,350.00	7,081.60	85.70	43.28	86.46	845.89	931.90	3,155.76	3,075.33	80.43	39.235		
9,900.00	7,116.87	7,350.00	7,081.60	88.33	43.28	86.46	845.89	931.90	3,252.01	3,171.45	80.56	40.368		
10,000.00	7,115.70	7,350.00	7,081.60	90.98	43.28	86.46	845.89	931.90	3,348.48	3,267.79	80.68	41.503		
10,100.00	7,114.54	7,350.00	7,081.60	93.63	43.28	86.46	845.89	931.90	3,445.14	3,364.35	80.80	42.640		
10,200.00	7,113.38	7,350.00	7,081.60	96.29	43.28	86.46	845.89	931.90	3,542.00	3,461.09	80.91	43.779		
10,300.00	7,112.21	7,350.00	7,081.60	98.97	43.28	86.46	845.89	931.90	3,639.02	3,558.01	81.01	44.920		
10,400.00	7,111.05	7,350.00	7,081.60	101.65	43.28	86.46	845.89	931.90	3,736.20	3,655.09	81.11	46.062		
10,500.00	7,109.89	7,350.00	7,081.60	104.34	43.28	86.46	845.89	931.90	3,833.53	3,752.32	81.21	47.206		
10,600.00	7,108.72	7,350.00	7,081.60	107.04	43.28	86.46	845.89	931.90	3,930.99	3,849.69	81.30	48.350		
10,700.00	7,107.56	7,350.00	7,081.60	109.75	43.28	86.46	845.89	931.90	4,028.58	3,947.18	81.39	49.495		
10,800.00	7,106.40	7,350.00	7,081.60	112.47	43.28	86.46	845.89	931.90	4,126.28	4,044.80	81.48	50.641		
10,900.00	7,105.24	7,350.00	7,081.60	115.19	43.28	86.46	845.89	931.90	4,224.09	4,142.52	81.57	51.787		
11,000.00	7,104.07	7,350.00	7,081.60	117.91	43.28	86.46	845.89	931.90	4,321.99	4,240.34	81.65	52.934		
11,100.00	7,102.91	7,350.00	7,081.60	120.64	43.28	86.46	845.89	931.90	4,420.00	4,338.27	81.73	54.080		
11,200.00	7,101.75	7,350.00	7,081.60	123.38	43.28	86.46	845.89	931.90	4,518.09	4,436.28	81.81	55.226		
11,300.00	7,100.58	7,350.00	7,081.60	126.12	43.28	86.46	845.89	931.90	4,616.26	4,534.37	81.89	56.373		
11,400.00	7,099.42	7,350.00	7,081.60	128.87	43.28	86.46	845.89	931.90	4,714.51	4,632.54	81.96	57.519		
11,500.00	7,098.26	7,350.00	7,081.60	131.62	43.28	86.46	845.89	931.90	4,812.83	4,730.79	82.04	58.664		
11,600.00	7,097.09	7,350.00	7,081.60	134.37	43.28	86.46	845.89	931.90	4,911.22	4,829.10	82.11	59.810		
11,700.00	7,095.93	7,350.00	7,081.60	137.13	43.28	86.46	845.89	931.90	5,009.67	4,927.48	82.19	60.954		
11,800.00	7,094.77	7,350.00	7,081.60	139.89	43.28	86.46	845.89	931.90	5,108.18	5,025.92	82.26	62.098		
11,900.00	7,093.60	7,350.00	7,081.60	142.65	43.28	86.46	845.89	931.90	5,206.75	5,124.42	82.33	63.241		
12,000.00	7,092.44	7,350.00	7,081.60	145.42	43.28	86.46	845.89	931.90	5,305.37	5,222.97	82.40	64.383		
12,100.00	7,091.28	7,350.00	7,081.60	148.19	43.28	86.46	845.89	931.90	5,404.05	5,321.57	82.47	65.525		
12,200.00	7,090.11	7,350.00	7,081.60	150.96	43.28	86.46	845.89	931.90	5,502.77	5,420.22	82.54	66.665		
12,300.00	7,088.95	7,350.00	7,081.60	153.74	43.28	86.46	845.89	931.90	5,601.53	5,518.92	82.61	67.804		
12,400.00	7,087.79	7,350.00	7,081.60	156.52	43.28	86.46	845.89	931.90	5,700.34	5,617.66	82.68	68.942		
12,500.00	7,086.62	7,350.00	7,081.60	159.30	43.28	86.46	845.89	931.90	5,799.19	5,716.44	82.75	70.079		
12,600.00	7,085.46	7,350.00	7,081.60	162.08	43.28	86.46	845.89	931.90	5,898.08	5,815.26	82.82	71.215		
12,700.00	7,084.30	7,350.00	7,081.60	164.86	43.28	86.46	845.89	931.90	5,997.01	5,914.12	82.89	72.349		
12,800.00	7,083.13	7,350.00	7,081.60	167.65	43.28	86.46	845.89	931.90	6,095.97	6,013.01	82.96	73.482		
12,900.00	7,081.97	7,350.00	7,081.60	170.44	43.28	86.46	845.89	931.90	6,194.96	6,111.94	83.03	74.613		
13,000.00	7,080.81	7,350.00	7,081.60	173.23	43.28	86.46	845.89	931.90	6,293.99	6,210.89	83.10	75.743		
13,100.00	7,079.64	7,350.00	7,081.60	176.02	43.28	86.46	845.89	931.90	6,393.05	6,309.88	83.17	76.872		
13,200.00	7,078.48	7,350.00	7,081.60	178.81	43.28	86.46	845.89	931.90	6,492.13	6,408.90	83.23	77.998		
13,300.00	7,077.32	7,350.00	7,081.60	181.61	43.28	86.46	845.89	931.90	6,591.25	6,507.94	83.30	79.123		
13,400.00	7,076.16	7,350.00	7,081.60	184.40	43.28	86.46	845.89	931.90	6,690.38	6,607.01	83.37	80.247		
13,500.00	7,074.99	7,350.00	7,081.60	187.20	43.28	86.46	845.89	931.90	6,789.55	6,706.11	83.44	81.369		
13,600.00	7,073.83	7,350.00	7,081.60	190.00	43.28	86.46	845.89	931.90	6,888.74	6,805.23	83.51	82.488		
13,700.00	7,072.67	7,350.00	7,081.60	192.80	43.28	86.46	845.89	931.90	6,987.95	6,904.37	83.58	83.607		
13,800.00	7,071.50	7,350.00	7,081.60	195.60	43.28	86.46	845.89	931.90	7,087.18	7,003.53	83.65	84.723		
13,900.00	7,070.34	7,350.00	7,081.60	198.41	43.28	86.46	845.89	931.90	7,186.44	7,102.72	83.72	85.837		
14,000.00	7,069.18	7,350.00	7,081.60	201.21	43.28	86.46	845.89	931.90	7,285.72	7,201.92	83.79	86.949		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	7,068.01	7,350.00	7,081.60	204.02	43.28	86.46	845.89	931.90	7,385.01	7,301.15	83.86	88.060	
14,200.00	7,066.85	7,350.00	7,081.60	206.82	43.28	86.46	845.89	931.90	7,484.33	7,400.39	83.93	89.168	
14,300.00	7,065.69	7,350.00	7,081.60	209.63	43.28	86.46	845.89	931.90	7,583.66	7,499.65	84.01	90.274	
14,400.00	7,064.52	7,350.00	7,081.60	212.44	43.28	86.46	845.89	931.90	7,683.01	7,598.93	84.08	91.379	
14,500.00	7,063.36	7,350.00	7,081.60	215.25	43.28	86.46	845.89	931.90	7,782.37	7,698.22	84.15	92.481	
14,600.00	7,062.20	7,350.00	7,081.60	218.06	43.28	86.46	845.89	931.90	7,881.75	7,797.53	84.22	93.581	
14,700.00	7,061.03	7,350.00	7,081.60	220.87	43.28	86.46	845.89	931.90	7,981.15	7,896.86	84.30	94.679	
14,800.00	7,059.87	7,350.00	7,081.60	223.68	43.28	86.46	845.89	931.90	8,080.56	7,996.19	84.37	95.774	
14,900.00	7,058.71	7,350.00	7,081.60	226.49	43.28	86.46	845.89	931.90	8,179.99	8,095.55	84.45	96.868	
15,000.00	7,057.54	7,350.00	7,081.60	229.30	43.28	86.46	845.89	931.90	8,279.43	8,194.91	84.52	97.959	
15,100.00	7,056.38	7,350.00	7,081.60	232.12	43.28	86.46	845.89	931.90	8,378.89	8,294.29	84.59	99.048	
15,200.00	7,055.22	7,350.00	7,081.60	234.93	43.28	86.46	845.89	931.90	8,478.35	8,393.68	84.67	100.134	
15,300.00	7,054.05	7,350.00	7,081.60	237.75	43.28	86.46	845.89	931.90	8,577.83	8,493.09	84.75	101.218	
15,400.00	7,052.89	7,350.00	7,081.60	240.56	43.28	86.46	845.89	931.90	8,677.32	8,592.50	84.82	102.300	
15,500.00	7,051.73	7,350.00	7,081.60	243.38	43.28	86.46	845.89	931.90	8,776.83	8,691.93	84.90	103.380	
15,600.00	7,050.56	7,350.00	7,081.60	246.20	43.28	86.46	845.89	931.90	8,876.34	8,791.36	84.98	104.457	
15,648.52	7,050.00	7,350.00	7,081.60	247.57	43.28	86.46	845.89	931.90	8,924.63	8,839.62	85.01	104.978	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	2,157.53	2,058.24	3.28	27.26	93.41	-306.97	5,158.60	5,581.23					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	93.29	-295.54	5,143.69	5,543.68	5,522.52	21.16	261.989		
200.00	200.00	2,262.37	2,152.20	3.34	29.64	93.11	-277.88	5,122.33	5,506.75	5,484.69	22.06	249.660		
300.00	300.00	2,304.55	2,189.94	3.44	30.59	92.97	-265.08	5,108.49	5,470.86	5,448.13	22.73	240.676		
400.00	399.98	2,555.42	2,416.10	3.60	36.12	0.78	-199.32	5,022.33	5,432.76	5,406.68	26.08	208.304		
500.00	499.84	500.00	2,588.24	3.80	19.76	0.19	-145.93	4,952.19	5,389.73	5,375.20	14.53	371.058		
600.00	599.45	2,900.00	2,719.57	4.04	45.22	-0.38	-97.66	4,895.11	5,341.13	5,309.26	31.87	167.596		
682.50	681.36	2,932.35	2,747.54	4.26	46.10	-0.52	-86.93	4,882.90	5,299.06	5,266.39	32.67	162.181		
700.00	698.71	2,937.05	2,751.62	4.32	46.23	-0.54	-85.40	4,881.15	5,290.01	5,257.20	32.82	161.201		
800.00	797.82	2,964.23	2,775.36	4.62	46.98	-0.64	-76.72	4,871.17	5,238.89	5,205.29	33.60	155.931		
900.00	896.93	3,000.00	2,806.89	4.95	47.96	-0.78	-65.68	4,858.37	5,188.78	5,154.21	34.56	150.123		
1,000.00	996.04	3,026.22	2,830.17	5.30	48.57	-0.88	-57.82	4,849.20	5,139.59	5,104.26	35.33	145.455		
1,100.00	1,095.15	3,063.52	2,863.45	5.67	49.43	-1.02	-46.90	4,836.39	5,091.32	5,055.02	36.30	140.261		
1,200.00	1,194.26	3,212.41	2,996.86	6.05	52.84	-1.57	-4.44	4,785.72	5,043.91	5,005.04	38.87	129.756		
1,300.00	1,293.37	3,256.10	3,035.99	6.45	53.84	-1.73	7.72	4,770.57	4,995.63	4,955.67	39.96	125.028		
1,400.00	1,392.48	3,300.00	3,075.50	6.85	54.84	-1.89	19.44	4,755.45	4,947.96	4,906.89	41.07	120.477		
1,500.00	1,491.59	3,334.47	3,106.75	7.26	55.52	-2.01	28.24	4,743.85	4,901.21	4,859.21	42.00	116.700		
1,600.00	1,590.70	3,363.18	3,132.97	7.68	56.08	-2.10	35.26	4,734.51	4,855.58	4,812.71	42.88	113.243		
1,700.00	1,689.81	3,400.00	3,166.86	8.10	56.80	-2.22	43.84	4,722.96	4,811.10	4,767.23	43.86	109.680		
1,800.00	1,788.92	3,509.78	3,267.96	8.53	58.76	-2.58	69.52	4,688.75	4,767.04	4,721.42	45.62	104.505		
1,900.00	1,888.03	3,573.15	3,326.11	8.96	59.92	-2.80	85.10	4,668.96	4,722.92	4,675.98	46.93	100.630		
2,000.00	1,987.14	3,633.83	3,381.83	9.39	61.00	-3.02	100.28	4,650.32	4,679.36	4,631.14	48.22	97.047		
2,100.00	2,086.25	3,700.00	3,443.03	9.83	62.14	-3.24	115.52	4,630.33	4,636.44	4,586.89	49.55	93.578		
2,200.00	2,185.36	3,735.97	3,476.51	10.27	62.68	-3.35	123.26	4,619.70	4,594.28	4,543.78	50.51	90.966		
2,300.00	2,284.47	4,253.47	3,947.86	10.71	73.26	-5.27	246.61	4,447.97	4,549.78	4,492.52	57.25	79.471		
2,400.00	2,383.58	4,300.00	3,988.41	11.15	74.57	-5.51	261.52	4,430.70	4,500.54	4,441.70	58.84	76.488		
2,500.00	2,482.69	4,300.00	3,988.41	11.60	74.57	-5.51	261.52	4,430.70	4,452.62	4,393.00	59.62	74.688		
2,600.00	2,581.80	4,357.45	4,038.85	12.05	76.00	-5.81	279.88	4,410.22	4,405.33	4,343.97	61.37	71.784		
2,700.00	2,680.91	4,400.00	4,076.71	12.50	77.06	-6.03	293.02	4,395.93	4,359.68	4,296.80	62.89	69.327		
2,800.00	2,780.02	4,400.00	4,076.71	12.95	77.06	-6.03	293.02	4,395.93	4,315.24	4,251.55	63.69	67.758		
2,900.00	2,879.13	4,458.33	4,129.24	13.40	78.24	-6.31	310.19	4,377.26	4,271.81	4,206.50	65.32	65.403		
3,000.00	2,978.24	4,500.00	4,167.15	13.85	79.08	-6.51	321.78	4,364.45	4,229.60	4,162.89	66.71	63.399		
3,100.00	3,077.35	4,626.55	4,282.37	14.30	81.49	-7.11	356.65	4,325.41	4,187.48	4,118.27	69.21	60.505		
3,200.00	3,176.46	4,734.07	4,380.23	14.76	83.59	-7.63	385.88	4,291.82	4,145.29	4,073.81	71.48	57.991		
3,300.00	3,275.57	4,852.46	4,487.76	15.21	85.97	-8.20	417.16	4,253.40	4,102.03	4,028.10	73.92	55.490		
3,400.00	3,374.68	3,400.00	4,692.97	15.67	50.30	-9.40	479.99	4,175.53	4,057.64	4,007.58	50.06	81.049		
3,500.00	3,473.79	5,257.46	4,849.01	16.12	95.72	-10.42	530.73	4,110.07	4,010.69	3,928.66	82.03	48.894		
3,600.00	3,572.90	5,349.16	4,929.68	16.58	98.20	-10.96	556.64	4,075.01	3,963.07	3,878.48	84.60	46.847		
3,700.00	3,672.01	5,425.70	4,997.47	17.04	100.23	-11.40	577.03	4,045.92	3,915.88	3,829.00	86.89	45.068		
3,800.00	3,771.12	3,800.00	5,119.36	17.50	57.40	-12.18	611.50	3,992.94	3,868.35	3,808.38	59.97	64.506		
3,900.00	3,870.23	5,661.97	5,207.48	17.95	106.39	-12.72	633.76	3,953.83	3,820.01	3,727.58	92.43	41.328		
4,000.00	3,969.34	5,700.00	5,241.71	18.41	107.36	-12.91	641.16	3,938.99	3,772.34	3,678.25	94.09	40.094		
4,100.00	4,068.45	5,753.20	5,289.99	18.87	108.51	-13.16	650.81	3,918.82	3,725.65	3,629.87	95.78	38.898		
4,200.00	4,167.56	4,200.00	5,483.37	19.33	68.71	-14.23	688.99	3,837.46	3,679.62	3,607.74	71.88	51.188		
4,300.00	4,266.67	6,034.84	5,544.44	19.79	115.11	-14.60	701.81	3,809.62	3,630.75	3,529.77	100.98	35.955		
4,400.00	4,365.78	6,063.58	5,570.45	20.25	115.78	-14.74	706.61	3,798.37	3,583.20	3,480.61	102.59	34.926		
4,500.00	4,464.89	6,100.00	5,603.82	20.71	116.64	-14.91	711.99	3,784.80	3,537.16	3,432.90	104.26	33.925		
4,600.00	4,564.00	6,100.00	5,603.82	21.17	116.64	-14.91	711.99	3,784.80	3,492.82	3,387.21	105.62	33.070		
4,700.00	4,663.11	6,145.24	5,645.86	21.63	117.34	-15.11	717.80	3,769.18	3,449.81	3,342.68	107.13	32.203		
4,800.00	4,762.22	6,200.00	5,697.61	22.09	118.19	-15.32	723.78	3,752.28	3,409.10	3,300.44	108.65	31.376		
4,900.00	4,861.33	6,200.00	5,697.61	22.56	118.19	-15.32	723.78	3,752.28	3,369.35	3,259.39	109.96	30.641		
5,000.00	4,960.44	6,233.89	5,730.03	23.02	118.50	-15.44	726.65	3,742.87	3,331.70	3,220.46	111.23	29.952		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	6,270.47	5,765.33	23.48	118.83	-15.54	728.74	3,733.50	3,295.64	3,183.17	112.47	29.303		
5,200.00	5,158.66	6,300.00	5,794.01	23.94	119.10	-15.61	729.64	3,726.54	3,261.23	3,147.56	113.67	28.691		
5,300.00	5,257.77	6,340.70	5,833.78	24.40	119.30	-15.68	730.15	3,717.86	3,228.49	3,113.78	114.71	28.144		
5,400.00	5,356.88	6,400.00	5,892.08	24.87	119.59	-15.77	729.93	3,707.07	3,197.84	3,082.17	115.67	27.647		
5,500.00	5,455.99	6,400.00	5,892.08	25.33	119.59	-15.77	729.93	3,707.07	3,168.50	3,051.74	116.76	27.136		
5,600.00	5,555.10	6,444.98	5,936.54	25.79	119.71	-15.82	729.42	3,700.27	3,141.21	3,023.55	117.66	26.698		
5,700.00	5,654.21	6,500.00	5,991.12	26.25	119.86	-15.88	729.07	3,693.42	3,115.99	2,997.48	118.51	26.294		
5,800.00	5,753.32	6,500.00	5,991.12	26.72	119.86	-15.88	729.07	3,693.42	3,092.47	2,973.03	119.43	25.893		
5,900.00	5,852.43	6,541.37	6,032.31	27.18	119.93	-15.93	729.10	3,689.52	3,071.07	2,950.84	120.23	25.544		
6,000.00	5,951.54	6,600.00	6,090.84	27.64	120.02	-16.00	729.84	3,686.21	3,052.48	2,931.50	120.98	25.231		
6,100.00	6,050.65	6,600.00	6,090.84	28.11	120.02	-16.00	729.84	3,686.21	3,035.13	2,913.43	121.70	24.939		
6,200.00	6,149.76	6,664.40	6,155.20	28.57	120.09	-16.07	730.91	3,684.38	3,019.99	2,897.60	122.39	24.676		
6,300.00	6,248.87	6,744.81	6,235.60	29.03	120.17	-16.15	731.78	3,683.00	3,005.79	2,882.73	123.06	24.425		
6,400.00	6,347.98	6,846.49	6,337.26	29.50	120.27	-16.25	732.78	3,681.47	2,991.80	2,868.05	123.75	24.176		
6,475.54	6,422.84	6,927.82	6,418.57	29.85	120.35	-16.33	733.45	3,680.09	2,981.06	2,856.78	124.27	23.988		
6,500.00	6,447.14	6,953.19	6,443.93	29.96	120.38	-17.66	733.67	3,679.62	2,978.01	2,853.57	124.44	23.931		
6,550.00	6,497.05	7,005.32	6,496.06	30.17	120.43	-38.69	734.21	3,678.61	2,974.59	2,849.83	124.76	23.842		
6,569.41	6,516.46	7,022.05	6,512.78	30.25	120.45	-163.72	734.41	3,678.29	2,974.29	2,849.42	124.87	23.819 CC, ES		
6,600.00	6,547.02	7,049.58	6,540.30	30.37	120.48	174.36	734.78	3,677.76	2,975.02	2,849.99	125.04	23.793		
6,650.00	6,596.75	7,094.41	6,585.12	30.55	120.52	170.25	735.51	3,676.93	2,979.37	2,854.09	125.28	23.782 SF		
6,700.00	6,645.93	7,146.15	6,636.84	30.74	120.58	168.95	736.53	3,675.96	2,987.53	2,862.03	125.50	23.804		
6,750.00	6,694.25	7,198.14	6,688.80	30.93	120.63	168.18	737.75	3,674.88	2,999.39	2,873.69	125.70	23.862		
6,800.00	6,741.43	7,252.17	6,742.80	31.12	120.70	167.57	739.06	3,673.64	3,014.84	2,888.97	125.87	23.952		
6,850.00	6,787.16	7,304.84	6,795.45	31.32	120.75	167.00	740.20	3,672.36	3,033.77	2,907.77	126.00	24.077		
6,900.00	6,831.16	7,346.32	6,836.90	31.52	120.80	166.37	741.04	3,671.34	3,056.16	2,930.06	126.09	24.237		
6,950.00	6,873.17	7,386.75	6,877.32	31.74	120.85	165.67	741.84	3,670.39	3,081.91	2,955.76	126.15	24.431		
7,000.00	6,912.92	7,424.73	6,915.28	31.96	120.89	164.85	742.56	3,669.53	3,110.86	2,984.69	126.17	24.656		
7,050.00	6,950.18	7,460.17	6,950.71	32.21	120.93	163.88	743.13	3,668.78	3,142.85	3,016.69	126.16	24.911		
7,100.00	6,984.70	7,493.04	6,983.57	32.48	120.97	162.68	743.59	3,668.13	3,177.68	3,051.55	126.13	25.194		
7,150.00	7,016.29	7,520.79	7,011.31	32.77	121.00	161.18	743.92	3,667.63	3,215.13	3,089.08	126.06	25.505		
7,200.00	7,044.73	7,545.15	7,035.66	33.10	121.02	159.27	744.23	3,667.22	3,255.00	3,129.03	125.97	25.840		
7,250.00	7,069.86	7,566.67	7,057.18	33.46	121.05	156.79	744.51	3,666.88	3,297.01	3,171.16	125.86	26.197		
7,300.00	7,091.53	7,585.23	7,075.74	33.86	121.07	153.47	744.76	3,666.62	3,340.92	3,215.19	125.73	26.572		
7,350.00	7,109.59	7,600.92	7,091.42	34.30	121.09	148.89	744.97	3,666.41	3,386.42	3,260.83	125.59	26.965		
7,400.00	7,123.94	7,616.19	7,106.70	34.78	121.10	142.41	745.16	3,666.21	3,433.23	3,307.80	125.44	27.370		
7,450.00	7,134.49	7,627.58	7,118.08	35.29	121.11	132.76	745.29	3,666.07	3,481.06	3,355.78	125.28	27.786		
7,500.00	7,141.18	7,635.01	7,125.51	35.84	121.12	118.22	745.37	3,665.98	3,529.61	3,404.49	125.12	28.211		
7,550.00	7,143.95	7,638.45	7,128.94	36.42	121.13	97.76	745.40	3,665.94	3,578.57	3,453.63	124.95	28.640		
7,567.79	7,144.00	7,638.70	7,129.20	36.63	121.13	89.50	745.40	3,665.94	3,596.04	3,471.15	124.89	28.794		
7,600.00	7,143.62	7,638.71	7,129.21	37.03	121.13	89.50	745.40	3,665.94	3,627.68	3,502.90	124.78	29.072		
7,700.00	7,142.46	7,638.73	7,129.23	38.38	121.13	89.51	745.40	3,665.94	3,725.96	3,601.50	124.47	29.935		
7,800.00	7,141.29	7,638.75	7,129.25	39.88	121.13	89.51	745.40	3,665.94	3,824.34	3,700.16	124.17	30.798		
7,900.00	7,140.13	7,638.78	7,129.28	41.53	121.13	89.51	745.40	3,665.93	3,922.79	3,798.89	123.90	31.661		
8,000.00	7,138.97	7,638.80	7,129.30	43.30	121.13	89.51	745.40	3,665.93	4,021.32	3,897.68	123.64	32.523		
8,100.00	7,137.80	7,638.82	7,129.32	45.18	121.13	89.51	745.41	3,665.93	4,119.93	3,996.52	123.40	33.386		
8,200.00	7,136.64	7,638.84	7,129.34	47.16	121.13	89.52	745.41	3,665.93	4,218.59	4,095.41	123.18	34.247		
8,300.00	7,135.48	7,638.86	7,129.36	49.22	121.13	89.52	745.41	3,665.93	4,317.32	4,194.35	122.97	35.109		
8,400.00	7,134.32	7,638.89	7,129.38	51.36	121.13	89.52	745.41	3,665.93	4,416.11	4,293.34	122.77	35.970		
8,500.00	7,133.15	7,638.91	7,129.41	53.56	121.13	89.52	745.41	3,665.93	4,514.95	4,392.36	122.59	36.830		
8,600.00	7,131.99	7,638.93	7,129.43	55.82	121.13	89.52	745.41	3,665.93	4,613.84	4,491.42	122.41	37.690		
8,700.00	7,130.83	7,638.95	7,129.45	58.13	121.13	89.52	745.41	3,665.93	4,712.78	4,590.52	122.25	38.550		
8,800.00	7,129.66	7,638.97	7,129.47	60.49	121.13	89.53	745.41	3,665.93	4,811.76	4,689.66	122.10	39.409		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,638.99	7,129.49	62.89	121.13	89.53	745.41	3,665.93	4,910.78	4,788.82	121.96	40.267		
9,000.00	7,127.34	7,639.01	7,129.51	65.32	121.13	89.53	745.41	3,665.93	5,009.84	4,888.02	121.82	41.125		
9,100.00	7,126.17	7,639.03	7,129.53	67.79	121.13	89.53	745.41	3,665.93	5,108.94	4,987.24	121.69	41.982		
9,200.00	7,125.01	7,639.06	7,129.55	70.28	121.13	89.53	745.41	3,665.93	5,208.07	5,086.49	121.57	42.839		
9,300.00	7,123.85	7,639.08	7,129.58	72.80	121.13	89.54	745.41	3,665.93	5,307.23	5,185.77	121.46	43.695		
9,400.00	7,122.68	7,639.10	7,129.60	75.34	121.13	89.54	745.41	3,665.93	5,406.43	5,285.07	121.36	44.550		
9,500.00	7,121.52	7,639.12	7,129.62	77.91	121.13	89.54	745.41	3,665.93	5,505.65	5,384.40	121.26	45.405		
9,600.00	7,120.36	7,639.14	7,129.64	80.49	121.13	89.54	745.41	3,665.93	5,604.90	5,483.74	121.16	46.259		
9,700.00	7,119.19	7,639.16	7,129.66	83.09	121.13	89.54	745.41	3,665.93	5,704.18	5,583.11	121.08	47.112		
9,800.00	7,118.03	7,639.18	7,129.68	85.70	121.13	89.54	745.41	3,665.93	5,803.49	5,682.49	121.00	47.964		
9,900.00	7,116.87	7,639.20	7,129.70	88.33	121.13	89.55	745.41	3,665.93	5,902.81	5,781.89	120.92	48.816		
10,000.00	7,115.70	7,639.22	7,129.72	90.98	121.13	89.55	745.41	3,665.93	6,002.16	5,881.31	120.85	49.667		
10,100.00	7,114.54	7,639.24	7,129.74	93.63	121.13	89.55	745.41	3,665.93	6,101.53	5,980.75	120.78	50.517		
10,200.00	7,113.38	7,639.26	7,129.76	96.29	121.13	89.55	745.41	3,665.93	6,200.92	6,080.20	120.72	51.366		
10,300.00	7,112.21	7,639.28	7,129.78	98.97	121.13	89.55	745.41	3,665.93	6,300.33	6,179.67	120.66	52.215		
10,400.00	7,111.05	7,639.30	7,129.80	101.65	121.13	89.55	745.41	3,665.93	6,399.76	6,279.15	120.61	53.062		
10,500.00	7,109.89	7,639.32	7,129.82	104.34	121.13	89.56	745.41	3,665.93	6,499.20	6,378.65	120.56	53.909		
10,600.00	7,108.72	7,639.34	7,129.84	107.04	121.13	89.56	745.41	3,665.93	6,598.67	6,478.15	120.51	54.755		
10,700.00	7,107.56	7,639.36	7,129.86	109.75	121.13	89.56	745.41	3,665.93	6,698.15	6,577.67	120.47	55.600		
10,800.00	7,106.40	7,639.38	7,129.88	112.47	121.13	89.56	745.41	3,665.93	6,797.64	6,677.21	120.43	56.444		
10,900.00	7,105.24	7,639.40	7,129.90	115.19	121.13	89.56	745.41	3,665.93	6,897.15	6,776.75	120.40	57.287		
11,000.00	7,104.07	7,639.42	7,129.92	117.91	121.13	89.56	745.41	3,665.93	6,996.67	6,876.30	120.37	58.129		
11,100.00	7,102.91	7,639.44	7,129.94	120.64	121.13	89.57	745.41	3,665.93	7,096.21	6,975.87	120.34	58.970		
11,200.00	7,101.75	7,639.46	7,129.96	123.38	121.13	89.57	745.41	3,665.93	7,195.75	7,075.44	120.31	59.810		
11,300.00	7,100.58	7,639.48	7,129.98	126.12	121.13	89.57	745.41	3,665.93	7,295.32	7,175.03	120.29	60.649		
11,400.00	7,099.42	7,639.50	7,130.00	128.87	121.13	89.57	745.41	3,665.93	7,394.89	7,274.62	120.27	61.486		
11,500.00	7,098.26	7,639.52	7,130.02	131.62	121.13	89.57	745.41	3,665.93	7,494.47	7,374.22	120.25	62.323		
11,600.00	7,097.09	7,639.54	7,130.04	134.37	121.13	89.57	745.41	3,665.93	7,594.07	7,473.83	120.24	63.159		
11,700.00	7,095.93	7,639.56	7,130.06	137.13	121.13	89.58	745.41	3,665.93	7,693.67	7,573.45	120.23	63.994		
11,800.00	7,094.77	7,639.58	7,130.08	139.89	121.13	89.58	745.41	3,665.92	7,793.29	7,673.07	120.22	64.827		
11,900.00	7,093.60	7,639.60	7,130.10	142.65	121.13	89.58	745.41	3,665.92	7,892.91	7,772.70	120.21	65.660		
12,000.00	7,092.44	7,639.62	7,130.12	145.42	121.13	89.58	745.41	3,665.92	7,992.55	7,872.34	120.21	66.491		
12,100.00	7,091.28	7,639.64	7,130.14	148.19	121.13	89.58	745.41	3,665.92	8,092.19	7,971.99	120.20	67.321		
12,200.00	7,090.11	7,639.66	7,130.16	150.96	121.13	89.58	745.41	3,665.92	8,191.85	8,071.64	120.20	68.150		
12,300.00	7,088.95	7,639.68	7,130.18	153.74	121.13	89.59	745.41	3,665.92	8,291.51	8,171.30	120.21	68.978		
12,400.00	7,087.79	7,639.70	7,130.20	156.52	121.13	89.59	745.41	3,665.92	8,391.17	8,270.96	120.21	69.804		
12,500.00	7,086.62	7,639.72	7,130.21	159.30	121.13	89.59	745.41	3,665.92	8,490.85	8,370.64	120.22	70.630		
12,600.00	7,085.46	7,639.73	7,130.23	162.08	121.13	89.59	745.41	3,665.92	8,590.54	8,470.31	120.23	71.454		
12,700.00	7,084.30	7,639.75	7,130.25	164.86	121.13	89.59	745.41	3,665.92	8,690.23	8,569.99	120.24	72.277		
12,800.00	7,083.13	7,639.77	7,130.27	167.65	121.13	89.59	745.41	3,665.92	8,789.93	8,669.68	120.25	73.098		
12,900.00	7,081.97	7,639.79	7,130.29	170.44	121.13	89.60	745.41	3,665.92	8,889.63	8,769.37	120.26	73.918		
13,000.00	7,080.81	7,639.81	7,130.31	173.23	121.13	89.60	745.41	3,665.92	8,989.34	8,869.06	120.28	74.737		
13,100.00	7,079.64	7,639.83	7,130.33	176.02	121.13	89.60	745.41	3,665.92	9,089.06	8,968.76	120.30	75.555		
13,200.00	7,078.48	7,639.85	7,130.35	178.81	121.13	89.60	745.41	3,665.92	9,188.79	9,068.47	120.32	76.371		
13,300.00	7,077.32	7,639.87	7,130.36	181.61	121.13	89.60	745.41	3,665.92	9,288.52	9,168.18	120.34	77.187		
13,400.00	7,076.16	7,639.88	7,130.38	184.40	121.13	89.60	745.41	3,665.92	9,388.25	9,267.89	120.36	78.000		
13,500.00	7,074.99	7,639.90	7,130.40	187.20	121.13	89.61	745.42	3,665.92	9,487.99	9,367.61	120.39	78.813		
13,600.00	7,073.83	7,639.92	7,130.42	190.00	121.13	89.61	745.42	3,665.92	9,587.74	9,467.33	120.41	79.624		
13,700.00	7,072.67	7,639.94	7,130.44	192.80	121.13	89.61	745.42	3,665.92	9,687.49	9,567.05	120.44	80.433		
13,800.00	7,071.50	7,639.96	7,130.46	195.60	121.13	89.61	745.42	3,665.92	9,787.25	9,666.78	120.47	81.241		
13,900.00	7,070.34	7,639.98	7,130.48	198.41	121.13	89.61	745.42	3,665.92	9,887.01	9,766.51	120.50	82.048		
14,000.00	7,069.18	7,639.99	7,130.49	201.21	121.13	89.61	745.42	3,665.92	9,986.78	9,866.24	120.54	82.853		

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 33C-6-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 33C-6-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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	96.70	-656.92	5,591.58	5,630.26					
100.00	100.00	1,415.03	1,398.13	3.28	9.52	96.39	-606.62	5,420.26	5,618.24	5,607.64	10.60	530.134		
200.00	200.00	1,935.49	1,898.78	3.34	14.98	96.56	-607.03	5,278.93	5,594.09	5,581.10	12.99	430.805		
300.00	300.00	2,246.25	2,191.34	3.44	19.75	96.75	-612.80	5,174.42	5,560.48	5,545.88	14.60	380.777		
400.00	399.98	2,300.00	2,241.76	3.60	20.66	5.35	-612.38	5,155.80	5,524.32	5,509.36	14.96	369.280		
500.00	499.84	2,342.99	2,282.23	3.80	21.32	5.44	-611.57	5,141.29	5,485.68	5,470.37	15.30	358.470		
600.00	599.45	2,951.28	2,846.09	4.04	33.22	5.71	-593.53	4,915.77	5,444.00	5,425.48	18.52	293.943		
682.50	681.36	3,000.00	2,890.37	4.26	34.45	5.84	-592.35	4,895.49	5,400.94	5,382.01	18.93	285.351		
700.00	698.71	700.00	2,925.86	4.32	23.76	5.85	-590.97	4,879.00	5,391.45	5,381.95	9.51	567.077		
800.00	797.82	3,135.69	3,013.23	4.62	37.85	5.89	-587.40	4,838.13	5,337.33	5,317.49	19.84	268.973		
900.00	896.93	3,169.04	3,043.50	4.95	38.69	5.90	-586.14	4,824.16	5,283.67	5,263.44	20.23	261.200		
1,000.00	996.04	3,200.00	3,071.71	5.30	39.46	5.91	-585.05	4,811.46	5,230.83	5,210.20	20.63	253.546		
1,100.00	1,095.15	3,235.27	3,103.99	5.67	40.23	5.92	-583.79	4,797.31	5,178.83	5,157.75	21.08	245.707		
1,200.00	1,194.26	3,268.28	3,134.34	6.05	40.95	5.93	-582.52	4,784.40	5,127.71	5,106.18	21.54	238.093		
1,300.00	1,293.37	3,300.00	3,163.64	6.45	41.64	5.94	-581.20	4,772.31	5,077.49	5,055.47	22.01	230.678		
1,400.00	1,392.48	3,349.21	3,209.25	6.85	42.59	5.96	-579.68	4,753.89	5,028.04	5,005.45	22.59	222.595		
1,500.00	1,491.59	3,400.00	3,256.45	7.26	43.58	6.00	-579.35	4,735.15	4,979.29	4,956.10	23.19	214.717		
1,600.00	1,590.70	3,400.00	3,256.45	7.68	43.58	6.00	-579.35	4,735.15	4,931.61	4,908.04	23.57	209.220		
1,700.00	1,689.81	3,448.21	3,301.52	8.10	44.38	6.04	-579.75	4,718.04	4,884.68	4,860.48	24.19	201.894		
1,800.00	1,788.92	3,500.00	3,350.37	8.53	45.24	6.09	-580.38	4,700.87	4,839.33	4,814.48	24.85	194.775		
1,900.00	1,888.03	3,500.00	3,350.37	8.96	45.24	6.09	-580.38	4,700.87	4,794.67	4,769.40	25.27	189.768		
2,000.00	1,987.14	3,500.00	3,350.37	9.39	45.24	6.09	-580.38	4,700.87	4,751.69	4,725.99	25.70	184.926		
2,100.00	2,086.25	3,543.97	3,392.26	9.83	45.76	6.12	-580.50	4,687.50	4,709.60	4,683.29	26.32	178.940		
2,200.00	2,185.36	3,600.00	3,446.19	10.27	46.42	6.14	-579.15	4,672.40	4,669.54	4,642.54	27.00	172.949		
2,300.00	2,284.47	3,600.00	3,446.19	10.71	46.42	6.14	-579.15	4,672.40	4,629.91	4,602.46	27.45	168.670		
2,400.00	2,383.58	4,200.00	4,015.19	11.15	54.98	6.38	-563.15	4,485.41	4,587.15	4,556.85	30.31	151.364		
2,500.00	2,482.69	4,243.46	4,055.60	11.60	55.76	6.42	-562.78	4,469.42	4,538.73	4,507.76	30.97	146.553		
2,600.00	2,581.80	4,300.00	4,108.60	12.05	56.77	6.46	-562.23	4,449.76	4,491.72	4,460.03	31.69	141.725		
2,700.00	2,680.91	4,324.61	4,131.77	12.50	57.18	6.48	-562.01	4,441.44	4,445.38	4,413.08	32.29	137.652		
2,800.00	2,780.02	4,526.36	4,320.57	12.95	60.70	6.66	-561.87	4,370.38	4,398.34	4,364.73	33.61	130.863		
2,900.00	2,879.13	4,733.68	4,512.56	13.40	64.86	6.89	-562.87	4,292.14	4,349.10	4,314.13	34.97	124.370		
3,000.00	2,978.24	4,826.76	4,598.16	13.85	66.87	6.99	-562.69	4,255.59	4,298.28	4,262.41	35.88	119.810		
3,100.00	3,077.35	4,881.23	4,648.37	14.30	68.02	7.05	-562.28	4,234.49	4,247.91	4,211.28	36.64	115.948		
3,200.00	3,176.46	4,962.33	4,723.32	14.76	69.71	7.12	-561.38	4,203.52	4,198.02	4,160.52	37.49	111.964		
3,300.00	3,275.57	5,080.12	4,832.00	15.21	72.19	7.25	-560.33	4,158.13	4,147.86	4,109.37	38.49	107.758		
3,400.00	3,374.68	5,235.66	4,974.52	15.67	75.71	7.43	-559.92	4,095.83	4,096.19	4,056.54	39.65	103.321		
3,500.00	3,473.79	5,300.00	5,033.36	16.12	77.21	7.51	-559.86	4,069.80	4,044.36	4,003.87	40.48	99.906		
3,600.00	3,572.90	5,300.00	5,033.36	16.58	77.21	7.51	-559.86	4,069.80	3,993.71	3,952.62	41.09	97.183		
3,700.00	3,672.01	5,346.00	5,075.75	17.04	78.11	7.58	-560.04	4,051.95	3,943.93	3,902.05	41.87	94.189		
3,800.00	3,771.12	5,400.00	5,126.23	17.50	79.16	7.65	-560.49	4,032.77	3,896.30	3,853.62	42.68	91.281		
3,900.00	3,870.23	5,400.00	5,126.23	17.95	79.16	7.65	-560.49	4,032.77	3,849.24	3,805.94	43.31	88.885		
4,000.00	3,969.34	5,400.00	5,126.23	18.41	79.16	7.65	-560.49	4,032.77	3,804.23	3,760.31	43.92	86.615		
4,100.00	4,068.45	5,460.32	5,183.25	18.87	80.03	7.73	-561.11	4,013.12	3,760.14	3,715.39	44.75	84.028		
4,200.00	4,167.56	5,500.00	5,221.01	19.33	80.60	7.78	-561.51	4,000.93	3,717.54	3,672.03	45.51	81.694		
4,300.00	4,266.67	5,550.51	5,269.27	19.79	81.21	7.84	-561.99	3,986.02	3,676.06	3,629.77	46.29	79.410		
4,400.00	4,365.78	5,612.14	5,328.32	20.25	81.95	7.92	-562.57	3,968.40	3,635.48	3,588.35	47.12	77.152		
4,500.00	4,464.89	5,723.17	5,434.65	20.71	83.25	8.08	-564.66	3,936.51	3,594.94	3,546.80	48.14	74.678		
4,600.00	4,564.00	5,815.83	5,523.27	21.17	84.36	8.22	-566.44	3,909.51	3,554.04	3,504.94	49.10	72.382		
4,700.00	4,663.11	5,873.74	5,578.76	21.63	85.03	8.30	-567.42	3,892.98	3,513.69	3,463.75	49.94	70.359		
4,800.00	4,762.22	5,925.39	5,628.40	22.09	85.59	8.38	-568.26	3,878.73	3,474.26	3,423.51	50.75	68.455		
4,900.00	4,861.33	5,972.02	5,673.39	22.56	86.06	8.44	-568.92	3,866.47	3,436.02	3,384.48	51.54	66.663		
5,000.00	4,960.44	6,000.00	5,700.46	23.02	86.34	8.48	-569.26	3,859.41	3,399.13	3,346.86	52.27	65.035		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	6,053.98	5,752.90	23.48	86.76	8.55	-569.79	3,846.63	3,363.52	3,310.47	53.06	63.394		
5,200.00	5,158.66	6,100.00	5,797.83	23.94	87.11	8.60	-570.10	3,836.71	3,329.56	3,275.74	53.82	61.866		
5,300.00	5,257.77	6,100.00	5,797.83	24.40	87.11	8.60	-570.10	3,836.71	3,297.50	3,243.10	54.40	60.613		
5,400.00	5,356.88	6,152.50	5,849.40	24.87	87.38	8.66	-570.39	3,826.86	3,266.82	3,211.67	55.15	59.239		
5,500.00	5,455.99	6,200.00	5,896.34	25.33	87.62	8.70	-570.66	3,819.59	3,238.51	3,182.65	55.87	57.970		
5,600.00	5,555.10	6,200.00	5,896.34	25.79	87.62	8.70	-570.66	3,819.59	3,211.93	3,155.54	56.39	56.964		
5,700.00	5,654.21	6,253.61	5,949.53	26.25	87.77	8.75	-570.89	3,812.98	3,187.13	3,130.05	57.08	55.836		
5,800.00	5,753.32	6,300.00	5,995.69	26.72	87.90	8.78	-570.97	3,808.37	3,164.22	3,106.48	57.74	54.805		
5,900.00	5,852.43	6,342.45	6,038.00	27.18	87.99	8.81	-570.98	3,804.88	3,142.93	3,084.58	58.35	53.863		
6,000.00	5,951.54	6,400.00	6,095.42	27.64	88.10	8.85	-570.95	3,800.97	3,123.10	3,064.08	59.02	52.920		
6,100.00	6,050.65	6,451.14	6,146.48	28.11	88.18	8.87	-570.86	3,798.23	3,104.63	3,044.99	59.63	52.061		
6,200.00	6,149.76	6,511.66	6,206.95	28.57	88.27	8.90	-570.62	3,795.81	3,087.49	3,027.20	60.28	51.217		
6,300.00	6,248.87	6,595.30	6,290.55	29.03	88.39	8.93	-569.86	3,793.21	3,071.14	3,010.12	61.02	50.329		
6,400.00	6,347.98	6,663.98	6,359.21	29.50	88.49	8.94	-568.97	3,791.61	3,055.50	2,993.82	61.68	49.535		
6,475.54	6,422.84	6,717.41	6,412.62	29.85	88.56	8.95	-568.25	3,790.86	3,044.35	2,982.16	62.19	48.955		
6,500.00	6,447.14	6,736.37	6,431.58	29.96	88.58	7.53	-568.01	3,790.67	3,041.29	2,978.93	62.35	48.775		
6,550.00	6,497.05	6,775.34	6,470.55	30.17	88.64	-13.60	-567.56	3,790.38	3,038.01	2,975.33	62.68	48.466		
6,565.78	6,512.83	6,787.67	6,482.88	30.24	88.65	-124.75	-567.42	3,790.31	3,037.81	2,975.03	62.78	48.388 CC, ES		
6,600.00	6,547.02	6,816.90	6,512.11	30.37	88.69	-160.53	-567.14	3,790.20	3,038.75	2,975.75	63.00	48.234		
6,650.00	6,596.75	6,862.54	6,557.75	30.55	88.75	-164.49	-566.88	3,790.05	3,043.40	2,980.09	63.31	48.071		
6,700.00	6,645.93	6,912.28	6,607.49	30.74	88.82	-165.51	-566.86	3,789.90	3,051.92	2,988.29	63.63	47.967		
6,750.00	6,694.25	6,983.32	6,678.52	30.93	88.92	-165.89	-566.95	3,789.34	3,063.97	2,999.94	64.03	47.853 SF		
6,800.00	6,741.43	7,036.14	6,731.34	31.12	88.99	-165.96	-567.00	3,788.65	3,079.46	3,015.14	64.33	47.872		
6,850.00	6,787.16	7,082.28	6,777.47	31.32	89.05	-165.83	-567.02	3,788.04	3,098.54	3,033.96	64.58	47.983		
6,900.00	6,831.16	7,121.90	6,817.09	31.52	89.11	-165.54	-567.04	3,787.53	3,121.11	3,056.34	64.78	48.183		
6,950.00	6,873.17	7,156.65	6,851.84	31.74	89.16	-165.08	-567.11	3,787.15	3,147.13	3,082.19	64.94	48.465		
7,000.00	6,912.92	7,189.48	6,884.66	31.96	89.20	-164.46	-567.24	3,786.86	3,176.42	3,111.35	65.07	48.813		
7,050.00	6,950.18	7,222.72	6,917.90	32.21	89.25	-163.65	-567.42	3,786.63	3,208.79	3,143.59	65.20	49.214		
7,100.00	6,984.70	7,254.71	6,949.89	32.48	89.30	-162.61	-567.58	3,786.44	3,243.99	3,178.68	65.31	49.669		
7,150.00	7,016.29	7,283.95	6,979.13	32.77	89.34	-161.27	-567.73	3,786.29	3,281.80	3,216.40	65.40	50.180		
7,200.00	7,044.73	7,310.61	7,005.79	33.10	89.38	-159.52	-567.86	3,786.17	3,321.98	3,256.51	65.47	50.740		
7,250.00	7,069.86	7,334.62	7,029.80	33.46	89.41	-157.21	-567.97	3,786.07	3,364.27	3,298.75	65.53	51.343		
7,300.00	7,091.53	7,355.31	7,050.50	33.86	89.44	-154.08	-568.06	3,786.00	3,408.42	3,342.86	65.56	51.988		
7,350.00	7,109.59	7,372.57	7,067.75	34.30	89.46	-149.68	-568.12	3,785.95	3,454.14	3,388.56	65.58	52.669		
7,400.00	7,123.94	7,386.29	7,081.47	34.78	89.48	-143.24	-568.18	3,785.91	3,501.15	3,435.56	65.59	53.381		
7,450.00	7,134.49	7,396.40	7,091.58	35.29	89.50	-133.41	-568.22	3,785.88	3,549.17	3,483.59	65.58	54.119		
7,500.00	7,141.18	7,402.86	7,098.04	35.84	89.51	-118.06	-568.24	3,785.86	3,597.88	3,532.32	65.56	54.876		
7,550.00	7,143.95	7,405.63	7,100.81	36.42	89.51	-95.84	-568.25	3,785.86	3,647.00	3,581.46	65.54	55.646		
7,567.79	7,144.00	7,405.71	7,100.89	36.63	89.51	-86.86	-568.25	3,785.86	3,664.52	3,598.99	65.53	55.922		
7,600.00	7,143.62	7,405.43	7,100.61	37.03	89.51	-86.83	-568.25	3,785.86	3,696.24	3,630.73	65.51	56.423		
7,700.00	7,142.46	7,404.57	7,099.75	38.38	89.51	-86.75	-568.24	3,785.86	3,794.77	3,729.31	65.46	57.973		
7,800.00	7,141.29	7,403.70	7,098.88	39.88	89.51	-86.68	-568.24	3,785.86	3,893.37	3,827.95	65.42	59.516		
7,900.00	7,140.13	7,402.84	7,098.02	41.53	89.51	-86.60	-568.24	3,785.86	3,992.05	3,926.66	65.39	61.051		
8,000.00	7,138.97	7,401.99	7,097.17	43.30	89.51	-86.52	-568.24	3,785.87	4,090.78	4,025.42	65.37	62.580		
8,100.00	7,137.80	7,401.13	7,096.31	45.18	89.51	-86.45	-568.23	3,785.87	4,189.58	4,124.22	65.36	64.101		
8,200.00	7,136.64	7,400.28	7,095.46	47.16	89.50	-86.37	-568.23	3,785.87	4,288.44	4,223.08	65.36	65.617		
8,300.00	7,135.48	7,399.44	7,094.62	49.22	89.50	-86.30	-568.23	3,785.87	4,387.34	4,321.98	65.36	67.127		
8,400.00	7,134.32	7,398.60	7,093.78	51.36	89.50	-86.22	-568.22	3,785.87	4,486.30	4,420.93	65.37	68.630		
8,500.00	7,133.15	7,397.76	7,092.95	53.56	89.50	-86.15	-568.22	3,785.88	4,585.30	4,519.91	65.38	70.129		
8,600.00	7,131.99	7,396.93	7,092.11	55.82	89.50	-86.07	-568.22	3,785.88	4,684.34	4,618.93	65.40	71.621		
8,700.00	7,130.83	7,396.10	7,091.29	58.13	89.50	-86.00	-568.21	3,785.88	4,783.42	4,717.99	65.43	73.109		
8,800.00	7,129.66	7,395.28	7,090.46	60.49	89.50	-85.92	-568.21	3,785.88	4,882.54	4,817.08	65.46	74.592		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,394.46	7,089.64	62.89	89.50	-85.85	-568.21	3,785.89	4,981.69	4,916.20	65.49	76.069		
9,000.00	7,127.34	7,393.64	7,088.82	65.32	89.49	-85.78	-568.21	3,785.89	5,080.88	5,015.35	65.52	77.542		
9,100.00	7,126.17	7,392.82	7,088.00	67.79	89.49	-85.70	-568.20	3,785.89	5,180.09	5,114.53	65.56	79.010		
9,200.00	7,125.01	7,392.00	7,087.18	70.28	89.49	-85.63	-568.20	3,785.89	5,279.34	5,213.74	65.60	80.474		
9,300.00	7,123.85	7,391.19	7,086.37	72.80	89.49	-85.56	-568.20	3,785.89	5,378.62	5,312.97	65.65	81.933		
9,400.00	7,122.68	7,390.38	7,085.56	75.34	89.49	-85.49	-568.19	3,785.90	5,477.92	5,412.23	65.69	83.388		
9,500.00	7,121.52	7,389.58	7,084.76	77.91	89.49	-85.42	-568.19	3,785.90	5,577.24	5,511.50	65.74	84.839		
9,600.00	7,120.36	7,388.77	7,083.95	80.49	89.49	-85.34	-568.19	3,785.90	5,676.59	5,610.80	65.79	86.285		
9,700.00	7,119.19	7,387.97	7,083.15	83.09	89.49	-85.27	-568.18	3,785.90	5,775.96	5,710.12	65.84	87.727		
9,800.00	7,118.03	7,387.17	7,082.36	85.70	89.49	-85.20	-568.18	3,785.90	5,875.36	5,809.46	65.89	89.165		
9,900.00	7,116.87	7,386.38	7,081.56	88.33	89.48	-85.13	-568.18	3,785.91	5,974.77	5,908.82	65.95	90.599		
10,000.00	7,115.70	7,385.59	7,080.77	90.98	89.48	-85.06	-568.18	3,785.91	6,074.20	6,008.20	66.00	92.029		
10,100.00	7,114.54	7,384.80	7,079.98	93.63	89.48	-84.99	-568.17	3,785.91	6,173.65	6,107.59	66.06	93.455		
10,200.00	7,113.38	7,384.01	7,079.19	96.29	89.48	-84.92	-568.17	3,785.91	6,273.12	6,207.00	66.12	94.876		
10,300.00	7,112.21	7,383.22	7,078.41	98.97	89.48	-84.85	-568.17	3,785.92	6,372.61	6,306.43	66.18	96.294		
10,400.00	7,111.05	7,382.44	7,077.62	101.65	89.48	-84.78	-568.16	3,785.92	6,472.11	6,405.87	66.24	97.708		
10,500.00	7,109.89	7,381.66	7,076.84	104.34	89.48	-84.71	-568.16	3,785.92	6,571.62	6,505.32	66.30	99.118		
10,600.00	7,108.72	7,380.89	7,076.07	107.04	89.48	-84.64	-568.16	3,785.92	6,671.15	6,604.79	66.36	100.524		
10,700.00	7,107.56	7,380.11	7,075.29	109.75	89.48	-84.57	-568.15	3,785.92	6,770.70	6,704.27	66.43	101.927		
10,800.00	7,106.40	7,379.34	7,074.52	112.47	89.47	-84.50	-568.15	3,785.93	6,870.25	6,803.76	66.49	103.325		
10,900.00	7,105.24	7,378.57	7,073.75	115.19	89.47	-84.44	-568.15	3,785.93	6,969.82	6,903.26	66.56	104.719		
11,000.00	7,104.07	7,377.80	7,072.99	117.91	89.47	-84.37	-568.15	3,785.93	7,069.40	7,002.78	66.62	106.110		
11,100.00	7,102.91	7,377.04	7,072.22	120.64	89.47	-84.30	-568.14	3,785.93	7,169.00	7,102.30	66.69	107.497		
11,200.00	7,101.75	7,376.28	7,071.46	123.38	89.47	-84.23	-568.14	3,785.94	7,268.60	7,201.84	66.76	108.879		
11,300.00	7,100.58	7,375.52	7,070.70	126.12	89.47	-84.16	-568.14	3,785.94	7,368.21	7,301.39	66.83	110.258		
11,400.00	7,099.42	7,374.76	7,069.95	128.87	89.47	-84.10	-568.13	3,785.94	7,467.84	7,400.94	66.90	111.633		
11,500.00	7,098.26	7,374.01	7,069.19	131.62	89.47	-84.03	-568.13	3,785.94	7,567.47	7,500.51	66.97	113.004		
11,600.00	7,097.09	7,373.26	7,068.44	134.37	89.47	-83.96	-568.13	3,785.94	7,667.12	7,600.08	67.04	114.371		
11,700.00	7,095.93	7,372.51	7,067.69	137.13	89.46	-83.90	-568.12	3,785.95	7,766.77	7,699.66	67.11	115.735		
11,800.00	7,094.77	7,371.76	7,066.95	139.89	89.46	-83.83	-568.12	3,785.95	7,866.43	7,799.25	67.18	117.094		
11,900.00	7,093.60	7,371.02	7,066.20	142.65	89.46	-83.77	-568.12	3,785.95	7,966.10	7,898.85	67.25	118.449		
12,000.00	7,092.44	7,370.28	7,065.46	145.42	89.46	-83.70	-568.12	3,785.95	8,065.78	7,998.45	67.33	119.801		
12,100.00	7,091.28	7,369.54	7,064.72	148.19	89.46	-83.63	-568.11	3,785.96	8,165.47	8,098.07	67.40	121.148		
12,200.00	7,090.11	7,368.80	7,063.98	150.96	89.46	-83.57	-568.11	3,785.96	8,265.16	8,197.69	67.48	122.491		
12,300.00	7,088.95	7,368.07	7,063.25	153.74	89.46	-83.50	-568.11	3,785.96	8,364.86	8,297.31	67.55	123.831		
12,400.00	7,087.79	7,367.34	7,062.52	156.52	89.46	-83.44	-568.10	3,785.96	8,464.57	8,396.94	67.63	125.166		
12,500.00	7,086.62	7,366.61	7,061.79	159.30	89.46	-83.37	-568.10	3,785.97	8,564.28	8,496.58	67.70	126.498		
12,600.00	7,085.46	7,365.88	7,061.06	162.08	89.45	-83.31	-568.10	3,785.97	8,664.00	8,596.22	67.78	127.825		
12,700.00	7,084.30	7,365.16	7,060.34	164.86	89.45	-83.25	-568.10	3,785.97	8,763.73	8,695.87	67.86	129.149		
12,800.00	7,083.13	7,364.43	7,059.61	167.65	89.45	-83.18	-568.09	3,785.97	8,863.47	8,795.53	67.94	130.468		
12,900.00	7,081.97	7,363.71	7,058.89	170.44	89.45	-83.12	-568.09	3,785.97	8,963.21	8,895.19	68.01	131.783		
13,000.00	7,080.81	7,362.99	7,058.18	173.23	89.45	-83.05	-568.09	3,785.98	9,062.95	8,994.86	68.09	133.094		
13,100.00	7,079.64	7,362.28	7,057.46	176.02	89.45	-82.99	-568.08	3,785.98	9,162.70	9,094.53	68.17	134.401		
13,200.00	7,078.48	7,361.57	7,056.75	178.81	89.45	-82.93	-568.08	3,785.98	9,262.46	9,194.20	68.25	135.704		
13,300.00	7,077.32	7,360.86	7,056.04	181.61	89.45	-82.87	-568.08	3,785.98	9,362.22	9,293.88	68.34	137.003		
13,400.00	7,076.16	7,360.15	7,055.33	184.40	89.45	-82.80	-568.08	3,785.99	9,461.98	9,393.57	68.42	138.298		
13,500.00	7,074.99	7,359.44	7,054.62	187.20	89.45	-82.74	-568.07	3,785.99	9,561.75	9,493.25	68.50	139.588		
13,600.00	7,073.83	7,358.74	7,053.92	190.00	89.44	-82.68	-568.07	3,785.99	9,661.53	9,592.95	68.58	140.875		
13,700.00	7,072.67	7,358.03	7,053.22	192.80	89.44	-82.62	-568.07	3,785.99	9,761.31	9,692.64	68.67	142.157		
13,800.00	7,071.50	7,357.33	7,052.52	195.60	89.44	-82.55	-568.06	3,785.99	9,861.09	9,792.34	68.75	143.435		
13,900.00	7,070.34	7,356.64	7,051.82	198.41	89.44	-82.49	-568.06	3,786.00	9,960.88	9,892.05	68.83	144.709		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	96.37	-625.59	5,603.54	5,638.58					
100.00	100.00	39.99	39.99	3.28	3.28	96.37	-625.48	5,603.59	5,638.40	5,631.83	6.57	858.735		
200.00	200.00	489.01	487.97	3.34	4.00	96.14	-601.87	5,595.13	5,637.55	5,630.23	7.32	770.494		
300.00	300.00	710.99	707.37	3.44	4.99	95.84	-570.99	5,581.87	5,629.61	5,621.26	8.34	674.889		
400.00	399.98	1,275.31	1,252.86	3.60	9.14	3.09	-441.34	5,526.66	5,615.57	5,603.27	12.30	456.531		
500.00	499.84	1,397.38	1,367.68	3.80	10.36	2.73	-403.14	5,510.61	5,594.17	5,580.58	13.59	411.562		
600.00	599.45	1,505.47	1,469.51	4.04	11.40	2.41	-370.01	5,495.89	5,569.18	5,554.42	14.77	377.157		
682.50	681.36	1,563.91	1,524.69	4.26	11.94	2.25	-352.51	5,487.92	5,546.17	5,530.70	15.47	358.623		
700.00	698.71	1,576.67	1,536.76	4.32	12.06	2.22	-348.74	5,486.19	5,541.08	5,525.46	15.62	354.653		
800.00	797.82	1,659.06	1,614.82	4.62	12.79	1.97	-324.81	5,475.12	5,512.24	5,495.67	16.56	332.820		
900.00	896.93	1,731.14	1,683.26	4.95	13.41	1.76	-304.36	5,465.49	5,483.68	5,466.25	17.43	314.700		
1,000.00	996.04	1,800.00	1,748.84	5.30	13.97	1.56	-285.32	5,456.67	5,455.77	5,437.50	18.27	298.589		
1,100.00	1,095.15	1,851.93	1,798.42	5.67	14.37	1.41	-271.23	5,450.29	5,428.50	5,409.51	18.99	285.850		
1,200.00	1,194.26	1,926.29	1,869.54	6.05	14.94	1.20	-251.38	5,441.52	5,401.87	5,381.99	19.88	271.735		
1,300.00	1,293.37	2,038.33	1,976.89	6.45	15.76	0.89	-222.23	5,428.11	5,375.25	5,354.23	21.02	255.715		
1,400.00	1,392.48	2,164.69	2,097.93	6.85	16.70	0.53	-189.49	5,412.47	5,348.40	5,326.13	22.27	240.173		
1,500.00	1,491.59	2,239.79	2,169.77	7.26	17.26	0.32	-169.83	5,402.88	5,321.28	5,298.10	23.19	229.510		
1,600.00	1,590.70	2,300.00	2,227.49	7.68	17.70	0.15	-154.29	5,395.66	5,294.96	5,270.95	24.01	220.534		
1,700.00	1,689.81	2,361.23	2,286.24	8.10	18.13	-0.03	-138.52	5,388.70	5,269.33	5,244.50	24.84	212.154		
1,800.00	1,788.92	2,479.07	2,399.13	8.53	18.98	-0.38	-107.41	5,375.48	5,244.02	5,217.97	26.05	201.269		
1,900.00	1,888.03	2,616.46	2,530.25	8.96	20.02	-0.80	-69.83	5,358.96	5,217.97	5,190.53	27.45	190.108		
2,000.00	1,987.14	2,779.12	2,684.31	9.39	21.39	-1.35	-22.07	5,338.05	5,191.32	5,162.18	29.14	178.144		
2,100.00	2,086.25	2,850.46	2,751.47	9.83	22.02	-1.61	-0.05	5,328.37	5,164.02	5,133.84	30.18	171.125		
2,200.00	2,185.36	2,913.00	2,810.56	10.27	22.56	-1.83	18.80	5,320.32	5,137.51	5,106.37	31.14	164.964		
2,300.00	2,284.47	3,031.38	2,922.84	10.71	23.55	-2.23	52.99	5,304.97	5,111.14	5,078.64	32.50	157.247		
2,400.00	2,383.58	3,120.23	3,006.85	11.15	24.29	-2.55	79.38	5,293.11	5,084.57	5,050.91	33.65	151.086		
2,500.00	2,482.69	3,168.81	3,053.00	11.60	24.67	-2.71	93.25	5,286.92	5,058.74	5,024.25	34.49	146.654		
2,600.00	2,581.80	3,230.00	3,111.54	12.05	25.13	-2.91	109.53	5,279.62	5,033.82	4,998.42	35.40	142.187		
2,700.00	2,680.91	3,322.64	3,200.31	12.50	25.79	-3.21	133.69	5,268.86	5,009.36	4,972.87	36.49	137.290		
2,800.00	2,780.02	3,427.60	3,300.90	12.95	26.53	-3.54	160.89	5,256.21	4,984.62	4,946.97	37.64	132.415		
2,900.00	2,879.13	3,483.13	3,354.31	13.40	26.90	-3.71	174.64	5,249.80	4,960.49	4,922.01	38.48	128.898		
3,000.00	2,978.24	3,614.50	3,481.15	13.85	27.74	-4.10	205.30	5,234.68	4,936.52	4,896.79	39.73	124.265		
3,100.00	3,077.35	3,670.52	3,535.31	14.30	28.09	-4.26	218.10	5,228.23	4,912.64	4,872.10	40.54	121.166		
3,200.00	3,176.46	3,766.21	3,627.76	14.76	28.70	-4.55	240.43	5,217.75	4,889.43	4,847.84	41.59	117.559		
3,300.00	3,275.57	3,996.06	3,846.54	15.21	30.50	-5.37	304.06	5,187.96	4,864.16	4,820.47	43.69	111.327		
3,400.00	3,374.68	4,078.39	3,923.74	15.67	31.27	-5.71	330.22	5,176.35	4,838.54	4,793.63	44.91	107.731		
3,500.00	3,473.79	4,143.72	3,984.98	16.12	31.86	-5.98	351.09	5,167.35	4,813.44	4,767.46	45.98	104.683		
3,600.00	3,572.90	4,200.00	4,038.09	16.58	32.36	-6.21	368.21	5,159.97	4,789.14	4,742.17	46.97	101.963		
3,700.00	3,672.01	4,254.18	4,089.47	17.04	32.78	-6.42	384.06	5,153.31	4,765.74	4,717.86	47.89	99.517		
3,800.00	3,771.12	4,312.20	4,144.70	17.50	33.23	-6.64	400.57	5,146.74	4,743.35	4,694.51	48.83	97.133		
3,900.00	3,870.23	4,443.31	4,268.99	17.95	34.26	-7.17	439.51	5,131.72	4,721.17	4,670.87	50.30	93.859		
4,000.00	3,969.34	4,577.98	4,396.31	18.41	35.37	-7.72	479.99	5,114.84	4,698.14	4,646.29	51.84	90.620		
4,100.00	4,068.45	4,665.95	4,479.11	18.87	36.15	-8.09	507.42	5,103.42	4,675.05	4,621.95	53.10	88.050		
4,200.00	4,167.56	4,824.12	4,627.34	19.33	37.59	-8.80	558.25	5,081.95	4,651.80	4,596.86	54.94	84.673		
4,300.00	4,266.67	4,914.61	4,712.63	19.79	38.40	-9.19	585.54	5,069.00	4,627.90	4,571.69	56.21	82.330		
4,400.00	4,365.78	4,972.32	4,767.19	20.25	38.89	-9.43	602.61	5,061.05	4,604.65	4,547.44	57.22	80.479		
4,500.00	4,464.89	5,033.35	4,824.99	20.71	39.39	-9.69	620.47	5,053.10	4,582.30	4,524.07	58.23	78.693		
4,600.00	4,564.00	5,100.00	4,888.21	21.17	39.93	-9.97	639.92	5,044.85	4,560.75	4,501.48	59.27	76.945		
4,700.00	4,663.11	5,176.91	4,961.51	21.63	40.49	-10.28	661.34	5,035.81	4,539.84	4,479.51	60.33	75.244		
4,800.00	4,762.22	5,235.69	5,018.01	22.09	40.87	-10.50	676.24	5,029.33	4,519.56	4,458.33	61.23	73.816		
4,900.00	4,861.33	5,300.00	5,080.45	22.56	41.24	-10.72	690.34	5,023.26	4,500.36	4,438.25	62.11	72.459		
5,000.00	4,960.44	5,343.08	5,122.62	23.02	41.43	-10.84	698.46	5,019.79	4,482.10	4,419.29	62.81	71.356		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,400.00	5,178.66	23.48	41.67	-10.98	707.56	5,015.86	4,464.79	4,401.23	63.56	70.245		
5,200.00	5,158.66	5,473.06	5,250.99	23.94	41.92	-11.14	716.98	5,011.71	4,448.23	4,383.94	64.29	69.187		
5,300.00	5,257.77	5,550.22	5,327.66	24.40	42.16	-11.27	724.86	5,008.11	4,432.28	4,367.26	65.01	68.175		
5,400.00	5,356.88	5,629.28	5,406.35	24.87	42.38	-11.40	731.79	5,004.93	4,416.75	4,351.03	65.72	67.206		
5,500.00	5,455.99	5,700.00	5,476.84	25.33	42.58	-11.49	736.98	5,002.60	4,401.73	4,335.34	66.39	66.296		
5,600.00	5,555.10	5,774.51	5,551.19	25.79	42.77	-11.58	741.58	5,000.74	4,387.31	4,320.25	67.07	65.419		
5,700.00	5,654.21	5,861.08	5,637.64	26.25	42.99	-11.67	745.85	4,999.25	4,373.44	4,305.68	67.75	64.550		
5,800.00	5,753.32	5,966.82	5,743.32	26.72	43.25	-11.75	748.90	4,997.85	4,359.61	4,291.14	68.47	63.670		
5,900.00	5,852.43	6,068.79	5,845.28	27.18	43.50	-11.81	750.17	4,996.60	4,345.59	4,276.41	69.18	62.817		
6,000.00	5,951.54	6,175.80	5,952.27	27.64	43.77	-11.87	751.16	4,995.29	4,331.52	4,261.63	69.90	61.970		
6,100.00	6,050.65	6,285.93	6,062.38	28.11	44.04	-11.92	752.17	4,993.65	4,317.20	4,246.58	70.62	61.129		
6,200.00	6,149.76	6,398.20	6,174.63	28.57	44.33	-11.98	753.10	4,991.67	4,302.61	4,231.25	71.36	60.296		
6,300.00	6,248.87	6,499.84	6,276.24	29.03	44.59	-12.04	754.23	4,989.63	4,287.82	4,215.75	72.08	59.490		
6,400.00	6,347.98	6,579.78	6,356.16	29.50	44.80	-12.09	755.60	4,988.09	4,273.23	4,200.47	72.76	58.731		
6,475.54	6,422.84	6,649.12	6,425.48	29.85	44.98	-12.14	757.10	4,986.93	4,262.45	4,189.16	73.29	58.156		
6,500.00	6,447.14	6,673.09	6,449.44	29.96	45.05	-13.48	757.68	4,986.52	4,259.43	4,185.96	73.47	57.976		
6,550.00	6,497.05	6,720.89	6,497.21	30.17	45.17	-34.53	758.92	4,985.70	4,256.14	4,182.32	73.82	57.657		
6,567.01	6,514.06	6,736.58	6,512.90	30.24	45.22	-151.48	759.34	4,985.43	4,255.91	4,181.98	73.93	57.568 CC, ES		
6,600.00	6,547.02	6,767.03	6,543.33	30.37	45.30	178.51	760.15	4,984.94	4,256.76	4,182.62	74.14	57.412		
6,650.00	6,596.75	6,814.07	6,590.34	30.55	45.42	174.42	761.40	4,984.20	4,261.31	4,186.86	74.45	57.236		
6,700.00	6,645.93	6,863.34	6,639.59	30.74	45.56	173.15	762.71	4,983.44	4,269.71	4,194.96	74.75	57.118		
6,750.00	6,694.25	6,915.26	6,691.49	30.93	45.70	172.44	764.12	4,982.63	4,281.90	4,206.86	75.05	57.057		
6,800.00	6,741.43	6,976.55	6,752.73	31.12	45.87	171.90	765.99	4,981.50	4,297.70	4,222.36	75.35	57.038 SF		
6,850.00	6,787.16	7,036.06	6,812.20	31.32	46.04	171.40	768.08	4,980.15	4,316.98	4,241.35	75.63	57.078		
6,900.00	6,831.16	7,093.54	6,869.61	31.52	46.20	170.90	770.39	4,978.61	4,339.64	4,263.74	75.90	57.176		
6,950.00	6,873.17	7,136.37	6,912.38	31.74	46.32	170.33	772.32	4,977.36	4,365.59	4,289.47	76.12	57.349		
7,000.00	6,912.92	7,175.49	6,951.43	31.96	46.44	169.69	774.28	4,976.19	4,394.78	4,318.46	76.32	57.581		
7,050.00	6,950.18	7,210.08	6,985.95	32.21	46.54	168.91	776.16	4,975.14	4,427.03	4,350.53	76.50	57.871		
7,100.00	6,984.70	7,238.14	7,013.95	32.48	46.62	167.97	777.78	4,974.31	4,462.16	4,385.52	76.65	58.218		
7,150.00	7,016.29	7,263.85	7,039.61	32.77	46.70	166.80	779.36	4,973.57	4,499.97	4,423.20	76.77	58.614		
7,200.00	7,044.73	7,287.07	7,062.77	33.10	46.77	165.30	780.85	4,972.93	4,540.21	4,463.32	76.88	59.055		
7,250.00	7,069.86	7,300.00	7,075.66	33.46	46.81	163.31	781.71	4,972.58	4,582.62	4,505.66	76.95	59.552		
7,300.00	7,091.53	7,321.95	7,097.56	33.86	46.87	160.67	783.17	4,972.02	4,626.92	4,549.88	77.03	60.063		
7,350.00	7,109.59	7,334.80	7,110.38	34.30	46.91	156.89	784.02	4,971.72	4,672.85	4,595.76	77.09	60.618		
7,400.00	7,123.94	7,345.09	7,120.64	34.78	46.94	151.22	784.69	4,971.49	4,720.10	4,642.97	77.12	61.201		
7,450.00	7,134.49	7,352.78	7,128.31	35.29	46.97	142.07	785.19	4,971.33	4,768.37	4,691.22	77.15	61.806		
7,500.00	7,141.18	7,357.84	7,133.37	35.84	46.98	126.32	785.52	4,971.23	4,817.36	4,740.19	77.17	62.427		
7,550.00	7,143.95	7,360.29	7,135.80	36.42	46.99	100.12	785.68	4,971.18	4,866.76	4,789.58	77.18	63.060		
7,567.79	7,144.00	7,360.53	7,136.04	36.63	46.99	88.79	785.70	4,971.17	4,884.38	4,807.20	77.18	63.286		
7,600.00	7,143.62	7,360.66	7,136.17	37.03	46.99	88.81	785.71	4,971.17	4,916.28	4,839.10	77.18	63.697		
7,700.00	7,142.46	7,361.07	7,136.58	38.38	46.99	88.84	785.73	4,971.16	5,015.35	4,938.15	77.19	64.972		
7,800.00	7,141.29	7,361.47	7,136.98	39.88	46.99	88.87	785.76	4,971.15	5,114.45	5,037.24	77.21	66.242		
7,900.00	7,140.13	7,361.86	7,137.38	41.53	46.99	88.91	785.78	4,971.15	5,213.59	5,136.36	77.23	67.509		
8,000.00	7,138.97	7,362.25	7,137.77	43.30	46.99	88.94	785.81	4,971.14	5,312.76	5,235.51	77.25	68.773		
8,100.00	7,137.80	7,362.64	7,138.15	45.18	47.00	88.97	785.83	4,971.13	5,411.96	5,334.69	77.28	70.034		
8,200.00	7,136.64	7,363.02	7,138.53	47.16	47.00	89.01	785.86	4,971.12	5,511.20	5,433.89	77.30	71.292		
8,300.00	7,135.48	7,363.39	7,138.90	49.22	47.00	89.04	785.88	4,971.12	5,610.45	5,533.12	77.34	72.546		
8,400.00	7,134.32	7,363.76	7,139.27	51.36	47.00	89.07	785.91	4,971.11	5,709.74	5,632.37	77.37	73.798		
8,500.00	7,133.15	7,364.12	7,139.63	53.56	47.00	89.10	785.93	4,971.10	5,809.05	5,731.64	77.41	75.046		
8,600.00	7,131.99	7,364.48	7,139.99	55.82	47.00	89.13	785.95	4,971.09	5,908.38	5,830.93	77.44	76.291		
8,700.00	7,130.83	7,364.84	7,140.34	58.13	47.00	89.16	785.98	4,971.09	6,007.73	5,930.25	77.49	77.534		
8,800.00	7,129.66	7,365.19	7,140.69	60.49	47.00	89.19	786.00	4,971.08	6,107.11	6,029.58	77.53	78.774		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,365.53	7,141.04	62.89	47.00	89.22	786.02	4,971.07	6,206.50	6,128.93	77.57	80.011		
9,000.00	7,127.34	7,365.87	7,141.37	65.32	47.01	89.25	786.04	4,971.07	6,305.91	6,228.30	77.62	81.245		
9,100.00	7,126.17	7,366.21	7,141.71	67.79	47.01	89.28	786.06	4,971.06	6,405.35	6,327.68	77.66	82.476		
9,200.00	7,125.01	7,366.54	7,142.04	70.28	47.01	89.30	786.09	4,971.05	6,504.80	6,427.08	77.71	83.704		
9,300.00	7,123.85	7,366.86	7,142.37	72.80	47.01	89.33	786.11	4,971.05	6,604.26	6,526.50	77.76	84.930		
9,400.00	7,122.68	7,367.19	7,142.69	75.34	47.01	89.36	786.13	4,971.04	6,703.74	6,625.93	77.81	86.153		
9,500.00	7,121.52	7,367.51	7,143.01	77.91	47.01	89.39	786.15	4,971.04	6,803.24	6,725.38	77.86	87.373		
9,600.00	7,120.36	7,367.82	7,143.32	80.49	47.01	89.41	786.17	4,971.03	6,902.75	6,824.83	77.92	88.590		
9,700.00	7,119.19	7,368.13	7,143.63	83.09	47.01	89.44	786.19	4,971.02	7,002.28	6,924.31	77.97	89.805		
9,800.00	7,118.03	7,368.44	7,143.93	85.70	47.01	89.46	786.21	4,971.02	7,101.82	7,023.79	78.03	91.017		
9,900.00	7,116.87	7,368.74	7,144.24	88.33	47.01	89.49	786.23	4,971.01	7,201.37	7,123.28	78.08	92.226		
10,000.00	7,115.70	7,369.04	7,144.53	90.98	47.02	89.51	786.25	4,971.01	7,300.93	7,222.79	78.14	93.433		
10,100.00	7,114.54	7,369.33	7,144.83	93.63	47.02	89.54	786.27	4,971.00	7,400.51	7,322.31	78.20	94.636		
10,200.00	7,113.38	7,369.62	7,145.12	96.29	47.02	89.56	786.28	4,971.00	7,500.09	7,421.84	78.26	95.837		
10,300.00	7,112.21	7,369.91	7,145.41	98.97	47.02	89.59	786.30	4,970.99	7,599.69	7,521.37	78.32	97.035		
10,400.00	7,111.05	7,370.20	7,145.69	101.65	47.02	89.61	786.32	4,970.98	7,699.30	7,620.92	78.38	98.231		
10,500.00	7,109.89	7,370.48	7,145.97	104.34	47.02	89.64	786.34	4,970.98	7,798.92	7,720.48	78.44	99.423		
10,600.00	7,108.72	7,370.76	7,146.25	107.04	47.02	89.66	786.36	4,970.97	7,898.55	7,820.04	78.50	100.613		
10,700.00	7,107.56	7,371.03	7,146.52	109.75	47.02	89.68	786.38	4,970.97	7,998.18	7,919.62	78.57	101.800		
10,800.00	7,106.40	7,371.30	7,146.79	112.47	47.02	89.71	786.39	4,970.96	8,097.83	8,019.20	78.63	102.985		
10,900.00	7,105.24	7,371.57	7,147.06	115.19	47.02	89.73	786.41	4,970.96	8,197.48	8,118.79	78.70	104.166		
11,000.00	7,104.07	7,371.83	7,147.33	117.91	47.02	89.75	786.43	4,970.95	8,297.15	8,218.39	78.76	105.345		
11,100.00	7,102.91	7,372.10	7,147.59	120.64	47.02	89.77	786.44	4,970.95	8,396.82	8,317.99	78.83	106.521		
11,200.00	7,101.75	7,372.36	7,147.84	123.38	47.02	89.80	786.46	4,970.94	8,496.50	8,417.60	78.89	107.694		
11,300.00	7,100.58	7,372.61	7,148.10	126.12	47.03	89.82	786.48	4,970.94	8,596.18	8,517.22	78.96	108.864		
11,400.00	7,099.42	7,372.86	7,148.35	128.87	47.03	89.84	786.49	4,970.93	8,695.88	8,616.84	79.03	110.031		
11,500.00	7,098.26	7,373.11	7,148.60	131.62	47.03	89.86	786.51	4,970.93	8,795.58	8,716.48	79.10	111.196		
11,600.00	7,097.09	7,373.36	7,148.85	134.37	47.03	89.88	786.53	4,970.93	8,895.28	8,816.11	79.17	112.357		
11,700.00	7,095.93	7,373.61	7,149.09	137.13	47.03	89.90	786.54	4,970.92	8,995.00	8,915.76	79.24	113.516		
11,800.00	7,094.77	7,373.85	7,149.33	139.89	47.03	89.92	786.56	4,970.92	9,094.72	9,015.40	79.31	114.671		
11,900.00	7,093.60	7,374.09	7,149.57	142.65	47.03	89.94	786.57	4,970.91	9,194.44	9,115.06	79.38	115.824		
12,000.00	7,092.44	7,374.32	7,149.81	145.42	47.03	89.96	786.59	4,970.91	9,294.17	9,214.72	79.46	116.974		
12,100.00	7,091.28	7,374.56	7,150.04	148.19	47.03	89.98	786.60	4,970.90	9,393.91	9,314.38	79.53	118.121		
12,200.00	7,090.11	7,374.79	7,150.27	150.96	47.03	90.00	786.62	4,970.90	9,493.65	9,414.05	79.60	119.264		
12,300.00	7,088.95	7,375.02	7,150.50	153.74	47.03	90.02	786.63	4,970.89	9,593.40	9,513.73	79.68	120.405		
12,400.00	7,087.79	7,375.24	7,150.72	156.52	47.03	90.04	786.65	4,970.89	9,693.15	9,613.40	79.75	121.543		
12,500.00	7,086.62	7,375.47	7,150.95	159.30	47.03	90.06	786.66	4,970.89	9,792.91	9,713.09	79.83	122.678		
12,600.00	7,085.46	7,375.69	7,151.17	162.08	47.03	90.08	786.67	4,970.88	9,892.68	9,812.77	79.90	123.810		
12,700.00	7,084.30	7,375.91	7,151.39	164.86	47.04	90.10	786.69	4,970.88	9,992.44	9,912.47	79.98	124.938		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	96.82	-667.13	5,579.89	5,619.85					
100.00	100.00	54.01	54.01	3.28	3.28	96.82	-667.11	5,579.87	5,619.61	5,613.04	6.57	855.755		
200.00	200.00	162.03	162.03	3.34	3.30	96.82	-666.96	5,579.73	5,619.47	5,612.83	6.64	846.782		
300.00	300.00	270.06	270.06	3.44	3.33	96.81	-666.66	5,579.46	5,619.18	5,612.40	6.78	829.029		
400.00	399.98	378.05	378.04	3.60	3.38	5.32	-666.21	5,579.05	5,617.02	5,610.03	6.98	804.355		
500.00	499.84	485.87	485.87	3.80	3.45	5.33	-665.62	5,578.50	5,611.24	5,603.99	7.25	774.189		
600.00	599.45	593.39	593.38	4.04	3.53	5.35	-664.87	5,577.82	5,601.85	5,594.28	7.57	740.247		
682.50	681.36	681.76	681.75	4.26	3.61	5.37	-664.15	5,577.15	5,591.40	5,583.53	7.87	710.645		
700.00	698.71	700.47	700.45	4.32	3.62	5.37	-663.99	5,577.00	5,588.92	5,580.98	7.94	704.111		
800.00	797.82	807.33	807.31	4.62	3.73	5.37	-662.95	5,576.05	5,574.68	5,566.34	8.34	668.724		
900.00	896.93	914.15	914.12	4.95	3.85	5.38	-661.78	5,574.97	5,560.29	5,551.53	8.77	634.035		
1,000.00	996.04	1,020.93	1,020.88	5.30	3.97	5.38	-660.45	5,573.75	5,545.77	5,536.54	9.23	600.678		
1,100.00	1,095.15	1,127.67	1,127.59	5.67	4.11	5.38	-658.99	5,572.40	5,531.11	5,521.39	9.72	569.026		
1,200.00	1,194.26	1,234.35	1,234.26	6.05	4.26	5.38	-657.37	5,570.92	5,516.31	5,506.08	10.23	539.262		
1,300.00	1,293.37	1,343.75	1,343.62	6.45	4.47	5.38	-655.58	5,569.24	5,501.36	5,490.55	10.82	508.485		
1,400.00	1,392.48	1,442.54	1,442.39	6.85	4.78	5.37	-653.97	5,567.56	5,486.24	5,474.73	11.51	476.740		
1,500.00	1,491.59	1,532.19	1,532.02	7.26	5.07	5.38	-652.88	5,566.14	5,471.29	5,459.10	12.19	448.725		
1,600.00	1,590.70	1,664.43	1,664.23	7.68	5.53	5.38	-651.42	5,563.89	5,456.28	5,443.23	13.04	418.395		
1,700.00	1,689.81	1,788.24	1,788.00	8.10	5.97	5.40	-650.87	5,560.75	5,440.46	5,426.58	13.88	391.888		
1,800.00	1,788.92	3,103.86	3,086.48	8.53	11.47	5.99	-665.98	5,384.49	5,422.22	5,403.08	19.14	283.327		
1,900.00	1,888.03	3,301.52	3,277.12	8.96	12.44	6.16	-670.93	5,332.62	5,383.94	5,363.62	20.32	264.976		
2,000.00	1,987.14	3,330.33	3,304.90	9.39	12.58	6.18	-671.20	5,325.00	5,345.23	5,324.35	20.88	256.039		
2,100.00	2,086.25	3,365.00	3,338.45	9.83	12.75	6.20	-671.51	5,316.26	5,307.63	5,286.17	21.46	247.276		
2,200.00	2,185.36	3,411.43	3,383.49	10.27	12.98	6.23	-672.16	5,304.97	5,270.96	5,248.86	22.10	238.481		
2,300.00	2,284.47	3,686.82	3,649.68	10.71	14.37	6.48	-680.24	5,234.97	5,234.44	5,210.85	23.59	221.911		
2,400.00	2,383.58	3,827.85	3,784.94	11.15	15.12	6.63	-685.27	5,195.38	5,194.59	5,170.00	24.59	211.287		
2,500.00	2,482.69	4,004.98	3,953.86	11.60	16.08	6.84	-692.21	5,142.53	5,152.75	5,127.03	25.72	200.355		
2,600.00	2,581.80	4,021.00	3,969.12	12.05	16.17	6.86	-692.77	5,137.69	5,111.40	5,085.12	26.28	194.523		
2,700.00	2,680.91	4,071.12	4,017.03	12.50	16.44	6.92	-694.63	5,123.08	5,070.85	5,043.89	26.96	188.081		
2,800.00	2,780.02	4,115.00	4,059.22	12.95	16.68	6.97	-696.42	5,111.17	5,031.70	5,004.07	27.63	182.124		
2,900.00	2,879.13	4,115.00	4,059.22	13.40	16.68	6.97	-696.42	5,111.17	4,993.62	4,965.48	28.14	177.444		
3,000.00	2,978.24	4,172.45	4,114.73	13.85	16.98	7.04	-698.76	5,096.55	4,956.49	4,927.63	28.86	171.728		
3,100.00	3,077.35	4,208.00	4,149.19	14.30	17.17	7.08	-700.10	5,087.94	4,920.43	4,890.93	29.51	166.747		
3,200.00	3,176.46	4,253.87	4,193.79	14.76	17.40	7.13	-701.79	5,077.32	4,885.37	4,855.18	30.19	161.813		
3,300.00	3,275.57	4,302.00	4,240.71	15.21	17.65	7.18	-703.55	5,066.76	4,851.34	4,820.46	30.89	157.077		
3,400.00	3,374.68	4,335.45	4,273.40	15.67	17.81	7.21	-704.74	5,059.78	4,818.33	4,786.80	31.53	152.834		
3,500.00	3,473.79	4,396.00	4,332.75	16.12	18.11	7.27	-706.74	5,047.96	4,786.50	4,754.23	32.27	148.348		
3,600.00	3,572.90	4,425.06	4,361.30	16.58	18.26	7.30	-707.62	5,042.60	4,755.50	4,722.61	32.89	144.580		
3,700.00	3,672.01	4,490.00	4,425.18	17.04	18.57	7.36	-709.42	5,031.05	4,725.41	4,691.76	33.65	140.443		
3,800.00	3,771.12	4,524.90	4,459.57	17.50	18.74	7.39	-710.30	5,025.18	4,696.20	4,661.90	34.29	136.944		
3,900.00	3,870.23	4,583.00	4,516.97	17.95	19.01	7.43	-711.64	5,016.26	4,668.24	4,633.22	35.02	133.295		
4,000.00	3,969.34	4,583.00	4,516.97	18.41	19.01	7.43	-711.64	5,016.26	4,641.38	4,605.84	35.54	130.597		
4,100.00	4,068.45	4,632.37	4,565.88	18.87	19.24	7.47	-712.64	5,009.66	4,615.75	4,579.52	36.23	127.398		
4,200.00	4,167.56	4,677.00	4,610.22	19.33	19.44	7.50	-713.42	5,004.62	4,591.61	4,554.70	36.90	124.420		
4,300.00	4,266.67	4,710.37	4,643.41	19.79	19.59	7.52	-713.89	5,001.29	4,568.65	4,531.12	37.53	121.733		
4,400.00	4,365.78	4,771.00	4,703.80	20.25	19.85	7.55	-714.31	4,995.83	4,546.74	4,508.49	38.26	118.853		
4,500.00	4,464.89	4,807.11	4,739.80	20.71	20.01	7.56	-714.27	4,993.03	4,525.85	4,486.97	38.88	116.395		
4,600.00	4,564.00	4,864.00	4,796.57	21.17	20.25	7.58	-713.68	4,989.46	4,506.22	4,466.64	39.59	113.830		
4,700.00	4,663.11	4,895.07	4,827.60	21.63	20.38	7.58	-713.20	4,987.91	4,487.68	4,447.50	40.19	111.670		
4,800.00	4,762.22	4,958.00	4,890.48	22.09	20.64	7.59	-712.39	4,985.48	4,470.38	4,429.48	40.91	109.286		
4,900.00	4,861.33	5,000.44	4,932.90	22.56	20.81	7.60	-711.98	4,984.26	4,454.02	4,412.48	41.54	107.222		
5,000.00	4,960.44	5,065.90	4,998.34	23.02	21.08	7.61	-711.57	4,982.78	4,438.50	4,396.24	42.26	105.020		

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 33C-6-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 33C-6-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		
5,100.00	5,059.55	5,065.90	4,998.34	23.48	21.08	7.61	-711.57	4,982.78	4,424.45	4,381.73	42.71	103.581		
5,200.00	5,158.66	5,065.90	4,998.34	23.94	21.08	7.61	-711.57	4,982.78	4,412.62	4,369.47	43.15	102.268		
5,300.00	5,257.77	5,065.90	4,998.34	24.40	21.08	7.61	-711.57	4,982.78	4,403.03	4,359.46	43.56	101.077		
5,400.00	5,356.88	5,065.90	4,998.34	24.87	21.08	7.61	-711.57	4,982.78	4,395.69	4,351.73	43.95	100.005		
5,500.00	5,455.99	5,065.90	4,998.34	25.33	21.08	7.61	-711.57	4,982.78	4,390.62	4,346.29	44.33	99.052		
5,600.00	5,555.10	5,065.90	4,998.34	25.79	21.08	7.61	-711.57	4,982.78	4,387.82	4,343.14	44.68	98.212		
5,672.78	5,627.23	5,065.90	4,998.34	26.13	21.08	7.61	-711.57	4,982.78	4,387.22	4,342.30	44.92	97.672 CC		
5,700.00	5,654.21	5,065.90	4,998.34	26.25	21.08	7.61	-711.57	4,982.78	4,387.30	4,342.30	45.00	97.485 ES		
5,800.00	5,753.32	5,065.90	4,998.34	26.72	21.08	7.61	-711.57	4,982.78	4,389.06	4,343.75	45.31	96.868		
5,900.00	5,852.43	5,065.90	4,998.34	27.18	21.08	7.61	-711.57	4,982.78	4,393.10	4,347.51	45.59	96.359		
6,000.00	5,951.54	5,065.90	4,998.34	27.64	21.08	7.61	-711.57	4,982.78	4,399.40	4,353.55	45.85	95.954		
6,100.00	6,050.65	5,065.90	4,998.34	28.11	21.08	7.61	-711.57	4,982.78	4,407.97	4,361.89	46.08	95.652		
6,200.00	6,149.76	5,065.90	4,998.34	28.57	21.08	7.61	-711.57	4,982.78	4,418.78	4,372.49	46.29	95.451		
6,300.00	6,248.87	5,065.90	4,998.34	29.03	21.08	7.61	-711.57	4,982.78	4,431.83	4,385.34	46.48	95.348		
6,400.00	6,347.98	5,065.90	4,998.34	29.50	21.08	7.61	-711.57	4,982.78	4,447.08	4,400.44	46.64	95.341 SF		
6,475.54	6,422.84	5,065.90	4,998.34	29.85	21.08	7.61	-711.57	4,982.78	4,460.05	4,413.30	46.75	95.399		
6,500.00	6,447.14	5,065.90	4,998.34	29.96	21.08	6.33	-711.57	4,982.78	4,464.97	4,418.19	46.78	95.438		
6,550.00	6,497.05	5,065.90	4,998.34	30.17	21.08	-14.50	-711.57	4,982.78	4,478.21	4,431.37	46.84	95.607		
6,600.00	6,547.02	5,065.90	4,998.34	30.37	21.08	-161.09	-711.57	4,982.78	4,495.61	4,448.74	46.87	95.909		
6,650.00	6,596.75	5,065.90	4,998.34	30.55	21.08	-164.67	-711.57	4,982.78	4,517.03	4,470.14	46.89	96.342		
6,700.00	6,645.93	5,065.90	4,998.34	30.74	21.08	-165.24	-711.57	4,982.78	4,542.27	4,495.39	46.88	96.883		
6,750.00	6,694.25	5,065.90	4,998.34	30.93	21.08	-165.06	-711.57	4,982.78	4,571.12	4,524.25	46.87	97.525		
6,800.00	6,741.43	5,065.90	4,998.34	31.12	21.08	-164.47	-711.57	4,982.78	4,603.33	4,556.48	46.85	98.260		
6,850.00	6,787.16	5,065.90	4,998.34	31.32	21.08	-163.51	-711.57	4,982.78	4,638.64	4,591.82	46.82	99.079		
6,900.00	6,831.16	5,065.90	4,998.34	31.52	21.08	-162.17	-711.57	4,982.78	4,676.76	4,629.98	46.78	99.972		
6,950.00	6,873.17	5,065.90	4,998.34	31.74	21.08	-160.34	-711.57	4,982.78	4,717.39	4,670.65	46.74	100.927		
7,000.00	6,912.92	5,065.90	4,998.34	31.96	21.08	-157.84	-711.57	4,982.78	4,760.22	4,713.52	46.70	101.933		
7,050.00	6,950.18	5,065.90	4,998.34	32.21	21.08	-154.35	-711.57	4,982.78	4,804.93	4,758.27	46.66	102.977		
7,100.00	6,984.70	5,065.90	4,998.34	32.48	21.08	-149.30	-711.57	4,982.78	4,851.20	4,804.58	46.63	104.047		
7,150.00	7,016.29	5,065.90	4,998.34	32.77	21.08	-141.69	-711.57	4,982.78	4,898.70	4,852.11	46.60	105.129		
7,200.00	7,044.73	5,065.90	4,998.34	33.10	21.08	-129.66	-711.57	4,982.78	4,947.11	4,900.53	46.58	106.211		
7,250.00	7,069.86	5,065.90	4,998.34	33.46	21.08	-110.70	-711.57	4,982.78	4,996.11	4,949.54	46.57	107.278		
7,300.00	7,091.53	5,065.90	4,998.34	33.86	21.08	-85.19	-711.57	4,982.78	5,045.38	4,998.80	46.58	108.319		
7,350.00	7,109.59	5,065.90	4,998.34	34.30	21.08	-61.00	-711.57	4,982.78	5,094.61	5,048.01	46.60	109.319		
7,400.00	7,123.94	5,065.90	4,998.34	34.78	21.08	-44.17	-711.57	4,982.78	5,143.51	5,096.87	46.65	110.268		
7,450.00	7,134.49	5,065.90	4,998.34	35.29	21.08	-33.58	-711.57	4,982.78	5,191.79	5,145.08	46.71	111.154		
7,500.00	7,141.18	5,065.90	4,998.34	35.84	21.08	-26.77	-711.57	4,982.78	5,239.18	5,192.38	46.79	111.966		
7,550.00	7,143.95	5,065.90	4,998.34	36.42	21.08	-22.17	-711.57	4,982.78	5,285.40	5,238.50	46.90	112.696		
7,567.79	7,144.00	5,065.90	4,998.34	36.63	21.08	-20.89	-711.57	4,982.78	5,301.52	5,254.58	46.94	112.940		
7,600.00	7,143.62	5,065.90	4,998.34	37.03	21.08	-20.89	-711.57	4,982.78	5,330.55	5,283.52	47.03	113.355		
7,700.00	7,142.46	5,065.90	4,998.34	38.38	21.08	-20.89	-711.57	4,982.78	5,420.91	5,373.62	47.29	114.632		
7,800.00	7,141.29	5,065.90	4,998.34	39.88	21.08	-20.89	-711.57	4,982.78	5,511.60	5,464.05	47.55	115.907		
7,900.00	7,140.13	5,065.90	4,998.34	41.53	21.08	-20.89	-711.57	4,982.78	5,602.61	5,554.80	47.81	117.181		
8,000.00	7,138.97	5,065.90	4,998.34	43.30	21.08	-20.89	-711.57	4,982.78	5,693.92	5,645.85	48.07	118.454		
8,100.00	7,137.80	5,065.90	4,998.34	45.18	21.08	-20.89	-711.57	4,982.78	5,785.52	5,737.20	48.32	119.726		
8,200.00	7,136.64	5,065.90	4,998.34	47.16	21.08	-20.89	-711.57	4,982.78	5,877.39	5,828.82	48.57	120.999		
8,300.00	7,135.48	5,065.90	4,998.34	49.22	21.08	-20.89	-711.57	4,982.78	5,969.53	5,920.71	48.82	122.271		
8,400.00	7,134.32	5,065.90	4,998.34	51.36	21.08	-20.89	-711.57	4,982.78	6,061.91	6,012.85	49.07	123.544		
8,500.00	7,133.15	5,065.90	4,998.34	53.56	21.08	-20.89	-711.57	4,982.78	6,154.53	6,105.23	49.31	124.817		
8,600.00	7,131.99	5,065.90	4,998.34	55.82	21.08	-20.89	-711.57	4,982.78	6,247.38	6,197.84	49.55	126.091		
8,700.00	7,130.83	5,065.90	4,998.34	58.13	21.08	-20.89	-711.57	4,982.78	6,340.45	6,290.67	49.78	127.366		
8,800.00	7,129.66	5,065.90	4,998.34	60.49	21.08	-20.89	-711.57	4,982.78	6,433.73	6,383.71	50.01	128.642		

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 33C-6-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 33C-6-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		
8,900.00	7,128.50	5,065.90	4,998.34	62.89	21.08	-20.89	-711.57	4,982.78	6,527.20	6,476.96	50.24	129.918		
9,000.00	7,127.34	5,065.90	4,998.34	65.32	21.08	-20.89	-711.57	4,982.78	6,620.86	6,570.40	50.47	131.196		
9,100.00	7,126.17	5,065.90	4,998.34	67.79	21.08	-20.89	-711.57	4,982.78	6,714.71	6,664.02	50.69	132.474		
9,200.00	7,125.01	5,065.90	4,998.34	70.28	21.08	-20.89	-711.57	4,982.78	6,808.73	6,757.83	50.91	133.754		
9,300.00	7,123.85	5,065.90	4,998.34	72.80	21.08	-20.89	-711.57	4,982.78	6,902.92	6,851.80	51.12	135.034		
9,400.00	7,122.68	5,065.90	4,998.34	75.34	21.08	-20.89	-711.57	4,982.78	6,997.28	6,945.94	51.33	136.315		
9,500.00	7,121.52	5,065.90	4,998.34	77.91	21.08	-20.89	-711.57	4,982.78	7,091.78	7,040.24	51.54	137.597		
9,600.00	7,120.36	5,065.90	4,998.34	80.49	21.08	-20.89	-711.57	4,982.78	7,186.44	7,134.69	51.75	138.879		
9,700.00	7,119.19	5,065.90	4,998.34	83.09	21.08	-20.89	-711.57	4,982.78	7,281.24	7,229.29	51.95	140.162		
9,800.00	7,118.03	5,065.90	4,998.34	85.70	21.08	-20.89	-711.57	4,982.78	7,376.17	7,324.02	52.15	141.446		
9,900.00	7,116.87	5,065.90	4,998.34	88.33	21.08	-20.89	-711.57	4,982.78	7,471.24	7,418.89	52.35	142.729		
10,000.00	7,115.70	5,065.90	4,998.34	90.98	21.08	-20.89	-711.57	4,982.78	7,566.43	7,513.89	52.54	144.014		
10,100.00	7,114.54	5,065.90	4,998.34	93.63	21.08	-20.89	-711.57	4,982.78	7,661.75	7,609.02	52.73	145.298		
10,200.00	7,113.38	5,065.90	4,998.34	96.29	21.08	-20.89	-711.57	4,982.78	7,757.19	7,704.27	52.92	146.583		
10,300.00	7,112.21	5,065.90	4,998.34	98.97	21.08	-20.89	-711.57	4,982.78	7,852.74	7,799.63	53.11	147.868		
10,400.00	7,111.05	5,065.90	4,998.34	101.65	21.08	-20.89	-711.57	4,982.78	7,948.39	7,895.10	53.29	149.152		
10,500.00	7,109.89	5,065.90	4,998.34	104.34	21.08	-20.89	-711.57	4,982.78	8,044.16	7,990.69	53.47	150.437		
10,600.00	7,108.72	5,065.90	4,998.34	107.04	21.08	-20.89	-711.57	4,982.78	8,140.02	8,086.37	53.65	151.721		
10,700.00	7,107.56	5,065.90	4,998.34	109.75	21.08	-20.89	-711.57	4,982.78	8,235.99	8,182.16	53.83	153.005		
10,800.00	7,106.40	5,065.90	4,998.34	112.47	21.08	-20.89	-711.57	4,982.78	8,332.05	8,278.04	54.00	154.288		
10,900.00	7,105.24	5,065.90	4,998.34	115.19	21.08	-20.89	-711.57	4,982.78	8,428.20	8,374.02	54.18	155.571		
11,000.00	7,104.07	5,065.90	4,998.34	117.91	21.08	-20.89	-711.57	4,982.78	8,524.44	8,470.09	54.35	156.853		
11,100.00	7,102.91	5,065.90	4,998.34	120.64	21.08	-20.89	-711.57	4,982.78	8,620.76	8,566.25	54.52	158.135		
11,200.00	7,101.75	5,065.90	4,998.34	123.38	21.08	-20.89	-711.57	4,982.78	8,717.17	8,662.49	54.68	159.415		
11,300.00	7,100.58	5,065.90	4,998.34	126.12	21.08	-20.89	-711.57	4,982.78	8,813.66	8,758.81	54.85	160.695		
11,400.00	7,099.42	5,065.90	4,998.34	128.87	21.08	-20.89	-711.57	4,982.78	8,910.22	8,855.21	55.01	161.973		
11,500.00	7,098.26	5,065.90	4,998.34	131.62	21.08	-20.89	-711.57	4,982.78	9,006.86	8,951.69	55.17	163.251		
11,600.00	7,097.09	5,065.90	4,998.34	134.37	21.08	-20.89	-711.57	4,982.78	9,103.57	9,048.24	55.33	164.527		
11,700.00	7,095.93	5,065.90	4,998.34	137.13	21.08	-20.89	-711.57	4,982.78	9,200.36	9,144.87	55.49	165.802		
11,800.00	7,094.77	5,065.90	4,998.34	139.89	21.08	-20.89	-711.57	4,982.78	9,297.21	9,241.56	55.65	167.076		
11,900.00	7,093.60	5,065.90	4,998.34	142.65	21.08	-20.89	-711.57	4,982.78	9,394.13	9,338.32	55.80	168.348		
12,000.00	7,092.44	5,065.90	4,998.34	145.42	21.08	-20.89	-711.57	4,982.78	9,491.11	9,435.15	55.96	169.618		
12,100.00	7,091.28	5,065.90	4,998.34	148.19	21.08	-20.89	-711.57	4,982.78	9,588.15	9,532.04	56.11	170.887		
12,200.00	7,090.11	5,065.90	4,998.34	150.96	21.08	-20.89	-711.57	4,982.78	9,685.25	9,628.99	56.26	172.155		
12,300.00	7,088.95	5,065.90	4,998.34	153.74	21.08	-20.89	-711.57	4,982.78	9,782.41	9,726.01	56.41	173.420		
12,400.00	7,087.79	5,065.90	4,998.34	156.52	21.08	-20.89	-711.57	4,982.78	9,879.63	9,823.08	56.56	174.684		
12,500.00	7,086.62	5,065.90	4,998.34	159.30	21.08	-20.89	-711.57	4,982.78	9,976.91	9,920.20	56.70	175.945		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	96.60	-647.09	5,591.58	5,629.12					
100.00	100.00	54.27	54.27	3.28	3.28	96.60	-647.19	5,591.54	5,628.88	5,622.31	6.57	857.173		
200.00	200.00	153.65	153.65	3.34	3.31	96.61	-647.79	5,591.37	5,628.77	5,622.12	6.65	846.784		
300.00	300.00	261.47	261.46	3.44	3.40	96.62	-648.55	5,591.20	5,628.70	5,621.86	6.85	821.920		
400.00	399.98	385.60	385.59	3.60	3.58	5.13	-649.18	5,590.61	5,626.55	5,619.37	7.18	783.450		
500.00	499.84	486.76	486.74	3.80	3.78	5.15	-649.36	5,589.91	5,620.67	5,613.10	7.58	741.974		
600.00	599.45	2,019.97	1,997.91	4.04	12.08	4.58	-559.23	5,397.33	5,601.10	5,587.34	13.77	406.900		
682.50	681.36	2,226.30	2,195.26	4.26	14.26	4.40	-530.99	5,344.18	5,569.15	5,554.07	15.08	369.289		
700.00	698.71	2,239.17	2,207.53	4.32	14.40	4.39	-529.19	5,340.75	5,562.06	5,546.86	15.20	365.918		
800.00	797.82	2,316.06	2,280.87	4.62	15.26	4.30	-518.15	5,320.46	5,521.68	5,505.81	15.87	347.955		
900.00	896.93	2,413.01	2,373.35	4.95	16.35	4.18	-504.15	5,294.95	5,481.40	5,464.71	16.69	328.449		
1,000.00	996.04	2,532.85	2,487.46	5.30	17.73	4.02	-486.24	5,263.01	5,440.72	5,423.04	17.68	307.702		
1,100.00	1,095.15	1,100.00	2,728.14	5.67	5.92	3.63	-444.14	5,191.58	5,398.65	5,388.95	9.69	556.876		
1,200.00	1,194.26	2,841.54	2,778.99	6.05	21.74	3.55	-434.87	5,175.61	5,355.23	5,334.94	20.29	263.996		
1,300.00	1,293.37	2,900.00	2,834.35	6.45	22.52	3.46	-425.71	5,159.21	5,313.02	5,292.00	21.02	252.816		
1,400.00	1,392.48	2,913.36	2,847.05	6.85	22.69	3.44	-423.74	5,155.58	5,271.42	5,249.95	21.47	245.480		
1,500.00	1,491.59	3,024.50	2,952.79	7.26	24.03	3.29	-407.86	5,125.24	5,230.38	5,207.87	22.51	232.373		
1,600.00	1,590.70	3,100.00	3,024.44	7.68	24.98	3.19	-397.19	5,103.96	5,188.63	5,165.28	23.35	222.197		
1,700.00	1,689.81	3,158.78	3,080.30	8.10	25.67	3.11	-388.90	5,087.66	5,147.43	5,123.32	24.11	213.518		
1,800.00	1,788.92	3,200.00	3,119.67	8.53	26.17	3.06	-383.14	5,076.90	5,107.47	5,082.70	24.78	206.139		
1,900.00	1,888.03	3,264.55	3,181.51	8.96	26.85	2.97	-374.63	5,060.47	5,068.27	5,042.71	25.56	198.279		
2,000.00	1,987.14	3,332.51	3,246.74	9.39	27.56	2.90	-366.62	5,043.19	5,029.34	5,002.98	26.36	190.806		
2,100.00	2,086.25	3,400.00	3,311.72	9.83	28.23	2.83	-359.23	5,026.48	4,991.06	4,963.91	27.15	183.853		
2,200.00	2,185.36	3,454.01	3,363.82	10.27	28.74	2.77	-353.62	5,013.41	4,953.34	4,925.47	27.87	177.759		
2,300.00	2,284.47	3,522.02	3,429.52	10.71	29.37	2.71	-346.86	4,997.20	4,916.11	4,887.45	28.65	171.582		
2,400.00	2,383.58	3,588.12	3,493.45	11.15	29.96	2.64	-340.09	4,981.81	4,879.37	4,849.94	29.43	165.775		
2,500.00	2,482.69	4,088.49	3,970.06	11.60	35.99	1.96	-275.11	4,845.32	4,836.65	4,804.12	32.53	148.702		
2,600.00	2,581.80	4,130.54	4,009.59	12.05	36.58	1.88	-268.52	4,832.59	4,792.93	4,759.63	33.29	143.958		
2,700.00	2,680.91	4,166.35	4,043.44	12.50	37.06	1.82	-263.35	4,822.11	4,750.23	4,716.20	34.03	139.598		
2,800.00	2,780.02	4,200.00	4,075.40	12.95	37.52	1.77	-258.89	4,812.58	4,708.58	4,673.83	34.75	135.480		
2,900.00	2,879.13	4,255.89	4,128.65	13.40	38.18	1.69	-251.58	4,797.26	4,667.82	4,632.24	35.58	131.179		
3,000.00	2,978.24	4,426.90	4,291.31	13.85	40.28	1.40	-227.39	4,750.41	4,627.25	4,590.21	37.04	124.942		
3,100.00	3,077.35	3,100.00	4,553.40	14.30	18.12	0.84	-181.84	4,665.55	4,583.32	4,556.65	26.67	171.838		
3,200.00	3,176.46	4,745.29	4,589.96	14.76	45.06	0.76	-175.83	4,653.02	4,538.20	4,498.09	40.11	113.141		
3,300.00	3,275.57	4,800.00	4,641.34	15.21	45.91	0.65	-167.10	4,636.38	4,494.29	4,453.25	41.04	109.515		
3,400.00	3,374.68	4,824.43	4,664.35	15.67	46.24	0.60	-163.12	4,629.21	4,451.23	4,409.43	41.79	106.507		
3,500.00	3,473.79	4,878.58	4,715.43	16.12	46.99	0.48	-154.12	4,613.63	4,409.08	4,366.35	42.73	103.188		
3,600.00	3,572.90	4,938.69	4,772.23	16.58	47.78	0.34	-143.95	4,596.80	4,367.67	4,323.97	43.70	99.936		
3,700.00	3,672.01	5,000.00	4,830.28	17.04	48.58	0.20	-133.68	4,579.97	4,326.86	4,282.17	44.69	96.813		
3,800.00	3,771.12	5,043.47	4,871.57	17.50	49.09	0.10	-126.53	4,568.40	4,286.90	4,241.34	45.56	94.087		
3,900.00	3,870.23	5,100.00	4,925.50	17.95	49.75	-0.03	-117.48	4,554.07	4,248.08	4,201.57	46.51	91.336		
4,000.00	3,969.34	5,141.23	4,964.99	18.41	50.16	-0.11	-111.30	4,544.00	4,210.15	4,162.81	47.34	88.932		
4,100.00	4,068.45	5,200.00	5,021.52	18.87	50.76	-0.22	-103.62	4,529.88	4,172.98	4,124.72	48.25	86.480		
4,200.00	4,167.56	5,200.00	5,021.52	19.33	50.76	-0.22	-103.62	4,529.88	4,137.28	4,088.40	48.88	84.642		
4,300.00	4,266.67	5,254.76	5,074.56	19.79	51.19	-0.31	-97.49	4,517.73	4,102.43	4,052.72	49.71	82.525		
4,400.00	4,365.78	5,300.00	5,118.73	20.25	51.54	-0.37	-93.06	4,509.01	4,069.61	4,019.10	50.50	80.582		
4,500.00	4,464.89	5,319.90	5,138.23	20.71	51.66	-0.40	-91.28	4,505.47	4,038.03	3,986.86	51.17	78.908		
4,600.00	4,564.00	5,380.05	5,197.28	21.17	52.00	-0.47	-86.40	4,495.08	4,007.60	3,955.63	51.97	77.115		
4,700.00	4,663.11	5,426.98	5,243.45	21.63	52.25	-0.52	-83.11	4,487.38	3,978.11	3,925.41	52.70	75.479		
4,800.00	4,762.22	5,467.56	5,283.49	22.09	52.44	-0.55	-80.57	4,481.28	3,949.93	3,896.53	53.41	73.958		
4,900.00	4,861.33	5,500.00	5,315.57	22.56	52.59	-0.58	-78.75	4,476.81	3,923.13	3,869.05	54.08	72.545		
5,000.00	4,960.44	5,543.32	5,358.50	23.02	52.74	-0.61	-76.54	4,471.46	3,897.74	3,842.98	54.76	71.183		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,600.00	5,414.83	23.48	52.94	-0.65	-73.96	4,465.68	3,874.03	3,818.56	55.47	69.844		
5,200.00	5,158.66	5,628.15	5,442.84	23.94	53.02	-0.67	-72.76	4,463.21	3,851.49	3,795.41	56.08	68.678		
5,300.00	5,257.77	5,700.00	5,514.38	24.40	53.22	-0.72	-69.62	4,457.37	3,830.06	3,773.25	56.81	67.414		
5,400.00	5,356.88	5,758.01	5,572.18	24.87	53.37	-0.76	-67.09	4,453.15	3,809.46	3,751.96	57.50	66.250		
5,500.00	5,455.99	5,823.18	5,637.16	25.33	53.54	-0.80	-64.39	4,448.93	3,789.70	3,731.49	58.20	65.111		
5,600.00	5,555.10	5,887.30	5,701.14	25.79	53.69	-0.84	-62.23	4,445.33	3,770.81	3,711.91	58.89	64.028		
5,700.00	5,654.21	5,956.85	5,770.59	26.25	53.85	-0.86	-60.58	4,442.02	3,752.75	3,693.17	59.59	62.981		
5,800.00	5,753.32	6,030.43	5,844.11	26.72	54.01	-0.88	-59.61	4,439.03	3,735.41	3,675.13	60.28	61.968		
5,900.00	5,852.43	6,109.13	5,922.76	27.18	54.17	-0.89	-59.03	4,436.29	3,718.65	3,657.66	60.98	60.978		
6,000.00	5,951.54	6,196.57	6,010.15	27.64	54.36	-0.90	-58.75	4,433.60	3,702.28	3,640.58	61.71	59.996		
6,100.00	6,050.65	6,286.91	6,100.46	28.11	54.55	-0.90	-58.92	4,431.05	3,686.19	3,623.74	62.44	59.035		
6,200.00	6,149.76	6,371.80	6,185.32	28.57	54.72	-0.89	-59.50	4,428.89	3,670.37	3,607.22	63.15	58.118		
6,300.00	6,248.87	6,476.10	6,289.59	29.03	54.94	-0.88	-60.52	4,426.46	3,654.77	3,590.85	63.92	57.174		
6,400.00	6,347.98	6,590.00	6,403.43	29.50	55.19	-0.86	-61.95	4,423.38	3,638.80	3,574.07	64.72	56.221		
6,475.54	6,422.84	6,662.76	6,476.16	29.85	55.35	-0.84	-63.00	4,421.26	3,626.58	3,561.29	65.29	55.548		
6,500.00	6,447.14	6,685.84	6,499.22	29.96	55.40	-2.22	-63.39	4,420.61	3,623.10	3,557.63	65.47	55.342		
6,550.00	6,497.05	6,739.84	6,553.19	30.17	55.52	-23.29	-64.33	4,419.06	3,618.89	3,553.04	65.85	54.955		
6,580.04	6,527.09	6,774.06	6,587.39	30.29	55.59	-163.10	-64.88	4,418.03	3,618.20	3,552.12	66.08	54.757 CC, ES		
6,600.00	6,547.02	6,796.81	6,610.13	30.37	55.64	-170.21	-65.22	4,417.32	3,618.50	3,552.28	66.23	54.638		
6,650.00	6,596.75	6,854.45	6,667.74	30.55	55.77	-174.21	-66.06	4,415.45	3,621.94	3,555.35	66.59	54.393		
6,700.00	6,645.93	6,911.69	6,724.93	30.74	55.90	-175.33	-66.93	4,413.46	3,629.16	3,562.22	66.94	54.217		
6,750.00	6,694.25	6,944.75	6,757.97	30.93	55.98	-175.82	-67.48	4,412.38	3,640.32	3,573.12	67.21	54.167 SF		
6,800.00	6,741.43	6,980.97	6,794.17	31.12	56.06	-176.07	-68.12	4,411.30	3,655.42	3,587.95	67.47	54.179		
6,850.00	6,787.16	7,030.29	6,843.46	31.32	56.17	-176.19	-69.05	4,409.93	3,674.30	3,606.54	67.76	54.227		
6,900.00	6,831.16	7,094.27	6,907.40	31.52	56.32	-176.23	-70.23	4,407.90	3,696.57	3,628.50	68.08	54.301		
6,950.00	6,873.17	7,159.00	6,949.10	31.74	55.97	-176.23	-71.56	4,404.30	3,721.58	3,653.91	67.67	54.993		
7,000.00	6,912.92	7,230.41	7,043.38	31.96	56.64	-176.16	-72.31	4,401.66	3,749.85	3,681.16	68.70	54.585		
7,050.00	6,950.18	7,251.98	7,064.92	32.21	56.70	-176.03	-72.50	4,400.67	3,781.39	3,712.54	68.86	54.917		
7,100.00	6,984.70	7,271.94	7,084.86	32.48	56.75	-175.84	-72.61	4,399.84	3,816.03	3,747.04	69.00	55.309		
7,150.00	7,016.29	7,300.00	7,112.91	32.77	56.81	-175.58	-72.67	4,398.82	3,853.55	3,784.40	69.15	55.730		
7,200.00	7,044.73	7,308.91	7,121.81	33.10	56.84	-175.20	-72.67	4,398.53	3,893.59	3,824.37	69.23	56.245		
7,250.00	7,069.86	7,328.65	7,141.54	33.46	56.88	-174.70	-72.66	4,397.90	3,935.94	3,866.61	69.33	56.773		
7,300.00	7,091.53	7,345.76	7,158.64	33.86	56.92	-173.99	-72.66	4,397.38	3,980.26	3,910.85	69.41	57.343		
7,350.00	7,109.59	7,360.13	7,173.01	34.30	56.96	-172.94	-72.65	4,396.97	4,026.29	3,956.81	69.48	57.949		
7,400.00	7,123.94	7,371.71	7,184.58	34.78	56.98	-171.28	-72.63	4,396.65	4,073.71	4,004.18	69.53	58.586		
7,450.00	7,134.49	7,380.44	7,193.31	35.29	57.01	-168.29	-72.62	4,396.41	4,122.23	4,052.66	69.57	59.249		
7,500.00	7,141.18	7,386.30	7,199.16	35.84	57.02	-161.63	-72.62	4,396.26	4,171.54	4,101.93	69.60	59.933		
7,550.00	7,143.95	7,389.27	7,202.13	36.42	57.03	-137.15	-72.61	4,396.18	4,221.32	4,151.70	69.62	60.631		
7,567.79	7,144.00	7,389.63	7,202.50	36.63	57.03	-109.95	-72.61	4,396.18	4,239.09	4,169.46	69.63	60.881		
7,600.00	7,143.62	7,389.95	7,202.82	37.03	57.03	-110.05	-72.61	4,396.17	4,271.27	4,201.63	69.64	61.336		
7,700.00	7,142.46	7,390.96	7,203.82	38.38	57.03	-110.36	-72.61	4,396.14	4,371.19	4,301.53	69.66	62.747		
7,800.00	7,141.29	7,391.95	7,204.82	39.88	57.03	-110.66	-72.61	4,396.12	4,471.11	4,401.42	69.69	64.157		
7,900.00	7,140.13	7,400.00	7,212.86	41.53	57.05	-113.10	-72.60	4,395.91	4,571.05	4,501.31	69.74	65.544		
8,000.00	7,138.97	7,400.00	7,212.86	43.30	57.05	-113.10	-72.60	4,395.91	4,670.97	4,601.21	69.76	66.954		
8,100.00	7,137.80	7,400.00	7,212.86	45.18	57.05	-113.10	-72.60	4,395.91	4,770.90	4,701.11	69.79	68.362		
8,200.00	7,136.64	7,400.00	7,212.86	47.16	57.05	-113.10	-72.60	4,395.91	4,870.83	4,801.02	69.81	69.768		
8,300.00	7,135.48	7,400.00	7,212.86	49.22	57.05	-113.10	-72.60	4,395.91	4,970.77	4,900.93	69.84	71.173		
8,400.00	7,134.32	7,400.00	7,212.86	51.36	57.05	-113.10	-72.60	4,395.91	5,070.71	5,000.84	69.87	72.576		
8,500.00	7,133.15	7,400.00	7,212.86	53.56	57.05	-113.10	-72.60	4,395.91	5,170.65	5,100.75	69.89	73.978		
8,600.00	7,131.99	7,400.00	7,212.86	55.82	57.05	-113.10	-72.60	4,395.91	5,270.59	5,200.66	69.92	75.377		
8,700.00	7,130.83	7,400.00	7,212.86	58.13	57.05	-113.10	-72.60	4,395.91	5,370.53	5,300.58	69.95	76.775		
8,800.00	7,129.66	7,400.00	7,212.86	60.49	57.05	-113.10	-72.60	4,395.91	5,470.48	5,400.50	69.98	78.170		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,400.00	7,212.86	62.89	57.05	-113.10	-72.60	4,395.91	5,570.43	5,500.42	70.01	79.564		
9,000.00	7,127.34	7,400.00	7,212.86	65.32	57.05	-113.10	-72.60	4,395.91	5,670.38	5,600.33	70.04	80.955		
9,100.00	7,126.17	7,400.00	7,212.86	67.79	57.05	-113.10	-72.60	4,395.91	5,770.33	5,700.25	70.08	82.345		
9,200.00	7,125.01	7,400.00	7,212.86	70.28	57.05	-113.10	-72.60	4,395.91	5,870.28	5,800.17	70.11	83.732		
9,300.00	7,123.85	7,400.00	7,212.86	72.80	57.05	-113.10	-72.60	4,395.91	5,970.24	5,900.10	70.14	85.117		
9,400.00	7,122.68	7,400.00	7,212.86	75.34	57.05	-113.10	-72.60	4,395.91	6,070.19	6,000.02	70.18	86.499		
9,500.00	7,121.52	7,400.00	7,212.86	77.91	57.05	-113.10	-72.60	4,395.91	6,170.15	6,099.94	70.21	87.880		
9,600.00	7,120.36	7,400.00	7,212.86	80.49	57.05	-113.10	-72.60	4,395.91	6,270.11	6,199.86	70.25	89.257		
9,700.00	7,119.19	7,400.00	7,212.86	83.09	57.05	-113.10	-72.60	4,395.91	6,370.07	6,299.79	70.28	90.633		
9,800.00	7,118.03	7,400.00	7,212.86	85.70	57.05	-113.10	-72.60	4,395.91	6,470.03	6,399.71	70.32	92.006		
9,900.00	7,116.87	7,400.00	7,212.86	88.33	57.05	-113.10	-72.60	4,395.91	6,570.00	6,499.64	70.36	93.376		
10,000.00	7,115.70	7,400.00	7,212.86	90.98	57.05	-113.10	-72.60	4,395.91	6,669.96	6,599.56	70.40	94.743		
10,100.00	7,114.54	7,400.00	7,212.86	93.63	57.05	-113.10	-72.60	4,395.91	6,769.93	6,699.49	70.44	96.108		
10,200.00	7,113.38	7,400.00	7,212.86	96.29	57.05	-113.10	-72.60	4,395.91	6,869.89	6,799.41	70.48	97.470		
10,300.00	7,112.21	7,400.00	7,212.86	98.97	57.05	-113.10	-72.60	4,395.91	6,969.86	6,899.34	70.52	98.829		
10,400.00	7,111.05	7,400.00	7,212.86	101.65	57.05	-113.10	-72.60	4,395.91	7,069.83	6,999.26	70.57	100.186		
10,500.00	7,109.89	7,400.00	7,212.86	104.34	57.05	-113.10	-72.60	4,395.91	7,169.80	7,099.19	70.61	101.539		
10,600.00	7,108.72	7,400.00	7,212.86	107.04	57.05	-113.10	-72.60	4,395.91	7,269.77	7,199.11	70.66	102.890		
10,700.00	7,107.56	7,400.00	7,212.86	109.75	57.05	-113.10	-72.60	4,395.91	7,369.74	7,299.04	70.70	104.237		
10,800.00	7,106.40	7,400.00	7,212.86	112.47	57.05	-113.10	-72.60	4,395.91	7,469.71	7,398.96	70.75	105.582		
10,900.00	7,105.24	7,400.00	7,212.86	115.19	57.05	-113.10	-72.60	4,395.91	7,569.68	7,498.88	70.80	106.923		
11,000.00	7,104.07	7,400.00	7,212.86	117.91	57.05	-113.10	-72.60	4,395.91	7,669.65	7,598.81	70.84	108.261		
11,100.00	7,102.91	7,400.00	7,212.86	120.64	57.05	-113.10	-72.60	4,395.91	7,769.63	7,698.73	70.89	109.596		
11,200.00	7,101.75	7,400.00	7,212.86	123.38	57.05	-113.10	-72.60	4,395.91	7,869.60	7,798.66	70.94	110.928		
11,300.00	7,100.58	7,400.00	7,212.86	126.12	57.05	-113.10	-72.60	4,395.91	7,969.58	7,898.58	70.99	112.256		
11,400.00	7,099.42	7,400.00	7,212.86	128.87	57.05	-113.10	-72.60	4,395.91	8,069.55	7,998.51	71.05	113.582		
11,500.00	7,098.26	7,400.00	7,212.86	131.62	57.05	-113.10	-72.60	4,395.91	8,169.53	8,098.43	71.10	114.903		
11,600.00	7,097.09	7,400.00	7,212.86	134.37	57.05	-113.10	-72.60	4,395.91	8,269.50	8,198.35	71.15	116.222		
11,700.00	7,095.93	7,400.00	7,212.86	137.13	57.05	-113.10	-72.60	4,395.91	8,369.48	8,298.27	71.21	117.536		
11,800.00	7,094.77	7,400.00	7,212.86	139.89	57.05	-113.10	-72.60	4,395.91	8,469.46	8,398.20	71.26	118.848		
11,900.00	7,093.60	7,400.00	7,212.86	142.65	57.05	-113.10	-72.60	4,395.91	8,569.44	8,498.12	71.32	120.156		
12,000.00	7,092.44	7,400.00	7,212.86	145.42	57.05	-113.10	-72.60	4,395.91	8,669.42	8,598.04	71.38	121.460		
12,100.00	7,091.28	7,400.00	7,212.86	148.19	57.05	-113.10	-72.60	4,395.91	8,769.40	8,697.96	71.44	122.760		
12,200.00	7,090.11	7,400.00	7,212.86	150.96	57.05	-113.10	-72.60	4,395.91	8,869.38	8,797.88	71.49	124.057		
12,300.00	7,088.95	7,400.00	7,212.86	153.74	57.05	-113.10	-72.60	4,395.91	8,969.36	8,897.80	71.55	125.350		
12,400.00	7,087.79	7,400.00	7,212.86	156.52	57.05	-113.10	-72.60	4,395.91	9,069.34	8,997.72	71.62	126.640		
12,500.00	7,086.62	7,400.00	7,212.86	159.30	57.05	-113.10	-72.60	4,395.91	9,169.32	9,097.64	71.68	127.926		
12,600.00	7,085.46	7,400.00	7,212.86	162.08	57.05	-113.10	-72.60	4,395.91	9,269.30	9,197.56	71.74	129.207		
12,700.00	7,084.30	7,400.00	7,212.86	164.86	57.05	-113.10	-72.60	4,395.91	9,369.28	9,297.48	71.80	130.486		
12,800.00	7,083.13	7,400.00	7,212.86	167.65	57.05	-113.10	-72.60	4,395.91	9,469.26	9,397.40	71.87	131.760		
12,900.00	7,081.97	7,400.00	7,212.86	170.44	57.05	-113.10	-72.60	4,395.91	9,569.25	9,497.31	71.93	133.030		
13,000.00	7,080.81	7,400.00	7,212.86	173.23	57.05	-113.10	-72.60	4,395.91	9,669.23	9,597.23	72.00	134.296		
13,100.00	7,079.64	7,400.00	7,212.86	176.02	57.05	-113.10	-72.60	4,395.91	9,769.21	9,697.15	72.07	135.559		
13,200.00	7,078.48	7,400.00	7,212.86	178.81	57.05	-113.10	-72.60	4,395.91	9,869.20	9,797.06	72.13	136.817		
13,300.00	7,077.32	7,400.00	7,212.86	181.61	57.05	-113.10	-72.60	4,395.91	9,969.18	9,896.98	72.20	138.072		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	1,275.59	1,254.07	3.28	9.96	97.97	-757.03	5,404.74	5,611.15					
100.00	100.00	1,434.68	1,405.41	3.28	11.86	98.31	-783.16	5,363.24	5,587.02	5,574.31	12.72	439.293		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	98.45	-794.49	5,346.23	5,563.19	5,549.90	13.29	418.543		
300.00	300.00	1,543.56	1,508.86	3.44	13.16	98.55	-802.31	5,335.17	5,540.08	5,526.35	13.73	403.365		
400.00	399.98	1,602.68	1,565.18	3.60	13.84	7.25	-812.70	5,320.53	5,516.03	5,501.66	14.37	383.810		
500.00	499.84	1,692.79	1,651.15	3.80	14.84	7.53	-828.36	5,298.53	5,489.04	5,473.73	15.31	358.547		
600.00	599.45	1,924.17	1,871.63	4.04	17.49	8.17	-866.88	5,239.91	5,458.15	5,440.68	17.47	312.348		
682.50	681.36	1,968.00	1,913.39	4.26	18.00	8.37	-873.52	5,228.38	5,429.13	5,411.10	18.04	300.979		
700.00	698.71	1,977.27	1,922.23	4.32	18.11	8.39	-874.92	5,225.97	5,422.81	5,404.64	18.17	298.528		
800.00	797.82	2,048.54	1,990.26	4.62	18.92	8.56	-885.75	5,207.69	5,386.99	5,367.98	19.01	283.414		
900.00	896.93	2,125.78	2,063.94	4.95	19.79	8.75	-897.85	5,187.96	5,351.43	5,331.50	19.93	268.497		
1,000.00	996.04	2,191.46	2,126.64	5.30	20.53	8.92	-908.34	5,171.43	5,316.32	5,295.53	20.79	255.681		
1,100.00	1,095.15	2,247.82	2,180.47	5.67	21.15	9.07	-917.58	5,157.52	5,281.81	5,260.21	21.61	244.452		
1,200.00	1,194.26	2,311.58	2,241.37	6.05	21.84	9.24	-928.55	5,142.17	5,248.02	5,225.52	22.50	233.234		
1,300.00	1,293.37	2,300.00	2,408.00	6.45	11.34	9.67	-954.24	5,099.39	5,213.34	5,197.79	15.55	335.309		
1,400.00	1,392.48	2,555.16	2,474.73	6.85	24.41	9.84	-963.77	5,081.96	5,178.43	5,153.30	25.14	206.004		
1,500.00	1,491.59	1,500.00	2,675.31	7.26	11.89	10.38	-995.17	5,028.59	5,143.90	5,126.90	17.00	302.563		
1,600.00	1,590.70	2,946.33	2,847.37	7.68	29.05	10.87	-1,021.07	4,977.91	5,106.28	5,077.17	29.11	175.411		
1,700.00	1,689.81	3,100.91	2,993.28	8.10	31.18	11.31	-1,044.24	4,932.43	5,067.65	5,036.73	30.93	163.861		
1,800.00	1,788.92	1,800.00	3,095.81	8.53	12.84	11.62	-1,059.99	4,899.46	5,028.24	5,008.89	19.35	259.838		
1,900.00	1,888.03	3,262.92	3,146.06	8.96	33.47	11.77	-1,067.01	4,883.58	4,989.20	4,955.90	33.30	149.822		
2,000.00	1,987.14	3,351.97	3,230.46	9.39	34.69	12.01	-1,078.75	4,857.74	4,950.95	4,916.40	34.55	143.286		
2,100.00	2,086.25	3,435.35	3,309.03	9.83	35.84	12.27	-1,091.27	4,832.79	4,912.30	4,876.51	35.80	137.229		
2,200.00	2,185.36	3,500.00	3,370.18	10.27	36.73	12.46	-1,100.85	4,814.13	4,874.57	4,837.67	36.90	132.100		
2,300.00	2,284.47	3,600.00	3,465.20	10.71	38.01	12.74	-1,113.09	4,785.49	4,836.78	4,798.58	38.20	126.624		
2,400.00	2,383.58	4,125.10	3,955.14	11.15	46.91	14.37	-1,179.44	4,610.87	4,794.46	4,750.94	43.52	110.168		
2,500.00	2,482.69	4,194.84	4,018.62	11.60	48.47	14.64	-1,190.77	4,584.32	4,748.97	4,703.95	45.01	105.499		
2,600.00	2,581.80	4,230.71	4,051.40	12.05	49.20	14.78	-1,196.46	4,570.90	4,704.18	4,658.11	46.07	102.109		
2,700.00	2,680.91	4,264.42	4,082.40	12.50	49.88	14.91	-1,201.59	4,558.71	4,660.49	4,613.39	47.11	98.937		
2,800.00	2,780.02	4,300.00	4,115.33	12.95	50.59	15.04	-1,206.79	4,546.27	4,617.92	4,569.75	48.17	95.866		
2,900.00	2,879.13	4,420.76	4,227.33	13.40	52.82	15.48	-1,223.59	4,504.36	4,575.55	4,525.48	50.06	91.395		
3,000.00	2,978.24	4,496.01	4,296.86	13.85	54.24	15.77	-1,234.93	4,477.93	4,533.18	4,481.62	51.56	87.915		
3,100.00	3,077.35	4,538.09	4,335.70	14.30	55.03	15.95	-1,241.82	4,463.27	4,491.49	4,438.74	52.74	85.156		
3,200.00	3,176.46	4,600.00	4,393.03	14.76	56.18	16.20	-1,252.41	4,442.42	4,450.97	4,396.81	54.16	82.175		
3,300.00	3,275.57	4,621.85	4,413.31	15.21	56.55	16.30	-1,256.26	4,435.25	4,411.31	4,356.18	55.13	80.017		
3,400.00	3,374.68	4,667.97	4,456.19	15.67	57.33	16.50	-1,264.53	4,420.41	4,372.78	4,316.41	56.37	77.568		
3,500.00	3,473.79	4,700.00	4,486.01	16.12	57.88	16.63	-1,270.40	4,410.33	4,335.32	4,277.86	57.46	75.443		
3,600.00	3,572.90	4,761.74	4,543.83	16.58	58.80	16.90	-1,281.27	4,391.61	4,298.81	4,239.99	58.82	73.086		
3,700.00	3,672.01	4,812.71	4,591.96	17.04	59.52	17.10	-1,289.43	4,376.92	4,263.36	4,203.33	60.04	71.012		
3,800.00	3,771.12	4,875.80	4,651.94	17.50	60.30	17.34	-1,298.33	4,359.54	4,228.75	4,167.48	61.27	69.018		
3,900.00	3,870.23	4,900.00	4,675.06	17.95	60.60	17.42	-1,301.36	4,353.08	4,195.12	4,132.93	62.19	67.455		
4,000.00	3,969.34	4,958.97	4,731.76	18.41	61.16	17.61	-1,307.96	4,338.29	4,162.47	4,099.21	63.26	65.802		
4,100.00	4,068.45	5,000.00	4,771.52	18.87	61.55	17.73	-1,311.92	4,328.96	4,131.31	4,067.10	64.21	64.338		
4,200.00	4,167.56	5,082.73	4,851.93	19.33	62.20	17.97	-1,319.33	4,310.94	4,101.00	4,035.69	65.31	62.792		
4,300.00	4,266.67	5,139.16	4,906.83	19.79	62.61	18.13	-1,324.23	4,298.89	4,071.15	4,004.88	66.27	61.436		
4,400.00	4,365.78	5,200.00	4,966.29	20.25	63.03	18.29	-1,328.97	4,286.89	4,042.44	3,975.21	67.23	60.132		
4,500.00	4,464.89	5,230.52	4,996.22	20.71	63.19	18.37	-1,331.13	4,281.33	4,014.85	3,946.83	68.02	59.025		
4,600.00	4,564.00	5,271.53	5,036.56	21.17	63.41	18.47	-1,333.79	4,274.43	3,988.64	3,919.80	68.83	57.946		
4,700.00	4,663.11	5,300.00	5,064.64	21.63	63.56	18.53	-1,335.48	4,270.04	3,963.83	3,894.23	69.60	56.955		
4,800.00	4,762.22	5,359.60	5,123.58	22.09	63.78	18.65	-1,338.63	4,261.80	3,940.21	3,869.82	70.39	55.974		
4,900.00	4,861.33	5,400.00	5,163.64	22.56	63.93	18.73	-1,340.48	4,256.91	3,917.94	3,846.81	71.13	55.079		
5,000.00	4,960.44	5,462.47	5,225.71	23.02	64.11	18.84	-1,342.94	4,250.27	3,896.80	3,824.92	71.88	54.212		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,519.67	5,282.63	23.48	64.26	18.93	-1,344.78	4,245.01	3,876.73	3,804.12	72.60	53.397		
5,200.00	5,158.66	5,579.15	5,341.90	23.94	64.40	19.01	-1,346.46	4,240.25	3,857.65	3,784.35	73.31	52.624		
5,300.00	5,257.77	5,638.67	5,401.26	24.40	64.53	19.10	-1,347.96	4,236.18	3,839.57	3,765.58	73.99	51.891		
5,400.00	5,356.88	5,700.00	5,462.47	24.87	64.65	19.18	-1,349.37	4,232.70	3,822.50	3,747.82	74.67	51.191		
5,500.00	5,455.99	5,753.01	5,515.43	25.33	64.75	19.24	-1,350.35	4,230.40	3,806.49	3,731.18	75.31	50.542		
5,600.00	5,555.10	5,811.83	5,574.21	25.79	64.85	19.29	-1,350.98	4,228.73	3,791.63	3,715.68	75.95	49.922		
5,700.00	5,654.21	5,894.78	5,657.15	26.25	64.98	19.37	-1,351.49	4,227.11	3,777.45	3,700.84	76.62	49.302		
5,800.00	5,753.32	5,971.67	5,734.03	26.72	65.11	19.43	-1,351.80	4,226.08	3,763.78	3,686.51	77.27	48.709		
5,900.00	5,852.43	6,059.92	5,822.28	27.18	65.25	19.50	-1,352.12	4,225.38	3,750.61	3,672.66	77.94	48.120		
6,000.00	5,951.54	6,151.03	5,913.39	27.64	65.40	19.57	-1,352.44	4,224.82	3,737.60	3,658.98	78.62	47.540		
6,100.00	6,050.65	6,239.46	6,001.81	28.11	65.54	19.64	-1,352.80	4,224.52	3,724.88	3,645.59	79.29	46.977		
6,200.00	6,149.76	6,332.75	6,095.10	28.57	65.70	19.71	-1,353.22	4,224.45	3,712.42	3,632.44	79.98	46.420		
6,300.00	6,248.87	6,433.45	6,195.80	29.03	65.87	19.78	-1,353.66	4,224.37	3,699.96	3,619.29	80.68	45.862		
6,400.00	6,347.98	6,526.53	6,288.88	29.50	66.03	19.85	-1,353.92	4,224.41	3,687.56	3,606.20	81.36	45.324		
6,475.54	6,422.84	6,591.45	6,353.80	29.85	66.14	19.90	-1,354.03	4,224.63	3,678.38	3,596.51	81.87	44.932		
6,500.00	6,447.14	6,614.67	6,377.02	29.96	66.18	18.46	-1,354.06	4,224.75	3,675.88	3,593.84	82.03	44.810		
6,550.00	6,497.05	6,665.33	6,427.68	30.17	66.27	-2.68	-1,354.15	4,225.01	3,673.43	3,591.07	82.36	44.602		
6,558.91	6,505.96	6,674.38	6,436.73	30.21	66.29	-50.50	-1,354.17	4,225.05	3,673.38	3,590.96	82.41	44.572 CC, ES		
6,600.00	6,547.02	6,717.55	6,479.90	30.37	66.36	-149.58	-1,354.26	4,225.25	3,674.59	3,591.93	82.66	44.453		
6,650.00	6,596.75	6,772.74	6,535.09	30.55	66.46	-153.47	-1,354.31	4,225.47	3,679.29	3,596.35	82.94	44.362		
6,700.00	6,645.93	6,819.38	6,581.73	30.74	66.55	-154.37	-1,354.30	4,225.62	3,687.52	3,604.34	83.17	44.336 SF		
6,750.00	6,694.25	6,857.41	6,619.75	30.93	66.61	-154.54	-1,354.37	4,225.80	3,699.39	3,616.02	83.37	44.375		
6,800.00	6,741.43	6,894.46	6,656.81	31.12	66.68	-154.33	-1,354.55	4,226.05	3,714.85	3,631.32	83.53	44.472		
6,850.00	6,787.16	6,900.00	6,662.35	31.32	66.69	-153.77	-1,354.58	4,226.10	3,733.96	3,650.36	83.60	44.667		
6,900.00	6,831.16	6,900.00	6,662.35	31.52	66.69	-152.90	-1,354.58	4,226.10	3,756.84	3,673.22	83.61	44.932		
6,950.00	6,873.17	6,900.00	6,662.35	31.74	66.69	-151.74	-1,354.58	4,226.10	3,783.28	3,699.68	83.59	45.257		
7,000.00	6,912.92	6,900.00	6,662.35	31.96	66.69	-150.23	-1,354.58	4,226.10	3,813.05	3,729.50	83.55	45.638		
7,050.00	6,950.18	6,900.00	6,662.35	32.21	66.69	-148.33	-1,354.58	4,226.10	3,845.89	3,762.41	83.48	46.069		
7,100.00	6,984.70	6,900.00	6,662.35	32.48	66.69	-145.93	-1,354.58	4,226.10	3,881.52	3,798.13	83.39	46.544		
7,150.00	7,016.29	6,900.00	6,662.35	32.77	66.69	-142.93	-1,354.58	4,226.10	3,919.65	3,836.36	83.29	47.059		
7,200.00	7,044.73	6,900.00	6,662.35	33.10	66.69	-139.14	-1,354.58	4,226.10	3,959.98	3,876.80	83.18	47.607		
7,250.00	7,069.86	6,900.00	6,662.35	33.46	66.69	-134.34	-1,354.58	4,226.10	4,002.20	3,919.13	83.07	48.181		
7,300.00	7,091.53	6,900.00	6,662.35	33.86	66.69	-128.28	-1,354.58	4,226.10	4,045.98	3,963.03	82.95	48.776		
7,350.00	7,109.59	6,900.00	6,662.35	34.30	66.69	-120.64	-1,354.58	4,226.10	4,091.02	4,008.18	82.84	49.385		
7,400.00	7,123.94	6,900.00	6,662.35	34.78	66.69	-111.22	-1,354.58	4,226.10	4,137.00	4,054.27	82.74	50.003		
7,450.00	7,134.49	6,900.00	6,662.35	35.29	66.69	-100.11	-1,354.58	4,226.10	4,183.61	4,100.97	82.64	50.623		
7,500.00	7,141.18	6,900.00	6,662.35	35.84	66.69	-87.92	-1,354.58	4,226.10	4,230.55	4,147.98	82.56	51.240		
7,550.00	7,143.95	6,900.00	6,662.35	36.42	66.69	-75.73	-1,354.58	4,226.10	4,277.51	4,195.01	82.50	51.849		
7,567.79	7,144.00	6,900.00	6,662.35	36.63	66.69	-71.61	-1,354.58	4,226.10	4,294.18	4,211.70	82.48	52.063		
7,600.00	7,143.62	6,900.00	6,662.35	37.03	66.69	-71.61	-1,354.58	4,226.10	4,324.33	4,241.88	82.45	52.448		
7,700.00	7,142.46	6,900.00	6,662.35	38.38	66.69	-71.61	-1,354.58	4,226.10	4,418.12	4,335.74	82.37	53.635		
7,800.00	7,141.29	6,900.00	6,662.35	39.88	66.69	-71.61	-1,354.58	4,226.10	4,512.17	4,429.85	82.32	54.813		
7,900.00	7,140.13	6,900.00	6,662.35	41.53	66.69	-71.61	-1,354.58	4,226.10	4,606.48	4,524.20	82.28	55.983		
8,000.00	7,138.97	6,900.00	6,662.35	43.30	66.69	-71.61	-1,354.58	4,226.10	4,701.02	4,618.76	82.27	57.144		
8,100.00	7,137.80	6,900.00	6,662.35	45.18	66.69	-71.61	-1,354.58	4,226.10	4,795.78	4,713.52	82.26	58.299		
8,200.00	7,136.64	6,900.00	6,662.35	47.16	66.69	-71.61	-1,354.58	4,226.10	4,890.76	4,808.48	82.27	59.446		
8,300.00	7,135.48	6,900.00	6,662.35	49.22	66.69	-71.61	-1,354.58	4,226.10	4,985.92	4,903.63	82.29	60.587		
8,400.00	7,134.32	6,900.00	6,662.35	51.36	66.69	-71.61	-1,354.58	4,226.10	5,081.28	4,998.95	82.33	61.722		
8,500.00	7,133.15	6,900.00	6,662.35	53.56	66.69	-71.61	-1,354.58	4,226.10	5,176.81	5,094.44	82.37	62.851		
8,600.00	7,131.99	6,900.00	6,662.35	55.82	66.69	-71.61	-1,354.58	4,226.10	5,272.50	5,190.09	82.41	63.975		
8,700.00	7,130.83	6,900.00	6,662.35	58.13	66.69	-71.61	-1,354.58	4,226.10	5,368.35	5,285.88	82.47	65.095		
8,800.00	7,129.66	6,900.00	6,662.35	60.49	66.69	-71.61	-1,354.58	4,226.10	5,464.35	5,381.82	82.53	66.210		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	6,900.00	6,662.35	62.89	66.69	-71.61	-1,354.58	4,226.10	5,560.50	5,477.90	82.60	67.320		
9,000.00	7,127.34	6,900.00	6,662.35	65.32	66.69	-71.61	-1,354.58	4,226.10	5,656.77	5,574.10	82.67	68.427		
9,100.00	7,126.17	6,900.00	6,662.35	67.79	66.69	-71.61	-1,354.58	4,226.10	5,753.17	5,670.43	82.74	69.530		
9,200.00	7,125.01	6,900.00	6,662.35	70.28	66.69	-71.61	-1,354.58	4,226.10	5,849.70	5,766.87	82.82	70.629		
9,300.00	7,123.85	6,900.00	6,662.35	72.80	66.69	-71.61	-1,354.58	4,226.10	5,946.33	5,863.43	82.90	71.726		
9,400.00	7,122.68	6,900.00	6,662.35	75.34	66.69	-71.61	-1,354.58	4,226.10	6,043.08	5,960.09	82.99	72.818		
9,500.00	7,121.52	6,900.00	6,662.35	77.91	66.69	-71.61	-1,354.58	4,226.10	6,139.93	6,056.86	83.07	73.908		
9,600.00	7,120.36	6,900.00	6,662.35	80.49	66.69	-71.61	-1,354.58	4,226.10	6,236.89	6,153.72	83.16	74.995		
9,700.00	7,119.19	6,900.00	6,662.35	83.09	66.69	-71.61	-1,354.58	4,226.10	6,333.93	6,250.68	83.25	76.080		
9,800.00	7,118.03	6,900.00	6,662.35	85.70	66.69	-71.61	-1,354.58	4,226.10	6,431.07	6,347.72	83.35	77.161		
9,900.00	7,116.87	6,900.00	6,662.35	88.33	66.69	-71.61	-1,354.58	4,226.10	6,528.29	6,444.85	83.44	78.240		
10,000.00	7,115.70	6,900.00	6,662.35	90.98	66.69	-71.61	-1,354.58	4,226.10	6,625.60	6,542.06	83.53	79.317		
10,100.00	7,114.54	6,900.00	6,662.35	93.63	66.69	-71.61	-1,354.58	4,226.10	6,722.98	6,639.35	83.63	80.391		
10,200.00	7,113.38	6,900.00	6,662.35	96.29	66.69	-71.61	-1,354.58	4,226.10	6,820.44	6,736.72	83.72	81.463		
10,300.00	7,112.21	6,900.00	6,662.35	98.97	66.69	-71.61	-1,354.58	4,226.10	6,917.97	6,834.15	83.82	82.533		
10,400.00	7,111.05	6,900.00	6,662.35	101.65	66.69	-71.61	-1,354.58	4,226.10	7,015.58	6,931.66	83.92	83.601		
10,500.00	7,109.89	6,900.00	6,662.35	104.34	66.69	-71.61	-1,354.58	4,226.10	7,113.24	7,029.23	84.01	84.666		
10,600.00	7,108.72	6,900.00	6,662.35	107.04	66.69	-71.61	-1,354.58	4,226.10	7,210.98	7,126.86	84.11	85.730		
10,700.00	7,107.56	6,900.00	6,662.35	109.75	66.69	-71.61	-1,354.58	4,226.10	7,308.77	7,224.56	84.21	86.791		
10,800.00	7,106.40	6,900.00	6,662.35	112.47	66.69	-71.61	-1,354.58	4,226.10	7,406.62	7,322.32	84.31	87.851		
10,900.00	7,105.24	6,900.00	6,662.35	115.19	66.69	-71.61	-1,354.58	4,226.10	7,504.53	7,420.13	84.41	88.908		
11,000.00	7,104.07	6,900.00	6,662.35	117.91	66.69	-71.61	-1,354.58	4,226.10	7,602.50	7,517.99	84.51	89.964		
11,100.00	7,102.91	6,900.00	6,662.35	120.64	66.69	-71.61	-1,354.58	4,226.10	7,700.51	7,615.91	84.60	91.018		
11,200.00	7,101.75	6,900.00	6,662.35	123.38	66.69	-71.61	-1,354.58	4,226.10	7,798.58	7,713.88	84.70	92.069		
11,300.00	7,100.58	6,900.00	6,662.35	126.12	66.69	-71.61	-1,354.58	4,226.10	7,896.70	7,811.89	84.80	93.119		
11,400.00	7,099.42	6,900.00	6,662.35	128.87	66.69	-71.61	-1,354.58	4,226.10	7,994.86	7,909.96	84.90	94.167		
11,500.00	7,098.26	6,900.00	6,662.35	131.62	66.69	-71.61	-1,354.58	4,226.10	8,093.07	8,008.07	85.00	95.213		
11,600.00	7,097.09	6,900.00	6,662.35	134.37	66.69	-71.61	-1,354.58	4,226.10	8,191.32	8,106.22	85.10	96.258		
11,700.00	7,095.93	6,900.00	6,662.35	137.13	66.69	-71.61	-1,354.58	4,226.10	8,289.61	8,204.41	85.20	97.300		
11,800.00	7,094.77	6,900.00	6,662.35	139.89	66.69	-71.61	-1,354.58	4,226.10	8,387.94	8,302.65	85.29	98.341		
11,900.00	7,093.60	6,900.00	6,662.35	142.65	66.69	-71.61	-1,354.58	4,226.10	8,486.31	8,400.92	85.39	99.380		
12,000.00	7,092.44	6,900.00	6,662.35	145.42	66.69	-71.61	-1,354.58	4,226.10	8,584.72	8,499.23	85.49	100.417		
12,100.00	7,091.28	6,900.00	6,662.35	148.19	66.69	-71.61	-1,354.58	4,226.10	8,683.17	8,597.58	85.59	101.452		
12,200.00	7,090.11	6,900.00	6,662.35	150.96	66.69	-71.61	-1,354.58	4,226.10	8,781.65	8,695.96	85.69	102.486		
12,300.00	7,088.95	6,900.00	6,662.35	153.74	66.69	-71.61	-1,354.58	4,226.10	8,880.16	8,794.38	85.78	103.517		
12,400.00	7,087.79	6,900.00	6,662.35	156.52	66.69	-71.61	-1,354.58	4,226.10	8,978.71	8,892.83	85.88	104.547		
12,500.00	7,086.62	6,900.00	6,662.35	159.30	66.69	-71.61	-1,354.58	4,226.10	9,077.29	8,991.31	85.98	105.575		
12,600.00	7,085.46	6,900.00	6,662.35	162.08	66.69	-71.61	-1,354.58	4,226.10	9,175.90	9,089.82	86.08	106.602		
12,700.00	7,084.30	6,900.00	6,662.35	164.86	66.69	-71.61	-1,354.58	4,226.10	9,274.54	9,188.36	86.17	107.626		
12,800.00	7,083.13	6,900.00	6,662.35	167.65	66.69	-71.61	-1,354.58	4,226.10	9,373.21	9,286.94	86.27	108.649		
12,900.00	7,081.97	6,900.00	6,662.35	170.44	66.69	-71.61	-1,354.58	4,226.10	9,471.90	9,385.54	86.37	109.669		
13,000.00	7,080.81	6,900.00	6,662.35	173.23	66.69	-71.61	-1,354.58	4,226.10	9,570.63	9,484.16	86.46	110.688		
13,100.00	7,079.64	6,900.00	6,662.35	176.02	66.69	-71.61	-1,354.58	4,226.10	9,669.38	9,582.82	86.56	111.705		
13,200.00	7,078.48	6,900.00	6,662.35	178.81	66.69	-71.61	-1,354.58	4,226.10	9,768.15	9,681.49	86.66	112.720		
13,300.00	7,077.32	6,900.00	6,662.35	181.61	66.69	-71.61	-1,354.58	4,226.10	9,866.95	9,780.20	86.75	113.734		
13,400.00	7,076.16	6,900.00	6,662.35	184.40	66.69	-71.61	-1,354.58	4,226.10	9,965.78	9,878.92	86.85	114.745		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	85.68	38.99	516.66	518.18					
100.00	100.00	100.22	100.21	3.28	3.29	85.71	38.74	515.98	517.48	510.91	6.57	78.729		
200.00	200.00	203.14	203.12	3.34	3.34	85.75	38.25	514.20	515.72	509.05	6.67	77.275		
300.00	300.00	302.11	302.06	3.44	3.44	85.82	37.41	512.20	513.64	506.75	6.89	74.592		
400.00	399.98	400.35	400.30	3.60	3.60	-5.65	36.85	510.89	510.53	503.34	7.19	70.966		
500.00	499.84	503.74	503.67	3.80	3.80	-5.71	36.56	509.06	503.54	495.94	7.60	66.230		
600.00	599.45	607.32	607.21	4.04	4.06	-5.84	36.41	506.41	492.33	484.23	8.09	60.827		
682.50	681.36	688.15	688.01	4.26	4.27	-6.02	36.50	503.91	480.06	471.52	8.54	56.244		
700.00	698.71	704.78	704.63	4.32	4.32	-6.04	36.42	503.46	477.26	468.63	8.63	55.275		
800.00	797.82	805.38	805.18	4.62	4.62	-6.08	35.12	500.79	461.31	452.08	9.23	49.997		
900.00	896.93	900.67	900.42	4.95	4.93	-6.04	33.27	498.15	445.19	435.35	9.85	45.220		
1,000.00	996.04	996.74	996.47	5.30	5.26	-6.07	31.98	496.34	429.99	419.49	10.50	40.940		
1,100.00	1,095.15	1,098.38	1,098.08	5.67	5.61	-6.14	30.88	494.44	414.83	403.62	11.21	37.007		
1,200.00	1,194.26	1,204.64	1,204.28	6.05	6.00	-6.26	29.95	490.92	398.25	386.30	11.95	33.315		
1,300.00	1,293.37	1,292.91	1,292.48	6.45	6.33	-6.46	29.66	487.71	381.48	368.82	12.66	30.127		
1,400.00	1,392.48	1,386.31	1,385.86	6.85	6.67	-6.97	31.49	486.90	367.57	354.18	13.39	27.448		
1,500.00	1,491.59	1,482.69	1,482.15	7.26	7.02	-7.86	35.41	486.79	354.66	340.52	14.14	25.083		
1,600.00	1,590.70	1,584.06	1,583.34	7.68	7.39	-9.20	41.49	486.50	341.93	327.01	14.92	22.922		
1,700.00	1,689.81	1,681.74	1,680.71	8.10	7.76	-10.90	49.04	485.71	329.16	313.46	15.70	20.962		
1,800.00	1,788.92	1,772.03	1,770.46	8.53	8.11	-13.07	58.95	485.85	318.26	301.77	16.48	19.307		
1,900.00	1,888.03	1,873.17	1,870.84	8.96	8.50	-15.87	71.33	486.56	308.79	291.48	17.31	17.834		
2,000.00	1,987.14	1,972.84	1,969.50	9.39	8.91	-19.20	85.40	486.03	299.46	281.30	18.16	16.488		
2,100.00	2,086.25	2,072.29	2,067.77	9.83	9.34	-23.01	100.60	484.52	290.73	271.70	19.03	15.277		
2,200.00	2,185.36	2,171.13	2,165.47	10.27	9.78	-26.99	115.48	482.67	282.95	263.04	19.91	14.212		
2,300.00	2,284.47	2,271.51	2,264.75	10.71	10.23	-31.20	130.06	480.19	275.85	255.04	20.80	13.259		
2,400.00	2,383.58	2,371.37	2,363.56	11.15	10.68	-35.61	144.14	476.94	269.42	247.72	21.71	12.413		
2,500.00	2,482.69	2,470.48	2,461.63	11.60	11.14	-40.22	157.88	472.91	263.89	241.28	22.61	11.672		
2,600.00	2,581.80	2,569.32	2,559.41	12.05	11.60	-45.05	171.54	468.40	259.78	236.27	23.51	11.048		
2,700.00	2,680.91	2,668.47	2,657.52	12.50	12.07	-50.08	184.90	463.13	256.86	232.44	24.42	10.519		
2,800.00	2,780.02	2,766.86	2,754.85	12.95	12.53	-55.23	198.01	457.30	255.53	230.22	25.31	10.094		
2,828.41	2,808.18	2,794.82	2,782.51	13.07	12.67	-56.72	201.70	455.55	255.46	229.89	25.57	9.992 CC		
2,900.00	2,879.13	2,865.17	2,852.11	13.40	13.01	-60.46	210.90	450.97	255.91	229.71	26.20	9.767 ES		
3,000.00	2,978.24	2,962.91	2,948.80	13.85	13.48	-65.66	223.51	444.29	258.14	231.06	27.07	9.535		
3,100.00	3,077.35	3,061.54	3,046.40	14.30	13.95	-70.79	235.98	437.39	262.24	234.30	27.94	9.386		
3,200.00	3,176.46	3,154.64	3,138.57	14.76	14.41	-75.34	247.62	431.43	268.44	239.71	28.74	9.342		
3,300.00	3,275.57	3,250.50	3,233.41	15.21	14.88	-79.51	260.85	427.02	278.05	248.50	29.55	9.410		
3,400.00	3,374.68	3,349.58	3,331.45	15.67	15.37	-83.58	274.28	422.09	288.84	258.44	30.40	9.503		
3,500.00	3,473.79	3,447.64	3,428.55	16.12	15.85	-87.32	287.07	417.15	300.47	269.24	31.23	9.622		
3,600.00	3,572.90	3,546.98	3,526.93	16.58	16.34	-90.89	299.77	411.79	313.04	280.97	32.08	9.759		
3,700.00	3,672.01	3,645.68	3,624.76	17.04	16.82	-94.15	311.78	406.48	326.11	293.19	32.92	9.906		
3,800.00	3,771.12	3,741.34	3,719.56	17.50	17.29	-97.08	323.45	401.28	340.18	306.45	33.72	10.087		
3,900.00	3,870.23	3,845.06	3,822.38	17.95	17.80	-100.08	335.67	395.23	354.79	320.15	34.64	10.243		
4,000.00	3,969.34	3,955.11	3,931.75	18.41	18.32	-103.18	345.46	388.22	367.53	331.93	35.60	10.323		
4,100.00	4,068.45	4,072.36	4,048.70	18.87	18.84	-106.17	351.33	382.36	377.07	340.48	36.58	10.308		
4,200.00	4,167.56	4,182.59	4,158.83	19.33	19.29	-108.92	351.24	377.98	382.08	344.61	37.46	10.199		
4,300.00	4,266.67	4,283.29	4,259.46	19.79	19.69	-111.34	350.68	374.33	387.34	349.03	38.31	10.112		
4,400.00	4,365.78	4,385.34	4,361.48	20.25	20.09	-113.61	349.07	371.84	391.88	352.72	39.15	10.009		
4,500.00	4,464.89	4,482.90	4,458.99	20.71	20.47	-115.74	347.45	369.35	396.95	356.96	39.99	9.926		
4,600.00	4,564.00	4,582.95	4,559.01	21.17	20.86	-117.70	346.49	367.91	402.74	361.90	40.83	9.863		
4,700.00	4,663.11	4,681.24	4,657.29	21.63	21.24	-119.10	346.76	369.59	408.58	366.91	41.67	9.805		
4,800.00	4,762.22	4,778.07	4,754.11	22.09	21.62	-120.43	347.53	371.00	415.23	372.72	42.50	9.769		
4,900.00	4,861.33	4,875.41	4,851.42	22.56	22.01	-121.71	348.83	372.31	422.64	379.29	43.35	9.750		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,974.11	4,950.11	23.02	22.41	-122.98	350.34	373.36	430.57	386.37	44.20	9.742		
5,100.00	5,059.55	5,070.92	5,046.91	23.48	22.81	-124.22	351.91	374.06	438.97	393.92	45.05	9.745		
5,200.00	5,158.66	5,169.23	5,145.20	23.94	23.21	-125.44	353.77	374.36	448.02	402.12	45.90	9.760		
5,300.00	5,257.77	5,267.34	5,243.29	24.40	23.62	-126.64	355.64	374.43	457.44	410.68	46.76	9.783		
5,400.00	5,356.88	5,365.13	5,341.06	24.87	24.04	-127.82	357.56	374.15	467.30	419.68	47.62	9.814		
5,500.00	5,455.99	5,458.84	5,434.74	25.33	24.43	-128.93	359.78	373.34	478.02	429.57	48.45	9.867		
5,600.00	5,555.10	5,555.98	5,531.83	25.79	24.85	-130.03	362.68	372.01	489.72	440.42	49.30	9.933		
5,700.00	5,654.21	5,676.98	5,652.81	26.25	25.35	-131.37	363.84	372.03	499.10	448.81	50.29	9.925		
5,800.00	5,753.32	5,770.68	5,746.50	26.72	25.72	-132.37	363.78	372.75	507.47	456.36	51.11	9.929		
5,900.00	5,852.43	5,865.62	5,841.44	27.18	26.11	-133.35	364.44	372.95	516.95	465.00	51.95	9.951		
6,000.00	5,951.54	5,961.18	5,937.00	27.64	26.51	-134.30	365.54	372.59	527.32	474.53	52.79	9.988		
6,100.00	6,050.65	6,056.83	6,032.63	28.11	26.92	-135.25	366.96	371.67	538.47	484.83	53.64	10.039		
6,200.00	6,149.76	6,151.93	6,127.70	28.57	27.32	-136.15	368.81	370.32	550.42	495.94	54.48	10.104		
6,300.00	6,248.87	6,253.11	6,228.83	29.03	27.76	-137.10	370.98	368.23	563.11	507.75	55.36	10.171		
6,400.00	6,347.98	6,341.71	6,312.20	29.50	28.81	-137.52	364.27	406.34	567.31	512.58	54.73	10.366		
6,475.54	6,422.84	6,650.35	6,611.75	29.85	29.13	-135.70	359.00	449.38	550.54	496.07	54.47	10.106		
6,500.00	6,447.14	6,705.82	6,659.90	29.96	29.28	-134.93	356.78	476.80	543.06	489.36	53.69	10.114		
6,550.00	6,497.05	6,754.70	6,700.96	30.17	29.41	-152.60	355.19	503.27	524.81	470.65	54.16	9.690		
6,600.00	6,547.02	6,802.00	6,740.00	30.37	29.53	64.76	354.11	529.96	504.57	449.92	54.66	9.232		
6,650.00	6,596.75	6,857.09	6,784.23	30.55	29.66	66.70	352.83	562.77	482.50	427.60	54.90	8.789		
6,700.00	6,645.93	6,903.42	6,820.15	30.74	29.78	72.03	351.46	591.99	459.33	403.88	55.45	8.284		
6,750.00	6,694.25	6,935.95	6,844.51	30.93	29.97	77.32	350.69	613.53	436.70	380.11	56.59	7.717		
6,800.00	6,741.43	6,962.25	6,863.64	31.12	30.13	82.35	350.26	631.57	416.08	358.14	57.94	7.181		
6,850.00	6,787.16	6,981.99	6,877.65	31.32	30.26	86.51	350.05	645.48	398.90	339.48	59.41	6.714		
6,900.00	6,831.16	6,996.69	6,887.87	31.52	30.36	89.65	349.96	656.04	386.42	325.64	60.78	6.358		
6,950.00	6,873.17	7,006.07	6,894.28	31.74	30.44	91.56	349.92	662.89	379.71	317.86	61.84	6.140		
6,977.16	6,895.06	7,009.05	6,896.30	31.86	30.46	92.05	349.90	665.08	378.73	316.50	62.23	6.086		
7,000.00	6,912.92	7,010.55	6,897.31	31.96	30.47	92.18	349.90	666.19	379.43	317.00	62.42	6.078 SF		
7,050.00	6,950.18	7,011.00	6,897.62	32.21	30.48	91.61	349.90	666.52	385.75	323.30	62.45	6.177		
7,100.00	6,984.70	7,008.14	6,895.68	32.48	30.45	89.96	349.91	664.41	398.35	336.36	61.99	6.426		
7,150.00	7,016.29	7,002.52	6,891.87	32.77	30.41	87.33	349.93	660.28	416.50	355.29	61.21	6.805		
7,200.00	7,044.73	6,994.61	6,886.44	33.10	30.35	83.84	349.97	654.53	439.29	379.01	60.28	7.287		
7,250.00	7,069.86	6,988.00	6,881.85	33.46	30.30	80.10	350.01	649.77	465.75	406.26	59.49	7.829		
7,300.00	7,091.53	6,972.94	6,871.26	33.86	30.20	74.90	350.13	639.06	494.90	436.35	58.55	8.452		
7,350.00	7,109.59	6,959.53	6,861.69	34.30	30.12	69.83	350.30	629.68	525.99	468.09	57.90	9.085		
7,400.00	7,123.94	6,944.70	6,850.93	34.78	30.02	64.67	350.53	619.47	558.27	500.85	57.42	9.723		
7,450.00	7,134.49	6,928.62	6,839.09	35.29	29.92	59.62	350.85	608.60	591.17	534.06	57.11	10.351		
7,500.00	7,141.18	6,911.45	6,826.23	35.84	29.82	54.86	351.26	597.23	624.21	567.24	56.97	10.956		
7,550.00	7,143.95	6,893.00	6,812.17	36.42	29.75	50.46	351.79	585.29	656.98	600.00	56.98	11.531		
7,567.79	7,144.00	6,885.39	6,806.31	36.63	29.73	48.95	352.03	580.44	668.50	611.52	56.98	11.733		
7,600.00	7,143.62	6,871.04	6,795.17	37.03	29.70	48.08	352.45	571.41	689.48	632.50	56.98	12.100		
7,700.00	7,142.46	6,829.14	6,761.99	38.38	29.59	45.63	353.53	545.85	757.30	700.19	57.11	13.262		
7,800.00	7,141.29	6,798.00	6,736.73	39.88	29.52	43.89	354.18	527.65	828.78	771.22	57.55	14.400		
7,900.00	7,140.13	6,752.72	6,699.31	41.53	29.40	41.53	355.25	502.17	903.12	845.54	57.58	15.683		
8,000.00	7,138.97	6,717.22	6,669.55	43.30	29.31	39.82	356.37	482.87	979.98	922.11	57.87	16.933		
8,100.00	7,137.80	6,703.00	6,657.51	45.18	29.27	39.17	356.89	475.30	1,059.23	1,000.64	58.59	18.078		
8,200.00	7,136.64	6,671.81	6,630.67	47.16	29.19	37.80	358.11	459.48	1,140.43	1,081.57	58.87	19.373		
8,300.00	7,135.48	6,654.55	6,615.48	49.22	29.14	37.06	358.83	451.31	1,223.84	1,164.50	59.34	20.623		
8,400.00	7,134.32	6,638.91	6,601.53	51.36	29.09	36.40	359.50	444.27	1,308.99	1,249.22	59.77	21.901		
8,500.00	7,133.15	6,607.00	6,572.56	53.56	29.01	35.12	360.93	430.99	1,395.98	1,336.07	59.90	23.303		
8,600.00	7,131.99	6,607.00	6,572.56	55.82	29.01	35.12	360.93	430.99	1,483.57	1,423.15	60.43	24.552		
8,700.00	7,130.83	6,607.00	6,572.56	58.13	29.01	35.12	360.93	430.99	1,572.65	1,511.79	60.86	25.841		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,800.00	7,129.66	6,572.38	6,540.65	60.49	28.90	33.80	362.62	417.67	1,662.30	1,601.41	60.89	27.299		
8,900.00	7,128.50	6,552.31	6,522.05	62.89	28.84	33.09	363.68	410.20	1,752.71	1,691.65	61.06	28.705		
9,000.00	7,127.34	6,533.21	6,504.28	65.32	28.78	32.44	364.75	403.27	1,843.70	1,782.48	61.22	30.116		
9,100.00	7,126.17	6,512.00	6,484.48	67.79	28.72	31.74	366.00	395.78	1,935.24	1,873.89	61.35	31.544		
9,200.00	7,125.01	6,512.00	6,484.48	70.28	28.72	31.74	366.00	395.78	2,027.36	1,965.75	61.62	32.903		
9,300.00	7,123.85	6,512.00	6,484.48	72.80	28.72	31.74	366.00	395.78	2,120.20	2,058.35	61.85	34.281		
9,400.00	7,122.68	6,512.00	6,484.48	75.34	28.72	31.74	366.00	395.78	2,213.65	2,151.60	62.05	35.675		
9,500.00	7,121.52	6,512.00	6,484.48	77.91	28.72	31.74	366.00	395.78	2,307.66	2,245.43	62.23	37.083		
9,600.00	7,120.36	6,512.00	6,484.48	80.49	28.72	31.74	366.00	395.78	2,402.15	2,339.76	62.39	38.502		
9,700.00	7,119.19	6,512.00	6,484.48	83.09	28.72	31.74	366.00	395.78	2,497.07	2,434.54	62.53	39.932		
9,800.00	7,118.03	6,512.00	6,484.48	85.70	28.72	31.74	366.00	395.78	2,592.37	2,529.71	62.66	41.371		
9,900.00	7,116.87	6,512.00	6,484.48	88.33	28.72	31.74	366.00	395.78	2,688.02	2,625.24	62.78	42.818		
10,000.00	7,115.70	6,470.20	6,444.67	90.98	28.58	30.42	368.20	383.26	2,781.60	2,718.85	62.75	44.330		
10,100.00	7,114.54	6,466.86	6,441.44	93.63	28.57	30.31	368.35	382.44	2,877.44	2,814.59	62.85	45.785		
10,200.00	7,113.38	6,463.72	6,438.40	96.29	28.56	30.21	368.48	381.70	2,973.53	2,910.59	62.94	47.244		
10,300.00	7,112.21	6,460.77	6,435.52	98.97	28.55	30.12	368.60	381.01	3,069.84	3,006.81	63.03	48.706		
10,400.00	7,111.05	6,457.97	6,432.80	101.65	28.54	30.03	368.72	380.39	3,166.36	3,103.25	63.11	50.172		
10,500.00	7,109.89	6,417.00	6,392.48	104.34	28.40	28.77	369.99	373.37	3,265.04	3,201.95	63.09	51.756		
10,600.00	7,108.72	6,417.00	6,392.48	107.04	28.40	28.77	369.99	373.37	3,361.67	3,298.50	63.17	53.213		
10,700.00	7,107.56	6,417.00	6,392.48	109.75	28.40	28.77	369.99	373.37	3,458.50	3,395.24	63.26	54.673		
10,800.00	7,106.40	6,417.00	6,392.48	112.47	28.40	28.77	369.99	373.37	3,555.50	3,492.16	63.34	56.136		
10,900.00	7,105.24	6,417.00	6,392.48	115.19	28.40	28.77	369.99	373.37	3,652.66	3,589.25	63.41	57.600		
11,000.00	7,104.07	6,417.00	6,392.48	117.91	28.40	28.77	369.99	373.37	3,749.97	3,686.48	63.49	59.067		
11,100.00	7,102.91	6,417.00	6,392.48	120.64	28.40	28.77	369.99	373.37	3,847.42	3,783.86	63.56	60.535		
11,200.00	7,101.75	6,417.00	6,392.48	123.38	28.40	28.77	369.99	373.37	3,945.00	3,881.37	63.63	62.003		
11,300.00	7,100.58	6,417.00	6,392.48	126.12	28.40	28.77	369.99	373.37	4,042.70	3,979.00	63.69	63.473		
11,400.00	7,099.42	6,417.00	6,392.48	128.87	28.40	28.77	369.99	373.37	4,140.50	4,076.74	63.76	64.942		
11,500.00	7,098.26	6,417.00	6,392.48	131.62	28.40	28.77	369.99	373.37	4,238.41	4,174.59	63.82	66.412		
11,600.00	7,097.09	6,417.00	6,392.48	134.37	28.40	28.77	369.99	373.37	4,336.41	4,272.53	63.88	67.881		
11,700.00	7,095.93	6,417.00	6,392.48	137.13	28.40	28.77	369.99	373.37	4,434.51	4,370.56	63.94	69.350		
11,800.00	7,094.77	6,417.00	6,392.48	139.89	28.40	28.77	369.99	373.37	4,532.68	4,468.68	64.00	70.818		
11,900.00	7,093.60	6,417.00	6,392.48	142.65	28.40	28.77	369.99	373.37	4,630.94	4,566.87	64.06	72.286		
12,000.00	7,092.44	6,417.00	6,392.48	145.42	28.40	28.77	369.99	373.37	4,729.26	4,665.14	64.12	73.752		
12,100.00	7,091.28	6,417.00	6,392.48	148.19	28.40	28.77	369.99	373.37	4,827.66	4,763.48	64.18	75.217		
12,200.00	7,090.11	6,417.00	6,392.48	150.96	28.40	28.77	369.99	373.37	4,926.12	4,861.88	64.24	76.680		
12,300.00	7,088.95	6,417.00	6,392.48	153.74	28.40	28.77	369.99	373.37	5,024.64	4,960.34	64.30	78.142		
12,400.00	7,087.79	6,417.00	6,392.48	156.52	28.40	28.77	369.99	373.37	5,123.22	5,058.86	64.36	79.603		
12,500.00	7,086.62	6,417.00	6,392.48	159.30	28.40	28.77	369.99	373.37	5,221.86	5,157.44	64.42	81.061		
12,600.00	7,085.46	6,417.00	6,392.48	162.08	28.40	28.77	369.99	373.37	5,320.54	5,256.06	64.48	82.517		
12,700.00	7,084.30	6,417.00	6,392.48	164.86	28.40	28.77	369.99	373.37	5,419.27	5,354.73	64.54	83.972		
12,800.00	7,083.13	6,417.00	6,392.48	167.65	28.40	28.77	369.99	373.37	5,518.05	5,453.45	64.60	85.424		
12,900.00	7,081.97	6,417.00	6,392.48	170.44	28.40	28.77	369.99	373.37	5,616.87	5,552.21	64.66	86.873		
13,000.00	7,080.81	6,417.00	6,392.48	173.23	28.40	28.77	369.99	373.37	5,715.73	5,651.02	64.72	88.320		
13,100.00	7,079.64	6,417.00	6,392.48	176.02	28.40	28.77	369.99	373.37	5,814.63	5,749.86	64.78	89.765		
13,200.00	7,078.48	6,417.00	6,392.48	178.81	28.40	28.77	369.99	373.37	5,913.57	5,848.73	64.84	91.206		
13,300.00	7,077.32	6,417.00	6,392.48	181.61	28.40	28.77	369.99	373.37	6,012.55	5,947.65	64.90	92.645		
13,400.00	7,076.16	6,417.00	6,392.48	184.40	28.40	28.77	369.99	373.37	6,111.55	6,046.59	64.96	94.081		
13,500.00	7,074.99	6,417.00	6,392.48	187.20	28.40	28.77	369.99	373.37	6,210.59	6,145.57	65.02	95.515		
13,600.00	7,073.83	6,417.00	6,392.48	190.00	28.40	28.77	369.99	373.37	6,309.66	6,244.57	65.09	96.945		
13,700.00	7,072.67	6,417.00	6,392.48	192.80	28.40	28.77	369.99	373.37	6,408.76	6,343.61	65.15	98.371		
13,800.00	7,071.50	6,417.00	6,392.48	195.60	28.40	28.77	369.99	373.37	6,507.88	6,442.67	65.21	99.795		
13,900.00	7,070.34	6,417.00	6,392.48	198.41	28.40	28.77	369.99	373.37	6,607.03	6,541.76	65.28	101.216		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,000.00	7,069.18	6,417.00	6,392.48	201.21	28.40	28.77	369.99	373.37	6,706.21	6,640.87	65.34	102.633		
14,100.00	7,068.01	6,417.00	6,392.48	204.02	28.40	28.77	369.99	373.37	6,805.41	6,740.00	65.41	104.046		
14,200.00	7,066.85	6,417.00	6,392.48	206.82	28.40	28.77	369.99	373.37	6,904.64	6,839.16	65.47	105.456		
14,300.00	7,065.69	6,417.00	6,392.48	209.63	28.40	28.77	369.99	373.37	7,003.88	6,938.34	65.54	106.863		
14,400.00	7,064.52	6,417.00	6,392.48	212.44	28.40	28.77	369.99	373.37	7,103.15	7,037.54	65.61	108.266		
14,500.00	7,063.36	6,417.00	6,392.48	215.25	28.40	28.77	369.99	373.37	7,202.44	7,136.76	65.68	109.665		
14,600.00	7,062.20	6,417.00	6,392.48	218.06	28.40	28.77	369.99	373.37	7,301.74	7,236.00	65.75	111.061		
14,700.00	7,061.03	6,417.00	6,392.48	220.87	28.40	28.77	369.99	373.37	7,401.07	7,335.25	65.81	112.453		
14,800.00	7,059.87	6,417.00	6,392.48	223.68	28.40	28.77	369.99	373.37	7,500.41	7,434.53	65.89	113.841		
14,900.00	7,058.71	6,417.00	6,392.48	226.49	28.40	28.77	369.99	373.37	7,599.77	7,533.82	65.96	115.225		
15,000.00	7,057.54	6,417.00	6,392.48	229.30	28.40	28.77	369.99	373.37	7,699.15	7,633.12	66.03	116.605		
15,100.00	7,056.38	6,417.00	6,392.48	232.12	28.40	28.77	369.99	373.37	7,798.54	7,732.44	66.10	117.981		
15,200.00	7,055.22	6,417.00	6,392.48	234.93	28.40	28.77	369.99	373.37	7,897.95	7,831.78	66.17	119.353		
15,300.00	7,054.05	6,417.00	6,392.48	237.75	28.40	28.77	369.99	373.37	7,997.38	7,931.13	66.25	120.721		
15,400.00	7,052.89	6,417.00	6,392.48	240.56	28.40	28.77	369.99	373.37	8,096.81	8,030.49	66.32	122.085		
15,500.00	7,051.73	6,417.00	6,392.48	243.38	28.40	28.77	369.99	373.37	8,196.26	8,129.87	66.40	123.445		
15,600.00	7,050.56	6,417.00	6,392.48	246.20	28.40	28.77	369.99	373.37	8,295.73	8,229.26	66.47	124.801		
15,648.52	7,050.00	6,417.00	6,392.48	247.57	28.40	28.77	369.99	373.37	8,344.00	8,277.49	66.51	125.457		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	88.98	9.12	513.60	513.73					
100.00	100.00	99.49	99.49	3.28	3.30	89.04	8.59	512.50	512.62	506.03	6.58	77.850		
200.00	200.00	200.57	200.55	3.34	3.38	89.12	7.82	511.22	511.33	504.62	6.71	76.166		
300.00	300.00	303.03	302.99	3.44	3.51	89.19	7.16	509.47	509.62	502.66	6.96	73.266		
400.00	399.98	403.29	403.23	3.60	3.69	-2.26	6.66	507.44	505.84	498.55	7.29	69.383		
500.00	499.84	509.94	509.85	3.80	3.93	-2.23	6.04	504.64	497.99	490.26	7.73	64.409		
600.00	599.45	614.05	613.87	4.04	4.20	-2.22	5.47	500.57	485.39	477.14	8.24	58.872		
682.50	681.36	690.36	690.12	4.26	4.42	-2.21	4.94	497.69	472.50	463.82	8.68	54.429		
700.00	698.71	707.21	706.97	4.32	4.47	-2.20	4.79	497.14	469.60	460.82	8.78	53.468		
800.00	797.82	807.47	807.15	4.62	4.79	-2.20	4.21	493.58	452.78	443.40	9.39	48.245		
900.00	896.93	899.61	899.26	4.95	5.09	-2.16	3.43	491.00	436.69	426.69	10.00	43.671		
1,000.00	996.04	997.77	997.40	5.30	5.43	-2.09	2.36	489.07	421.43	410.76	10.67	39.492		
1,100.00	1,095.15	1,101.08	1,100.66	5.67	5.80	-1.91	0.61	486.46	405.61	394.22	11.39	35.612		
1,200.00	1,194.26	1,202.53	1,202.01	6.05	6.18	-1.62	-1.80	482.88	388.80	376.67	12.13	32.065		
1,300.00	1,293.37	1,301.05	1,300.42	6.45	6.56	-1.27	-4.44	479.14	371.75	358.88	12.87	28.880		
1,400.00	1,392.48	1,398.61	1,397.88	6.85	6.94	-0.86	-7.19	475.57	354.84	341.21	13.63	26.028		
1,500.00	1,491.59	1,494.51	1,493.70	7.26	7.32	-0.46	-9.68	472.58	338.48	324.08	14.40	23.500		
1,600.00	1,590.70	1,591.87	1,591.02	7.68	7.71	-0.17	-11.38	470.25	322.83	307.64	15.19	21.253		
1,700.00	1,689.81	1,696.62	1,695.69	8.10	8.14	0.21	-13.35	466.65	306.17	290.17	16.00	19.136		
1,800.00	1,788.92	1,796.44	1,795.30	8.53	8.55	1.14	-17.75	462.10	288.52	271.71	16.81	17.162		
1,900.00	1,888.03	1,894.72	1,893.15	8.96	8.97	2.88	-25.33	456.92	270.45	252.82	17.63	15.336		
2,000.00	1,987.14	1,988.98	1,987.00	9.39	9.38	4.86	-33.07	452.81	253.62	235.15	18.47	13.732		
2,100.00	2,086.25	2,087.58	2,085.24	9.83	9.80	7.11	-40.93	449.75	238.34	219.02	19.31	12.340		
2,200.00	2,185.36	2,189.38	2,186.45	10.27	10.25	10.21	-50.35	444.32	221.53	201.36	20.17	10.981		
2,300.00	2,284.47	2,284.31	2,280.88	10.71	10.67	13.45	-58.87	439.65	205.77	184.72	21.05	9.775		
2,400.00	2,383.58	2,379.39	2,375.55	11.15	11.09	16.96	-67.16	436.72	192.43	170.50	21.93	8.775		
2,500.00	2,482.69	2,479.93	2,475.72	11.60	11.54	20.96	-75.54	434.58	180.72	157.91	22.82	7.921		
2,600.00	2,581.80	2,580.50	2,575.81	12.05	11.99	25.92	-83.97	429.73	167.62	143.90	23.72	7.067		
2,700.00	2,680.91	2,678.03	2,672.88	12.50	12.44	31.53	-92.26	425.04	155.98	131.35	24.64	6.332		
2,800.00	2,780.02	2,775.56	2,769.96	12.95	12.88	37.87	-100.54	420.63	146.33	120.78	25.56	5.726		
2,900.00	2,879.13	2,872.80	2,866.81	13.40	13.32	44.55	-108.47	417.21	139.21	112.74	26.47	5.259		
3,000.00	2,978.24	2,971.61	2,965.25	13.85	13.77	51.73	-116.45	414.34	134.56	107.19	27.38	4.915		
3,100.00	3,077.35	3,070.03	3,063.18	14.30	14.23	60.02	-125.09	409.77	131.99	103.71	28.28	4.667		
3,200.00	3,176.46	3,172.23	3,165.00	14.76	14.70	68.55	-132.52	405.01	130.96	101.77	29.19	4.487		
3,279.98	3,255.72	3,251.92	3,244.42	15.12	15.06	75.61	-136.62	399.89	130.19	100.30	29.89	4.356 CC		
3,300.00	3,275.57	3,271.70	3,264.15	15.21	15.15	77.33	-137.55	398.70	130.24	100.18	30.06	4.332 ES		
3,400.00	3,374.68	3,370.72	3,362.92	15.67	15.60	85.59	-141.73	393.25	131.82	100.91	30.92	4.264		
3,500.00	3,473.79	3,466.94	3,458.93	16.12	16.03	93.06	-146.05	388.50	136.31	104.58	31.73	4.296		
3,600.00	3,572.90	3,567.87	3,559.64	16.58	16.49	100.19	-150.67	383.72	143.16	110.58	32.59	4.393		
3,700.00	3,672.01	3,661.17	3,652.66	17.04	16.92	106.54	-155.03	378.14	152.44	119.11	33.33	4.574		
3,800.00	3,771.12	3,758.02	3,749.04	17.50	17.37	112.57	-161.19	370.87	165.69	131.56	34.12	4.856		
3,900.00	3,870.23	3,854.71	3,845.23	17.95	17.83	117.64	-167.75	363.54	180.95	146.03	34.92	5.182		
4,000.00	3,969.34	3,952.86	3,942.86	18.41	18.29	121.95	-174.59	356.12	197.55	161.80	35.75	5.525		
4,100.00	4,068.45	4,051.74	4,041.26	18.87	18.76	125.59	-181.14	348.94	214.64	178.03	36.62	5.862		
4,200.00	4,167.56	4,147.00	4,136.03	19.33	19.22	128.33	-188.38	342.59	232.77	195.36	37.41	6.222		
4,300.00	4,266.67	4,247.82	4,236.34	19.79	19.70	130.59	-196.54	336.65	251.22	212.89	38.33	6.554		
4,400.00	4,365.78	4,350.36	4,338.53	20.25	20.17	132.73	-203.09	331.30	268.31	229.04	39.27	6.832		
4,500.00	4,464.89	4,448.44	4,436.31	20.71	20.63	134.41	-209.40	326.97	285.16	245.03	40.14	7.105		
4,600.00	4,564.00	4,551.95	4,539.55	21.17	21.10	135.97	-215.72	322.91	301.66	260.58	41.09	7.342		
4,700.00	4,663.11	4,665.28	4,652.73	21.63	21.58	137.18	-221.23	322.54	314.84	272.74	42.10	7.478		
4,800.00	4,762.22	4,771.72	4,759.16	22.09	21.99	138.73	-221.51	323.58	324.16	281.18	42.98	7.542		
4,900.00	4,861.33	4,870.57	4,858.00	22.56	22.35	140.28	-220.51	324.38	333.06	289.24	43.82	7.601		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,967.75	4,955.17	23.02	22.72	141.85	-219.14	324.35	342.62	297.98	44.65	7.674		
5,100.00	5,059.55	5,064.66	5,052.07	23.48	23.10	143.43	-217.64	323.49	353.06	307.58	45.48	7.764		
5,200.00	5,158.66	5,161.79	5,149.17	23.94	23.49	144.98	-216.17	322.00	364.31	318.00	46.31	7.866		
5,300.00	5,257.77	5,263.31	5,250.68	24.40	23.89	146.36	-215.42	320.90	375.86	328.67	47.19	7.966		
5,400.00	5,356.88	5,362.47	5,349.84	24.87	24.30	147.31	-216.13	321.45	386.94	338.89	48.05	8.053		
5,500.00	5,455.99	5,461.41	5,448.77	25.33	24.70	148.38	-215.93	321.27	398.28	349.38	48.91	8.144		
5,600.00	5,555.10	5,553.42	5,540.78	25.79	25.08	149.37	-215.80	320.34	410.52	360.82	49.71	8.259		
5,700.00	5,654.21	5,652.86	5,640.20	26.25	25.50	150.34	-216.38	318.53	423.93	373.35	50.58	8.381		
5,800.00	5,753.32	5,752.22	5,739.53	26.72	25.91	151.41	-215.70	316.41	437.15	385.71	51.45	8.497		
5,900.00	5,852.43	5,848.87	5,836.16	27.18	26.32	152.38	-215.26	314.26	450.71	398.42	52.29	8.619		
6,000.00	5,951.54	5,964.67	5,951.94	27.64	26.79	153.39	-214.48	313.50	462.89	409.61	53.28	8.688		
6,100.00	6,050.65	6,056.04	6,043.28	28.11	27.15	154.31	-212.47	312.88	474.53	420.46	54.07	8.776		
6,200.00	6,149.76	6,153.27	6,140.51	28.57	27.55	155.12	-211.43	312.15	486.85	431.93	54.91	8.866		
6,300.00	6,248.87	6,250.86	6,238.07	29.03	27.95	155.99	-209.86	310.72	499.71	443.95	55.76	8.962		
6,400.00	6,347.98	6,353.44	6,340.64	29.50	28.36	156.78	-208.55	309.92	512.16	455.52	56.64	9.043		
6,475.54	6,422.84	6,426.97	6,414.14	29.85	28.65	157.39	-207.09	309.11	521.67	464.40	57.27	9.109		
6,500.00	6,447.14	6,461.89	6,449.06	29.96	28.79	156.34	-206.38	309.10	524.07	466.52	57.55	9.106		
6,550.00	6,497.05	6,587.81	6,574.39	30.17	29.27	135.10	-207.11	319.24	524.11	466.27	57.84	9.062		
6,600.00	6,547.02	6,741.30	6,719.17	30.37	29.77	-15.50	-216.26	367.93	507.31	451.24	56.07	9.048		
6,650.00	6,596.75	6,792.98	6,766.10	30.55	29.93	-22.21	-219.47	389.31	485.00	428.79	56.21	8.628		
6,700.00	6,645.93	6,852.76	6,819.91	30.74	30.10	-27.31	-222.00	415.21	458.81	402.90	55.91	8.207		
6,750.00	6,694.25	7,006.89	6,947.24	30.93	30.53	-43.03	-222.64	500.76	426.47	376.90	49.57	8.603		
6,800.00	6,741.43	7,033.48	6,966.62	31.12	30.61	-51.68	-222.07	518.95	387.09	336.93	50.16	7.717		
6,850.00	6,787.16	7,055.30	6,982.42	31.32	30.68	-61.17	-221.51	533.99	347.35	296.31	51.04	6.806		
6,900.00	6,831.16	7,072.40	6,994.74	31.52	30.75	-70.67	-221.00	545.84	308.24	255.92	52.32	5.892		
6,950.00	6,873.17	7,084.85	7,003.68	31.74	30.80	-79.08	-220.60	554.50	271.06	216.93	54.13	5.008		
7,000.00	6,912.92	7,093.15	7,009.61	31.96	30.83	-85.66	-220.32	560.30	237.64	181.11	56.54	4.203		
7,050.00	6,950.18	7,096.49	7,011.98	32.21	30.85	-89.66	-220.21	562.65	210.50	151.03	59.47	3.540		
7,100.00	6,984.70	7,095.66	7,011.41	32.48	30.84	-91.18	-220.23	562.04	192.71	130.54	62.17	3.100		
7,146.60	7,014.23	7,091.40	7,008.37	32.75	30.82	-90.44	-220.38	559.07	187.01	123.52	63.48	2.946		
7,150.00	7,016.29	7,090.96	7,008.05	32.77	30.82	-90.30	-220.39	558.76	187.04	123.53	63.51	2.945 SF		
7,200.00	7,044.73	7,082.42	7,001.94	33.10	30.79	-87.09	-220.68	552.81	194.31	131.43	62.88	3.090		
7,250.00	7,069.86	7,070.26	6,993.20	33.46	30.74	-81.75	-221.07	544.35	212.72	151.85	60.87	3.495		
7,300.00	7,091.53	7,054.67	6,981.97	33.86	30.68	-74.69	-221.52	533.55	239.06	180.54	58.52	4.085		
7,350.00	7,109.59	7,035.87	6,968.35	34.30	30.62	-66.58	-222.01	520.60	270.29	213.85	56.45	4.789		
7,400.00	7,123.94	7,014.07	6,952.48	34.78	30.55	-58.23	-222.50	505.66	304.12	249.29	54.83	5.547		
7,450.00	7,134.49	6,994.00	6,937.80	35.29	30.49	-51.10	-222.87	491.99	339.01	285.00	54.02	6.276		
7,500.00	7,141.18	6,975.43	6,923.87	35.84	30.44	-45.06	-223.12	479.70	374.38	320.55	53.83	6.955		
7,550.00	7,143.95	6,959.73	6,911.64	36.42	30.40	-40.13	-223.26	469.86	409.95	355.77	54.18	7.567		
7,567.79	7,144.00	6,954.16	6,907.21	36.63	30.38	-38.54	-223.28	466.49	422.57	368.21	54.36	7.774		
7,600.00	7,143.62	6,944.43	6,899.35	37.03	30.35	-37.60	-223.31	460.76	445.75	391.04	54.71	8.148		
7,700.00	7,142.46	6,899.00	6,860.84	38.38	30.23	-33.46	-223.03	436.71	522.59	467.79	54.80	9.536		
7,800.00	7,141.29	6,894.24	6,856.65	39.88	30.22	-33.05	-222.96	434.43	602.76	546.05	56.72	10.628		
7,900.00	7,140.13	6,859.16	6,825.62	41.53	30.12	-30.23	-222.19	418.11	686.59	629.62	56.97	12.052		
8,000.00	7,138.97	6,827.04	6,796.87	43.30	30.03	-27.90	-221.08	403.81	772.26	714.99	57.26	13.486		
8,100.00	7,137.80	6,795.39	6,768.28	45.18	29.93	-25.82	-219.60	390.32	859.41	801.91	57.50	14.946		
8,200.00	7,136.64	6,758.16	6,734.50	47.16	29.82	-23.61	-217.41	374.85	947.52	889.96	57.55	16.463		
8,300.00	7,135.48	6,722.31	6,701.87	49.22	29.71	-21.69	-214.85	360.21	1,036.30	978.67	57.63	17.983		
8,400.00	7,134.32	6,708.00	6,688.82	51.36	29.67	-20.97	-213.71	354.44	1,125.89	1,067.77	58.12	19.373		
8,500.00	7,133.15	6,708.00	6,688.82	53.56	29.67	-20.97	-213.71	354.44	1,217.00	1,158.25	58.75	20.716		
8,600.00	7,131.99	6,708.00	6,688.82	55.82	29.67	-20.97	-213.71	354.44	1,309.41	1,250.17	59.25	22.100		
8,700.00	7,130.83	6,668.83	6,652.51	58.13	29.54	-19.18	-210.83	340.08	1,400.81	1,341.67	59.14	23.685		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,800.00	7,129.66	6,660.19	6,644.35	60.49	29.51	-18.82	-210.29	337.28	1,494.16	1,434.73	59.43	25.141		
8,900.00	7,128.50	6,652.29	6,636.86	62.89	29.49	-18.51	-209.83	334.84	1,588.15	1,528.47	59.68	26.611		
9,000.00	7,127.34	6,613.00	6,599.02	65.32	29.36	-17.08	-207.96	324.42	1,684.01	1,624.42	59.58	28.263		
9,100.00	7,126.17	6,613.00	6,599.02	67.79	29.36	-17.08	-207.96	324.42	1,778.53	1,718.67	59.87	29.708		
9,200.00	7,125.01	6,613.00	6,599.02	70.28	29.36	-17.08	-207.96	324.42	1,873.63	1,813.52	60.11	31.171		
9,300.00	7,123.85	6,613.00	6,599.02	72.80	29.36	-17.08	-207.96	324.42	1,969.21	1,908.89	60.32	32.648		
9,400.00	7,122.68	6,613.00	6,599.02	75.34	29.36	-17.08	-207.96	324.42	2,065.20	2,004.71	60.50	34.137		
9,500.00	7,121.52	6,613.00	6,599.02	77.91	29.36	-17.08	-207.96	324.42	2,161.57	2,100.91	60.66	35.635		
9,600.00	7,120.36	6,613.00	6,599.02	80.49	29.36	-17.08	-207.96	324.42	2,258.24	2,197.45	60.80	37.142		
9,700.00	7,119.19	6,613.00	6,599.02	83.09	29.36	-17.08	-207.96	324.42	2,355.20	2,294.27	60.93	38.656		
9,800.00	7,118.03	6,613.00	6,599.02	85.70	29.36	-17.08	-207.96	324.42	2,452.40	2,391.36	61.04	40.176		
9,900.00	7,116.87	6,613.00	6,599.02	88.33	29.36	-17.08	-207.96	324.42	2,549.82	2,488.67	61.15	41.701		
10,000.00	7,115.70	6,613.00	6,599.02	90.98	29.36	-17.08	-207.96	324.42	2,647.43	2,586.19	61.24	43.229		
10,100.00	7,114.54	6,613.00	6,599.02	93.63	29.36	-17.08	-207.96	324.42	2,745.21	2,683.88	61.33	44.761		
10,200.00	7,113.38	6,613.00	6,599.02	96.29	29.36	-17.08	-207.96	324.42	2,843.14	2,781.73	61.41	46.295		
10,300.00	7,112.21	6,613.00	6,599.02	98.97	29.36	-17.08	-207.96	324.42	2,941.22	2,879.73	61.49	47.832		
10,400.00	7,111.05	6,613.00	6,599.02	101.65	29.36	-17.08	-207.96	324.42	3,039.42	2,977.85	61.56	49.369		
10,500.00	7,109.89	6,613.00	6,599.02	104.34	29.36	-17.08	-207.96	324.42	3,137.73	3,076.10	61.63	50.908		
10,600.00	7,108.72	6,613.00	6,599.02	107.04	29.36	-17.08	-207.96	324.42	3,236.15	3,174.45	61.70	52.448		
10,700.00	7,107.56	6,613.00	6,599.02	109.75	29.36	-17.08	-207.96	324.42	3,334.66	3,272.89	61.77	53.988		
10,800.00	7,106.40	6,613.00	6,599.02	112.47	29.36	-17.08	-207.96	324.42	3,433.26	3,371.43	61.83	55.528		
10,900.00	7,105.24	6,571.36	6,558.18	115.19	29.21	-15.81	-206.69	316.48	3,530.07	3,468.29	61.78	57.138		
11,000.00	7,104.07	6,569.26	6,556.10	117.91	29.20	-15.75	-206.64	316.17	3,628.64	3,566.80	61.84	58.677		
11,100.00	7,102.91	6,567.25	6,554.11	120.64	29.19	-15.69	-206.60	315.87	3,727.27	3,665.37	61.90	60.215		
11,200.00	7,101.75	6,565.33	6,552.22	123.38	29.18	-15.64	-206.56	315.60	3,825.96	3,764.01	61.96	61.752		
11,300.00	7,100.58	6,563.50	6,550.40	126.12	29.18	-15.59	-206.53	315.34	3,924.72	3,862.70	62.01	63.288		
11,400.00	7,099.42	6,561.75	6,548.67	128.87	29.17	-15.54	-206.49	315.10	4,023.53	3,961.46	62.07	64.822		
11,500.00	7,098.26	6,560.07	6,547.00	131.62	29.17	-15.50	-206.46	314.88	4,122.39	4,060.26	62.13	66.354		
11,600.00	7,097.09	6,518.00	6,505.13	134.37	29.01	-14.47	-206.03	310.96	4,223.01	4,160.91	62.10	67.998		
11,700.00	7,095.93	6,518.00	6,505.13	137.13	29.01	-14.47	-206.03	310.96	4,321.83	4,259.66	62.17	69.520		
11,800.00	7,094.77	6,518.00	6,505.13	139.89	29.01	-14.47	-206.03	310.96	4,420.70	4,358.47	62.23	71.040		
11,900.00	7,093.60	6,518.00	6,505.13	142.65	29.01	-14.47	-206.03	310.96	4,519.63	4,457.34	62.29	72.558		
12,000.00	7,092.44	6,518.00	6,505.13	145.42	29.01	-14.47	-206.03	310.96	4,618.60	4,556.24	62.35	74.074		
12,100.00	7,091.28	6,518.00	6,505.13	148.19	29.01	-14.47	-206.03	310.96	4,717.61	4,655.20	62.41	75.588		
12,200.00	7,090.11	6,518.00	6,505.13	150.96	29.01	-14.47	-206.03	310.96	4,816.66	4,754.19	62.47	77.099		
12,300.00	7,088.95	6,518.00	6,505.13	153.74	29.01	-14.47	-206.03	310.96	4,915.75	4,853.22	62.53	78.608		
12,400.00	7,087.79	6,518.00	6,505.13	156.52	29.01	-14.47	-206.03	310.96	5,014.88	4,952.29	62.60	80.115		
12,500.00	7,086.62	6,518.00	6,505.13	159.30	29.01	-14.47	-206.03	310.96	5,114.04	5,051.39	62.66	81.619		
12,600.00	7,085.46	6,518.00	6,505.13	162.08	29.01	-14.47	-206.03	310.96	5,213.24	5,150.52	62.72	83.120		
12,700.00	7,084.30	6,518.00	6,505.13	164.86	29.01	-14.47	-206.03	310.96	5,312.46	5,249.68	62.78	84.618		
12,800.00	7,083.13	6,518.00	6,505.13	167.65	29.01	-14.47	-206.03	310.96	5,411.71	5,348.87	62.84	86.113		
12,900.00	7,081.97	6,518.00	6,505.13	170.44	29.01	-14.47	-206.03	310.96	5,510.99	5,448.09	62.91	87.605		
13,000.00	7,080.81	6,518.00	6,505.13	173.23	29.01	-14.47	-206.03	310.96	5,610.30	5,547.33	62.97	89.094		
13,100.00	7,079.64	6,518.00	6,505.13	176.02	29.01	-14.47	-206.03	310.96	5,709.63	5,646.59	63.03	90.579		
13,200.00	7,078.48	6,518.00	6,505.13	178.81	29.01	-14.47	-206.03	310.96	5,808.98	5,745.88	63.10	92.061		
13,300.00	7,077.32	6,518.00	6,505.13	181.61	29.01	-14.47	-206.03	310.96	5,908.36	5,845.19	63.16	93.540		
13,400.00	7,076.16	6,518.00	6,505.13	184.40	29.01	-14.47	-206.03	310.96	6,007.75	5,944.52	63.23	95.015		
13,500.00	7,074.99	6,518.00	6,505.13	187.20	29.01	-14.47	-206.03	310.96	6,107.17	6,043.87	63.30	96.486		
13,600.00	7,073.83	6,518.00	6,505.13	190.00	29.01	-14.47	-206.03	310.96	6,206.60	6,143.24	63.36	97.954		
13,700.00	7,072.67	6,518.00	6,505.13	192.80	29.01	-14.47	-206.03	310.96	6,306.05	6,242.62	63.43	99.417		
13,800.00	7,071.50	6,518.00	6,505.13	195.60	29.01	-14.47	-206.03	310.96	6,405.52	6,342.02	63.50	100.877		
13,900.00	7,070.34	6,518.00	6,505.13	198.41	29.01	-14.47	-206.03	310.96	6,505.00	6,441.44	63.57	102.333		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 #12-5-4CHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 39-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,000.00	7,069.18	6,518.00	6,505.13	201.21	29.01	-14.47	-206.03	310.96	6,604.51	6,540.87	63.64	103.785	
14,100.00	7,068.01	6,518.00	6,505.13	204.02	29.01	-14.47	-206.03	310.96	6,704.02	6,640.31	63.71	105.233	
14,200.00	7,066.85	6,518.00	6,505.13	206.82	29.01	-14.47	-206.03	310.96	6,803.55	6,739.77	63.78	106.677	
14,300.00	7,065.69	6,518.00	6,505.13	209.63	29.01	-14.47	-206.03	310.96	6,903.09	6,839.25	63.85	108.117	
14,400.00	7,064.52	6,518.00	6,505.13	212.44	29.01	-14.47	-206.03	310.96	7,002.65	6,938.73	63.92	109.553	
14,500.00	7,063.36	6,518.00	6,505.13	215.25	29.01	-14.47	-206.03	310.96	7,102.22	7,038.23	63.99	110.984	
14,600.00	7,062.20	6,518.00	6,505.13	218.06	29.01	-14.47	-206.03	310.96	7,201.80	7,137.73	64.07	112.411	
14,700.00	7,061.03	6,518.00	6,505.13	220.87	29.01	-14.47	-206.03	310.96	7,301.39	7,237.25	64.14	113.834	
14,800.00	7,059.87	6,518.00	6,505.13	223.68	29.01	-14.47	-206.03	310.96	7,400.99	7,336.78	64.22	115.252	
14,900.00	7,058.71	6,518.00	6,505.13	226.49	29.01	-14.47	-206.03	310.96	7,500.61	7,436.32	64.29	116.666	
15,000.00	7,057.54	6,518.00	6,505.13	229.30	29.01	-14.47	-206.03	310.96	7,600.23	7,535.86	64.37	118.075	
15,100.00	7,056.38	6,518.00	6,505.13	232.12	29.01	-14.47	-206.03	310.96	7,699.87	7,635.42	64.44	119.480	
15,200.00	7,055.22	6,518.00	6,505.13	234.93	29.01	-14.47	-206.03	310.96	7,799.51	7,734.99	64.52	120.880	
15,300.00	7,054.05	6,518.00	6,505.13	237.75	29.01	-14.47	-206.03	310.96	7,899.16	7,834.56	64.60	122.276	
15,400.00	7,052.89	6,518.00	6,505.13	240.56	29.01	-14.47	-206.03	310.96	7,998.82	7,934.14	64.68	123.667	
15,500.00	7,051.73	6,518.00	6,505.13	243.38	29.01	-14.47	-206.03	310.96	8,098.49	8,033.73	64.76	125.053	
15,600.00	7,050.56	6,518.00	6,505.13	246.20	29.01	-14.47	-206.03	310.96	8,198.17	8,133.33	64.84	126.435	
15,648.52	7,050.00	6,518.00	6,505.13	247.57	29.01	-14.47	-206.03	310.96	8,246.54	8,181.66	64.88	127.104	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	90.65	-5.82	512.21	512.29					
100.00	100.00	96.74	96.74	3.28	3.30	90.70	-6.21	511.70	511.75	505.17	6.58	77.744		
200.00	200.00	199.14	199.13	3.34	3.37	90.82	-7.30	510.75	510.84	504.13	6.71	76.112		
300.00	300.00	303.10	303.07	3.44	3.51	90.97	-8.63	509.10	509.27	502.32	6.96	73.205		
400.00	399.98	406.05	405.98	3.60	3.70	-0.39	-9.87	506.71	505.22	497.93	7.30	69.215		
500.00	499.84	510.40	510.28	3.80	3.93	-0.30	-10.63	503.56	497.00	489.26	7.73	64.255		
600.00	599.45	604.71	604.54	4.04	4.17	-0.20	-11.39	500.62	485.21	477.00	8.21	59.087		
682.50	681.36	683.28	683.09	4.26	4.40	-0.08	-12.40	498.91	473.65	465.00	8.66	54.719		
700.00	698.71	699.98	699.78	4.32	4.45	-0.05	-12.67	498.61	471.01	462.26	8.76	53.786		
800.00	797.82	795.05	794.82	4.62	4.74	0.18	-14.47	497.33	456.41	447.07	9.34	48.868		
900.00	896.93	887.35	887.09	4.95	5.04	0.51	-16.90	497.11	442.96	433.00	9.95	44.504		
1,000.00	996.04	985.42	985.10	5.30	5.36	0.97	-20.24	497.82	430.49	419.87	10.62	40.540		
1,100.00	1,095.15	1,087.05	1,086.65	5.67	5.72	1.52	-24.07	498.30	417.83	406.50	11.33	36.884		
1,200.00	1,194.26	1,193.44	1,192.95	6.05	6.11	2.21	-28.41	496.94	403.46	391.38	12.08	33.396		
1,300.00	1,293.37	1,275.20	1,274.65	6.45	6.41	2.67	-31.14	497.41	390.95	378.18	12.77	30.616		
1,400.00	1,392.48	1,391.59	1,390.95	6.85	6.84	3.28	-34.60	499.43	379.80	366.22	13.58	27.972		
1,500.00	1,491.59	1,503.94	1,503.12	7.26	7.29	4.25	-39.42	495.23	363.21	348.82	14.39	25.241		
1,600.00	1,590.70	1,611.81	1,610.59	7.68	7.73	5.41	-44.43	487.57	343.45	328.26	15.19	22.607		
1,700.00	1,689.81	1,711.49	1,709.62	8.10	8.16	7.00	-50.84	478.24	321.87	305.87	16.00	20.121		
1,800.00	1,788.92	1,804.73	1,802.13	8.53	8.56	9.07	-58.89	469.85	301.28	284.45	16.82	17.908		
1,900.00	1,888.03	1,896.18	1,892.71	8.96	8.98	11.80	-69.06	462.42	282.54	264.86	17.68	15.984		
2,000.00	1,987.14	1,985.13	1,980.61	9.39	9.39	15.21	-81.60	457.32	267.63	249.08	18.54	14.432		
2,100.00	2,086.25	2,079.17	2,073.65	9.83	9.82	19.03	-94.91	453.89	255.92	236.49	19.42	13.175		
2,200.00	2,185.36	2,176.52	2,170.16	10.27	10.27	22.91	-107.46	452.00	246.58	226.27	20.31	12.139		
2,300.00	2,284.47	2,278.40	2,271.38	10.71	10.74	26.93	-118.75	449.44	237.15	215.93	21.22	11.178		
2,400.00	2,383.58	2,379.32	2,371.64	11.15	11.21	31.29	-129.74	446.16	228.21	206.09	22.12	10.317		
2,500.00	2,482.69	2,481.39	2,472.89	11.60	11.69	36.52	-141.04	439.96	218.56	195.52	23.04	9.487		
2,600.00	2,581.80	2,579.88	2,570.49	12.05	12.17	42.25	-151.98	432.56	209.78	185.82	23.96	8.756		
2,700.00	2,680.91	2,676.35	2,665.83	12.50	12.65	48.78	-163.93	423.87	203.34	178.46	24.88	8.173		
2,800.00	2,780.02	2,773.34	2,761.65	12.95	13.14	55.68	-176.18	415.20	200.12	174.33	25.78	7.762		
2,869.75	2,849.15	2,841.39	2,829.02	13.26	13.48	60.35	-184.13	409.77	199.45	173.05	26.40	7.556 CC		
2,900.00	2,879.13	2,870.79	2,858.16	13.40	13.62	62.29	-187.42	407.68	199.57	172.91	26.66	7.486 ES		
3,000.00	2,978.24	2,968.87	2,955.50	13.85	14.10	68.37	-197.84	401.77	201.53	174.01	27.52	7.324		
3,100.00	3,077.35	3,067.25	3,053.25	14.30	14.58	74.05	-207.66	396.58	205.33	176.97	28.36	7.240		
3,200.00	3,176.46	3,162.76	3,148.08	14.76	15.04	79.50	-217.54	390.95	211.40	182.23	29.17	7.248		
3,300.00	3,275.57	3,257.88	3,242.33	15.21	15.52	84.78	-228.70	384.71	220.75	190.79	29.95	7.370		
3,400.00	3,374.68	3,356.90	3,340.37	15.67	16.02	89.94	-240.65	377.66	232.32	201.53	30.79	7.545		
3,500.00	3,473.79	3,460.83	3,443.54	16.12	16.53	94.63	-251.40	371.27	243.78	212.08	31.70	7.690		
3,600.00	3,572.90	3,559.01	3,541.24	16.58	17.00	98.36	-260.03	366.75	254.78	222.25	32.53	7.831		
3,700.00	3,672.01	3,651.14	3,632.81	17.04	17.45	101.52	-269.23	362.54	267.93	234.64	33.29	8.049		
3,800.00	3,771.12	3,738.44	3,719.26	17.50	17.90	104.20	-280.47	358.07	284.80	250.85	33.95	8.389		
3,900.00	3,870.23	3,830.03	3,809.53	17.95	18.38	106.67	-295.05	352.65	305.41	270.73	34.68	8.806		
4,000.00	3,969.34	3,925.95	3,903.90	18.41	18.90	108.85	-311.27	347.21	327.39	291.88	35.51	9.219		
4,100.00	4,068.45	4,029.37	4,005.78	18.87	19.45	110.86	-328.21	341.77	349.15	312.65	36.50	9.566		
4,200.00	4,167.56	4,138.71	4,113.97	19.33	20.02	112.72	-343.42	337.33	368.52	330.96	37.57	9.810		
4,300.00	4,266.67	4,241.56	4,216.05	19.79	20.53	114.29	-355.53	334.13	385.86	347.35	38.51	10.020		
4,400.00	4,365.78	4,338.26	4,312.08	20.25	21.01	115.66	-366.52	331.23	403.03	363.66	39.37	10.237		
4,500.00	4,464.89	4,427.80	4,400.88	20.71	21.46	116.97	-377.15	327.10	421.61	381.48	40.13	10.506		
4,600.00	4,564.00	4,532.70	4,504.93	21.17	21.99	118.53	-389.08	321.18	440.53	399.42	41.11	10.715		
4,700.00	4,663.11	4,624.18	4,595.66	21.63	22.46	119.85	-399.26	315.50	459.79	417.88	41.91	10.971		
4,800.00	4,762.22	4,726.11	4,696.77	22.09	22.97	121.18	-410.69	309.44	479.24	436.38	42.85	11.183		
4,900.00	4,861.33	4,828.27	4,798.14	22.56	23.49	122.15	-422.70	305.52	498.15	454.35	43.80	11.373		

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 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,938.00	4,907.22	23.02	24.02	123.05	-434.35	302.90	515.45	470.62	44.83	11.497		
5,100.00	5,059.55	5,049.12	5,017.95	23.48	24.54	124.06	-443.33	300.46	530.71	484.86	45.85	11.575		
5,200.00	5,158.66	5,172.81	5,141.48	23.94	25.08	125.30	-448.98	298.82	542.86	495.95	46.91	11.573		
5,300.00	5,257.77	5,278.29	5,246.95	24.40	25.51	126.39	-450.44	298.94	551.72	503.89	47.82	11.537		
5,400.00	5,356.88	5,385.11	5,353.76	24.87	25.91	127.70	-449.63	297.92	559.79	511.07	48.72	11.491		
5,500.00	5,455.99	5,486.22	5,454.83	25.33	26.27	129.06	-447.14	296.36	567.21	517.64	49.57	11.442		
5,600.00	5,555.10	5,583.53	5,552.06	25.79	26.62	130.45	-443.98	294.00	574.93	524.51	50.42	11.403		
5,700.00	5,654.21	5,684.86	5,653.34	26.25	26.99	131.75	-441.39	292.36	582.95	531.67	51.28	11.368		
5,800.00	5,753.32	5,788.85	5,757.31	26.72	27.36	132.72	-440.44	293.78	590.33	538.18	52.15	11.321		
5,900.00	5,852.43	5,881.55	5,849.99	27.18	27.70	133.61	-439.18	294.64	597.89	544.91	52.98	11.284		
6,000.00	5,951.54	5,970.63	5,939.07	27.64	28.05	134.44	-439.42	294.23	607.66	553.85	53.81	11.293		
6,100.00	6,050.65	6,077.48	6,045.91	28.11	28.46	135.50	-438.47	293.41	617.03	562.32	54.71	11.277		
6,200.00	6,149.76	6,175.88	6,144.31	28.57	28.84	136.40	-437.95	293.15	626.48	570.91	55.57	11.273		
6,300.00	6,248.87	6,279.26	6,247.66	29.03	29.22	137.45	-435.90	292.13	635.67	579.22	56.45	11.261		
6,400.00	6,347.98	6,388.81	6,357.19	29.50	29.62	138.47	-433.61	292.38	644.09	586.76	57.34	11.233		
6,475.54	6,422.84	6,515.28	6,483.39	29.85	30.07	139.39	-429.58	298.46	647.74	589.80	57.94	11.180		
6,500.00	6,447.14	6,574.39	6,541.85	29.96	30.26	138.02	-427.66	306.85	646.64	588.73	57.92	11.165		
6,550.00	6,497.05	6,721.32	6,681.49	30.17	30.72	114.23	-428.65	351.20	637.04	580.21	56.83	11.210		
6,600.00	6,547.02	6,794.21	6,745.99	30.37	30.91	-36.37	-432.87	384.84	620.12	563.45	56.66	10.944		
6,650.00	6,596.75	6,909.05	6,841.71	30.55	31.18	-48.12	-438.27	447.90	597.99	542.88	55.11	10.852		
6,700.00	6,645.93	6,999.29	6,910.03	30.74	31.35	-58.66	-439.46	506.74	570.49	516.56	53.92	10.580		
6,750.00	6,694.25	7,053.08	6,947.11	30.93	31.43	-67.69	-439.51	545.69	540.90	486.85	54.06	10.006		
6,800.00	6,741.43	7,088.99	6,970.38	31.12	31.49	-75.45	-439.17	573.04	511.44	456.56	54.88	9.319		
6,850.00	6,787.16	7,106.91	6,981.54	31.32	31.50	-80.96	-438.94	587.06	483.70	427.26	56.44	8.570		
6,900.00	6,831.16	7,117.43	6,987.95	31.52	31.51	-85.10	-438.81	595.40	458.91	400.74	58.17	7.889		
6,950.00	6,873.17	7,121.95	6,990.68	31.74	31.52	-87.90	-438.76	599.00	438.08	378.16	59.92	7.311		
7,000.00	6,912.92	7,121.57	6,990.45	31.96	31.52	-89.45	-438.77	598.70	422.06	360.57	61.49	6.864		
7,050.00	6,950.18	7,117.18	6,987.80	32.21	31.51	-89.86	-438.82	595.20	411.51	348.80	62.71	6.562		
7,100.00	6,984.70	7,109.48	6,983.11	32.48	31.51	-89.26	-438.91	589.08	406.81	343.37	63.45	6.412		
7,114.67	6,994.28	7,106.67	6,981.39	32.57	31.50	-88.91	-438.94	586.87	406.56	342.99	63.57	6.396 SF		
7,150.00	7,016.29	7,100.21	6,977.40	32.77	31.51	-87.92	-439.01	581.79	407.99	344.32	63.66	6.408		
7,200.00	7,044.73	7,085.92	6,968.44	33.10	31.48	-85.41	-439.21	570.66	414.78	351.35	63.43	6.539		
7,250.00	7,069.86	7,069.76	6,958.07	33.46	31.46	-82.22	-439.39	558.26	426.52	363.68	62.84	6.787		
7,300.00	7,091.53	7,052.05	6,946.43	33.86	31.43	-78.51	-439.52	544.92	442.45	380.39	62.06	7.129		
7,350.00	7,109.59	7,033.05	6,933.61	34.30	31.40	-74.40	-439.57	530.90	461.75	400.53	61.23	7.541		
7,400.00	7,123.94	7,012.96	6,919.70	34.78	31.37	-70.05	-439.53	516.41	483.62	423.16	60.46	7.999		
7,450.00	7,134.49	6,994.00	6,906.24	35.29	31.34	-65.83	-439.41	503.05	507.33	447.42	59.91	8.469		
7,500.00	7,141.18	6,972.18	6,890.33	35.84	31.30	-61.43	-439.20	488.12	532.28	472.83	59.45	8.954		
7,550.00	7,143.95	6,951.72	6,874.99	36.42	31.26	-57.36	-438.95	474.60	557.99	498.75	59.24	9.418		
7,567.79	7,144.00	6,944.34	6,869.35	36.63	31.25	-55.96	-438.85	469.83	567.24	508.03	59.21	9.580		
7,600.00	7,143.62	6,931.22	6,859.21	37.03	31.22	-54.96	-438.65	461.51	584.42	525.22	59.19	9.873		
7,700.00	7,142.46	6,892.51	6,828.38	38.38	31.15	-52.03	-437.94	438.12	642.63	583.37	59.26	10.844		
7,800.00	7,141.29	6,849.35	6,792.83	39.88	31.04	-48.85	-436.39	413.71	706.74	647.56	59.18	11.942		
7,900.00	7,140.13	6,804.00	6,754.42	41.53	30.94	-45.62	-433.59	389.77	775.60	716.55	59.05	13.136		
8,000.00	7,138.97	6,783.81	6,736.97	43.30	30.88	-44.23	-432.15	379.71	848.52	788.81	59.71	14.212		
8,100.00	7,137.80	6,760.46	6,716.49	45.18	30.82	-42.68	-430.67	368.59	925.22	865.06	60.16	15.380		
8,200.00	7,136.64	6,739.20	6,697.58	47.16	30.76	-41.34	-429.50	358.95	1,004.98	944.40	60.58	16.589		
8,300.00	7,135.48	6,709.00	6,670.31	49.22	30.68	-39.52	-428.14	346.06	1,087.37	1,026.63	60.74	17.902		
8,400.00	7,134.32	6,709.00	6,670.31	51.36	30.68	-39.52	-428.14	346.06	1,171.63	1,110.19	61.44	19.070		
8,500.00	7,133.15	6,709.00	6,670.31	53.56	30.68	-39.52	-428.14	346.06	1,258.20	1,196.21	61.99	20.297		
8,600.00	7,131.99	6,684.83	6,648.03	55.82	30.61	-38.15	-427.44	336.71	1,345.73	1,283.63	62.10	21.671		
8,700.00	7,130.83	6,664.00	6,628.45	58.13	30.55	-37.05	-427.25	329.61	1,435.19	1,372.96	62.24	23.060		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,800.00	7,129.66	6,664.00	6,628.45	60.49	30.55	-37.05	-427.25	329.61	1,525.37	1,462.77	62.60	24.368		
8,900.00	7,128.50	6,664.00	6,628.45	62.89	30.55	-37.05	-427.25	329.61	1,616.70	1,553.81	62.89	25.706		
9,000.00	7,127.34	6,664.00	6,628.45	65.32	30.55	-37.05	-427.25	329.61	1,709.01	1,645.87	63.14	27.067		
9,100.00	7,126.17	6,642.74	6,608.20	67.79	30.48	-35.97	-427.25	323.15	1,801.67	1,738.50	63.18	28.519		
9,200.00	7,125.01	6,634.87	6,600.65	70.28	30.46	-35.58	-427.25	320.93	1,895.11	1,831.80	63.31	29.933		
9,300.00	7,123.85	6,614.00	6,580.51	72.80	30.39	-34.58	-427.27	315.46	1,989.25	1,925.91	63.34	31.407		
9,400.00	7,122.68	6,614.00	6,580.51	75.34	30.39	-34.58	-427.27	315.46	2,083.55	2,020.04	63.50	32.811		
9,500.00	7,121.52	6,614.00	6,580.51	77.91	30.39	-34.58	-427.27	315.46	2,178.35	2,114.70	63.64	34.227		
9,600.00	7,120.36	6,614.00	6,580.51	80.49	30.39	-34.58	-427.27	315.46	2,273.59	2,209.83	63.77	35.654		
9,700.00	7,119.19	6,614.00	6,580.51	83.09	30.39	-34.58	-427.27	315.46	2,369.23	2,305.35	63.88	37.088		
9,800.00	7,118.03	6,614.00	6,580.51	85.70	30.39	-34.58	-427.27	315.46	2,465.22	2,401.24	63.98	38.531		
9,900.00	7,116.87	6,614.00	6,580.51	88.33	30.39	-34.58	-427.27	315.46	2,561.51	2,497.44	64.07	39.979		
10,000.00	7,115.70	6,614.00	6,580.51	90.98	30.39	-34.58	-427.27	315.46	2,658.08	2,593.92	64.15	41.432		
10,100.00	7,114.54	6,614.00	6,580.51	93.63	30.39	-34.58	-427.27	315.46	2,754.89	2,690.66	64.23	42.890		
10,200.00	7,113.38	6,614.00	6,580.51	96.29	30.39	-34.58	-427.27	315.46	2,851.92	2,787.62	64.30	44.352		
10,300.00	7,112.21	6,614.00	6,580.51	98.97	30.39	-34.58	-427.27	315.46	2,949.15	2,884.78	64.37	45.817		
10,400.00	7,111.05	6,574.40	6,541.86	101.65	30.26	-32.82	-427.66	306.86	3,045.06	2,980.75	64.31	47.347		
10,500.00	7,109.89	6,571.07	6,538.59	104.34	30.25	-32.69	-427.73	306.24	3,142.38	3,078.01	64.37	48.816		
10,600.00	7,108.72	6,567.90	6,535.47	107.04	30.24	-32.55	-427.80	305.67	3,239.84	3,175.42	64.43	50.287		
10,700.00	7,107.56	6,564.88	6,532.50	109.75	30.23	-32.43	-427.86	305.14	3,337.44	3,272.96	64.48	51.758		
10,800.00	7,106.40	6,562.00	6,529.66	112.47	30.22	-32.31	-427.93	304.65	3,435.16	3,370.62	64.54	53.229		
10,900.00	7,105.24	6,559.25	6,526.96	115.19	30.21	-32.20	-428.00	304.20	3,532.99	3,468.40	64.59	54.701		
11,000.00	7,104.07	6,519.00	6,487.09	117.91	30.08	-30.68	-429.42	298.83	3,632.24	3,567.67	64.57	56.257		
11,100.00	7,102.91	6,519.00	6,487.09	120.64	30.08	-30.68	-429.42	298.83	3,730.10	3,665.47	64.63	57.719		
11,200.00	7,101.75	6,519.00	6,487.09	123.38	30.08	-30.68	-429.42	298.83	3,828.07	3,763.38	64.68	59.181		
11,300.00	7,100.58	6,519.00	6,487.09	126.12	30.08	-30.68	-429.42	298.83	3,926.14	3,861.40	64.74	60.643		
11,400.00	7,099.42	6,519.00	6,487.09	128.87	30.08	-30.68	-429.42	298.83	4,024.31	3,959.51	64.80	62.105		
11,500.00	7,098.26	6,519.00	6,487.09	131.62	30.08	-30.68	-429.42	298.83	4,122.57	4,057.71	64.85	63.567		
11,600.00	7,097.09	6,519.00	6,487.09	134.37	30.08	-30.68	-429.42	298.83	4,220.90	4,155.99	64.91	65.028		
11,700.00	7,095.93	6,519.00	6,487.09	137.13	30.08	-30.68	-429.42	298.83	4,319.32	4,254.35	64.96	66.488		
11,800.00	7,094.77	6,519.00	6,487.09	139.89	30.08	-30.68	-429.42	298.83	4,417.80	4,352.78	65.02	67.947		
11,900.00	7,093.60	6,519.00	6,487.09	142.65	30.08	-30.68	-429.42	298.83	4,516.36	4,451.28	65.07	69.404		
12,000.00	7,092.44	6,519.00	6,487.09	145.42	30.08	-30.68	-429.42	298.83	4,614.97	4,549.84	65.13	70.861		
12,100.00	7,091.28	6,519.00	6,487.09	148.19	30.08	-30.68	-429.42	298.83	4,713.64	4,648.46	65.18	72.316		
12,200.00	7,090.11	6,519.00	6,487.09	150.96	30.08	-30.68	-429.42	298.83	4,812.37	4,747.13	65.24	73.769		
12,300.00	7,088.95	6,519.00	6,487.09	153.74	30.08	-30.68	-429.42	298.83	4,911.15	4,845.86	65.29	75.220		
12,400.00	7,087.79	6,519.00	6,487.09	156.52	30.08	-30.68	-429.42	298.83	5,009.98	4,944.63	65.35	76.669		
12,500.00	7,086.62	6,519.00	6,487.09	159.30	30.08	-30.68	-429.42	298.83	5,108.85	5,043.45	65.40	78.117		
12,600.00	7,085.46	6,519.00	6,487.09	162.08	30.08	-30.68	-429.42	298.83	5,207.77	5,142.31	65.46	79.561		
12,700.00	7,084.30	6,519.00	6,487.09	164.86	30.08	-30.68	-429.42	298.83	5,306.72	5,241.21	65.51	81.004		
12,800.00	7,083.13	6,519.00	6,487.09	167.65	30.08	-30.68	-429.42	298.83	5,405.72	5,340.15	65.57	82.444		
12,900.00	7,081.97	6,519.00	6,487.09	170.44	30.08	-30.68	-429.42	298.83	5,504.75	5,439.13	65.63	83.882		
13,000.00	7,080.81	6,519.00	6,487.09	173.23	30.08	-30.68	-429.42	298.83	5,603.82	5,538.13	65.68	85.317		
13,100.00	7,079.64	6,519.00	6,487.09	176.02	30.08	-30.68	-429.42	298.83	5,702.92	5,637.17	65.74	86.749		
13,200.00	7,078.48	6,519.00	6,487.09	178.81	30.08	-30.68	-429.42	298.83	5,802.04	5,736.25	65.80	88.178		
13,300.00	7,077.32	6,519.00	6,487.09	181.61	30.08	-30.68	-429.42	298.83	5,901.20	5,835.35	65.86	89.605		
13,400.00	7,076.16	6,519.00	6,487.09	184.40	30.08	-30.68	-429.42	298.83	6,000.39	5,934.47	65.92	91.028		
13,500.00	7,074.99	6,519.00	6,487.09	187.20	30.08	-30.68	-429.42	298.83	6,099.60	6,033.63	65.98	92.448		
13,600.00	7,073.83	6,519.00	6,487.09	190.00	30.08	-30.68	-429.42	298.83	6,198.84	6,132.80	66.04	93.866		
13,700.00	7,072.67	6,519.00	6,487.09	192.80	30.08	-30.68	-429.42	298.83	6,298.11	6,232.00	66.10	95.279		
13,800.00	7,071.50	6,519.00	6,487.09	195.60	30.08	-30.68	-429.42	298.83	6,397.39	6,331.23	66.16	96.690		
13,900.00	7,070.34	6,519.00	6,487.09	198.41	30.08	-30.68	-429.42	298.83	6,496.70	6,430.47	66.23	98.097		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,000.00	7,069.18	6,519.00	6,487.09	201.21	30.08	-30.68	-429.42	298.83	6,596.03	6,529.74	66.29	99.501		
14,100.00	7,068.01	6,519.00	6,487.09	204.02	30.08	-30.68	-429.42	298.83	6,695.38	6,629.02	66.36	100.902		
14,200.00	7,066.85	6,519.00	6,487.09	206.82	30.08	-30.68	-429.42	298.83	6,794.74	6,728.32	66.42	102.298		
14,300.00	7,065.69	6,519.00	6,487.09	209.63	30.08	-30.68	-429.42	298.83	6,894.13	6,827.64	66.49	103.691		
14,400.00	7,064.52	6,519.00	6,487.09	212.44	30.08	-30.68	-429.42	298.83	6,993.53	6,926.98	66.55	105.081		
14,500.00	7,063.36	6,519.00	6,487.09	215.25	30.08	-30.68	-429.42	298.83	7,092.95	7,026.33	66.62	106.467		
14,600.00	7,062.20	6,519.00	6,487.09	218.06	30.08	-30.68	-429.42	298.83	7,192.39	7,125.70	66.69	107.849		
14,700.00	7,061.03	6,519.00	6,487.09	220.87	30.08	-30.68	-429.42	298.83	7,291.84	7,225.08	66.76	109.227		
14,800.00	7,059.87	6,519.00	6,487.09	223.68	30.08	-30.68	-429.42	298.83	7,391.31	7,324.48	66.83	110.601		
14,900.00	7,058.71	6,519.00	6,487.09	226.49	30.08	-30.68	-429.42	298.83	7,490.79	7,423.89	66.90	111.972		
15,000.00	7,057.54	6,519.00	6,487.09	229.30	30.08	-30.68	-429.42	298.83	7,590.28	7,523.31	66.97	113.338		
15,100.00	7,056.38	6,519.00	6,487.09	232.12	30.08	-30.68	-429.42	298.83	7,689.79	7,622.75	67.04	114.701		
15,200.00	7,055.22	6,519.00	6,487.09	234.93	30.08	-30.68	-429.42	298.83	7,789.31	7,722.20	67.11	116.059		
15,300.00	7,054.05	6,519.00	6,487.09	237.75	30.08	-30.68	-429.42	298.83	7,888.84	7,821.65	67.19	117.414		
15,400.00	7,052.89	6,519.00	6,487.09	240.56	30.08	-30.68	-429.42	298.83	7,988.39	7,921.12	67.26	118.764		
15,500.00	7,051.73	6,519.00	6,487.09	243.38	30.08	-30.68	-429.42	298.83	8,087.94	8,020.60	67.34	120.110		
15,600.00	7,050.56	6,519.00	6,487.09	246.20	30.08	-30.68	-429.42	298.83	8,187.51	8,120.09	67.41	121.452		
15,648.52	7,050.00	6,519.00	6,487.09	247.57	30.08	-30.68	-429.42	298.83	8,235.82	8,168.37	67.45	122.102		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	82.45	68.86	519.72	524.31					
100.00	100.00	99.28	99.28	3.28	3.29	82.47	68.63	519.15	523.71	517.14	6.57	79.681		
200.00	200.00	202.50	202.49	3.34	3.32	82.51	68.01	517.45	521.99	515.33	6.66	78.379		
300.00	300.00	298.70	298.67	3.44	3.41	82.46	68.27	515.96	520.49	513.63	6.86	75.906		
400.00	399.98	394.49	394.44	3.60	3.55	-9.26	69.89	515.13	518.13	510.98	7.15	72.490		
500.00	499.84	489.72	489.59	3.80	3.73	-9.79	73.65	514.67	513.05	505.52	7.52	68.198		
600.00	599.45	584.75	584.35	4.04	3.94	-10.78	80.81	514.77	505.72	497.74	7.98	63.381		
682.50	681.36	665.36	664.65	4.26	4.15	-11.82	87.85	514.99	497.53	489.12	8.42	59.121		
700.00	698.71	682.26	681.48	4.32	4.20	-12.04	89.32	515.06	495.60	487.09	8.51	58.204		
800.00	797.82	780.34	779.18	4.62	4.49	-13.36	97.94	515.67	484.90	475.80	9.11	53.254		
900.00	896.93	877.97	876.24	4.95	4.82	-14.97	108.47	515.84	474.51	464.76	9.75	48.657		
1,000.00	996.04	976.08	973.29	5.30	5.18	-17.12	122.81	515.40	464.94	454.49	10.46	44.461		
1,100.00	1,095.15	1,073.40	1,069.09	5.67	5.58	-19.71	139.83	513.92	455.95	444.74	11.21	40.663		
1,200.00	1,194.26	1,170.55	1,164.50	6.05	6.00	-22.54	158.04	512.21	448.20	436.19	12.01	37.324		
1,300.00	1,293.37	1,266.41	1,258.71	6.45	6.44	-25.39	175.71	510.62	441.60	428.77	12.83	34.427		
1,400.00	1,392.48	1,365.01	1,355.60	6.85	6.91	-28.39	193.95	509.17	436.40	422.73	13.68	31.912		
1,500.00	1,491.59	1,469.92	1,458.87	7.26	7.42	-31.56	212.27	506.94	431.39	416.84	14.56	29.630		
1,600.00	1,590.70	1,564.88	1,552.50	7.68	7.88	-34.43	227.91	504.36	426.59	411.18	15.41	27.682		
1,700.00	1,689.81	1,669.95	1,656.08	8.10	8.40	-37.68	245.24	501.36	422.92	406.61	16.31	25.933		
1,800.00	1,788.92	1,760.15	1,745.07	8.53	8.85	-40.49	259.70	498.49	419.95	402.81	17.15	24.493		
1,851.47	1,839.93	1,807.17	1,791.39	8.75	9.09	-41.97	267.68	497.51	419.63	402.05	17.58	23.874 CC		
1,900.00	1,888.03	1,852.09	1,835.68	8.96	9.31	-43.34	275.23	497.00	419.90	401.92	17.98	23.349 ES		
2,000.00	1,987.14	1,945.39	1,927.61	9.39	9.79	-46.10	291.07	496.78	422.10	403.28	18.82	22.429		
2,100.00	2,086.25	2,036.64	2,017.34	9.83	10.27	-48.83	307.69	496.94	426.58	406.95	19.64	21.722		
2,200.00	2,185.36	2,141.20	2,119.97	10.27	10.84	-52.06	327.70	496.35	432.50	411.95	20.54	21.053		
2,300.00	2,284.47	2,252.49	2,229.46	10.71	11.43	-55.54	347.25	492.97	436.95	415.46	21.48	20.337		
2,400.00	2,383.58	2,334.83	2,310.32	11.15	11.88	-58.19	362.49	489.71	442.94	420.70	22.24	19.912		
2,500.00	2,482.69	2,434.43	2,407.99	11.60	12.43	-61.28	381.75	486.57	451.41	428.29	23.11	19.531		
2,600.00	2,581.80	2,530.76	2,502.64	12.05	12.96	-63.99	399.50	484.52	460.75	436.81	23.95	19.242		
2,700.00	2,680.91	2,614.47	2,584.76	12.50	13.42	-66.16	415.73	484.10	472.64	447.97	24.66	19.163		
2,800.00	2,780.02	2,711.60	2,679.82	12.95	13.98	-68.52	435.66	484.41	486.76	461.26	25.50	19.090		
2,900.00	2,879.13	2,810.74	2,776.85	13.40	14.54	-70.88	456.00	483.89	501.41	475.05	26.35	19.025		
3,000.00	2,978.24	2,910.37	2,874.37	13.85	15.12	-73.24	476.28	482.16	516.34	489.13	27.22	18.972		
3,100.00	3,077.35	3,009.39	2,971.40	14.30	15.68	-75.44	495.99	480.43	531.65	503.57	28.07	18.937		
3,200.00	3,176.46	3,109.89	3,069.96	14.76	16.26	-77.59	515.55	478.17	547.14	518.19	28.95	18.902		
3,300.00	3,275.57	3,210.70	3,168.99	15.21	16.82	-79.55	534.30	476.43	562.56	532.74	29.82	18.863		
3,400.00	3,374.68	3,309.56	3,266.17	15.67	17.37	-81.39	552.30	474.47	578.16	547.48	30.68	18.843		
3,500.00	3,473.79	3,408.38	3,363.44	16.12	17.92	-82.98	569.76	474.09	593.97	562.42	31.55	18.829		
3,600.00	3,572.90	3,506.98	3,460.51	16.58	18.46	-84.45	587.02	473.97	610.05	577.64	32.41	18.823		
3,700.00	3,672.01	3,608.81	3,560.84	17.04	19.01	-85.91	604.46	473.62	626.13	592.82	33.31	18.799		
3,800.00	3,771.12	3,700.33	3,651.06	17.50	19.51	-87.20	619.79	472.92	642.19	608.08	34.11	18.826		
3,900.00	3,870.23	3,786.40	3,735.61	17.95	19.99	-88.33	635.92	472.51	660.52	625.65	34.86	18.946		
4,000.00	3,969.34	3,880.31	3,827.68	18.41	20.53	-89.53	654.36	471.85	680.07	644.37	35.70	19.051		
4,100.00	4,068.45	3,979.29	3,924.70	18.87	21.11	-90.77	673.95	470.62	700.08	663.49	36.59	19.133		
4,200.00	4,167.56	4,080.66	4,024.18	19.33	21.69	-92.02	693.31	468.63	719.71	682.20	37.51	19.188		
4,300.00	4,266.67	4,182.49	4,124.19	19.79	22.26	-93.24	712.31	466.32	739.24	700.81	38.43	19.235		
4,400.00	4,365.78	4,277.42	4,217.52	20.25	22.80	-94.36	729.44	463.61	758.48	719.20	39.29	19.306		
4,500.00	4,464.89	4,373.81	4,312.17	20.71	23.35	-95.27	747.72	463.22	778.68	738.52	40.16	19.389		
4,600.00	4,564.00	4,474.54	4,411.17	21.17	23.92	-96.19	766.28	462.52	798.56	757.48	41.08	19.437		
4,700.00	4,663.11	4,574.99	4,509.96	21.63	24.48	-97.11	784.42	461.11	818.35	776.35	42.00	19.483		
4,800.00	4,762.22	4,669.44	4,602.88	22.09	25.01	-97.96	801.27	459.59	838.14	795.28	42.86	19.553		
4,900.00	4,861.33	4,769.88	4,701.62	22.56	25.57	-98.72	819.65	459.34	858.36	814.57	43.79	19.602		

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 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,868.68	4,798.86	23.02	26.12	-99.47	837.16	458.67	878.22	833.52	44.70	19.647		
5,100.00	5,059.55	4,970.60	4,899.21	23.48	26.69	-100.25	854.91	457.33	898.03	852.39	45.64	19.677		
5,200.00	5,158.66	5,079.55	5,006.65	23.94	27.28	-101.06	872.91	455.91	917.10	870.46	46.64	19.662		
5,300.00	5,257.77	5,160.11	5,086.06	24.40	27.73	-101.62	886.46	455.15	936.54	889.16	47.38	19.767		
5,400.00	5,356.88	5,262.64	5,186.98	24.87	28.29	-102.33	904.45	453.43	956.94	908.61	48.33	19.800		
5,500.00	5,455.99	5,346.48	5,269.51	25.33	28.76	-102.93	919.11	451.40	977.58	928.49	49.10	19.912		
5,600.00	5,555.10	5,446.09	5,367.38	25.79	29.33	-103.58	937.46	449.27	999.18	949.16	50.02	19.974		
5,700.00	5,654.21	5,557.31	5,476.83	26.25	29.95	-104.20	957.21	448.50	1,019.92	968.85	51.07	19.971		
5,800.00	5,753.32	5,672.27	5,590.26	26.72	30.57	-104.89	975.85	446.60	1,039.54	987.40	52.14	19.939		
5,900.00	5,852.43	5,809.67	5,726.49	27.18	31.26	-105.73	993.51	444.67	1,055.80	1,002.45	53.35	19.792		
6,000.00	5,951.54	5,985.55	5,901.76	27.64	32.03	-106.93	1,007.10	441.34	1,067.83	1,013.20	54.63	19.548		
6,100.00	6,050.65	6,141.64	6,057.83	28.11	32.58	-107.99	1,008.42	441.07	1,072.45	1,016.87	55.58	19.295		
6,200.00	6,149.76	6,232.16	6,148.34	28.57	32.86	-108.61	1,007.70	441.18	1,075.85	1,019.43	56.42	19.068		
6,300.00	6,248.87	6,339.27	6,255.44	29.03	33.21	-109.28	1,006.86	442.29	1,079.13	1,021.85	57.27	18.842		
6,400.00	6,347.98	6,441.26	6,357.38	29.50	33.55	-109.81	1,006.78	445.37	1,082.60	1,024.46	58.14	18.622		
6,475.54	6,422.84	6,545.47	6,460.20	29.85	33.91	-109.67	1,008.89	461.11	1,083.86	1,025.06	58.80	18.432		
6,500.00	6,447.14	6,577.80	6,490.93	29.96	34.03	-110.68	1,010.64	470.96	1,083.74	1,024.73	59.02	18.363		
6,550.00	6,497.05	6,640.72	6,548.73	30.17	34.25	-130.48	1,015.09	495.41	1,082.33	1,022.87	59.46	18.203		
6,600.00	6,547.02	6,702.68	6,605.78	30.37	34.47	84.18	1,018.45	519.34	1,079.57	1,019.70	59.87	18.033		
6,650.00	6,596.75	6,939.05	6,808.97	30.55	35.11	88.05	1,015.27	636.41	1,072.34	1,012.93	59.40	18.051		
6,700.00	6,645.93	6,970.65	6,832.43	30.74	35.17	89.18	1,013.53	657.51	1,062.27	1,002.21	60.07	17.685		
6,750.00	6,694.25	7,002.96	6,855.47	30.93	35.24	90.96	1,011.96	680.10	1,053.46	992.74	60.72	17.350		
6,800.00	6,741.43	7,029.25	6,873.41	31.12	35.30	92.63	1,010.70	699.28	1,046.25	984.88	61.38	17.047		
6,850.00	6,787.16	7,044.94	6,883.73	31.32	35.34	93.72	1,009.97	711.06	1,041.13	979.11	62.02	16.786		
6,900.00	6,831.16	7,054.91	6,890.14	31.52	35.36	94.36	1,009.52	718.70	1,038.42	975.81	62.61	16.586		
6,927.66	6,854.67	7,058.30	6,892.29	31.64	35.37	94.52	1,009.37	721.32	1,038.01	975.12	62.90	16.504		
6,950.00	6,873.17	7,060.09	6,893.41	31.74	35.37	94.55	1,009.30	722.70	1,038.28	975.17	63.11	16.452		
7,000.00	6,912.92	7,061.38	6,894.22	31.96	35.37	94.32	1,009.24	723.70	1,040.79	977.26	63.52	16.384		
7,050.00	6,950.18	7,059.51	6,893.05	32.21	35.37	93.69	1,009.32	722.25	1,045.92	982.07	63.86	16.379 SF		
7,100.00	6,984.70	7,055.05	6,890.23	32.48	35.36	92.70	1,009.52	718.80	1,053.60	989.48	64.12	16.431		
7,150.00	7,016.29	7,048.45	6,886.00	32.77	35.34	91.38	1,009.81	713.74	1,063.67	999.34	64.34	16.533		
7,200.00	7,044.73	7,040.07	6,880.56	33.10	35.33	89.77	1,010.19	707.38	1,075.95	1,011.44	64.51	16.679		
7,250.00	7,069.86	7,027.00	6,871.90	33.46	35.30	87.72	1,010.81	697.61	1,090.22	1,025.58	64.64	16.867		
7,300.00	7,091.53	7,018.14	6,865.92	33.86	35.28	85.74	1,011.23	691.08	1,106.21	1,041.39	64.82	17.065		
7,350.00	7,109.59	7,004.52	6,856.55	34.30	35.25	83.39	1,011.89	681.21	1,123.68	1,058.69	64.99	17.290		
7,400.00	7,123.94	6,989.87	6,846.27	34.78	35.21	80.91	1,012.59	670.82	1,142.34	1,077.16	65.18	17.527		
7,450.00	7,134.49	6,980.00	6,839.20	35.29	35.19	78.57	1,013.07	663.94	1,161.96	1,096.50	65.46	17.752		
7,500.00	7,141.18	6,960.00	6,824.62	35.84	35.15	75.78	1,014.09	650.29	1,182.24	1,116.56	65.68	18.001		
7,550.00	7,143.95	6,944.33	6,812.95	36.42	35.12	73.20	1,014.96	639.87	1,203.01	1,137.02	65.98	18.232		
7,567.79	7,144.00	6,932.00	6,803.62	36.63	35.09	72.05	1,015.69	631.84	1,210.50	1,144.47	66.03	18.333		
7,600.00	7,143.62	6,932.00	6,803.62	37.03	35.09	72.05	1,015.69	631.84	1,224.25	1,157.89	66.37	18.447		
7,700.00	7,142.46	6,896.66	6,776.22	38.38	35.02	70.77	1,017.97	609.64	1,270.20	1,203.13	67.08	18.937		
7,800.00	7,141.29	6,864.24	6,750.18	39.88	34.95	69.57	1,020.12	590.46	1,320.69	1,252.85	67.84	19.467		
7,900.00	7,140.13	6,837.00	6,727.45	41.53	34.89	68.53	1,021.49	575.51	1,375.25	1,306.61	68.64	20.034		
8,000.00	7,138.97	6,802.16	6,697.17	43.30	34.79	67.16	1,022.15	558.31	1,433.54	1,364.20	69.34	20.675		
8,100.00	7,137.80	6,778.65	6,676.01	45.18	34.72	66.19	1,021.72	548.07	1,495.39	1,425.33	70.06	21.345		
8,200.00	7,136.64	6,759.52	6,658.51	47.16	34.65	65.40	1,021.09	540.39	1,560.63	1,489.86	70.78	22.050		
8,300.00	7,135.48	6,746.42	6,646.40	49.22	34.61	64.85	1,020.54	535.43	1,628.96	1,557.45	71.51	22.779		
8,400.00	7,134.32	6,734.32	6,634.32	51.36	34.27	60.81	1,015.45	497.67	1,699.27	1,627.98	71.28	23.838		
8,500.00	7,133.15	6,722.15	6,622.15	53.56	34.11	59.02	1,012.21	479.25	1,770.38	1,698.79	71.59	24.731		
8,600.00	7,131.99	6,710.00	6,610.00	55.82	34.11	59.02	1,012.21	479.25	1,843.97	1,771.65	72.33	25.495		
8,700.00	7,130.83	6,698.00	6,600.00	58.13	34.11	59.02	1,012.21	479.25	1,919.96	1,846.97	72.98	26.307		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,800.00	7,129.66	6,600.00	6,511.46	60.49	34.11	59.02	1,012.21	479.25	1,998.05	1,924.49	73.56	27.161		
8,900.00	7,128.50	6,600.00	6,511.46	62.89	34.11	59.02	1,012.21	479.25	2,078.03	2,003.95	74.08	28.050		
9,000.00	7,127.34	6,600.00	6,511.46	65.32	34.11	59.02	1,012.21	479.25	2,159.68	2,085.13	74.54	28.972		
9,100.00	7,126.17	6,560.41	6,474.51	67.79	33.97	57.51	1,009.62	465.33	2,240.39	2,165.71	74.68	30.000		
9,200.00	7,125.01	6,556.03	6,470.34	70.28	33.95	57.34	1,009.39	464.03	2,324.29	2,249.25	75.04	30.975		
9,300.00	7,123.85	6,551.96	6,466.44	72.80	33.94	57.19	1,009.19	462.87	2,409.36	2,334.00	75.36	31.971		
9,400.00	7,122.68	6,548.16	6,462.79	75.34	33.92	57.05	1,009.01	461.82	2,495.50	2,419.85	75.65	32.987		
9,500.00	7,121.52	6,505.00	6,420.68	77.91	33.77	55.43	1,007.61	452.59	2,585.00	2,509.33	75.68	34.158		
9,600.00	7,120.36	6,505.00	6,420.68	80.49	33.77	55.43	1,007.61	452.59	2,672.58	2,596.63	75.95	35.188		
9,700.00	7,119.19	6,505.00	6,420.68	83.09	33.77	55.43	1,007.61	452.59	2,760.99	2,684.79	76.20	36.234		
9,800.00	7,118.03	6,505.00	6,420.68	85.70	33.77	55.43	1,007.61	452.59	2,850.18	2,773.75	76.42	37.294		
9,900.00	7,116.87	6,505.00	6,420.68	88.33	33.77	55.43	1,007.61	452.59	2,940.06	2,863.43	76.63	38.368		
10,000.00	7,115.70	6,505.00	6,420.68	90.98	33.77	55.43	1,007.61	452.59	3,030.57	2,953.75	76.82	39.453		
10,100.00	7,114.54	6,505.00	6,420.68	93.63	33.77	55.43	1,007.61	452.59	3,121.66	3,044.68	76.99	40.548		
10,200.00	7,113.38	6,505.00	6,420.68	96.29	33.77	55.43	1,007.61	452.59	3,213.28	3,136.14	77.14	41.653		
10,300.00	7,112.21	6,505.00	6,420.68	98.97	33.77	55.43	1,007.61	452.59	3,305.39	3,228.10	77.29	42.767		
10,400.00	7,111.05	6,505.00	6,420.68	101.65	33.77	55.43	1,007.61	452.59	3,397.95	3,320.52	77.42	43.888		
10,500.00	7,109.89	6,505.00	6,420.68	104.34	33.77	55.43	1,007.61	452.59	3,490.91	3,413.36	77.55	45.017		
10,600.00	7,108.72	6,505.00	6,420.68	107.04	33.77	55.43	1,007.61	452.59	3,584.25	3,506.59	77.66	46.151		
10,700.00	7,107.56	6,505.00	6,420.68	109.75	33.77	55.43	1,007.61	452.59	3,677.95	3,600.18	77.77	47.292		
10,800.00	7,106.40	6,505.00	6,420.68	112.47	33.77	55.43	1,007.61	452.59	3,771.96	3,694.09	77.87	48.437		
10,900.00	7,105.24	6,505.00	6,420.68	115.19	33.77	55.43	1,007.61	452.59	3,866.28	3,788.31	77.97	49.587		
11,000.00	7,104.07	6,505.00	6,420.68	117.91	33.77	55.43	1,007.61	452.59	3,960.88	3,882.82	78.06	50.742		
11,100.00	7,102.91	6,505.00	6,420.68	120.64	33.77	55.43	1,007.61	452.59	4,055.73	3,977.59	78.15	51.900		
11,200.00	7,101.75	6,505.00	6,420.68	123.38	33.77	55.43	1,007.61	452.59	4,150.83	4,072.60	78.23	53.061		
11,300.00	7,100.58	6,505.00	6,420.68	126.12	33.77	55.43	1,007.61	452.59	4,246.15	4,167.85	78.31	54.225		
11,400.00	7,099.42	6,505.00	6,420.68	128.87	33.77	55.43	1,007.61	452.59	4,341.69	4,263.31	78.38	55.392		
11,500.00	7,098.26	6,505.00	6,420.68	131.62	33.77	55.43	1,007.61	452.59	4,437.42	4,358.96	78.45	56.562		
11,600.00	7,097.09	6,505.00	6,420.68	134.37	33.77	55.43	1,007.61	452.59	4,533.33	4,454.81	78.52	57.733		
11,700.00	7,095.93	6,505.00	6,420.68	137.13	33.77	55.43	1,007.61	452.59	4,629.42	4,550.83	78.59	58.907		
11,800.00	7,094.77	6,505.00	6,420.68	139.89	33.77	55.43	1,007.61	452.59	4,725.67	4,647.01	78.65	60.081		
11,900.00	7,093.60	6,505.00	6,420.68	142.65	33.77	55.43	1,007.61	452.59	4,822.07	4,743.35	78.72	61.258		
12,000.00	7,092.44	6,505.00	6,420.68	145.42	33.77	55.43	1,007.61	452.59	4,918.61	4,839.83	78.78	62.435		
12,100.00	7,091.28	6,505.00	6,420.68	148.19	33.77	55.43	1,007.61	452.59	5,015.29	4,936.45	78.84	63.613		
12,200.00	7,090.11	6,505.00	6,420.68	150.96	33.77	55.43	1,007.61	452.59	5,112.10	5,033.20	78.90	64.792		
12,300.00	7,088.95	6,505.00	6,420.68	153.74	33.77	55.43	1,007.61	452.59	5,209.03	5,130.07	78.96	65.972		
12,400.00	7,087.79	6,505.00	6,420.68	156.52	33.77	55.43	1,007.61	452.59	5,306.08	5,227.06	79.02	67.152		
12,500.00	7,086.62	6,505.00	6,420.68	159.30	33.77	55.43	1,007.61	452.59	5,403.23	5,324.15	79.07	68.333		
12,600.00	7,085.46	6,505.00	6,420.68	162.08	33.77	55.43	1,007.61	452.59	5,500.48	5,421.35	79.13	69.513		
12,700.00	7,084.30	6,505.00	6,420.68	164.86	33.77	55.43	1,007.61	452.59	5,597.83	5,518.65	79.18	70.694		
12,800.00	7,083.13	6,505.00	6,420.68	167.65	33.77	55.43	1,007.61	452.59	5,695.27	5,616.03	79.24	71.874		
12,900.00	7,081.97	6,505.00	6,420.68	170.44	33.77	55.43	1,007.61	452.59	5,792.80	5,713.51	79.29	73.054		
13,000.00	7,080.81	6,505.00	6,420.68	173.23	33.77	55.43	1,007.61	452.59	5,890.41	5,811.06	79.35	74.234		
13,100.00	7,079.64	6,505.00	6,420.68	176.02	33.77	55.43	1,007.61	452.59	5,988.10	5,908.70	79.40	75.414		
13,200.00	7,078.48	6,505.00	6,420.68	178.81	33.77	55.43	1,007.61	452.59	6,085.87	6,006.41	79.46	76.592		
13,300.00	7,077.32	6,505.00	6,420.68	181.61	33.77	55.43	1,007.61	452.59	6,183.71	6,104.19	79.51	77.770		
13,400.00	7,076.16	6,505.00	6,420.68	184.40	33.77	55.43	1,007.61	452.59	6,281.61	6,202.05	79.57	78.948		
13,500.00	7,074.99	6,505.00	6,420.68	187.20	33.77	55.43	1,007.61	452.59	6,379.58	6,299.96	79.62	80.124		
13,600.00	7,073.83	6,505.00	6,420.68	190.00	33.77	55.43	1,007.61	452.59	6,477.61	6,397.94	79.68	81.300		
13,700.00	7,072.67	6,505.00	6,420.68	192.80	33.77	55.43	1,007.61	452.59	6,575.71	6,495.98	79.73	82.475		
13,800.00	7,071.50	6,505.00	6,420.68	195.60	33.77	55.43	1,007.61	452.59	6,673.85	6,594.07	79.78	83.648		
13,900.00	7,070.34	6,505.00	6,420.68	198.41	33.77	55.43	1,007.61	452.59	6,772.06	6,692.22	79.84	84.820		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,000.00	7,069.18	6,462.83	6,378.87	201.21	33.63	53.89	1,006.97	447.19	6,868.94	6,789.10	79.84	86.037		
14,100.00	7,068.01	6,461.79	6,377.84	204.02	33.62	53.85	1,006.96	447.09	6,967.18	6,887.29	79.89	87.207		
14,200.00	7,066.85	6,460.78	6,376.83	206.82	33.62	53.82	1,006.95	446.99	7,065.46	6,985.52	79.95	88.376		
14,300.00	7,065.69	6,459.80	6,375.85	209.63	33.62	53.78	1,006.94	446.90	7,163.80	7,083.79	80.00	89.544		
14,400.00	7,064.52	6,458.84	6,374.90	212.44	33.61	53.75	1,006.93	446.81	7,262.17	7,182.11	80.06	90.710		
14,500.00	7,063.36	6,457.91	6,373.97	215.25	33.61	53.72	1,006.92	446.72	7,360.59	7,280.47	80.12	91.875		
14,600.00	7,062.20	6,456.99	6,373.06	218.06	33.61	53.68	1,006.91	446.64	7,459.05	7,378.88	80.17	93.038		
14,700.00	7,061.03	6,456.10	6,372.17	220.87	33.60	53.65	1,006.90	446.56	7,557.55	7,477.32	80.23	94.199		
14,800.00	7,059.87	6,455.23	6,371.30	223.68	33.60	53.62	1,006.89	446.48	7,656.08	7,575.80	80.29	95.359		
14,900.00	7,058.71	6,454.38	6,370.46	226.49	33.60	53.59	1,006.89	446.40	7,754.65	7,674.31	80.35	96.517		
15,000.00	7,057.54	6,453.55	6,369.63	229.30	33.60	53.56	1,006.88	446.33	7,853.26	7,772.86	80.40	97.673		
15,100.00	7,056.38	6,410.00	6,326.15	232.12	33.45	52.04	1,006.65	443.88	7,953.29	7,872.88	80.41	98.909		
15,200.00	7,055.22	6,410.00	6,326.15	234.93	33.45	52.04	1,006.65	443.88	8,051.91	7,971.44	80.47	100.060		
15,300.00	7,054.05	6,410.00	6,326.15	237.75	33.45	52.04	1,006.65	443.88	8,150.57	8,070.04	80.53	101.208		
15,400.00	7,052.89	6,410.00	6,326.15	240.56	33.45	52.04	1,006.65	443.88	8,249.26	8,168.66	80.59	102.355		
15,500.00	7,051.73	6,410.00	6,326.15	243.38	33.45	52.04	1,006.65	443.88	8,347.97	8,267.32	80.66	103.500		
15,600.00	7,050.56	6,410.00	6,326.15	246.20	33.45	52.04	1,006.65	443.88	8,446.72	8,366.00	80.72	104.643		
15,648.52	7,050.00	6,410.00	6,326.15	247.57	33.45	52.04	1,006.65	443.88	8,494.65	8,413.90	80.75	105.196		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	84.06	53.93	518.05	520.90					
100.00	100.00	93.50	93.50	3.28	3.29	84.07	53.79	518.02	520.81	514.24	6.57	79.257		
200.00	200.00	195.01	195.01	3.34	3.32	84.12	53.33	517.89	520.63	513.98	6.65	78.242		
300.00	300.00	298.79	298.78	3.44	3.41	84.21	52.46	517.19	519.88	513.02	6.86	75.780		
400.00	399.98	398.29	398.28	3.60	3.56	-7.26	51.81	516.10	516.99	509.83	7.16	72.200		
500.00	499.84	501.62	501.60	3.80	3.76	-7.30	51.17	514.84	510.53	502.97	7.56	67.527		
600.00	599.45	601.88	601.84	4.04	3.99	-7.39	50.45	513.06	500.06	492.02	8.03	62.249		
682.50	681.36	679.70	679.64	4.26	4.19	-7.56	50.31	511.90	489.11	480.65	8.46	57.839		
700.00	698.71	696.14	696.09	4.32	4.24	-7.60	50.37	511.73	486.63	478.07	8.55	56.897		
800.00	797.82	797.81	797.74	4.62	4.53	-7.92	51.05	510.49	472.30	463.17	9.14	51.698		
900.00	896.93	894.62	894.53	4.95	4.82	-8.38	52.79	509.10	457.91	448.16	9.75	46.983		
1,000.00	996.04	991.50	991.34	5.30	5.13	-9.10	56.31	507.91	443.99	433.60	10.39	42.726		
1,100.00	1,095.15	1,086.20	1,085.92	5.67	5.44	-10.01	61.01	507.26	430.87	419.81	11.06	38.947		
1,200.00	1,194.26	1,181.18	1,180.72	6.05	5.77	-11.08	66.70	507.42	418.87	407.11	11.76	35.608		
1,300.00	1,293.37	1,283.06	1,282.38	6.45	6.14	-12.39	73.43	507.53	407.09	394.58	12.51	32.539		
1,400.00	1,392.48	1,381.54	1,380.51	6.85	6.51	-13.98	81.56	506.89	395.15	381.87	13.27	29.770		
1,500.00	1,491.59	1,478.98	1,477.22	7.26	6.89	-16.23	93.45	505.59	383.83	369.77	14.06	27.297		
1,600.00	1,590.70	1,580.28	1,577.41	7.68	7.31	-19.10	108.20	503.26	372.96	358.07	14.89	25.048		
1,700.00	1,689.81	1,682.26	1,678.25	8.10	7.75	-22.22	123.01	499.73	361.96	346.21	15.74	22.992		
1,800.00	1,788.92	1,783.44	1,778.34	8.53	8.20	-25.48	137.09	495.13	350.82	334.21	16.61	21.122		
1,900.00	1,888.03	1,879.64	1,873.61	8.96	8.63	-28.64	149.60	490.63	340.31	322.84	17.47	19.477		
2,000.00	1,987.14	1,970.65	1,963.70	9.39	9.04	-31.79	162.15	487.73	332.59	314.26	18.32	18.149		
2,100.00	2,086.25	2,071.60	2,063.69	9.83	9.50	-35.34	175.73	484.92	326.28	307.06	19.22	16.977		
2,200.00	2,185.36	2,171.33	2,162.61	10.27	9.96	-38.82	188.06	482.01	320.47	300.37	20.11	15.939		
2,300.00	2,284.47	2,269.60	2,260.18	10.71	10.42	-42.26	199.41	479.14	315.36	294.37	20.99	15.024		
2,400.00	2,383.58	2,362.66	2,352.33	11.15	10.86	-45.93	211.92	475.66	312.21	290.36	21.85	14.286		
2,438.53	2,421.77	2,397.34	2,386.60	11.33	11.02	-47.37	217.15	474.48	311.92	289.74	22.18	14.065 CC		
2,500.00	2,482.69	2,457.66	2,446.14	11.60	11.32	-49.89	226.65	472.64	312.43	289.70	22.72	13.750 ES		
2,600.00	2,581.80	2,554.73	2,542.06	12.05	11.80	-53.91	241.03	469.05	313.45	289.86	23.60	13.284		
2,700.00	2,680.91	2,644.52	2,630.54	12.50	12.25	-57.59	256.15	466.94	318.46	294.06	24.40	13.054		
2,800.00	2,780.02	2,743.32	2,727.72	12.95	12.76	-61.66	273.76	464.17	325.70	300.43	25.27	12.890		
2,900.00	2,879.13	2,840.16	2,823.02	13.40	13.26	-65.53	290.60	460.80	333.87	307.76	26.11	12.787		
3,000.00	2,978.24	2,935.28	2,916.70	13.85	13.75	-68.78	307.08	459.84	344.36	317.43	26.93	12.789		
3,100.00	3,077.35	3,035.55	3,015.48	14.30	14.27	-72.00	324.22	458.76	355.75	327.95	27.80	12.798		
3,200.00	3,176.46	3,136.97	3,115.52	14.76	14.79	-75.18	340.79	456.58	367.15	338.47	28.68	12.802		
3,300.00	3,275.57	3,237.85	3,215.13	15.21	15.31	-78.25	356.44	453.56	378.60	349.05	29.55	12.811		
3,400.00	3,374.68	3,335.10	3,311.21	15.67	15.81	-81.08	371.07	450.16	390.49	360.10	30.39	12.851		
3,500.00	3,473.79	3,434.24	3,409.20	16.12	16.31	-83.66	385.94	447.68	403.37	372.12	31.24	12.910		
3,600.00	3,572.90	3,527.18	3,501.05	16.58	16.79	-85.97	399.85	445.04	416.95	384.92	32.03	13.017		
3,700.00	3,672.01	3,624.47	3,597.08	17.04	17.29	-88.03	415.46	443.93	432.34	399.47	32.87	13.152		
3,800.00	3,771.12	3,722.35	3,693.73	17.50	17.80	-90.06	430.76	442.03	447.86	414.14	33.72	13.280		
3,900.00	3,870.23	3,817.05	3,787.19	17.95	18.30	-91.99	445.87	439.43	464.24	429.70	34.54	13.441		
4,000.00	3,969.34	3,913.14	3,881.90	18.41	18.81	-93.92	461.67	435.87	481.68	446.31	35.38	13.616		
4,100.00	4,068.45	4,011.70	3,979.04	18.87	19.34	-95.85	477.76	431.49	499.60	463.36	36.24	13.784		
4,200.00	4,167.56	4,115.45	4,081.41	19.33	19.88	-97.77	493.90	426.68	517.31	480.13	37.18	13.914		
4,300.00	4,266.67	4,219.70	4,184.50	19.79	20.42	-99.60	508.63	421.79	534.11	496.00	38.12	14.012		
4,400.00	4,365.78	4,321.18	4,284.98	20.25	20.94	-101.34	521.83	416.51	550.37	511.35	39.02	14.105		
4,500.00	4,464.89	4,421.50	4,384.40	20.71	21.44	-102.78	534.75	413.09	566.56	526.65	39.91	14.195		
4,600.00	4,564.00	4,538.78	4,500.93	21.17	22.01	-104.28	547.67	410.61	580.97	540.01	40.96	14.183		
4,700.00	4,663.11	4,650.26	4,612.00	21.63	22.52	-105.57	557.14	409.51	592.95	551.02	41.93	14.141		
4,800.00	4,762.22	4,766.35	4,727.86	22.09	23.03	-106.99	564.10	407.70	602.99	560.09	42.90	14.055		
4,900.00	4,861.33	4,890.27	4,851.73	22.56	23.53	-108.57	566.81	405.91	609.61	565.76	43.85	13.903		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,985.92	4,947.37	23.02	23.89	-109.80	567.12	404.64	614.74	570.04	44.70	13.752		
5,100.00	5,059.55	5,084.09	5,045.52	23.48	24.27	-111.03	567.77	403.34	620.50	574.93	45.57	13.618		
5,200.00	5,158.66	5,184.60	5,146.03	23.94	24.66	-112.31	568.23	401.64	626.47	580.03	46.43	13.491		
5,300.00	5,257.77	5,282.18	5,243.59	24.40	25.04	-113.55	568.61	399.71	632.79	585.50	47.29	13.380		
5,400.00	5,356.88	5,384.04	5,345.42	24.87	25.43	-114.83	568.68	397.71	639.12	590.96	48.17	13.269		
5,500.00	5,455.99	5,479.29	5,440.66	25.33	25.81	-115.99	568.84	395.90	645.81	596.79	49.02	13.175		
5,600.00	5,555.10	5,574.88	5,536.22	25.79	26.19	-117.09	569.96	394.20	653.63	603.75	49.88	13.105		
5,700.00	5,654.21	5,683.46	5,644.79	26.25	26.62	-118.11	571.20	394.83	660.58	609.81	50.78	13.010		
5,800.00	5,753.32	5,777.84	5,739.11	26.72	26.99	-118.79	573.24	397.42	667.64	616.01	51.63	12.932		
5,900.00	5,852.43	5,876.91	5,838.11	27.18	27.39	-119.49	576.03	399.68	675.59	623.09	52.50	12.868		
6,000.00	5,951.54	5,979.70	5,940.89	27.64	27.79	-120.51	576.40	399.36	682.75	629.37	53.38	12.790		
6,100.00	6,050.65	6,072.57	6,033.76	28.11	28.16	-121.45	576.85	398.32	690.63	636.40	54.23	12.736		
6,200.00	6,149.76	6,190.27	6,151.44	28.57	28.62	-122.63	577.27	396.88	698.82	643.66	55.15	12.670		
6,300.00	6,248.87	6,291.52	6,252.67	29.03	29.00	-123.57	575.42	397.83	704.07	648.06	56.01	12.570		
6,400.00	6,347.98	6,451.10	6,411.32	29.50	29.59	-123.93	576.30	412.93	707.58	650.75	56.83	12.452		
6,475.54	6,422.84	6,475.54	6,538.76	29.85	29.69	-122.31	576.89	452.92	700.27	643.65	56.62	12.368		
6,500.00	6,447.14	6,652.81	6,601.09	29.96	30.25	-121.99	576.34	479.79	696.19	639.38	56.81	12.255		
6,550.00	6,497.05	6,737.37	6,674.67	30.17	30.48	-139.30	576.30	521.36	685.50	628.71	56.79	12.071		
6,600.00	6,547.02	6,818.97	6,740.30	30.37	30.70	79.07	575.52	569.76	670.95	614.16	56.78	11.816		
6,650.00	6,596.75	6,870.59	6,778.93	30.55	30.83	79.77	574.98	603.98	655.19	597.82	57.36	11.422		
6,700.00	6,645.93	6,907.52	6,805.15	30.74	30.93	82.78	574.71	629.97	639.86	581.60	58.25	10.984		
6,750.00	6,694.25	6,934.71	6,823.72	30.93	31.00	85.73	574.66	649.84	626.21	566.96	59.25	10.569		
6,800.00	6,741.43	6,955.12	6,837.24	31.12	31.07	88.22	574.72	665.13	615.11	554.88	60.22	10.214		
6,850.00	6,787.16	6,969.60	6,846.60	31.32	31.12	90.05	574.81	676.18	607.23	546.15	61.09	9.941		
6,900.00	6,831.16	6,978.95	6,852.55	31.52	31.15	91.16	574.89	683.39	603.11	541.34	61.77	9.764		
6,926.01	6,853.28	6,982.38	6,854.71	31.63	31.16	91.47	574.92	686.06	602.55	540.50	62.04	9.712		
6,950.00	6,873.17	6,984.48	6,856.02	31.74	31.17	91.59	574.94	687.69	603.03	540.79	62.24	9.689 SF		
7,000.00	6,912.92	6,985.60	6,856.72	31.96	31.18	91.25	574.95	688.57	607.11	544.66	62.45	9.721		
7,050.00	6,950.18	6,983.13	6,855.17	32.21	31.17	90.21	574.93	686.64	615.27	552.84	62.43	9.856		
7,100.00	6,984.70	6,980.00	6,853.21	32.48	31.16	88.75	574.90	684.21	627.25	565.01	62.24	10.077		
7,150.00	7,016.29	6,970.55	6,847.21	32.77	31.12	86.38	574.82	676.91	642.70	580.82	61.87	10.387		
7,200.00	7,044.73	6,961.08	6,841.11	33.10	31.09	83.71	574.75	669.66	661.15	599.69	61.47	10.757		
7,250.00	7,069.86	6,949.78	6,833.74	33.46	31.05	80.63	574.70	661.10	682.14	621.10	61.04	11.175		
7,300.00	7,091.53	6,936.90	6,825.19	33.86	31.01	77.25	574.67	651.46	705.15	644.51	60.64	11.628		
7,350.00	7,109.59	6,922.63	6,815.55	34.30	30.97	73.66	574.67	640.94	729.72	669.41	60.31	12.099		
7,400.00	7,123.94	6,907.15	6,804.90	34.78	30.93	69.96	574.71	629.71	755.38	695.31	60.06	12.576		
7,450.00	7,134.49	6,885.00	6,789.30	35.29	30.87	65.91	574.85	613.98	781.76	722.00	59.76	13.081		
7,500.00	7,141.18	6,885.00	6,789.30	35.84	30.87	63.34	574.85	613.98	808.53	748.37	60.17	13.439		
7,550.00	7,143.95	6,854.35	6,767.02	36.42	30.79	59.18	575.14	592.94	835.01	775.07	59.93	13.932		
7,567.79	7,144.00	6,847.58	6,762.00	36.63	30.77	57.99	575.21	588.41	844.42	784.44	59.97	14.080		
7,600.00	7,143.62	6,835.48	6,752.90	37.03	30.74	57.40	575.33	580.42	861.69	801.63	60.07	14.346		
7,700.00	7,142.46	6,790.00	6,717.65	38.38	30.63	55.20	575.87	551.70	918.87	858.72	60.15	15.276		
7,800.00	7,141.29	6,769.26	6,701.00	39.88	30.57	54.19	576.09	539.34	980.60	919.75	60.85	16.115		
7,900.00	7,140.13	6,741.63	6,678.24	41.53	30.49	52.85	576.28	523.69	1,046.68	985.34	61.34	17.064		
8,000.00	7,138.97	6,695.00	6,638.41	43.30	30.37	50.61	576.31	499.46	1,117.00	1,055.59	61.41	18.189		
8,100.00	7,137.80	6,695.00	6,638.41	45.18	30.37	50.61	576.31	499.46	1,189.61	1,127.28	62.32	19.087		
8,200.00	7,136.64	6,695.00	6,638.41	47.16	30.37	50.61	576.31	499.46	1,265.96	1,202.87	63.08	20.068		
8,300.00	7,135.48	6,656.65	6,604.52	49.22	30.26	48.81	576.32	481.50	1,343.99	1,280.80	63.19	21.270		
8,400.00	7,134.32	6,639.82	6,589.39	51.36	30.21	48.03	576.42	474.14	1,424.55	1,360.99	63.57	22.410		
8,500.00	7,133.15	6,600.00	6,553.00	53.56	30.09	46.26	576.88	458.00	1,507.54	1,443.92	63.62	23.696		
8,600.00	7,131.99	6,600.00	6,553.00	55.82	30.09	46.26	576.88	458.00	1,591.12	1,527.00	64.12	24.814		
8,700.00	7,130.83	6,600.00	6,553.00	58.13	30.09	46.26	576.88	458.00	1,676.51	1,611.96	64.55	25.974		

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 33C-6-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 33C-6-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 #21-5-3NBHZ - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,129.66	6,600.00	6,553.00	60.49	30.09	46.26	576.88	458.00	1,763.43	1,698.52	64.91	27.169		
8,900.00	7,128.50	6,566.11	6,521.46	62.89	29.98	44.81	577.22	445.60	1,850.86	1,785.92	64.94	28.502		
9,000.00	7,127.34	6,552.77	6,508.93	65.32	29.94	44.25	577.26	441.03	1,939.50	1,874.37	65.13	29.780		
9,100.00	7,126.17	6,540.36	6,497.21	67.79	29.90	43.73	577.24	436.93	2,028.98	1,963.67	65.30	31.070		
9,200.00	7,125.01	6,505.00	6,463.56	70.28	29.78	42.28	576.94	426.10	2,119.59	2,054.30	65.29	32.463		
9,300.00	7,123.85	6,505.00	6,463.56	72.80	29.78	42.28	576.94	426.10	2,210.22	2,144.69	65.53	33.730		
9,400.00	7,122.68	6,505.00	6,463.56	75.34	29.78	42.28	576.94	426.10	2,301.63	2,235.90	65.73	35.015		
9,500.00	7,121.52	6,505.00	6,463.56	77.91	29.78	42.28	576.94	426.10	2,393.72	2,327.81	65.91	36.316		
9,600.00	7,120.36	6,505.00	6,463.56	80.49	29.78	42.28	576.94	426.10	2,486.43	2,420.35	66.08	37.629		
9,700.00	7,119.19	6,505.00	6,463.56	83.09	29.78	42.28	576.94	426.10	2,579.68	2,513.46	66.22	38.955		
9,800.00	7,118.03	6,505.00	6,463.56	85.70	29.78	42.28	576.94	426.10	2,673.42	2,607.07	66.35	40.290		
9,900.00	7,116.87	6,505.00	6,463.56	88.33	29.78	42.28	576.94	426.10	2,767.60	2,701.12	66.47	41.635		
10,000.00	7,115.70	6,505.00	6,463.56	90.98	29.78	42.28	576.94	426.10	2,862.17	2,795.59	66.58	42.988		
10,100.00	7,114.54	6,505.00	6,463.56	93.63	29.78	42.28	576.94	426.10	2,957.10	2,890.42	66.68	44.347		
10,200.00	7,113.38	6,505.00	6,463.56	96.29	29.78	42.28	576.94	426.10	3,052.35	2,985.58	66.77	45.713		
10,300.00	7,112.21	6,463.43	6,423.37	98.97	29.64	40.63	576.42	415.52	3,146.17	3,079.46	66.72	47.158		
10,400.00	7,111.05	6,459.85	6,419.87	101.65	29.62	40.50	576.39	414.74	3,241.68	3,174.89	66.79	48.534		
10,500.00	7,109.89	6,456.44	6,416.54	104.34	29.61	40.37	576.35	414.02	3,337.44	3,270.57	66.86	49.914		
10,600.00	7,108.72	6,453.20	6,413.37	107.04	29.60	40.24	576.32	413.35	3,433.41	3,366.48	66.93	51.296		
10,700.00	7,107.56	6,450.11	6,410.35	109.75	29.59	40.12	576.29	412.73	3,529.59	3,462.59	67.00	52.681		
10,800.00	7,106.40	6,410.00	6,370.79	112.47	29.45	38.64	575.99	406.15	3,627.31	3,560.36	66.96	54.174		
10,900.00	7,105.24	6,410.00	6,370.79	115.19	29.45	38.64	575.99	406.15	3,723.65	3,656.62	67.03	55.551		
11,000.00	7,104.07	6,410.00	6,370.79	117.91	29.45	38.64	575.99	406.15	3,820.18	3,753.08	67.10	56.930		
11,100.00	7,102.91	6,410.00	6,370.79	120.64	29.45	38.64	575.99	406.15	3,916.89	3,849.72	67.17	58.311		
11,200.00	7,101.75	6,410.00	6,370.79	123.38	29.45	38.64	575.99	406.15	4,013.75	3,946.52	67.24	59.694		
11,300.00	7,100.58	6,410.00	6,370.79	126.12	29.45	38.64	575.99	406.15	4,110.77	4,043.47	67.30	61.079		
11,400.00	7,099.42	6,410.00	6,370.79	128.87	29.45	38.64	575.99	406.15	4,207.93	4,140.56	67.37	62.464		
11,500.00	7,098.26	6,410.00	6,370.79	131.62	29.45	38.64	575.99	406.15	4,305.21	4,237.79	67.43	63.850		
11,600.00	7,097.09	6,410.00	6,370.79	134.37	29.45	38.64	575.99	406.15	4,402.62	4,335.13	67.49	65.237		
11,700.00	7,095.93	6,410.00	6,370.79	137.13	29.45	38.64	575.99	406.15	4,500.14	4,432.60	67.55	66.624		
11,800.00	7,094.77	6,410.00	6,370.79	139.89	29.45	38.64	575.99	406.15	4,597.77	4,530.17	67.60	68.012		
11,900.00	7,093.60	6,410.00	6,370.79	142.65	29.45	38.64	575.99	406.15	4,695.50	4,627.84	67.66	69.399		
12,000.00	7,092.44	6,410.00	6,370.79	145.42	29.45	38.64	575.99	406.15	4,793.32	4,725.60	67.72	70.785		
12,100.00	7,091.28	6,410.00	6,370.79	148.19	29.45	38.64	575.99	406.15	4,891.23	4,823.46	67.77	72.171		
12,200.00	7,090.11	6,410.00	6,370.79	150.96	29.45	38.64	575.99	406.15	4,989.22	4,921.39	67.83	73.557		
12,300.00	7,088.95	6,410.00	6,370.79	153.74	29.45	38.64	575.99	406.15	5,087.29	5,019.41	67.88	74.942		
12,400.00	7,087.79	6,410.00	6,370.79	156.52	29.45	38.64	575.99	406.15	5,185.44	5,117.50	67.94	76.325		
12,500.00	7,086.62	6,410.00	6,370.79	159.30	29.45	38.64	575.99	406.15	5,283.65	5,215.66	67.99	77.708		
12,600.00	7,085.46	6,410.00	6,370.79	162.08	29.45	38.64	575.99	406.15	5,381.93	5,313.88	68.05	79.089		
12,700.00	7,084.30	6,410.00	6,370.79	164.86	29.45	38.64	575.99	406.15	5,480.27	5,412.17	68.10	80.468		
12,800.00	7,083.13	6,410.00	6,370.79	167.65	29.45	38.64	575.99	406.15	5,578.67	5,510.51	68.16	81.847		
12,900.00	7,081.97	6,410.00	6,370.79	170.44	29.45	38.64	575.99	406.15	5,677.13	5,608.91	68.22	83.223		
13,000.00	7,080.81	6,410.00	6,370.79	173.23	29.45	38.64	575.99	406.15	5,775.64	5,707.37	68.27	84.598		
13,100.00	7,079.64	6,410.00	6,370.79	176.02	29.45	38.64	575.99	406.15	5,874.20	5,805.87	68.33	85.970		
13,200.00	7,078.48	6,410.00	6,370.79	178.81	29.45	38.64	575.99	406.15	5,972.81	5,904.42	68.38	87.341		
13,300.00	7,077.32	6,410.00	6,370.79	181.61	29.45	38.64	575.99	406.15	6,071.46	6,003.02	68.44	88.710		
13,400.00	7,076.16	6,410.00	6,370.79	184.40	29.45	38.64	575.99	406.15	6,170.16	6,101.66	68.50	90.076		
13,500.00	7,074.99	6,410.00	6,370.79	187.20	29.45	38.64	575.99	406.15	6,268.89	6,200.34	68.56	91.440		
13,600.00	7,073.83	6,410.00	6,370.79	190.00	29.45	38.64	575.99	406.15	6,367.67	6,299.06	68.62	92.802		
13,700.00	7,072.67	6,410.00	6,370.79	192.80	29.45	38.64	575.99	406.15	6,466.49	6,397.81	68.67	94.161		
13,800.00	7,071.50	6,410.00	6,370.79	195.60	29.45	38.64	575.99	406.15	6,565.34	6,496.60	68.73	95.518		
13,900.00	7,070.34	6,410.00	6,370.79	198.41	29.45	38.64	575.99	406.15	6,664.22	6,595.43	68.79	96.872		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 #21-5-3NBHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 165-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
14,000.00	7,069.18	6,410.00	6,370.79	201.21	29.45	38.64	575.99	406.15	6,763.14	6,694.29	68.85	98.224	
14,100.00	7,068.01	6,410.00	6,370.79	204.02	29.45	38.64	575.99	406.15	6,862.09	6,793.18	68.92	99.573	
14,200.00	7,066.85	6,410.00	6,370.79	206.82	29.45	38.64	575.99	406.15	6,961.07	6,892.09	68.98	100.918	
14,300.00	7,065.69	6,410.00	6,370.79	209.63	29.45	38.64	575.99	406.15	7,060.08	6,991.04	69.04	102.262	
14,400.00	7,064.52	6,410.00	6,370.79	212.44	29.45	38.64	575.99	406.15	7,159.11	7,090.01	69.10	103.602	
14,500.00	7,063.36	6,410.00	6,370.79	215.25	29.45	38.64	575.99	406.15	7,258.18	7,189.01	69.17	104.939	
14,600.00	7,062.20	6,410.00	6,370.79	218.06	29.45	38.64	575.99	406.15	7,357.26	7,288.03	69.23	106.273	
14,700.00	7,061.03	6,410.00	6,370.79	220.87	29.45	38.64	575.99	406.15	7,456.38	7,387.08	69.29	107.604	
14,800.00	7,059.87	6,410.00	6,370.79	223.68	29.45	38.64	575.99	406.15	7,555.51	7,486.15	69.36	108.932	
14,900.00	7,058.71	6,410.00	6,370.79	226.49	29.45	38.64	575.99	406.15	7,654.67	7,585.24	69.43	110.256	
15,000.00	7,057.54	6,410.00	6,370.79	229.30	29.45	38.64	575.99	406.15	7,753.85	7,684.36	69.49	111.578	
15,100.00	7,056.38	6,410.00	6,370.79	232.12	29.45	38.64	575.99	406.15	7,853.05	7,783.49	69.56	112.896	
15,200.00	7,055.22	6,410.00	6,370.79	234.93	29.45	38.64	575.99	406.15	7,952.27	7,882.64	69.63	114.210	
15,300.00	7,054.05	6,410.00	6,370.79	237.75	29.45	38.64	575.99	406.15	8,051.51	7,981.81	69.70	115.522	
15,400.00	7,052.89	6,410.00	6,370.79	240.56	29.45	38.64	575.99	406.15	8,150.77	8,081.00	69.77	116.830	
15,500.00	7,051.73	6,368.12	6,329.16	243.38	29.29	37.17	575.75	401.60	8,249.02	8,179.23	69.79	118.193	
15,600.00	7,050.56	6,367.11	6,328.15	246.20	29.29	37.14	575.75	401.51	8,348.27	8,278.40	69.86	119.495	
15,648.52	7,050.00	6,366.62	6,327.67	247.57	29.28	37.12	575.74	401.47	8,396.43	8,326.53	69.90	120.126	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	509.43	510.72					
100.00	100.00	100.82	100.81	3.28	3.30	94.07	-36.14	508.44	509.79	503.20	6.59	77.404		
200.00	200.00	205.27	205.23	3.34	3.38	94.21	-37.30	506.27	507.79	501.07	6.72	75.541		
300.00	300.00	304.25	304.16	3.44	3.51	94.43	-39.04	503.70	505.33	498.37	6.96	72.604		
400.00	399.98	396.43	396.29	3.60	3.68	3.27	-41.73	502.04	502.04	494.76	7.28	68.992		
500.00	499.84	490.23	490.01	3.80	3.88	3.73	-45.42	501.78	496.87	489.19	7.68	64.709		
600.00	599.45	587.53	587.19	4.04	4.13	4.38	-50.38	502.16	489.06	480.89	8.16	59.901		
682.50	681.36	678.89	678.30	4.26	4.39	5.29	-56.95	501.85	479.69	471.03	8.65	55.424		
700.00	698.71	699.23	698.57	4.32	4.46	5.52	-58.58	501.42	477.17	468.40	8.77	54.405		
800.00	797.82	811.52	810.17	4.62	4.83	7.21	-70.01	496.63	461.09	451.65	9.45	48.816		
900.00	896.93	903.07	900.75	4.95	5.18	9.09	-82.28	491.68	444.79	434.68	10.10	44.020		
1,000.00	996.04	998.61	994.97	5.30	5.58	11.46	-97.31	486.76	429.81	418.98	10.83	39.670		
1,100.00	1,095.15	1,097.84	1,092.61	5.67	6.02	14.28	-114.09	481.13	415.48	403.85	11.63	35.726		
1,200.00	1,194.26	1,188.20	1,181.47	6.05	6.44	17.04	-129.80	476.49	402.84	390.41	12.42	32.424		
1,300.00	1,293.37	1,280.78	1,272.44	6.45	6.89	20.06	-146.61	472.82	392.70	379.44	13.26	29.623		
1,400.00	1,392.48	1,373.39	1,363.34	6.85	7.35	23.26	-164.05	469.99	384.95	370.85	14.11	27.291		
1,500.00	1,491.59	1,475.62	1,464.13	7.26	7.86	26.51	-181.02	468.21	378.73	363.74	14.99	25.264		
1,600.00	1,590.70	1,580.23	1,567.75	7.68	8.36	29.56	-195.19	465.95	371.78	355.90	15.87	23.420		
1,700.00	1,689.81	1,677.42	1,664.10	8.10	8.83	32.45	-207.70	463.36	365.03	348.30	16.73	21.822		
1,800.00	1,788.92	1,784.88	1,770.40	8.53	9.36	36.10	-222.45	458.13	358.09	340.45	17.63	20.308		
1,900.00	1,888.03	1,873.03	1,857.55	8.96	9.81	39.24	-235.07	454.05	352.94	334.47	18.47	19.107		
2,000.00	1,987.14	1,973.35	1,956.55	9.39	10.33	43.08	-250.31	448.66	349.33	329.97	19.36	18.044		
2,077.40	2,063.85	2,042.52	2,024.62	9.73	10.70	45.93	-261.88	444.49	348.17	328.16	20.01	17.403 CC		
2,100.00	2,086.25	2,063.32	2,045.06	9.83	10.81	46.79	-265.53	443.38	348.26	328.06	20.20	17.245 ES		
2,200.00	2,185.36	2,159.04	2,139.31	10.27	11.33	50.55	-281.74	439.30	349.96	328.91	21.04	16.630		
2,300.00	2,284.47	2,250.67	2,229.44	10.71	11.83	54.09	-297.88	435.98	354.18	332.33	21.85	16.211		
2,400.00	2,383.58	2,338.27	2,315.16	11.15	12.34	57.60	-315.60	432.56	362.06	339.46	22.60	16.020		
2,500.00	2,482.69	2,437.25	2,411.94	11.60	12.91	61.28	-336.14	429.76	372.53	349.08	23.45	15.889		
2,600.00	2,581.80	2,532.52	2,505.13	12.05	13.47	64.62	-355.78	427.14	384.33	360.09	24.25	15.851		
2,700.00	2,680.91	2,634.49	2,604.61	12.50	14.08	68.47	-377.14	420.69	396.68	371.56	25.12	15.793		
2,800.00	2,780.02	2,724.79	2,692.46	12.95	14.64	71.88	-396.86	413.76	411.11	385.24	25.86	15.895		
2,900.00	2,879.13	2,834.69	2,799.71	13.40	15.30	75.70	-419.24	405.15	425.67	398.85	26.82	15.873		
3,000.00	2,978.24	2,936.65	2,898.81	13.85	15.89	78.77	-437.49	398.62	439.45	411.76	27.68	15.874		
3,100.00	3,077.35	3,038.17	2,999.75	14.30	16.46	81.46	-454.54	393.38	453.37	424.82	28.54	15.883		
3,200.00	3,176.46	3,146.05	3,106.32	14.76	17.04	83.92	-470.74	389.40	466.49	437.04	29.46	15.836		
3,300.00	3,275.57	3,245.84	3,205.23	15.21	17.56	85.94	-483.74	386.84	478.34	448.04	30.31	15.784		
3,400.00	3,374.68	3,334.33	3,292.74	15.67	18.03	87.83	-496.23	382.93	491.86	460.79	31.06	15.834		
3,500.00	3,473.79	3,424.64	3,381.74	16.12	18.53	89.76	-510.78	378.06	507.97	476.13	31.84	15.956		
3,600.00	3,572.90	3,523.41	3,479.05	16.58	19.08	91.63	-527.11	373.71	525.06	492.36	32.70	16.057		
3,700.00	3,672.01	3,623.94	3,578.21	17.04	19.63	93.39	-543.09	369.56	542.00	508.41	33.59	16.137		
3,800.00	3,771.12	3,715.35	3,668.36	17.50	20.14	95.02	-557.45	364.64	559.40	525.02	34.39	16.268		
3,900.00	3,870.23	3,803.41	3,754.93	17.95	20.65	96.48	-572.80	359.88	578.92	543.77	35.15	16.471		
4,000.00	3,969.34	3,894.42	3,844.23	18.41	21.18	97.89	-589.66	354.84	599.95	564.01	35.95	16.690		
4,100.00	4,068.45	3,988.80	3,936.69	18.87	21.75	99.23	-607.91	349.72	622.11	585.32	36.79	16.908		
4,200.00	4,167.56	4,085.50	4,031.45	19.33	22.33	100.50	-626.49	344.69	644.44	606.77	37.67	17.106		
4,300.00	4,266.67	4,183.82	4,127.74	19.79	22.91	101.72	-645.62	339.38	667.33	628.75	38.58	17.298		
4,400.00	4,365.78	4,276.06	4,218.22	20.25	23.47	102.76	-663.00	334.86	689.78	650.37	39.41	17.503		
4,500.00	4,464.89	4,361.59	4,301.71	20.71	23.99	103.72	-680.77	329.53	714.57	674.42	40.16	17.794		
4,600.00	4,564.00	4,463.31	4,401.16	21.17	24.62	104.77	-701.30	323.56	738.96	697.84	41.12	17.970		
4,700.00	4,663.11	4,560.86	4,496.40	21.63	25.21	105.77	-721.28	316.95	764.16	722.13	42.03	18.180		
4,800.00	4,762.22	4,664.69	4,598.18	22.09	25.84	106.78	-740.74	310.42	787.73	744.70	43.02	18.309		
4,900.00	4,861.33	4,771.88	4,703.21	22.56	26.48	107.81	-760.78	302.82	811.84	767.79	44.05	18.430		

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 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,862.39	4,792.20	23.02	27.01	108.68	-775.98	296.48	834.36	789.49	44.88	18.592		
5,100.00	5,059.55	4,954.97	4,882.87	23.48	27.56	109.41	-793.80	290.76	858.91	813.17	45.73	18.780		
5,200.00	5,158.66	5,063.29	4,989.20	23.94	28.20	110.18	-813.67	285.05	882.44	835.66	46.78	18.864		
5,300.00	5,257.77	5,161.19	5,085.42	24.40	28.78	110.80	-831.20	280.62	905.42	857.72	47.70	18.982		
5,400.00	5,356.88	5,258.87	5,181.41	24.87	29.35	111.39	-848.74	276.23	928.52	879.90	48.62	19.097		
5,500.00	5,455.99	5,352.00	5,272.92	25.33	29.89	111.92	-865.56	272.17	951.76	902.27	49.49	19.231		
5,600.00	5,555.10	5,464.69	5,383.64	25.79	30.55	112.45	-886.21	268.58	974.85	924.28	50.58	19.274		
5,700.00	5,654.21	5,615.11	5,532.35	26.25	31.35	113.09	-908.62	266.58	994.04	942.07	51.97	19.127		
5,800.00	5,753.32	5,763.50	5,680.02	26.72	32.05	113.91	-922.75	264.32	1,008.76	955.57	53.19	18.964		
5,900.00	5,852.43	5,899.99	5,816.35	27.18	32.60	114.81	-928.75	262.07	1,018.96	964.73	54.24	18.787		
6,000.00	5,951.54	6,014.08	5,930.41	27.64	33.01	115.67	-929.90	259.74	1,026.49	971.33	55.16	18.609		
6,100.00	6,050.65	6,110.42	6,026.71	28.11	33.35	116.43	-930.07	257.15	1,033.79	977.76	56.03	18.450		
6,200.00	6,149.76	6,223.67	6,139.93	28.57	33.74	117.31	-930.12	254.41	1,041.09	984.15	56.94	18.285		
6,300.00	6,248.87	6,333.90	6,250.15	29.03	34.09	118.08	-929.38	253.71	1,047.05	989.23	57.82	18.110		
6,400.00	6,347.98	6,453.88	6,370.10	29.50	34.46	118.87	-927.36	254.38	1,051.70	993.01	58.68	17.922		
6,475.54	6,422.84	6,587.76	6,503.78	29.85	34.83	119.60	-922.89	259.57	1,053.37	994.15	59.23	17.785		
6,500.00	6,447.14	6,630.59	6,546.35	29.96	34.95	118.27	-920.60	263.65	1,052.35	992.99	59.36	17.728		
6,550.00	6,497.05	6,686.32	6,601.53	30.17	35.10	96.77	-918.30	271.04	1,048.34	988.60	59.73	17.550		
6,600.00	6,547.02	6,797.08	6,708.99	30.37	35.39	-52.06	-917.07	297.09	1,041.17	981.45	59.72	17.434		
6,650.00	6,596.75	6,855.79	6,763.43	30.55	35.53	-58.36	-918.52	318.96	1,029.97	969.98	60.00	17.167		
6,700.00	6,645.93	6,909.62	6,811.76	30.74	35.67	-62.30	-921.35	342.49	1,017.10	956.80	60.30	16.867		
6,750.00	6,694.25	7,158.84	7,011.05	30.93	36.11	-75.59	-926.97	488.98	1,000.99	942.56	58.42	17.133		
6,800.00	6,741.43	6,800.00	7,011.36	31.12	35.93	-77.98	-927.15	492.15	980.65	923.25	57.39	17.087		
6,850.00	6,787.16	7,208.05	7,041.03	31.32	36.16	-82.78	-927.68	527.99	962.06	902.01	60.05	16.020		
6,900.00	6,831.16	7,215.71	7,045.54	31.52	36.17	-85.03	-927.81	534.17	945.04	884.08	60.96	15.502		
6,950.00	6,873.17	7,218.72	7,047.31	31.74	36.17	-86.73	-927.86	536.62	930.10	868.27	61.82	15.045		
7,000.00	6,912.92	7,217.45	7,046.56	31.96	36.17	-87.90	-927.84	535.59	917.46	854.85	62.61	14.653		
7,050.00	6,950.18	7,212.24	7,043.50	32.21	36.17	-88.56	-927.75	531.38	907.31	843.98	63.32	14.328		
7,100.00	6,984.70	7,203.42	7,038.29	32.48	36.16	-88.75	-927.60	524.26	899.70	835.76	63.94	14.070		
7,150.00	7,016.29	7,191.29	7,031.08	32.77	36.15	-88.49	-927.41	514.51	894.66	830.18	64.47	13.876		
7,200.00	7,044.73	7,177.04	7,022.49	33.10	36.13	-87.88	-927.19	503.14	892.11	827.18	64.93	13.739		
7,227.60	7,059.02	7,169.09	7,017.56	33.30	36.12	-87.44	-927.09	496.90	891.75	826.58	65.17	13.683		
7,250.00	7,069.86	7,162.51	7,013.40	33.46	36.12	-87.04	-927.01	491.80	891.99	826.64	65.35	13.650		
7,300.00	7,091.53	7,147.49	7,003.64	33.86	36.10	-85.98	-926.86	480.40	894.17	828.45	65.72	13.605		
7,350.00	7,109.59	7,132.09	6,993.24	34.30	36.08	-84.72	-926.75	469.04	898.54	832.46	66.08	13.598 SF		
7,400.00	7,123.94	7,116.39	6,982.24	34.78	36.06	-83.27	-926.68	457.83	904.93	838.49	66.44	13.621		
7,450.00	7,134.49	7,089.00	6,962.15	35.29	36.03	-81.05	-926.68	439.21	913.28	846.58	66.70	13.693		
7,500.00	7,141.18	7,081.98	6,956.84	35.84	36.02	-79.81	-926.68	434.64	923.02	855.83	67.19	13.738		
7,550.00	7,143.95	7,058.19	6,938.36	36.42	35.97	-77.60	-926.57	419.65	934.14	866.60	67.53	13.832		
7,567.79	7,144.00	7,049.82	6,931.70	36.63	35.96	-76.81	-926.48	414.58	938.34	870.68	67.66	13.868		
7,600.00	7,143.62	7,035.26	6,919.93	37.03	35.93	-76.09	-926.26	406.02	946.42	878.52	67.91	13.937		
7,700.00	7,142.46	6,997.43	6,888.29	38.38	35.87	-74.16	-925.32	385.31	976.27	907.50	68.77	14.196		
7,800.00	7,141.29	6,949.00	6,846.37	39.88	35.76	-71.65	-923.42	361.14	1,012.94	943.50	69.45	14.586		
7,900.00	7,140.13	6,905.55	6,808.14	41.53	35.66	-69.39	-921.11	340.60	1,055.68	985.56	70.12	15.056		
8,000.00	7,138.97	6,899.00	6,802.34	43.30	35.64	-69.05	-920.71	337.61	1,104.66	1,033.41	71.25	15.505		
8,100.00	7,137.80	6,863.87	6,770.79	45.18	35.55	-67.23	-918.86	322.28	1,158.90	1,087.05	71.85	16.129		
8,200.00	7,136.64	6,847.16	6,755.54	47.16	35.51	-66.38	-918.20	315.49	1,218.59	1,145.99	72.61	16.784		
8,300.00	7,135.48	6,831.88	6,741.46	49.22	35.47	-65.59	-917.72	309.56	1,282.81	1,209.55	73.26	17.509		
8,400.00	7,134.32	6,803.00	6,714.55	51.36	35.40	-64.13	-917.14	299.10	1,351.19	1,277.52	73.66	18.343		
8,500.00	7,133.15	6,803.00	6,714.55	53.56	35.40	-64.13	-917.14	299.10	1,422.53	1,348.23	74.30	19.145		
8,600.00	7,131.99	6,803.00	6,714.55	55.82	35.40	-64.13	-917.14	299.10	1,497.16	1,422.33	74.83	20.007		
8,700.00	7,130.83	6,803.00	6,714.55	58.13	35.40	-64.13	-917.14	299.10	1,574.60	1,499.34	75.26	20.921		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,800.00	7,129.66	6,803.00	6,714.55	60.49	35.40	-64.13	-917.14	299.10	1,654.47	1,578.84	75.62	21.878		
8,900.00	7,128.50	6,803.00	6,714.55	62.89	35.40	-64.13	-917.14	299.10	1,736.42	1,660.50	75.91	22.874		
9,000.00	7,127.34	6,763.99	6,677.47	65.32	35.30	-62.19	-916.94	287.01	1,818.33	1,742.41	75.92	23.952		
9,100.00	7,126.17	6,757.78	6,671.48	67.79	35.28	-61.88	-916.97	285.34	1,903.03	1,826.93	76.10	25.006		
9,200.00	7,125.01	6,752.04	6,665.94	70.28	35.27	-61.60	-917.00	283.86	1,989.07	1,912.81	76.26	26.082		
9,300.00	7,123.85	6,746.72	6,660.79	72.80	35.25	-61.34	-917.05	282.55	2,076.29	1,999.90	76.39	27.178		
9,400.00	7,122.68	6,708.00	6,622.92	75.34	35.15	-59.48	-917.69	274.55	2,165.92	2,089.58	76.34	28.372		
9,500.00	7,121.52	6,708.00	6,622.92	77.91	35.15	-59.48	-917.69	274.55	2,254.76	2,178.29	76.47	29.484		
9,600.00	7,120.36	6,708.00	6,622.92	80.49	35.15	-59.48	-917.69	274.55	2,344.51	2,267.92	76.59	30.613		
9,700.00	7,119.19	6,708.00	6,622.92	83.09	35.15	-59.48	-917.69	274.55	2,435.05	2,358.37	76.68	31.755		
9,800.00	7,118.03	6,708.00	6,622.92	85.70	35.15	-59.48	-917.69	274.55	2,526.31	2,449.55	76.76	32.910		
9,900.00	7,116.87	6,708.00	6,622.92	88.33	35.15	-59.48	-917.69	274.55	2,618.21	2,541.37	76.83	34.077		
10,000.00	7,115.70	6,708.00	6,622.92	90.98	35.15	-59.48	-917.69	274.55	2,710.68	2,633.78	76.89	35.252		
10,100.00	7,114.54	6,708.00	6,622.92	93.63	35.15	-59.48	-917.69	274.55	2,803.66	2,726.72	76.95	36.437		
10,200.00	7,113.38	6,708.00	6,622.92	96.29	35.15	-59.48	-917.69	274.55	2,897.12	2,820.13	76.99	37.629		
10,300.00	7,112.21	6,708.00	6,622.92	98.97	35.15	-59.48	-917.69	274.55	2,991.00	2,913.97	77.03	38.828		
10,400.00	7,111.05	6,708.00	6,622.92	101.65	35.15	-59.48	-917.69	274.55	3,085.26	3,008.19	77.07	40.033		
10,500.00	7,109.89	6,708.00	6,622.92	104.34	35.15	-59.48	-917.69	274.55	3,179.87	3,102.77	77.10	41.243		
10,600.00	7,108.72	6,708.00	6,622.92	107.04	35.15	-59.48	-917.69	274.55	3,274.81	3,197.68	77.13	42.458		
10,700.00	7,107.56	6,708.00	6,622.92	109.75	35.15	-59.48	-917.69	274.55	3,370.03	3,292.87	77.16	43.677		
10,800.00	7,106.40	6,708.00	6,622.92	112.47	35.15	-59.48	-917.69	274.55	3,465.53	3,388.34	77.18	44.900		
10,900.00	7,105.24	6,708.00	6,622.92	115.19	35.15	-59.48	-917.69	274.55	3,561.27	3,484.06	77.21	46.126		
11,000.00	7,104.07	6,708.00	6,622.92	117.91	35.15	-59.48	-917.69	274.55	3,657.24	3,580.01	77.23	47.354		
11,100.00	7,102.91	6,708.00	6,622.92	120.64	35.15	-59.48	-917.69	274.55	3,753.42	3,676.17	77.25	48.586		
11,200.00	7,101.75	6,670.79	6,586.18	123.38	35.06	-57.75	-918.83	268.74	3,849.05	3,771.81	77.24	49.835		
11,300.00	7,100.58	6,667.13	6,582.56	126.12	35.05	-57.59	-918.97	268.23	3,945.46	3,868.20	77.26	51.070		
11,400.00	7,099.42	6,663.60	6,579.07	128.87	35.04	-57.43	-919.11	267.74	4,042.03	3,964.75	77.28	52.305		
11,500.00	7,098.26	6,660.20	6,575.70	131.62	35.03	-57.28	-919.25	267.28	4,138.75	4,061.45	77.30	53.541		
11,600.00	7,097.09	6,656.90	6,572.44	134.37	35.02	-57.13	-919.38	266.85	4,235.61	4,158.28	77.32	54.778		
11,700.00	7,095.93	6,653.72	6,569.28	137.13	35.01	-56.99	-919.52	266.43	4,332.60	4,255.25	77.35	56.015		
11,800.00	7,094.77	6,650.64	6,566.23	139.89	35.00	-56.85	-919.65	266.04	4,429.72	4,352.34	77.37	57.253		
11,900.00	7,093.60	6,613.00	6,528.88	142.65	34.90	-55.23	-921.55	261.81	4,527.57	4,450.19	77.38	58.510		
12,000.00	7,092.44	6,613.00	6,528.88	145.42	34.90	-55.23	-921.55	261.81	4,624.81	4,547.40	77.41	59.745		
12,100.00	7,091.28	6,613.00	6,528.88	148.19	34.90	-55.23	-921.55	261.81	4,722.16	4,644.72	77.44	60.979		
12,200.00	7,090.11	6,613.00	6,528.88	150.96	34.90	-55.23	-921.55	261.81	4,819.63	4,742.16	77.47	62.214		
12,300.00	7,088.95	6,613.00	6,528.88	153.74	34.90	-55.23	-921.55	261.81	4,917.19	4,839.69	77.50	63.449		
12,400.00	7,087.79	6,613.00	6,528.88	156.52	34.90	-55.23	-921.55	261.81	5,014.85	4,937.32	77.53	64.683		
12,500.00	7,086.62	6,613.00	6,528.88	159.30	34.90	-55.23	-921.55	261.81	5,112.60	5,035.04	77.56	65.917		
12,600.00	7,085.46	6,613.00	6,528.88	162.08	34.90	-55.23	-921.55	261.81	5,210.44	5,132.85	77.59	67.151		
12,700.00	7,084.30	6,613.00	6,528.88	164.86	34.90	-55.23	-921.55	261.81	5,308.36	5,230.73	77.62	68.385		
12,800.00	7,083.13	6,613.00	6,528.88	167.65	34.90	-55.23	-921.55	261.81	5,406.35	5,328.69	77.66	69.617		
12,900.00	7,081.97	6,613.00	6,528.88	170.44	34.90	-55.23	-921.55	261.81	5,504.42	5,426.73	77.69	70.849		
13,000.00	7,080.81	6,613.00	6,528.88	173.23	34.90	-55.23	-921.55	261.81	5,602.55	5,524.82	77.73	72.080		
13,100.00	7,079.64	6,613.00	6,528.88	176.02	34.90	-55.23	-921.55	261.81	5,700.75	5,622.99	77.76	73.310		
13,200.00	7,078.48	6,613.00	6,528.88	178.81	34.90	-55.23	-921.55	261.81	5,799.01	5,721.21	77.80	74.539		
13,300.00	7,077.32	6,613.00	6,528.88	181.61	34.90	-55.23	-921.55	261.81	5,897.33	5,819.50	77.84	75.767		
13,400.00	7,076.16	6,613.00	6,528.88	184.40	34.90	-55.23	-921.55	261.81	5,995.70	5,917.83	77.87	76.993		
13,500.00	7,074.99	6,613.00	6,528.88	187.20	34.90	-55.23	-921.55	261.81	6,094.13	6,016.22	77.91	78.218		
13,600.00	7,073.83	6,613.00	6,528.88	190.00	34.90	-55.23	-921.55	261.81	6,192.61	6,114.66	77.95	79.442		
13,700.00	7,072.67	6,613.00	6,528.88	192.80	34.90	-55.23	-921.55	261.81	6,291.14	6,213.15	77.99	80.664		
13,800.00	7,071.50	6,613.00	6,528.88	195.60	34.90	-55.23	-921.55	261.81	6,389.71	6,311.68	78.03	81.885		
13,900.00	7,070.34	6,613.00	6,528.88	198.41	34.90	-55.23	-921.55	261.81	6,488.32	6,410.25	78.07	83.104		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	
14,000.00	7,069.18	6,613.00	6,528.88	201.21	34.90	-55.23	-921.55	261.81	6,586.98	6,508.86	78.12	84.321	
14,100.00	7,068.01	6,613.00	6,528.88	204.02	34.90	-55.23	-921.55	261.81	6,685.68	6,607.52	78.16	85.537	
14,200.00	7,066.85	6,613.00	6,528.88	206.82	34.90	-55.23	-921.55	261.81	6,784.41	6,706.21	78.21	86.750	
14,300.00	7,065.69	6,613.00	6,528.88	209.63	34.90	-55.23	-921.55	261.81	6,883.19	6,804.93	78.25	87.962	
14,400.00	7,064.52	6,613.00	6,528.88	212.44	34.90	-55.23	-921.55	261.81	6,981.99	6,903.69	78.30	89.172	
14,500.00	7,063.36	6,613.00	6,528.88	215.25	34.90	-55.23	-921.55	261.81	7,080.83	7,002.49	78.35	90.380	
14,600.00	7,062.20	6,613.00	6,528.88	218.06	34.90	-55.23	-921.55	261.81	7,179.70	7,101.31	78.39	91.586	
14,700.00	7,061.03	6,613.00	6,528.88	220.87	34.90	-55.23	-921.55	261.81	7,278.61	7,200.17	78.44	92.789	
14,800.00	7,059.87	6,613.00	6,528.88	223.68	34.90	-55.23	-921.55	261.81	7,377.54	7,299.05	78.49	93.991	
14,900.00	7,058.71	6,613.00	6,528.88	226.49	34.90	-55.23	-921.55	261.81	7,476.50	7,397.96	78.54	95.190	
15,000.00	7,057.54	6,613.00	6,528.88	229.30	34.90	-55.23	-921.55	261.81	7,575.49	7,496.90	78.59	96.387	
15,100.00	7,056.38	6,613.00	6,528.88	232.12	34.90	-55.23	-921.55	261.81	7,674.51	7,595.86	78.65	97.582	
15,200.00	7,055.22	6,613.00	6,528.88	234.93	34.90	-55.23	-921.55	261.81	7,773.55	7,694.84	78.70	98.774	
15,300.00	7,054.05	6,613.00	6,528.88	237.75	34.90	-55.23	-921.55	261.81	7,872.61	7,793.85	78.75	99.964	
15,400.00	7,052.89	6,613.00	6,528.88	240.56	34.90	-55.23	-921.55	261.81	7,971.70	7,892.89	78.81	101.152	
15,500.00	7,051.73	6,613.00	6,528.88	243.38	34.90	-55.23	-921.55	261.81	8,070.81	7,991.94	78.87	102.337	
15,600.00	7,050.56	6,613.00	6,528.88	246.20	34.90	-55.23	-921.55	261.81	8,169.94	8,091.02	78.92	103.519	
15,648.52	7,050.00	6,613.00	6,528.88	247.57	34.90	-55.23	-921.55	261.81	8,218.05	8,139.10	78.95	104.092	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	87.33	24.05	515.27	515.88					
100.00	100.00	97.18	97.18	3.28	3.30	87.34	23.88	514.53	515.10	508.52	6.58	78.250		
200.00	200.00	197.15	197.14	3.34	3.37	87.39	23.43	513.82	514.37	507.66	6.71	76.676		
300.00	300.00	300.19	300.18	3.44	3.50	87.40	23.26	512.75	513.32	506.37	6.95	73.871		
400.00	399.98	405.41	405.38	3.60	3.69	-4.13	23.24	510.76	509.70	502.40	7.29	69.878		
500.00	499.84	501.33	501.27	3.80	3.90	-4.21	23.44	508.67	502.33	494.62	7.70	65.224		
600.00	599.45	596.01	595.95	4.04	4.14	-4.26	23.11	507.56	492.45	484.27	8.18	60.216		
682.50	681.36	678.50	678.43	4.26	4.37	-4.26	22.22	507.01	482.08	473.45	8.63	55.858		
700.00	698.71	696.10	696.02	4.32	4.42	-4.25	21.91	506.87	479.61	470.87	8.73	54.914		
800.00	797.82	800.59	800.47	4.62	4.74	-4.08	19.48	505.45	464.88	455.53	9.35	49.741		
900.00	896.93	892.51	892.38	4.95	5.04	-3.97	17.69	504.40	450.38	440.42	9.96	45.223		
1,000.00	996.04	986.76	986.62	5.30	5.34	-3.98	16.90	504.44	437.11	426.50	10.61	41.212		
1,100.00	1,095.15	1,083.02	1,082.87	5.67	5.66	-4.08	16.81	505.31	424.72	413.44	11.28	37.659		
1,200.00	1,194.26	1,179.53	1,179.37	6.05	5.99	-4.21	16.85	506.83	413.01	401.03	11.97	34.492		
1,300.00	1,293.37	1,280.82	1,280.65	6.45	6.34	-4.39	17.19	508.51	401.38	388.68	12.71	31.590		
1,400.00	1,392.48	1,381.86	1,381.68	6.85	6.70	-4.68	18.16	509.67	389.30	375.85	13.46	28.934		
1,500.00	1,491.59	1,483.23	1,483.04	7.26	7.08	-5.05	19.53	510.30	376.73	362.51	14.22	26.492		
1,600.00	1,590.70	1,582.41	1,582.20	7.68	7.45	-5.50	21.24	510.58	363.87	348.87	15.00	24.266		
1,700.00	1,689.81	1,682.45	1,682.22	8.10	7.83	-6.01	23.06	510.74	350.91	335.13	15.78	22.232		
1,800.00	1,788.92	1,782.50	1,782.26	8.53	8.22	-6.58	24.97	510.58	337.68	321.09	16.58	20.363		
1,900.00	1,888.03	1,880.98	1,880.72	8.96	8.61	-7.18	26.86	510.45	324.50	307.11	17.39	18.662		
2,000.00	1,987.14	1,983.40	1,983.11	9.39	9.02	-7.95	29.28	510.01	311.13	292.92	18.21	17.088		
2,100.00	2,086.25	2,093.49	2,092.93	9.83	9.46	-9.67	35.60	506.22	295.31	276.28	19.03	15.518		
2,200.00	2,185.36	2,203.07	2,201.91	10.27	9.91	-12.03	43.11	497.65	275.65	255.82	19.83	13.901		
2,300.00	2,284.47	2,302.56	2,300.73	10.71	10.33	-14.21	47.93	487.17	253.40	232.74	20.65	12.269		
2,400.00	2,383.58	2,397.21	2,394.86	11.15	10.73	-16.41	51.67	477.95	232.10	210.58	21.51	10.789		
2,500.00	2,482.69	2,492.23	2,489.45	11.60	11.14	-18.96	55.44	469.81	212.32	189.93	22.38	9.485		
2,600.00	2,581.80	2,590.03	2,586.87	12.05	11.56	-22.02	59.30	462.17	193.73	170.48	23.25	8.332		
2,700.00	2,680.91	2,688.22	2,684.65	12.50	11.99	-25.75	63.08	454.05	175.36	151.23	24.13	7.267		
2,800.00	2,780.02	2,786.78	2,782.74	12.95	12.42	-30.53	67.13	445.34	157.51	132.48	25.03	6.293		
2,900.00	2,879.13	2,884.36	2,879.65	13.40	12.86	-37.19	72.55	435.34	140.63	114.66	25.97	5.414		
3,000.00	2,978.24	2,979.38	2,974.06	13.85	13.29	-45.12	77.91	426.02	126.51	99.54	26.97	4.691		
3,100.00	3,077.35	3,076.49	3,070.53	14.30	13.73	-55.01	84.63	417.18	116.97	89.01	27.96	4.184		
3,200.00	3,176.46	3,174.62	3,168.12	14.76	14.17	-65.88	90.44	408.63	110.87	81.96	28.92	3.834		
3,272.73	3,248.54	3,244.40	3,237.53	15.09	14.49	-74.01	94.47	402.75	109.20	79.63	29.57	3.693 CC, ES		
3,300.00	3,275.57	3,270.43	3,263.43	15.21	14.61	-77.00	96.16	400.73	109.44	79.64	29.80	3.672		
3,400.00	3,374.68	3,367.91	3,360.43	15.67	15.05	-87.66	102.88	393.78	113.44	82.82	30.62	3.704		
3,500.00	3,473.79	3,466.06	3,458.13	16.12	15.49	-97.21	109.38	387.16	120.91	89.50	31.41	3.849		
3,600.00	3,572.90	3,564.42	3,556.09	16.58	15.94	-105.43	115.55	380.78	130.97	98.79	32.18	4.070		
3,700.00	3,672.01	3,662.28	3,653.59	17.04	16.38	-112.28	121.51	374.68	143.11	110.17	32.94	4.344		
3,800.00	3,771.12	3,768.81	3,759.79	17.50	16.86	-118.56	126.64	368.53	155.78	121.92	33.86	4.601		
3,900.00	3,870.23	3,865.09	3,855.94	17.95	17.28	-123.65	128.36	363.74	166.75	132.13	34.62	4.816		
4,000.00	3,969.34	3,963.53	3,954.22	18.41	17.71	-128.20	130.39	358.64	179.28	143.86	35.42	5.061		
4,100.00	4,068.45	4,069.73	4,060.38	18.87	18.16	-131.62	132.42	356.84	190.42	154.10	36.33	5.242		
4,200.00	4,167.56	4,173.15	4,163.79	19.33	18.58	-134.59	131.66	357.53	198.56	161.40	37.17	5.343		
4,300.00	4,266.67	4,271.81	4,262.44	19.79	18.97	-137.39	130.19	357.92	206.83	168.86	37.97	5.446		
4,400.00	4,365.78	4,371.79	4,362.40	20.25	19.36	-140.09	128.30	358.29	215.34	176.54	38.80	5.550		
4,500.00	4,464.89	4,470.96	4,461.54	20.71	19.76	-141.94	128.16	360.43	223.98	184.35	39.63	5.652		
4,600.00	4,564.00	4,567.99	4,558.55	21.17	20.15	-143.45	128.81	362.54	233.34	192.89	40.45	5.769		
4,700.00	4,663.11	4,664.68	4,655.21	21.63	20.55	-144.72	130.61	363.95	244.11	202.84	41.27	5.915		
4,800.00	4,762.22	4,762.51	4,753.01	22.09	20.96	-145.86	132.98	364.89	255.72	213.61	42.11	6.072		
4,900.00	4,861.33	4,862.22	4,852.69	22.56	21.37	-146.95	135.48	365.56	267.73	224.75	42.97	6.230		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,961.73	4,952.18	23.02	21.79	-148.18	136.76	365.92	279.39	235.56	43.83	6.374		
5,100.00	5,059.55	5,058.61	5,049.05	23.48	22.20	-149.69	136.45	364.89	291.56	246.90	44.66	6.528		
5,200.00	5,158.66	5,155.87	5,146.30	23.94	22.61	-151.07	136.60	363.21	304.71	259.21	45.50	6.697		
5,300.00	5,257.77	5,253.66	5,244.07	24.40	23.03	-152.31	137.11	361.33	318.37	272.02	46.34	6.870		
5,400.00	5,356.88	5,352.00	5,342.39	24.87	23.45	-153.43	137.85	359.26	332.43	285.23	47.20	7.043		
5,500.00	5,455.99	5,456.99	5,447.36	25.33	23.90	-154.57	138.12	357.53	346.00	297.88	48.13	7.189		
5,600.00	5,555.10	5,556.69	5,547.05	25.79	24.31	-155.74	136.77	356.62	358.32	309.33	48.99	7.314		
5,700.00	5,654.21	5,654.34	5,644.69	26.25	24.72	-156.72	136.16	355.82	371.00	321.16	49.84	7.444		
5,800.00	5,753.32	5,750.25	5,740.60	26.72	25.13	-157.51	136.36	354.79	384.34	333.67	50.67	7.585		
5,900.00	5,852.43	5,858.26	5,848.60	27.18	25.58	-158.30	136.65	354.36	397.17	345.56	51.62	7.695		
6,000.00	5,951.54	5,953.98	5,944.31	27.64	25.97	-158.88	137.06	354.84	409.28	356.84	52.44	7.804		
6,100.00	6,050.65	6,049.49	6,039.82	28.11	26.38	-159.33	138.47	354.85	422.28	369.01	53.27	7.927		
6,200.00	6,149.76	6,153.29	6,143.60	28.57	26.82	-159.84	139.50	355.08	434.92	380.74	54.18	8.027		
6,300.00	6,248.87	6,257.31	6,247.61	29.03	27.25	-160.28	140.90	355.23	447.84	392.75	55.09	8.130		
6,400.00	6,347.98	6,495.81	6,480.06	29.50	28.16	-159.35	141.82	401.49	440.27	385.87	54.40	8.093		
6,475.54	6,422.84	6,629.16	6,601.57	29.85	28.64	-157.00	143.56	455.96	421.22	368.53	52.69	7.994		
6,500.00	6,447.14	6,657.30	6,626.21	29.96	28.75	-157.30	143.75	469.54	412.81	360.16	52.65	7.840		
6,550.00	6,497.05	6,728.34	6,687.29	30.17	29.05	-175.11	142.26	505.75	391.66	340.03	51.63	7.586		
6,600.00	6,547.02	6,818.58	6,759.39	30.37	29.47	44.67	138.50	559.76	363.19	314.62	48.57	7.477		
6,650.00	6,596.75	6,862.36	6,792.08	30.55	29.73	47.47	136.55	588.81	330.15	281.65	48.51	6.807		
6,700.00	6,645.93	6,902.22	6,820.68	30.74	29.97	55.57	134.81	616.52	294.85	246.23	48.62	6.064		
6,750.00	6,694.25	6,935.67	6,843.56	30.93	30.21	66.27	133.62	640.88	258.72	209.33	49.39	5.238		
6,800.00	6,741.43	6,959.05	6,858.81	31.12	30.37	76.69	133.04	658.61	223.90	172.33	51.57	4.342		
6,850.00	6,787.16	6,974.43	6,868.48	31.32	30.48	84.96	132.77	670.55	193.32	138.21	55.12	3.508		
6,900.00	6,831.16	6,983.44	6,874.02	31.52	30.55	90.23	132.66	677.66	170.90	111.61	59.29	2.882		
6,950.00	6,873.17	6,987.41	6,876.42	31.74	30.58	92.45	132.62	680.82	161.05	98.94	62.11	2.593		
6,957.65	6,879.41	6,987.64	6,876.56	31.77	30.58	92.53	132.61	681.00	160.87	98.59	62.28	2.583 SF		
7,000.00	6,912.92	6,987.33	6,876.38	31.96	30.58	91.86	132.62	680.75	166.39	104.65	61.73	2.695		
7,050.00	6,950.18	6,984.00	6,874.35	32.21	30.55	88.72	132.65	678.10	185.58	126.76	58.82	3.155		
7,100.00	6,984.70	6,978.00	6,870.68	32.48	30.51	83.35	132.72	673.36	214.69	159.28	55.41	3.875		
7,150.00	7,016.29	6,969.82	6,865.61	32.77	30.45	76.21	132.84	666.95	249.90	197.25	52.65	4.746		
7,200.00	7,044.73	6,959.83	6,859.30	33.10	30.38	67.97	133.02	659.20	288.54	237.76	50.77	5.683		
7,250.00	7,069.86	6,948.33	6,851.89	33.46	30.30	59.47	133.28	650.41	328.92	279.28	49.65	6.625		
7,300.00	7,091.53	6,935.56	6,843.49	33.86	30.20	51.48	133.62	640.80	370.02	320.94	49.09	7.538		
7,350.00	7,109.59	6,921.71	6,834.17	34.30	30.11	44.45	134.07	630.57	411.15	362.21	48.94	8.401		
7,400.00	7,123.94	6,899.00	6,818.41	34.78	29.94	37.72	134.95	614.23	451.97	403.48	48.50	9.320		
7,450.00	7,134.49	6,889.79	6,811.88	35.29	29.89	33.54	135.35	607.75	491.77	442.44	49.33	9.969		
7,500.00	7,141.18	6,869.90	6,797.58	35.84	29.78	29.42	136.22	593.96	530.51	480.89	49.61	10.693		
7,550.00	7,143.95	6,849.01	6,782.26	36.42	29.66	26.12	137.15	579.78	567.82	517.79	50.03	11.349		
7,567.79	7,144.00	6,841.36	6,776.58	36.63	29.61	25.12	137.49	574.67	580.72	530.52	50.20	11.568		
7,600.00	7,143.62	6,827.62	6,766.28	37.03	29.53	24.63	138.10	565.60	604.06	553.54	50.51	11.959		
7,700.00	7,142.46	6,804.00	6,748.29	38.38	29.40	23.83	139.18	550.34	678.84	626.65	52.20	13.006		
7,800.00	7,141.29	6,761.12	6,714.38	39.88	29.20	22.45	141.02	524.16	756.28	703.54	52.74	14.339		
7,900.00	7,140.13	6,735.05	6,692.92	41.53	29.08	21.65	142.02	509.41	836.77	783.02	53.75	15.568		
8,000.00	7,138.97	6,709.00	6,670.88	43.30	28.96	20.87	142.93	495.56	919.61	865.08	54.53	16.863		
8,100.00	7,137.80	6,675.24	6,641.79	45.18	28.82	19.89	143.67	478.45	1,004.04	949.08	54.96	18.267		
8,200.00	7,136.64	6,638.53	6,609.82	47.16	28.68	18.84	143.60	460.38	1,089.36	1,034.12	55.24	19.719		
8,300.00	7,135.48	6,614.00	6,588.29	49.22	28.58	18.14	143.06	448.65	1,175.56	1,119.82	55.74	21.092		
8,400.00	7,134.32	6,614.00	6,588.29	51.36	28.58	18.14	143.06	448.65	1,263.46	1,206.86	56.60	22.322		
8,500.00	7,133.15	6,576.62	6,554.92	53.56	28.45	17.14	142.16	431.85	1,351.50	1,294.81	56.69	23.840		
8,600.00	7,131.99	6,562.57	6,542.15	55.82	28.40	16.80	141.95	425.99	1,441.14	1,384.02	57.13	25.227		
8,700.00	7,130.83	6,549.64	6,530.30	58.13	28.35	16.50	141.82	420.83	1,531.70	1,474.19	57.51	26.633		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,800.00	7,129.66	6,519.00	6,501.84	60.49	28.24	15.83	141.74	409.48	1,623.42	1,565.79	57.62	28.172		
8,900.00	7,128.50	6,519.00	6,501.84	62.89	28.24	15.83	141.74	409.48	1,715.18	1,657.11	58.07	29.535		
9,000.00	7,127.34	6,519.00	6,501.84	65.32	28.24	15.83	141.74	409.48	1,807.82	1,749.36	58.45	30.928		
9,100.00	7,126.17	6,496.53	6,480.74	67.79	28.16	15.37	141.82	401.73	1,900.93	1,842.35	58.58	32.452		
9,200.00	7,125.01	6,479.55	6,464.75	70.28	28.10	15.04	141.88	396.05	1,994.42	1,935.68	58.74	33.955		
9,300.00	7,123.85	6,463.39	6,449.47	72.80	28.04	14.75	141.94	390.78	2,088.23	2,029.35	58.89	35.462		
9,400.00	7,122.68	6,447.97	6,434.86	75.34	27.99	14.47	142.01	385.87	2,182.36	2,123.33	59.03	36.971		
9,500.00	7,121.52	6,424.00	6,412.05	77.91	27.90	14.06	142.11	378.48	2,276.82	2,217.71	59.10	38.523		
9,600.00	7,120.36	6,424.00	6,412.05	80.49	27.90	14.06	142.11	378.48	2,371.46	2,312.14	59.32	39.976		
9,700.00	7,119.19	6,424.00	6,412.05	83.09	27.90	14.06	142.11	378.48	2,466.53	2,407.01	59.52	41.440		
9,800.00	7,118.03	6,424.00	6,412.05	85.70	27.90	14.06	142.11	378.48	2,561.98	2,502.28	59.70	42.916		
9,900.00	7,116.87	6,424.00	6,412.05	88.33	27.90	14.06	142.11	378.48	2,657.76	2,597.90	59.86	44.400		
10,000.00	7,115.70	6,424.00	6,412.05	90.98	27.90	14.06	142.11	378.48	2,753.84	2,693.83	60.01	45.893		
10,100.00	7,114.54	6,424.00	6,412.05	93.63	27.90	14.06	142.11	378.48	2,850.19	2,790.05	60.14	47.393		
10,200.00	7,113.38	6,424.00	6,412.05	96.29	27.90	14.06	142.11	378.48	2,946.78	2,886.52	60.26	48.898		
10,300.00	7,112.21	6,424.00	6,412.05	98.97	27.90	14.06	142.11	378.48	3,043.60	2,983.22	60.38	50.408		
10,400.00	7,111.05	6,424.00	6,412.05	101.65	27.90	14.06	142.11	378.48	3,140.61	3,080.12	60.49	51.922		
10,500.00	7,109.89	6,424.00	6,412.05	104.34	27.90	14.06	142.11	378.48	3,237.80	3,177.22	60.59	53.440		
10,600.00	7,108.72	6,424.00	6,412.05	107.04	27.90	14.06	142.11	378.48	3,335.17	3,274.48	60.68	54.961		
10,700.00	7,107.56	6,382.18	6,371.67	109.75	27.75	13.38	142.18	367.69	3,430.51	3,369.86	60.65	56.563		
10,800.00	7,106.40	6,379.61	6,369.15	112.47	27.74	13.34	142.17	367.15	3,527.90	3,467.16	60.74	58.086		
10,900.00	7,105.24	6,377.16	6,366.75	115.19	27.73	13.30	142.16	366.65	3,625.41	3,564.59	60.82	59.611		
11,000.00	7,104.07	6,374.83	6,364.47	117.91	27.72	13.26	142.16	366.18	3,723.04	3,662.14	60.90	61.136		
11,100.00	7,102.91	6,372.60	6,362.28	120.64	27.71	13.23	142.15	365.75	3,820.78	3,759.80	60.97	62.661		
11,200.00	7,101.75	6,329.00	6,319.16	123.38	27.55	12.55	141.85	359.43	3,920.72	3,859.77	60.95	64.326		
11,300.00	7,100.58	6,329.00	6,319.16	126.12	27.55	12.55	141.85	359.43	4,018.46	3,957.42	61.03	65.840		
11,400.00	7,099.42	6,329.00	6,319.16	128.87	27.55	12.55	141.85	359.43	4,116.30	4,055.19	61.11	67.354		
11,500.00	7,098.26	6,329.00	6,319.16	131.62	27.55	12.55	141.85	359.43	4,214.24	4,153.05	61.19	68.869		
11,600.00	7,097.09	6,329.00	6,319.16	134.37	27.55	12.55	141.85	359.43	4,312.28	4,251.01	61.27	70.383		
11,700.00	7,095.93	6,329.00	6,319.16	137.13	27.55	12.55	141.85	359.43	4,410.41	4,349.06	61.34	71.897		
11,800.00	7,094.77	6,329.00	6,319.16	139.89	27.55	12.55	141.85	359.43	4,508.62	4,447.20	61.42	73.411		
11,900.00	7,093.60	6,329.00	6,319.16	142.65	27.55	12.55	141.85	359.43	4,606.90	4,545.41	61.49	74.923		
12,000.00	7,092.44	6,329.00	6,319.16	145.42	27.55	12.55	141.85	359.43	4,705.26	4,643.70	61.56	76.434		
12,100.00	7,091.28	6,329.00	6,319.16	148.19	27.55	12.55	141.85	359.43	4,803.69	4,742.06	61.63	77.944		
12,200.00	7,090.11	6,329.00	6,319.16	150.96	27.55	12.55	141.85	359.43	4,902.17	4,840.48	61.70	79.453		
12,300.00	7,088.95	6,329.00	6,319.16	153.74	27.55	12.55	141.85	359.43	5,000.72	4,938.96	61.77	80.959		
12,400.00	7,087.79	6,329.00	6,319.16	156.52	27.55	12.55	141.85	359.43	5,099.33	5,037.49	61.84	82.464		
12,500.00	7,086.62	6,329.00	6,319.16	159.30	27.55	12.55	141.85	359.43	5,197.99	5,136.08	61.91	83.967		
12,600.00	7,085.46	6,329.00	6,319.16	162.08	27.55	12.55	141.85	359.43	5,296.70	5,234.73	61.97	85.467		
12,700.00	7,084.30	6,329.00	6,319.16	164.86	27.55	12.55	141.85	359.43	5,395.46	5,333.41	62.04	86.966		
12,800.00	7,083.13	6,329.00	6,319.16	167.65	27.55	12.55	141.85	359.43	5,494.26	5,432.15	62.11	88.461		
12,900.00	7,081.97	6,329.00	6,319.16	170.44	27.55	12.55	141.85	359.43	5,593.10	5,530.92	62.18	89.954		
13,000.00	7,080.81	6,329.00	6,319.16	173.23	27.55	12.55	141.85	359.43	5,691.99	5,629.74	62.25	91.445		
13,100.00	7,079.64	6,329.00	6,319.16	176.02	27.55	12.55	141.85	359.43	5,790.91	5,728.60	62.31	92.932		
13,200.00	7,078.48	6,329.00	6,319.16	178.81	27.55	12.55	141.85	359.43	5,889.87	5,827.49	62.38	94.417		
13,300.00	7,077.32	6,329.00	6,319.16	181.61	27.55	12.55	141.85	359.43	5,988.86	5,926.41	62.45	95.898		
13,400.00	7,076.16	6,329.00	6,319.16	184.40	27.55	12.55	141.85	359.43	6,087.89	6,025.37	62.52	97.377		
13,500.00	7,074.99	6,329.00	6,319.16	187.20	27.55	12.55	141.85	359.43	6,186.95	6,124.36	62.59	98.852		
13,600.00	7,073.83	6,329.00	6,319.16	190.00	27.55	12.55	141.85	359.43	6,286.04	6,223.38	62.66	100.324		
13,700.00	7,072.67	6,329.00	6,319.16	192.80	27.55	12.55	141.85	359.43	6,385.15	6,322.43	62.73	101.792		
13,800.00	7,071.50	6,329.00	6,319.16	195.60	27.55	12.55	141.85	359.43	6,484.30	6,421.50	62.80	103.257		
13,900.00	7,070.34	6,329.00	6,319.16	198.41	27.55	12.55	141.85	359.43	6,583.47	6,520.60	62.87	104.718		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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 #A-5-3NBHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 39-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
14,000.00	7,069.18	6,329.00	6,319.16	201.21	27.55	12.55	141.85	359.43	6,682.66	6,619.72	62.94	106.175	
14,100.00	7,068.01	6,329.00	6,319.16	204.02	27.55	12.55	141.85	359.43	6,781.88	6,718.87	63.01	107.629	
14,200.00	7,066.85	6,329.00	6,319.16	206.82	27.55	12.55	141.85	359.43	6,881.12	6,818.04	63.08	109.079	
14,300.00	7,065.69	6,329.00	6,319.16	209.63	27.55	12.55	141.85	359.43	6,980.38	6,917.23	63.16	110.525	
14,400.00	7,064.52	6,329.00	6,319.16	212.44	27.55	12.55	141.85	359.43	7,079.67	7,016.44	63.23	111.967	
14,500.00	7,063.36	6,329.00	6,319.16	215.25	27.55	12.55	141.85	359.43	7,178.97	7,115.66	63.30	113.405	
14,600.00	7,062.20	6,329.00	6,319.16	218.06	27.55	12.55	141.85	359.43	7,278.29	7,214.91	63.38	114.839	
14,700.00	7,061.03	6,329.00	6,319.16	220.87	27.55	12.55	141.85	359.43	7,377.63	7,314.18	63.45	116.269	
14,800.00	7,059.87	6,329.00	6,319.16	223.68	27.55	12.55	141.85	359.43	7,476.99	7,413.46	63.53	117.694	
14,900.00	7,058.71	6,329.00	6,319.16	226.49	27.55	12.55	141.85	359.43	7,576.36	7,512.76	63.61	119.115	
15,000.00	7,057.54	6,329.00	6,319.16	229.30	27.55	12.55	141.85	359.43	7,675.75	7,612.07	63.68	120.532	
15,100.00	7,056.38	6,329.00	6,319.16	232.12	27.55	12.55	141.85	359.43	7,775.16	7,711.40	63.76	121.945	
15,200.00	7,055.22	6,329.00	6,319.16	234.93	27.55	12.55	141.85	359.43	7,874.58	7,810.75	63.84	123.353	
15,300.00	7,054.05	6,329.00	6,319.16	237.75	27.55	12.55	141.85	359.43	7,974.02	7,910.10	63.92	124.757	
15,400.00	7,052.89	6,329.00	6,319.16	240.56	27.55	12.55	141.85	359.43	8,073.47	8,009.47	64.00	126.156	
15,500.00	7,051.73	6,329.00	6,319.16	243.38	27.55	12.55	141.85	359.43	8,172.93	8,108.86	64.08	127.551	
15,600.00	7,050.56	6,329.00	6,319.16	246.20	27.55	12.55	141.85	359.43	8,272.41	8,208.25	64.16	128.942	
15,648.52	7,050.00	6,329.00	6,319.16	247.57	27.55	12.55	141.85	359.43	8,320.68	8,256.49	64.20	129.614	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-75.31	241.92	-922.52	4,884.02					
100.00	100.00	0.00	0.00	3.28	0.00	-75.31	241.92	-922.52	4,785.99	4,779.08	6.91	692.836		
200.00	200.00	0.00	0.00	3.34	0.00	-75.31	241.92	-922.52	4,688.04	4,681.25	6.78	691.108		
300.00	300.00	0.00	0.00	3.44	0.00	-75.31	241.92	-922.52	4,590.17	4,583.51	6.66	689.042		
400.00	399.98	0.00	0.00	3.60	0.00	-168.63	241.92	-922.52	4,492.78	4,486.24	6.54	687.109		
500.00	499.84	0.00	0.00	3.80	0.00	-169.98	241.92	-922.52	4,396.37	4,389.96	6.41	685.378		
600.00	599.45	0.00	0.00	4.04	0.00	-171.02	241.92	-922.52	4,301.12	4,294.83	6.29	683.308		
682.50	681.36	0.00	0.00	4.26	0.00	-171.70	241.92	-922.52	4,223.56	4,217.36	6.20	681.327		
700.00	698.71	0.00	0.00	4.32	0.00	-171.70	241.92	-922.52	4,207.22	4,201.04	6.18	681.192		
800.00	797.82	0.00	0.00	4.62	0.00	-171.70	241.92	-922.52	4,114.02	4,107.94	6.08	676.137		
900.00	896.93	0.00	0.00	4.95	0.00	-171.70	241.92	-922.52	4,021.15	4,015.15	6.00	669.920		
1,000.00	996.04	0.00	0.00	5.30	0.00	-171.70	241.92	-922.52	3,928.63	3,922.70	5.93	662.381		
1,100.00	1,095.15	0.00	0.00	5.67	0.00	-171.70	241.92	-922.52	3,836.49	3,830.62	5.87	653.359		
1,200.00	1,194.26	0.00	0.00	6.05	0.00	-171.70	241.92	-922.52	3,744.75	3,738.92	5.83	642.695		
1,300.00	1,293.37	0.00	0.00	6.45	0.00	-171.70	241.92	-922.52	3,653.44	3,647.64	5.80	630.243		
1,400.00	1,392.48	0.00	0.00	6.85	0.00	-171.70	241.92	-922.52	3,562.60	3,556.81	5.78	615.885		
1,500.00	1,491.59	0.00	0.00	7.26	0.00	-171.70	241.92	-922.52	3,472.26	3,466.47	5.79	599.543		
1,600.00	1,590.70	0.00	0.00	7.68	0.00	-171.70	241.92	-922.52	3,382.47	3,376.65	5.82	581.189		
1,700.00	1,689.81	0.00	0.00	8.10	0.00	-171.70	241.92	-922.52	3,293.26	3,287.39	5.87	560.863		
1,800.00	1,788.92	0.00	0.00	8.53	0.00	-171.70	241.92	-922.52	3,204.69	3,198.74	5.95	538.678		
1,900.00	1,888.03	0.00	0.00	8.96	0.00	-171.70	241.92	-922.52	3,116.81	3,110.76	6.05	514.822		
2,000.00	1,987.14	0.00	0.00	9.39	0.00	-171.70	241.92	-922.52	3,029.69	3,023.50	6.19	489.554		
2,100.00	2,086.25	0.00	0.00	9.83	0.00	-171.70	241.92	-922.52	2,943.38	2,937.03	6.35	463.193		
2,200.00	2,185.36	0.00	0.00	10.27	0.00	-171.70	241.92	-922.52	2,857.97	2,851.42	6.55	436.098		
2,300.00	2,284.47	0.00	0.00	10.71	0.00	-171.70	241.92	-922.52	2,773.53	2,766.75	6.79	408.646		
2,400.00	2,383.58	0.00	0.00	11.15	0.00	-171.70	241.92	-922.52	2,690.16	2,683.10	7.06	381.215		
2,500.00	2,482.69	0.00	0.00	11.60	0.00	-171.70	241.92	-922.52	2,607.96	2,600.60	7.36	354.158		
2,600.00	2,581.80	0.00	0.00	12.05	0.00	-171.70	241.92	-922.52	2,527.04	2,519.33	7.71	327.791		
2,700.00	2,680.91	0.00	0.00	12.50	0.00	-171.70	241.92	-922.52	2,447.54	2,439.44	8.09	302.380		
2,800.00	2,780.02	0.00	0.00	12.95	0.00	-171.70	241.92	-922.52	2,369.58	2,361.06	8.52	278.137		
2,900.00	2,879.13	0.00	0.00	13.40	0.00	-171.70	241.92	-922.52	2,293.34	2,284.35	8.99	255.224		
3,000.00	2,978.24	0.00	0.00	13.85	0.00	-171.70	241.92	-922.52	2,218.98	2,209.49	9.49	233.747		
3,100.00	3,077.35	0.00	0.00	14.30	0.00	-171.70	241.92	-922.52	2,146.71	2,136.67	10.04	213.773		
3,200.00	3,176.46	0.00	0.00	14.76	0.00	-171.70	241.92	-922.52	2,076.74	2,066.11	10.63	195.328		
3,300.00	3,275.57	0.00	0.00	15.21	0.00	-171.70	241.92	-922.52	2,009.32	1,998.05	11.26	178.408		
3,400.00	3,374.68	0.00	0.00	15.67	0.00	-171.70	241.92	-922.52	1,944.70	1,932.76	11.93	162.987		
3,500.00	3,473.79	0.00	0.00	16.12	0.00	-171.70	241.92	-922.52	1,883.17	1,870.53	12.64	149.022		
3,600.00	3,572.90	0.00	0.00	16.58	0.00	-171.70	241.92	-922.52	1,825.05	1,811.68	13.37	136.456		
3,700.00	3,672.01	0.00	0.00	17.04	0.00	-171.70	241.92	-922.52	1,770.68	1,756.54	14.14	125.226		
3,800.00	3,771.12	0.00	0.00	17.50	0.00	-171.70	241.92	-922.52	1,720.40	1,705.48	14.93	115.264		
3,900.00	3,870.23	0.00	0.00	17.95	0.00	-171.70	241.92	-922.52	1,674.60	1,658.87	15.72	106.500		
4,000.00	3,969.34	0.00	0.00	18.41	0.00	-171.70	241.92	-922.52	1,633.63	1,617.11	16.52	98.864		
4,100.00	4,068.45	0.00	0.00	18.87	0.00	-171.70	241.92	-922.52	1,597.89	1,580.57	17.31	92.288		
4,200.00	4,167.56	0.00	0.00	19.33	0.00	-171.70	241.92	-922.52	1,567.72	1,549.64	18.08	86.707		
4,300.00	4,266.67	0.00	0.00	19.79	0.00	-171.70	241.92	-922.52	1,543.45	1,524.64	18.81	82.058		
4,400.00	4,365.78	0.00	0.00	20.25	0.00	-171.70	241.92	-922.52	1,525.36	1,505.87	19.49	78.282		
4,500.00	4,464.89	0.00	0.00	20.71	0.00	-171.70	241.92	-922.52	1,513.67	1,493.57	20.10	75.324		
4,600.00	4,564.00	0.00	0.00	21.17	0.00	-171.70	241.92	-922.52	1,508.54	1,487.91	20.63	73.130		
4,627.56	4,591.32	0.00	0.00	21.30	0.00	-171.70	241.92	-922.52	1,508.29	1,487.53	20.76	72.653		
4,700.00	4,663.11	0.00	0.00	21.63	0.00	-171.70	241.92	-922.52	1,510.02	1,488.95	21.07	71.652		
4,800.00	4,762.22	0.00	0.00	22.09	0.00	-171.70	241.92	-922.52	1,518.11	1,496.68	21.43	70.845		
4,900.00	4,861.33	64.53	64.53	22.56	0.20	-171.76	241.65	-922.72	1,531.19	1,509.18	22.02	69.547		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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)					
5,000.00	4,960.44	154.80	154.79	23.02	0.59	-171.85	241.11	-923.49	1,545.10	1,522.26	22.84	67.646				
5,100.00	5,059.55	247.12	247.10	23.48	1.00	-171.95	240.30	-924.78	1,559.51	1,535.83	23.68	65.862				
5,200.00	5,158.66	344.24	344.21	23.94	1.43	-172.06	239.44	-926.43	1,574.21	1,549.67	24.55	64.133				
5,300.00	5,257.77	448.08	448.02	24.40	1.89	-172.20	237.68	-928.14	1,588.74	1,563.28	25.46	62.408				
5,400.00	5,356.88	550.06	549.93	24.87	2.34	-172.39	234.54	-929.94	1,603.18	1,576.82	26.36	60.821				
5,500.00	5,455.99	658.05	657.80	25.33	2.82	-172.64	229.73	-931.43	1,617.04	1,589.74	27.30	59.229				
5,600.00	5,555.10	755.99	755.54	25.79	3.26	-172.91	223.74	-932.86	1,630.76	1,602.58	28.19	57.857				
5,700.00	5,654.21	850.26	849.52	26.25	3.69	-173.23	216.49	-934.60	1,644.68	1,615.63	29.05	56.608				
5,800.00	5,753.32	936.23	935.15	26.72	4.09	-173.54	209.16	-936.66	1,659.10	1,629.22	29.87	55.539				
5,900.00	5,852.43	1,016.09	1,014.63	27.18	4.47	-173.84	201.93	-939.48	1,674.60	1,643.95	30.65	54.635				
6,000.00	5,951.54	1,099.61	1,097.70	27.64	4.87	-174.17	194.14	-943.32	1,691.16	1,659.71	31.45	53.765				
6,100.00	6,050.65	1,192.61	1,190.17	28.11	5.32	-174.52	185.46	-948.04	1,708.28	1,675.95	32.33	52.842				
6,200.00	6,149.76	1,277.24	1,274.35	28.57	5.72	-174.82	178.15	-952.76	1,726.02	1,692.88	33.14	52.088				
6,300.00	6,248.87	1,381.69	1,378.30	29.03	6.23	-175.16	169.90	-958.86	1,744.17	1,710.07	34.09	51.161				
6,400.00	6,347.98	1,479.44	1,475.52	29.50	6.70	-175.50	161.31	-964.27	1,761.98	1,726.98	35.00	50.340				
6,475.54	6,422.84	1,581.38	1,576.70	29.85	7.21	-175.92	150.07	-969.47	1,775.01	1,739.11	35.91	49.431				
6,500.00	6,447.14	1,623.57	1,618.50	29.96	7.42	-177.52	144.61	-971.12	1,778.45	1,742.18	36.27	49.030				
6,550.00	6,497.05	1,704.46	1,698.41	30.17	7.84	160.98	132.26	-973.24	1,781.86	1,744.90	36.97	48.203				
6,600.00	6,547.02	1,775.51	1,768.56	30.37	8.21	13.72	120.99	-974.12	1,780.73	1,743.16	37.57	47.398				
6,650.00	6,596.75	1,847.21	1,839.41	30.55	8.57	9.45	110.03	-974.09	1,775.12	1,736.97	38.15	46.530				
6,700.00	6,645.93	1,891.52	1,883.25	30.74	8.80	8.23	103.53	-973.72	1,765.33	1,726.80	38.54	45.811				
6,750.00	6,694.25	1,925.75	1,917.09	30.93	8.97	7.70	98.44	-973.70	1,752.11	1,713.27	38.84	45.111				
6,800.00	6,741.43	1,960.00	1,950.95	31.12	9.15	7.43	93.25	-973.94	1,735.54	1,696.41	39.13	44.352				
6,850.00	6,787.16	1,996.50	1,987.01	31.32	9.34	7.30	87.64	-974.44	1,715.64	1,676.21	39.43	43.513				
6,900.00	6,831.16	2,032.60	2,022.66	31.52	9.53	7.29	82.02	-975.11	1,692.45	1,652.74	39.71	42.620				
6,950.00	6,873.17	2,075.03	2,064.56	31.74	9.75	7.35	75.35	-976.06	1,666.05	1,626.02	40.03	41.621				
7,000.00	6,912.92	2,128.34	2,117.23	31.96	10.04	7.49	67.20	-976.94	1,636.20	1,595.78	40.42	40.483				
7,050.00	6,950.18	2,163.35	2,151.85	32.21	10.22	7.81	62.02	-977.32	1,603.13	1,562.46	40.66	39.426				
7,100.00	6,984.70	2,186.46	2,174.71	32.48	10.34	8.30	58.67	-977.72	1,567.46	1,526.65	40.81	38.407				
7,150.00	7,016.29	2,208.04	2,196.06	32.77	10.45	8.97	55.58	-978.25	1,529.42	1,488.47	40.94	37.355				
7,200.00	7,044.73	2,227.94	2,215.76	33.10	10.56	9.87	52.77	-978.87	1,489.17	1,448.11	41.06	36.272				
7,250.00	7,069.86	2,246.92	2,234.54	33.46	10.66	11.09	50.12	-979.57	1,446.91	1,405.75	41.16	35.154				
7,300.00	7,091.53	2,267.63	2,255.02	33.86	10.77	12.83	47.19	-980.41	1,402.79	1,361.52	41.28	33.985				
7,350.00	7,109.59	2,285.40	2,272.59	34.30	10.86	15.37	44.63	-981.17	1,357.05	1,315.67	41.38	32.798				
7,400.00	7,123.94	2,300.10	2,287.12	34.78	10.94	19.29	42.47	-981.82	1,309.93	1,268.47	41.46	31.598				
7,450.00	7,134.49	2,311.62	2,298.49	35.29	11.00	25.89	40.76	-982.34	1,261.73	1,220.21	41.52	30.389				
7,500.00	7,141.18	2,319.83	2,306.60	35.84	11.05	38.26	39.52	-982.73	1,212.72	1,171.16	41.57	29.176				
7,550.00	7,143.95	2,324.65	2,311.36	36.42	11.07	63.56	38.79	-982.95	1,163.22	1,121.62	41.60	27.962				
7,567.79	7,144.00	2,325.53	2,312.23	36.63	11.08	76.96	38.66	-983.00	1,145.55	1,103.94	41.61	27.530				
7,600.00	7,143.62	2,326.73	2,313.41	37.03	11.08	77.47	38.47	-983.05	1,113.54	1,071.91	41.63	26.750				
7,700.00	7,142.46	2,330.50	2,317.14	38.38	11.10	79.08	37.90	-983.23	1,014.24	972.55	41.69	24.329				
7,800.00	7,141.29	2,334.35	2,320.93	39.88	11.12	80.76	37.31	-983.42	915.07	873.30	41.77	21.905				
7,900.00	7,140.13	2,338.33	2,324.87	41.53	11.14	82.54	36.70	-983.61	816.09	774.19	41.89	19.479				
8,000.00	7,138.97	2,343.04	2,329.51	43.30	11.17	84.67	35.97	-983.84	717.36	675.28	42.08	17.048				
8,100.00	7,137.80	2,347.59	2,334.00	45.18	11.19	86.78	35.27	-984.06	619.01	576.65	42.36	14.613				
8,200.00	7,136.64	2,351.99	2,338.35	47.16	11.22	88.85	34.60	-984.27	521.25	478.43	42.81	12.175				
8,300.00	7,135.48	2,356.25	2,342.55	49.22	11.24	90.88	33.94	-984.47	424.49	380.88	43.62	9.733				
8,400.00	7,134.32	2,360.38	2,346.63	51.36	11.26	92.86	33.31	-984.65	329.63	284.44	45.19	7.295				
8,500.00	7,133.15	2,364.39	2,350.58	53.56	11.28	94.80	32.70	-984.84	238.93	190.26	48.67	4.909				
8,600.00	7,131.99	2,368.27	2,354.42	55.82	11.31	96.69	32.11	-985.01	159.65	102.75	56.90	2.806				
8,700.00	7,130.83	2,372.03	2,358.13	58.13	11.33	98.52	31.54	-985.18	117.73	49.71	68.02	1.731				
8,708.23	7,130.73	2,372.34	2,358.44	58.33	11.33	98.67	31.49	-985.19	117.44	49.20	68.24	1.721	CC, ES, 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 33C-6-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 33C-6-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		
8,800.00	7,129.66	2,375.69	2,361.74	60.49	11.35	100.31	30.98	-985.33	149.01	87.87	61.13	2.437		
8,900.00	7,128.50	2,379.24	2,365.25	62.89	11.36	102.03	30.44	-985.49	224.77	172.50	52.27	4.300		
9,000.00	7,127.34	2,382.69	2,368.65	65.32	11.38	103.70	29.92	-985.63	314.34	266.31	48.04	6.544		
9,100.00	7,126.17	2,386.04	2,371.96	67.79	11.40	105.32	29.41	-985.77	408.75	362.78	45.98	8.890		
9,200.00	7,125.01	2,389.29	2,375.18	70.28	11.42	106.88	28.92	-985.91	505.30	460.43	44.87	11.262		
9,300.00	7,123.85	2,392.46	2,378.31	72.80	11.44	108.39	28.44	-986.04	602.95	558.74	44.21	13.638		
9,400.00	7,122.68	2,395.55	2,381.35	75.34	11.45	109.84	27.97	-986.17	701.25	657.45	43.80	16.011		
9,500.00	7,121.52	2,398.55	2,384.32	77.91	11.47	111.24	27.52	-986.29	799.95	756.43	43.53	18.379		
9,600.00	7,120.36	2,401.47	2,387.20	80.49	11.48	112.59	27.08	-986.40	898.94	855.59	43.34	20.741		
9,700.00	7,119.19	2,404.31	2,390.01	83.09	11.50	113.89	26.65	-986.51	998.11	954.90	43.21	23.097		
9,800.00	7,118.03	2,407.08	2,392.75	85.70	11.51	115.14	26.23	-986.62	1,097.43	1,054.30	43.13	25.447		
9,900.00	7,116.87	2,409.79	2,395.42	88.33	11.53	116.34	25.83	-986.72	1,196.85	1,153.79	43.07	27.791		
10,000.00	7,115.70	2,412.42	2,398.02	90.98	11.54	117.50	25.43	-986.82	1,296.36	1,253.33	43.03	30.130		
10,100.00	7,114.54	2,414.99	2,400.56	93.63	11.56	118.61	25.05	-986.92	1,395.93	1,352.93	43.00	32.462		
10,200.00	7,113.38	2,417.50	2,403.04	96.29	11.57	119.69	24.67	-987.01	1,495.55	1,452.56	42.99	34.789		
10,300.00	7,112.21	2,419.94	2,405.46	98.97	11.58	120.72	24.31	-987.11	1,595.22	1,552.23	42.99	37.110		
10,400.00	7,111.05	2,422.33	2,407.81	101.65	11.60	121.71	23.95	-987.19	1,694.92	1,651.93	42.99	39.424		
10,500.00	7,109.89	2,424.66	2,410.12	104.34	11.61	122.66	23.60	-987.28	1,794.65	1,751.64	43.00	41.733		
10,600.00	7,108.72	2,426.94	2,412.37	107.04	11.62	123.58	23.26	-987.36	1,894.40	1,851.38	43.02	44.036		
10,700.00	7,107.56	2,432.00	2,417.37	109.75	11.65	125.57	22.51	-987.54	1,994.18	1,951.14	43.04	46.332		
10,800.00	7,106.40	2,432.00	2,417.37	112.47	11.65	125.57	22.51	-987.54	2,093.97	2,050.91	43.07	48.622		
10,900.00	7,105.24	2,435.07	2,420.40	115.19	11.67	126.75	22.05	-987.65	2,193.78	2,150.69	43.10	50.905		
11,000.00	7,104.07	2,439.71	2,424.99	117.91	11.69	128.48	21.36	-987.81	2,293.60	2,250.47	43.13	53.180		
11,100.00	7,102.91	2,444.61	2,429.83	120.64	11.72	130.24	20.63	-987.99	2,393.43	2,350.27	43.17	55.447		
11,200.00	7,101.75	2,449.78	2,434.93	123.38	11.74	132.03	19.86	-988.18	2,493.27	2,450.06	43.21	57.705		
11,300.00	7,100.58	2,455.25	2,440.34	126.12	11.77	133.84	19.04	-988.39	2,593.11	2,549.86	43.25	59.955		
11,400.00	7,099.42	2,461.04	2,446.06	128.87	11.80	135.68	18.18	-988.62	2,692.96	2,649.66	43.30	62.195		
11,500.00	7,098.26	2,467.19	2,452.14	131.62	11.84	137.54	17.26	-988.87	2,792.81	2,749.46	43.35	64.426		
11,600.00	7,097.09	2,473.74	2,458.61	134.37	11.87	139.41	16.28	-989.14	2,892.67	2,849.26	43.40	66.646		
11,700.00	7,095.93	2,480.71	2,465.49	137.13	11.91	141.30	15.24	-989.43	2,992.52	2,949.06	43.46	68.856		
11,800.00	7,094.77	2,488.15	2,472.85	139.89	11.95	143.20	14.13	-989.76	3,092.38	3,048.86	43.52	71.054		
11,900.00	7,093.60	2,496.12	2,480.72	142.65	11.99	145.10	12.94	-990.12	3,192.24	3,148.65	43.59	73.240		
12,000.00	7,092.44	2,504.66	2,489.15	145.42	12.04	146.99	11.66	-990.51	3,292.09	3,248.44	43.65	75.414		
12,100.00	7,091.28	2,513.85	2,498.23	148.19	12.09	148.89	10.28	-990.95	3,391.95	3,348.22	43.73	77.574		
12,200.00	7,090.11	2,523.76	2,508.02	150.96	12.14	150.78	8.80	-991.44	3,491.80	3,448.00	43.80	79.719		
12,300.00	7,088.95	2,534.48	2,518.60	153.74	12.20	152.65	7.19	-991.98	3,591.65	3,547.76	43.88	81.848		
12,400.00	7,087.79	2,545.00	2,529.17	156.52	12.27	154.58	5.58	-992.57	3,691.50	3,647.61	43.96	83.977		
12,500.00	7,086.62	2,550.00	2,534.87	159.30	12.34	156.51	3.97	-993.16	3,791.34	3,747.45	44.04	86.106		
12,600.00	7,085.46	2,553.44	2,538.44	162.08	12.41	158.44	2.36	-993.75	3,891.18	3,847.29	44.12	88.235		
12,700.00	7,084.30	2,556.88	2,542.01	164.86	12.48	160.37	0.75	-994.34	3,991.02	3,947.13	44.20	90.364		
12,800.00	7,083.13	2,560.32	2,545.58	167.65	12.55	162.30	-0.86	-994.93	4,090.86	4,046.97	44.28	92.493		
12,900.00	7,081.97	2,563.76	2,549.15	170.44	12.62	164.23	-2.45	-995.52	4,190.70	4,146.88	44.36	94.622		
13,000.00	7,080.81	2,567.20	2,552.72	173.23	12.69	166.16	-4.04	-996.11	4,290.54	4,246.72	44.44	96.751		
13,100.00	7,079.64	2,570.64	2,556.29	176.02	12.76	168.09	-5.63	-996.70	4,390.38	4,346.59	44.52	98.880		
13,200.00	7,078.48	2,574.08	2,559.86	178.81	12.83	170.02	-7.22	-997.29	4,490.22	4,446.46	44.60	101.009		
13,300.00	7,077.32	2,577.52	2,563.43	181.61	12.90	171.95	-8.81	-997.88	4,590.06	4,546.33	44.68	103.138		
13,400.00	7,076.16	2,580.96	2,567.00	184.40	12.97	173.88	-10.40	-998.47	4,689.90	4,646.17	44.76	105.267		
13,500.00	7,074.99	2,584.40	2,570.57	187.20	13.04	175.81	-11.99	-999.06	4,789.74	4,745.04	44.84	107.396		
13,600.00	7,073.83	2,587.84	2,574.14	190.00	13.11	177.74	-13.58	-999.65	4,889.58	4,844.91	44.92	109.525		
13,700.00	7,072.67	2,591.28	2,577.71	192.80	13.18	179.67	-15.17	-1000.24	4,989.42	4,944.75	45.00	111.654		
13,800.00	7,071.50	2,594.72	2,581.28	195.60	13.25	181.60	-16.76	-1000.83	5,089.26	5,044.59	45.08	113.783		
13,900.00	7,070.34	2,598.16	2,584.85	198.41	13.32	183.53	-18.35	-1001.42	5,189.10	5,144.43	45.16	115.912		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
14,000.00	7,069.18	2,579.72	2,563.28	201.21	12.44	159.02	0.48	-994.14	5,289.58	5,244.45	45.13	117.210					
14,100.00	7,068.01	2,582.41	2,565.94	204.02	12.46	159.33	0.09	-994.27	5,389.48	5,344.27	45.21	119.205					
14,200.00	7,066.85	2,585.07	2,568.58	206.82	12.47	159.63	-0.31	-994.39	5,489.38	5,444.08	45.30	121.190					
14,300.00	7,065.69	2,587.70	2,571.18	209.63	12.49	159.93	-0.69	-994.51	5,589.28	5,543.90	45.38	123.166					
14,400.00	7,064.52	14,400.00	2,640.17	212.44	76.97	166.12	-11.04	-998.06	5,689.18	5,581.05	108.13	52.617					
14,500.00	7,063.36	14,500.00	2,645.12	215.25	77.52	166.47	-11.79	-998.35	5,789.03	5,680.30	108.73	53.242					
14,600.00	7,062.20	14,600.00	2,650.07	218.06	78.07	166.81	-12.54	-998.63	5,888.88	5,779.55	109.34	53.860					
14,700.00	7,061.03	14,700.00	2,655.03	220.87	78.61	167.14	-13.29	-998.92	5,988.74	5,878.79	109.94	54.471					
14,800.00	7,059.87	14,800.00	2,659.98	223.68	79.16	167.46	-14.05	-999.20	6,088.59	5,978.04	110.55	55.075					
14,900.00	7,058.71	2,744.95	2,726.38	226.49	13.34	171.02	-24.27	-1,003.37	6,188.41	6,141.97	46.44	133.266					
15,000.00	7,057.54	2,748.07	2,729.45	229.30	13.36	171.16	-24.75	-1,003.58	6,288.21	6,241.68	46.53	135.132					
15,100.00	7,056.38	2,751.14	2,732.48	232.12	13.38	171.29	-25.23	-1,003.78	6,388.02	6,341.39	46.63	136.988					
15,200.00	7,055.22	2,754.16	2,735.46	234.93	13.39	171.42	-25.69	-1,003.98	6,487.83	6,441.10	46.73	138.835					
15,300.00	7,054.05	2,757.14	2,738.40	237.75	13.41	171.55	-26.15	-1,004.17	6,587.64	6,540.81	46.83	140.672					
15,400.00	7,052.89	2,760.08	2,741.29	240.56	13.42	171.67	-26.60	-1,004.36	6,687.45	6,640.52	46.93	142.500					
15,500.00	7,051.73	2,762.97	2,744.15	243.38	13.44	171.79	-27.05	-1,004.55	6,787.27	6,740.24	47.03	144.318					
15,600.00	7,050.56	2,765.82	2,746.96	246.20	13.46	171.91	-27.49	-1,004.73	6,887.09	6,839.96	47.13	146.126					
15,648.52	7,050.00	2,767.19	2,748.31	247.57	13.46	171.96	-27.70	-1,004.82	6,935.53	6,888.35	47.18	147.000					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-73.72	272.15	-931.99	971.62					
100.00	100.00	58.97	58.97	3.28	3.29	-73.72	272.19	-932.07	971.01	964.44	6.57	147.738		
200.00	200.00	150.39	150.39	3.34	3.34	-73.72	272.48	-932.80	971.86	965.19	6.68	145.537		
300.00	300.00	260.05	260.04	3.44	3.46	-73.73	272.52	-933.81	972.76	965.86	6.91	140.878		
400.00	399.98	347.22	347.19	3.60	3.60	-165.34	271.18	-935.16	975.50	968.30	7.20	135.472		
500.00	499.84	434.05	433.92	3.80	3.77	-165.58	268.28	-938.04	982.84	975.26	7.58	129.691		
600.00	599.45	511.95	511.57	4.04	3.96	-165.92	264.07	-942.46	995.28	987.26	8.01	124.179		
682.50	681.36	572.86	572.09	4.26	4.13	-166.29	259.41	-947.56	1,009.79	1,001.37	8.42	119.963		
700.00	698.71	585.53	584.64	4.32	4.17	-166.39	258.27	-948.82	1,013.33	1,004.82	8.51	119.082		
800.00	797.82	666.52	664.66	4.62	4.43	-167.13	249.93	-958.16	1,034.81	1,025.75	9.06	114.271		
900.00	896.93	770.54	767.18	4.95	4.81	-168.12	237.91	-970.98	1,057.05	1,047.33	9.72	108.760		
1,000.00	996.04	871.54	866.61	5.30	5.22	-169.12	224.68	-982.80	1,078.64	1,068.21	10.43	103.379		
1,100.00	1,095.15	1,031.64	1,023.72	5.67	5.94	-170.87	198.23	-998.19	1,098.22	1,086.75	11.47	95.765		
1,200.00	1,194.26	1,176.41	1,164.78	6.05	6.65	-172.70	166.46	-1,004.64	1,111.93	1,099.40	12.53	88.713		
1,300.00	1,293.37	1,293.06	1,277.75	6.45	7.27	-174.29	137.58	-1,007.85	1,124.52	1,110.99	13.53	83.118		
1,400.00	1,392.48	1,401.16	1,381.98	6.85	7.87	-175.81	108.91	-1,008.22	1,135.05	1,120.53	14.52	78.163		
1,500.00	1,491.59	1,493.19	1,470.63	7.26	8.41	-177.09	84.21	-1,008.77	1,146.52	1,131.07	15.45	74.198		
1,600.00	1,590.70	1,577.39	1,551.89	7.68	8.91	-178.22	62.16	-1,009.66	1,159.13	1,142.78	16.35	70.897		
1,700.00	1,689.81	1,673.95	1,645.32	8.10	9.49	-179.44	37.87	-1,011.35	1,173.02	1,155.70	17.33	67.698		
1,800.00	1,788.92	1,773.05	1,741.52	8.53	10.08	-179.39	14.07	-1,012.67	1,187.06	1,168.73	18.32	64.783		
1,900.00	1,888.03	1,870.98	1,836.60	8.96	10.68	-178.27	-9.35	-1,013.79	1,201.40	1,182.08	19.32	62.185		
2,000.00	1,987.14	1,931.47	1,895.55	9.39	11.04	-177.64	-22.74	-1,015.40	1,217.57	1,197.51	20.06	60.708		
2,100.00	2,086.25	2,010.95	1,973.56	9.83	11.49	-176.97	-37.39	-1,019.53	1,236.38	1,215.50	20.88	59.206		
2,200.00	2,185.36	2,166.56	2,127.59	10.27	12.28	-176.05	-58.60	-1,024.65	1,253.36	1,231.24	22.12	56.651		
2,300.00	2,284.47	2,257.40	2,218.02	10.71	12.69	-175.71	-66.94	-1,026.32	1,268.85	1,245.90	22.95	55.289		
2,400.00	2,383.58	2,367.32	2,327.73	11.15	13.15	-175.46	-73.58	-1,028.06	1,283.99	1,260.15	23.84	53.862		
2,500.00	2,482.69	2,480.67	2,441.02	11.60	13.58	-175.37	-76.90	-1,028.96	1,298.21	1,273.49	24.71	52.533		
2,600.00	2,581.80	2,580.54	2,540.88	12.05	13.95	-175.37	-77.92	-1,029.22	1,311.78	1,286.27	25.51	51.425		
2,700.00	2,680.91	2,687.75	2,648.09	12.50	14.30	-175.46	-77.14	-1,029.12	1,324.92	1,298.62	26.30	50.374		
2,800.00	2,780.02	2,782.34	2,742.66	12.95	14.59	-175.57	-75.42	-1,029.07	1,338.05	1,311.02	27.03	49.505		
2,900.00	2,879.13	2,878.39	2,838.68	13.40	14.89	-175.73	-72.72	-1,029.38	1,351.50	1,323.74	27.76	48.677		
3,000.00	2,978.24	2,971.86	2,932.11	13.85	15.18	-175.88	-70.24	-1,029.84	1,365.14	1,336.65	28.50	47.905		
3,100.00	3,077.35	3,062.10	3,022.31	14.30	15.48	-176.01	-68.00	-1,030.86	1,379.44	1,350.21	29.22	47.202		
3,200.00	3,176.46	3,170.69	3,130.86	14.76	15.84	-176.17	-65.19	-1,032.30	1,393.95	1,363.92	30.03	46.414		
3,300.00	3,275.57	3,265.92	3,226.00	15.21	16.15	-176.37	-61.27	-1,032.97	1,407.78	1,377.00	30.78	45.732		
3,400.00	3,374.68	3,360.43	3,320.45	15.67	16.47	-176.54	-57.91	-1,034.13	1,422.16	1,390.62	31.54	45.094		
3,500.00	3,473.79	3,490.70	3,450.65	16.12	16.91	-176.75	-53.78	-1,034.08	1,435.23	1,402.78	32.45	44.224		
3,600.00	3,572.90	3,581.38	3,541.28	16.58	17.22	-176.88	-51.17	-1,033.61	1,447.92	1,414.72	33.20	43.607		
3,700.00	3,672.01	3,676.74	3,636.61	17.04	17.56	-177.00	-48.68	-1,033.43	1,460.96	1,426.98	33.98	42.995		
3,800.00	3,771.12	3,784.41	3,744.26	17.50	17.94	-177.13	-46.14	-1,033.33	1,474.12	1,439.30	34.82	42.341		
3,900.00	3,870.23	3,893.14	3,852.95	17.95	18.33	-177.26	-43.47	-1,032.13	1,486.25	1,450.59	35.66	41.681		
4,000.00	3,969.34	3,996.35	3,956.12	18.41	18.70	-177.38	-41.01	-1,030.68	1,498.11	1,461.63	36.48	41.067		
4,100.00	4,068.45	4,080.46	4,040.19	18.87	19.00	-177.49	-38.73	-1,029.79	1,510.32	1,473.10	37.22	40.579		
4,200.00	4,167.56	4,170.37	4,130.06	19.33	19.33	-177.61	-36.01	-1,029.61	1,523.36	1,485.38	37.98	40.104		
4,300.00	4,266.67	4,277.41	4,237.04	19.79	19.73	-177.77	-32.46	-1,029.53	1,536.55	1,497.72	38.83	39.567		
4,400.00	4,365.78	4,394.32	4,353.87	20.25	20.16	-177.94	-28.50	-1,028.00	1,548.47	1,508.74	39.73	38.975		
4,500.00	4,464.89	4,484.47	4,443.97	20.71	20.49	-178.05	-25.89	-1,026.79	1,560.42	1,519.92	40.51	38.523		
4,600.00	4,564.00	4,575.76	4,535.24	21.17	20.84	-178.15	-23.54	-1,026.17	1,573.03	1,531.74	41.29	38.096		
4,700.00	4,663.11	4,668.62	4,628.07	21.63	21.19	-178.24	-21.36	-1,025.82	1,585.96	1,543.87	42.09	37.685		
4,800.00	4,762.22	4,757.49	4,716.92	22.09	21.54	-178.32	-19.68	-1,026.00	1,599.45	1,556.59	42.86	37.317		
4,900.00	4,861.33	4,865.04	4,824.44	22.56	21.96	-178.41	-17.41	-1,026.56	1,613.30	1,569.56	43.74	36.886		
5,000.00	4,960.44	4,991.81	4,951.19	23.02	22.45	-178.50	-15.37	-1,025.48	1,625.76	1,581.05	44.71	36.362		

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 33C-6-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 33C-6-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	5,059.55	5,101.09	5,060.43	23.48	22.87	178.58	-13.64	-1,023.01	1,636.80	1,591.21	45.59	35.899		
5,200.00	5,158.66	5,188.10	5,147.42	23.94	23.22	178.61	-12.87	-1,021.34	1,648.20	1,601.83	46.37	35.541		
5,300.00	5,257.77	5,271.61	5,230.92	24.40	23.55	178.64	-12.48	-1,020.33	1,660.34	1,613.20	47.14	35.223		
5,400.00	5,356.88	5,365.83	5,325.15	24.87	23.93	178.66	-12.06	-1,020.41	1,673.70	1,625.74	47.96	34.900		
5,500.00	5,455.99	5,534.26	5,493.47	25.33	24.61	178.60	-14.45	-1,015.72	1,683.95	1,634.80	49.15	34.259		
5,600.00	5,555.10	5,617.46	5,576.57	25.79	24.95	178.54	-16.50	-1,012.33	1,693.23	1,643.29	49.94	33.905		
5,700.00	5,654.21	5,692.00	5,651.09	26.25	25.25	178.54	-16.80	-1,010.59	1,704.13	1,653.45	50.67	33.629		
5,800.00	5,753.32	5,772.25	5,731.33	26.72	25.57	178.58	-15.74	-1,009.75	1,716.32	1,664.90	51.42	33.377		
5,900.00	5,852.43	5,850.11	5,809.16	27.18	25.88	178.65	-13.83	-1,009.51	1,729.33	1,677.19	52.15	33.163		
6,000.00	5,951.54	5,915.66	5,874.65	27.64	26.14	178.75	-11.17	-1,010.27	1,743.87	1,691.08	52.78	33.038		
6,100.00	6,050.65	5,992.03	5,950.88	28.11	26.45	178.88	-7.26	-1,012.82	1,760.41	1,706.93	53.47	32.920		
6,200.00	6,149.76	6,166.03	6,124.70	28.57	27.14	179.11	-0.73	-1,015.52	1,775.40	1,720.63	54.77	32.414		
6,300.00	6,248.87	6,262.96	6,221.63	29.03	27.54	179.14	-0.17	-1,014.71	1,787.90	1,732.28	55.61	32.149		
6,400.00	6,347.98	6,345.79	6,304.45	29.50	27.88	179.16	0.37	-1,014.69	1,801.17	1,744.80	56.37	31.952		
6,475.54	6,422.84	6,413.03	6,371.68	29.85	28.15	179.20	1.47	-1,015.06	1,811.66	1,754.69	56.97	31.800		
6,500.00	6,447.14	6,435.17	6,393.82	29.96	28.24	177.84	1.97	-1,015.24	1,814.65	1,757.49	57.16	31.745		
6,550.00	6,497.05	6,480.65	6,439.27	30.17	28.43	156.80	3.18	-1,015.69	1,817.95	1,760.40	57.55	31.587		
6,600.00	6,547.02	6,548.73	6,507.33	30.37	28.70	9.95	4.91	-1,016.19	1,817.23	1,759.17	58.06	31.297		
6,650.00	6,596.75	6,617.13	6,575.72	30.55	28.98	6.01	5.58	-1,015.88	1,811.96	1,753.41	58.55	30.947		
6,700.00	6,645.93	6,678.42	6,637.01	30.74	29.24	4.94	5.52	-1,015.14	1,802.44	1,743.46	58.98	30.558		
6,750.00	6,694.25	6,707.90	6,666.49	30.93	29.36	4.48	5.46	-1,014.87	1,789.23	1,730.00	59.23	30.208		
6,800.00	6,741.43	6,739.30	6,697.89	31.12	29.49	4.28	5.52	-1,014.85	1,772.70	1,713.23	59.47	29.807		
6,850.00	6,787.16	6,775.14	6,733.73	31.32	29.63	4.24	5.74	-1,015.13	1,752.91	1,693.19	59.72	29.350		
6,900.00	6,831.16	6,823.93	6,782.51	31.52	29.84	4.31	6.21	-1,015.51	1,729.60	1,669.56	60.04	28.806		
6,950.00	6,873.17	6,867.71	6,826.29	31.74	30.02	4.48	6.73	-1,015.75	1,702.81	1,642.49	60.32	28.229		
7,000.00	6,912.92	6,905.00	6,863.57	31.96	30.17	4.72	6.96	-1,015.99	1,672.83	1,612.28	60.55	27.626		
7,050.00	6,950.18	6,940.08	6,898.66	32.21	30.32	5.04	6.93	-1,016.28	1,639.87	1,579.12	60.76	26.990		
7,100.00	6,984.70	6,971.37	6,929.95	32.48	30.45	5.46	6.78	-1,016.59	1,604.14	1,543.21	60.94	26.325		
7,150.00	7,016.29	7,000.06	6,958.63	32.77	30.57	6.02	6.67	-1,016.95	1,565.86	1,504.77	61.09	25.632		
7,200.00	7,044.73	7,026.11	6,984.67	33.10	30.68	6.77	6.58	-1,017.32	1,525.25	1,464.03	61.22	24.912		
7,250.00	7,069.86	7,051.18	7,009.74	33.46	30.79	7.82	6.55	-1,017.70	1,482.53	1,421.18	61.35	24.165		
7,300.00	7,091.53	7,073.24	7,031.80	33.86	30.88	9.31	6.60	-1,018.05	1,437.92	1,376.47	61.45	23.398		
7,350.00	7,109.59	7,091.77	7,050.33	34.30	30.95	11.51	6.69	-1,018.34	1,391.72	1,330.18	61.54	22.615		
7,400.00	7,123.94	7,106.66	7,065.21	34.78	31.02	15.00	6.80	-1,018.58	1,344.19	1,282.58	61.60	21.819		
7,450.00	7,134.49	7,117.81	7,076.37	35.29	31.06	21.18	6.91	-1,018.75	1,295.63	1,233.98	61.65	21.015		
7,500.00	7,141.18	7,125.48	7,084.03	35.84	31.10	34.23	6.99	-1,018.88	1,246.34	1,184.66	61.69	20.204		
7,550.00	7,143.95	7,129.23	7,087.78	36.42	31.11	67.44	7.03	-1,018.93	1,196.63	1,134.92	61.71	19.392		
7,567.79	7,144.00	7,129.56	7,088.11	36.63	31.11	86.78	7.03	-1,018.94	1,178.90	1,117.19	61.71	19.103		
7,600.00	7,143.62	7,129.68	7,088.23	37.03	31.11	86.86	7.03	-1,018.94	1,146.79	1,085.08	61.72	18.582		
7,700.00	7,142.46	7,130.06	7,088.61	38.38	31.11	87.09	7.04	-1,018.95	1,047.15	985.41	61.74	16.961		
7,800.00	7,141.29	7,130.43	7,088.98	39.88	31.12	87.32	7.04	-1,018.95	947.59	885.82	61.77	15.340		
7,900.00	7,140.13	7,130.80	7,089.35	41.53	31.12	87.55	7.04	-1,018.96	848.13	786.30	61.82	13.718		
8,000.00	7,138.97	7,131.16	7,089.72	43.30	31.12	87.77	7.05	-1,018.96	748.81	686.90	61.91	12.096		
8,100.00	7,137.80	7,131.52	7,090.08	45.18	31.12	88.00	7.05	-1,018.97	649.70	587.66	62.04	10.473		
8,200.00	7,136.64	7,131.88	7,090.44	47.16	31.12	88.22	7.05	-1,018.98	550.91	488.65	62.26	8.849		
8,300.00	7,135.48	7,132.24	7,090.79	49.22	31.12	88.44	7.06	-1,018.98	452.65	389.99	62.66	7.224		
8,400.00	7,134.32	7,132.59	7,091.15	51.36	31.13	88.66	7.06	-1,018.99	355.37	291.89	63.47	5.599		
8,500.00	7,133.15	7,132.94	7,091.50	53.56	31.13	88.87	7.07	-1,018.99	260.15	194.78	65.37	3.980		
8,600.00	7,131.99	7,133.29	7,091.84	55.82	31.13	89.09	7.07	-1,019.00	170.50	99.85	70.65	2.413		
8,700.00	7,130.83	7,133.63	7,092.19	58.13	31.13	89.30	7.07	-1,019.00	102.29	17.41	84.88	1.205 Level 2		
8,743.04	7,130.32	7,133.78	7,092.33	59.15	31.13	89.39	7.07	-1,019.01	92.80	3.16	89.64	1.035 Level 2, CC, ES, SF		
8,800.00	7,129.66	7,133.97	7,092.53	60.49	31.13	89.51	7.08	-1,019.01	108.89	24.22	84.67	1.286 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 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,134.31	7,092.87	62.89	31.13	89.72	7.08	-1,019.01	182.34	109.81	72.54	2.514		
9,000.00	7,127.34	7,134.65	7,093.20	65.32	31.13	89.92	7.08	-1,019.02	273.20	205.64	67.56	4.044		
9,100.00	7,126.17	7,134.98	7,093.53	67.79	31.14	90.13	7.09	-1,019.02	368.82	303.37	65.45	5.635		
9,200.00	7,125.01	7,135.31	7,093.86	70.28	31.14	90.33	7.09	-1,019.03	466.29	401.89	64.40	7.241		
9,300.00	7,123.85	7,135.64	7,094.19	72.80	31.14	90.53	7.09	-1,019.03	564.64	500.83	63.81	8.849		
9,400.00	7,122.68	7,135.96	7,094.51	75.34	31.14	90.73	7.10	-1,019.04	663.48	600.04	63.44	10.458		
9,500.00	7,121.52	7,136.28	7,094.83	77.91	31.14	90.93	7.10	-1,019.04	762.62	699.42	63.20	12.066		
9,600.00	7,120.36	7,136.60	7,095.15	80.49	31.14	91.13	7.10	-1,019.05	861.97	798.92	63.04	13.673		
9,700.00	7,119.19	7,136.92	7,095.47	83.09	31.14	91.32	7.11	-1,019.05	961.44	898.51	62.93	15.278		
9,800.00	7,118.03	7,137.23	7,095.78	85.70	31.14	91.52	7.11	-1,019.06	1,061.02	998.17	62.85	16.881		
9,900.00	7,116.87	7,137.54	7,096.09	88.33	31.15	91.71	7.11	-1,019.06	1,160.67	1,097.87	62.80	18.482		
10,000.00	7,115.70	7,137.85	7,096.40	90.98	31.15	91.90	7.11	-1,019.07	1,260.38	1,197.61	62.76	20.082		
10,100.00	7,114.54	7,138.15	7,096.71	93.63	31.15	92.09	7.12	-1,019.07	1,360.12	1,297.38	62.74	21.679		
10,200.00	7,113.38	7,138.46	7,097.01	96.29	31.15	92.27	7.12	-1,019.08	1,459.91	1,397.18	62.73	23.274		
10,300.00	7,112.21	7,138.76	7,097.31	98.97	31.15	92.46	7.12	-1,019.08	1,559.72	1,496.99	62.72	24.867		
10,400.00	7,111.05	7,139.06	7,097.61	101.65	31.15	92.64	7.13	-1,019.09	1,659.55	1,596.83	62.72	26.458		
10,500.00	7,109.89	7,139.35	7,097.91	104.34	31.15	92.82	7.13	-1,019.09	1,759.40	1,696.67	62.73	28.047		
10,600.00	7,108.72	7,139.65	7,098.20	107.04	31.15	93.01	7.13	-1,019.09	1,859.27	1,796.53	62.74	29.633		
10,700.00	7,107.56	7,139.94	7,098.49	109.75	31.16	93.18	7.14	-1,019.10	1,959.15	1,896.39	62.76	31.217		
10,800.00	7,106.40	7,140.23	7,098.78	112.47	31.16	93.36	7.14	-1,019.10	2,059.04	1,996.26	62.78	32.798		
10,900.00	7,105.24	7,140.51	7,099.07	115.19	31.16	93.54	7.14	-1,019.11	2,158.95	2,096.14	62.80	34.377		
11,000.00	7,104.07	7,140.80	7,099.35	117.91	31.16	93.71	7.14	-1,019.11	2,258.86	2,196.03	62.83	35.953		
11,100.00	7,102.91	7,141.08	7,099.63	120.64	31.16	93.89	7.15	-1,019.12	2,358.78	2,295.92	62.86	37.526		
11,200.00	7,101.75	7,141.36	7,099.91	123.38	31.16	94.06	7.15	-1,019.12	2,458.70	2,395.81	62.89	39.097		
11,300.00	7,100.58	7,141.64	7,100.19	126.12	31.16	94.23	7.15	-1,019.12	2,558.63	2,495.71	62.92	40.664		
11,400.00	7,099.42	7,141.91	7,100.47	128.87	31.16	94.40	7.16	-1,019.13	2,658.57	2,595.61	62.96	42.229		
11,500.00	7,098.26	7,142.19	7,100.74	131.62	31.17	94.57	7.16	-1,019.13	2,758.51	2,695.52	62.99	43.791		
11,600.00	7,097.09	7,142.46	7,101.01	134.37	31.17	94.73	7.16	-1,019.14	2,858.45	2,795.42	63.03	45.349		
11,700.00	7,095.93	7,142.73	7,101.28	137.13	31.17	94.90	7.16	-1,019.14	2,958.40	2,895.33	63.07	46.905		
11,800.00	7,094.77	7,143.00	7,101.55	139.89	31.17	95.06	7.17	-1,019.15	3,058.35	2,995.24	63.11	48.457		
11,900.00	7,093.60	7,143.26	7,101.81	142.65	31.17	95.22	7.17	-1,019.15	3,158.31	3,095.15	63.16	50.006		
12,000.00	7,092.44	7,143.53	7,102.08	145.42	31.17	95.38	7.17	-1,019.15	3,258.27	3,195.06	63.20	51.552		
12,100.00	7,091.28	7,143.79	7,102.34	148.19	31.17	95.54	7.17	-1,019.16	3,358.23	3,294.98	63.25	53.094		
12,200.00	7,090.11	7,144.05	7,102.60	150.96	31.17	95.70	7.18	-1,019.16	3,458.19	3,394.89	63.30	54.633		
12,300.00	7,088.95	7,144.30	7,102.86	153.74	31.17	95.86	7.18	-1,019.16	3,558.15	3,494.81	63.35	56.168		
12,400.00	7,087.79	7,144.56	7,103.11	156.52	31.18	96.01	7.18	-1,019.17	3,658.12	3,594.72	63.40	57.700		
12,500.00	7,086.62	7,144.81	7,103.37	159.30	31.18	96.17	7.18	-1,019.17	3,758.09	3,694.64	63.45	59.228		
12,600.00	7,085.46	7,145.07	7,103.62	162.08	31.18	96.32	7.19	-1,019.18	3,858.06	3,794.55	63.50	60.753		
12,700.00	7,084.30	7,145.32	7,103.87	164.86	31.18	96.47	7.19	-1,019.18	3,958.03	3,894.47	63.56	62.273		
12,800.00	7,083.13	7,145.56	7,104.12	167.65	31.18	96.62	7.19	-1,019.18	4,058.00	3,994.39	63.61	63.790		
12,900.00	7,081.97	7,145.81	7,104.36	170.44	31.18	96.77	7.19	-1,019.19	4,157.98	4,094.30	63.67	65.303		
13,000.00	7,080.81	7,146.05	7,104.61	173.23	31.18	96.92	7.20	-1,019.19	4,257.95	4,194.22	63.73	66.812		
13,100.00	7,079.64	7,146.30	7,104.85	176.02	31.18	97.07	7.20	-1,019.19	4,357.93	4,294.14	63.79	68.318		
13,200.00	7,078.48	7,146.54	7,105.09	178.81	31.18	97.22	7.20	-1,019.20	4,457.91	4,394.06	63.85	69.819		
13,300.00	7,077.32	7,146.78	7,105.33	181.61	31.18	97.36	7.20	-1,019.20	4,557.88	4,493.97	63.91	71.316		
13,400.00	7,076.16	7,147.02	7,105.57	184.40	31.19	97.51	7.20	-1,019.20	4,657.86	4,593.89	63.97	72.809		
13,500.00	7,074.99	7,147.25	7,105.80	187.20	31.19	97.65	7.21	-1,019.21	4,757.84	4,693.81	64.04	74.298		
13,600.00	7,073.83	7,147.49	7,106.04	190.00	31.19	97.79	7.21	-1,019.21	4,857.82	4,793.72	64.10	75.783		
13,700.00	7,072.67	7,147.72	7,106.27	192.80	31.19	97.93	7.21	-1,019.22	4,957.81	4,893.64	64.17	77.263		
13,800.00	7,071.50	7,147.95	7,106.50	195.60	31.19	98.07	7.21	-1,019.22	5,057.79	4,993.55	64.23	78.739		
13,900.00	7,070.34	7,148.18	7,106.73	198.41	31.19	98.21	7.22	-1,019.22	5,157.77	5,093.47	64.30	80.211		
14,000.00	7,069.18	7,148.41	7,106.96	201.21	31.19	98.35	7.22	-1,019.23	5,257.76	5,193.38	64.37	81.679		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,100.00	7,068.01	7,148.63	7,107.18	204.02	31.19	98.48	7.22	-1,019.23	5,357.74	5,293.30	64.44	83.142		
14,200.00	7,066.85	7,148.86	7,107.41	206.82	31.19	98.62	7.22	-1,019.23	5,457.72	5,393.21	64.51	84.600		
14,300.00	7,065.69	7,149.08	7,107.63	209.63	31.19	98.75	7.22	-1,019.24	5,557.71	5,493.13	64.58	86.055		
14,400.00	7,064.52	7,149.30	7,107.85	212.44	31.19	98.88	7.23	-1,019.24	5,657.70	5,593.04	64.66	87.504		
14,500.00	7,063.36	7,149.52	7,108.07	215.25	31.20	99.02	7.23	-1,019.24	5,757.68	5,692.95	64.73	88.949		
14,600.00	7,062.20	7,149.74	7,108.29	218.06	31.20	99.15	7.23	-1,019.24	5,857.67	5,792.86	64.80	90.390		
14,700.00	7,061.03	7,149.96	7,108.51	220.87	31.20	99.28	7.23	-1,019.25	5,957.66	5,892.78	64.88	91.826		
14,800.00	7,059.87	7,150.17	7,108.72	223.68	31.20	99.41	7.24	-1,019.25	6,057.64	5,992.69	64.96	93.257		
14,900.00	7,058.71	7,150.39	7,108.94	226.49	31.20	99.53	7.24	-1,019.25	6,157.63	6,092.60	65.03	94.684		
15,000.00	7,057.54	7,150.60	7,109.15	229.30	31.20	99.66	7.24	-1,019.26	6,257.62	6,192.51	65.11	96.105		
15,100.00	7,056.38	7,150.81	7,109.36	232.12	31.20	99.79	7.24	-1,019.26	6,357.61	6,292.42	65.19	97.523		
15,200.00	7,055.22	7,151.02	7,109.57	234.93	31.20	99.91	7.24	-1,019.26	6,457.60	6,392.33	65.27	98.935		
15,300.00	7,054.05	7,151.23	7,109.78	237.75	31.20	100.04	7.25	-1,019.27	6,557.59	6,492.24	65.35	100.342		
15,400.00	7,052.89	7,151.43	7,109.98	240.56	31.20	100.16	7.25	-1,019.27	6,657.58	6,592.14	65.43	101.745		
15,500.00	7,051.73	7,151.64	7,110.19	243.38	31.20	100.28	7.25	-1,019.27	6,757.57	6,692.05	65.52	103.143		
15,600.00	7,050.56	7,151.84	7,110.39	246.20	31.21	100.40	7.25	-1,019.28	6,857.56	6,791.96	65.60	104.536		
15,648.52	7,050.00	7,151.94	7,110.49	247.57	31.21	100.46	7.25	-1,019.28	6,906.08	6,840.44	65.64	105.210		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-74.49	257.22	-926.98	962.71				
100.00	100.00	57.69	57.69	3.28	3.29	-74.49	257.24	-927.09	962.13	955.56	6.57	146.392	
200.00	200.00	146.37	146.37	3.34	3.34	-74.50	257.39	-928.10	963.27	956.60	6.68	144.290	
300.00	300.00	271.59	271.58	3.44	3.47	-74.53	257.09	-929.10	964.05	957.13	6.92	139.331	
400.00	399.98	446.63	446.39	3.60	3.79	-166.23	252.86	-922.45	961.80	954.36	7.44	129.351	
500.00	499.84	601.00	599.64	3.80	4.18	-166.64	243.89	-906.43	955.30	947.23	8.08	118.300	
600.00	599.45	761.63	757.54	4.04	4.75	-167.34	229.35	-880.95	945.94	937.07	8.87	106.628	
682.50	681.36	847.68	841.50	4.26	5.12	-167.82	220.02	-864.58	937.97	928.61	9.36	100.182	
700.00	698.71	863.45	856.89	4.32	5.19	-167.90	218.32	-861.61	936.57	927.11	9.46	99.041	
800.00	797.82	981.26	971.77	4.62	5.75	-168.54	205.60	-838.80	928.16	917.97	10.19	91.075	
900.00	896.93	1,100.89	1,087.62	4.95	6.40	-169.18	192.21	-812.14	916.67	905.70	10.98	83.490	
1,000.00	996.04	1,204.21	1,187.64	5.30	7.00	-169.67	181.80	-788.46	905.01	893.28	11.72	77.202	
1,100.00	1,095.15	1,309.20	1,288.84	5.67	7.64	-170.24	169.98	-763.14	891.90	879.39	12.51	71.297	
1,200.00	1,194.26	1,415.78	1,391.40	6.05	8.32	-170.95	156.23	-737.61	878.73	865.39	13.34	65.872	
1,300.00	1,293.37	1,497.36	1,469.84	6.45	8.86	-171.60	144.56	-718.49	865.92	851.83	14.09	61.451	
1,400.00	1,392.48	1,590.34	1,559.36	6.85	9.48	-172.50	129.30	-698.53	854.80	839.87	14.93	57.244	
1,500.00	1,491.59	1,681.36	1,646.57	7.26	10.09	-173.64	110.88	-680.13	844.51	828.70	15.82	53.399	
1,600.00	1,590.70	1,776.18	1,736.81	7.68	10.76	-175.13	87.97	-662.21	835.30	818.53	16.78	49.787	
1,700.00	1,689.81	1,866.28	1,822.07	8.10	11.40	-176.75	63.76	-646.00	827.25	809.47	17.78	46.539	
1,800.00	1,788.92	1,977.04	1,925.80	8.53	12.24	-179.01	30.55	-625.93	819.55	800.57	18.99	43.166	
1,900.00	1,888.03	2,079.58	2,020.14	8.96	13.09	-178.56	-4.45	-606.27	811.60	791.34	20.26	40.067	
2,000.00	1,987.14	2,180.47	2,111.79	9.39	13.97	175.93	-41.67	-586.39	804.46	782.84	21.62	37.217	
2,100.00	2,086.25	2,275.52	2,198.12	9.83	14.82	173.44	-76.17	-566.66	797.98	774.99	22.98	34.719	
2,200.00	2,185.36	2,379.30	2,292.80	10.27	15.77	170.77	-112.76	-545.01	793.06	768.60	24.46	32.423	
2,300.00	2,284.47	2,460.09	2,366.67	10.71	16.50	168.73	-140.47	-527.68	789.10	763.34	25.76	30.637	
2,379.37	2,363.13	2,527.39	2,428.41	11.06	17.11	167.01	-163.82	-514.54	788.48	761.66	26.82	29.399 CC	
2,400.00	2,383.58	2,547.04	2,446.47	11.15	17.29	166.51	-170.57	-510.74	788.51	761.39	27.12	29.078	
2,500.00	2,482.69	2,646.89	2,537.84	11.60	18.21	163.93	-205.62	-490.93	789.26	760.62	28.64	27.558 ES	
2,600.00	2,581.80	2,735.23	2,616.80	12.05	19.09	161.36	-240.50	-472.22	791.44	761.30	30.14	26.262	
2,700.00	2,680.91	2,821.03	2,691.89	12.50	20.00	158.64	-277.69	-453.76	796.42	764.76	31.66	25.156	
2,800.00	2,780.02	2,914.51	2,774.21	12.95	20.97	155.79	-317.34	-434.10	803.91	770.66	33.25	24.178	
2,900.00	2,879.13	3,001.38	2,852.06	13.40	21.85	153.37	-351.72	-416.67	813.33	778.65	34.68	23.450	
3,000.00	2,978.24	3,080.28	2,922.55	13.85	22.65	151.18	-383.71	-401.41	825.60	789.63	35.97	22.950	
3,100.00	3,077.35	3,179.57	3,011.28	14.30	23.65	148.51	-424.23	-382.94	840.41	802.89	37.52	22.398	
3,200.00	3,176.46	3,289.29	3,111.11	14.76	24.72	145.91	-464.92	-362.55	855.03	815.89	39.14	21.847	
3,300.00	3,275.57	3,393.18	3,206.23	15.21	25.71	143.61	-501.35	-342.10	869.03	828.41	40.62	21.394	
3,400.00	3,374.68	3,476.08	3,282.42	15.67	26.49	141.88	-530.18	-326.69	884.89	843.10	41.79	21.176	
3,500.00	3,473.79	3,583.63	3,381.91	16.12	27.48	139.81	-565.86	-306.86	900.95	857.71	43.24	20.836	
3,600.00	3,572.90	3,665.36	3,457.23	16.58	28.24	138.24	-593.59	-291.45	918.20	873.86	44.33	20.712	
3,700.00	3,672.01	3,741.94	3,527.21	17.04	28.98	136.74	-621.32	-277.43	938.17	892.85	45.32	20.700	
3,800.00	3,771.12	3,847.50	3,624.44	17.50	29.96	134.87	-658.24	-259.33	959.07	912.36	46.70	20.536	
3,900.00	3,870.23	3,935.19	3,705.47	17.95	30.78	133.41	-688.19	-244.30	980.24	932.45	47.79	20.511	
4,000.00	3,969.34	4,005.14	3,769.19	18.41	31.45	132.18	-714.24	-231.92	1,003.93	955.33	48.60	20.659	
4,100.00	4,068.45	4,090.75	3,846.27	18.87	32.32	130.63	-748.07	-216.29	1,029.78	980.13	49.65	20.742	
4,200.00	4,167.56	4,175.11	3,921.86	19.33	33.19	129.12	-782.17	-200.80	1,057.10	1,006.44	50.66	20.867	
4,300.00	4,266.67	4,299.35	4,033.10	19.79	34.49	126.96	-831.42	-175.63	1,083.44	1,031.11	52.33	20.703	
4,400.00	4,365.78	4,387.68	4,112.53	20.25	35.42	125.53	-865.70	-157.85	1,110.20	1,056.81	53.39	20.793	
4,500.00	4,464.89	4,475.71	4,191.24	20.71	36.35	124.10	-900.43	-139.20	1,137.69	1,083.27	54.43	20.903	
4,600.00	4,564.00	4,556.35	4,263.00	21.17	37.21	122.83	-933.11	-122.27	1,166.85	1,111.52	55.33	21.090	
4,700.00	4,663.11	4,646.93	4,343.80	21.63	38.19	121.49	-969.60	-103.74	1,196.78	1,140.40	56.38	21.227	
4,800.00	4,762.22	4,727.53	4,415.01	22.09	39.07	120.29	-1,003.25	-86.63	1,228.22	1,170.97	57.25	21.455	
4,900.00	4,861.33	4,881.28	4,551.81	22.56	40.74	118.14	-1,064.57	-52.59	1,258.51	1,199.19	59.32	21.217	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
5,000.00	4,960.44	4,978.61	4,639.91	23.02	41.75	116.96	-1,100.07	-31.34	1,286.42	1,225.99	60.43	21.288		
5,100.00	5,059.55	5,055.79	4,710.02	23.48	42.53	116.10	-1,128.20	-15.52	1,315.30	1,254.08	61.21	21.487		
5,200.00	5,158.66	5,124.87	4,772.65	23.94	43.24	115.37	-1,154.06	-2.09	1,345.88	1,284.02	61.86	21.756		
5,300.00	5,257.77	5,236.46	4,873.34	24.40	44.38	114.21	-1,196.93	19.68	1,377.77	1,314.61	63.17	21.812		
5,400.00	5,356.88	5,476.45	5,097.12	24.87	46.51	112.44	-1,272.33	61.00	1,405.70	1,339.69	66.01	21.296		
5,500.00	5,455.99	5,611.52	5,227.94	25.33	47.43	111.98	-1,301.03	78.29	1,424.83	1,357.51	67.32	21.165		
5,600.00	5,555.10	5,733.89	5,347.47	25.79	48.17	111.72	-1,323.54	91.64	1,442.26	1,373.81	68.45	21.070		
5,700.00	5,654.21	5,846.25	5,458.00	26.25	48.78	111.66	-1,341.58	100.68	1,458.73	1,389.25	69.48	20.996		
5,800.00	5,753.32	6,010.48	5,620.83	26.72	49.52	111.83	-1,360.74	109.58	1,472.09	1,401.35	70.74	20.810		
5,900.00	5,852.43	6,149.12	5,758.94	27.18	50.05	112.13	-1,371.36	115.22	1,482.57	1,410.80	71.77	20.656		
6,000.00	5,951.54	6,283.36	5,893.04	27.64	50.45	112.60	-1,376.34	117.92	1,490.23	1,417.51	72.71	20.495		
6,100.00	6,050.65	6,401.34	6,011.02	28.11	50.75	113.11	-1,377.64	118.66	1,496.17	1,422.58	73.59	20.332		
6,200.00	6,149.76	6,515.77	6,125.43	28.57	50.97	113.69	-1,376.75	117.70	1,501.14	1,426.72	74.42	20.171		
6,300.00	6,248.87	6,625.25	6,234.86	29.03	51.16	114.32	-1,374.19	115.46	1,505.36	1,430.12	75.24	20.009		
6,400.00	6,347.98	6,719.72	6,329.24	29.50	51.31	114.90	-1,371.16	112.64	1,509.39	1,433.34	76.05	19.848		
6,475.54	6,422.84	6,780.41	6,389.87	29.85	51.41	115.28	-1,369.50	110.45	1,513.07	1,436.42	76.65	19.739		
6,500.00	6,447.14	6,798.09	6,407.53	29.96	51.45	114.10	-1,369.22	109.92	1,514.24	1,437.40	76.84	19.706		
6,550.00	6,497.05	6,834.51	6,443.95	30.17	51.52	93.23	-1,369.07	109.13	1,515.55	1,438.37	77.18	19.637		
6,600.00	6,547.02	6,883.27	6,492.70	30.37	51.62	-53.73	-1,369.47	108.51	1,515.30	1,437.82	77.48	19.558		
6,650.00	6,596.75	6,944.30	6,553.73	30.55	51.75	-58.11	-1,369.50	107.53	1,512.88	1,435.13	77.75	19.457		
6,700.00	6,645.93	6,980.67	6,590.08	30.74	51.83	-59.78	-1,369.51	106.88	1,508.64	1,430.69	77.96	19.352		
6,750.00	6,694.25	7,016.94	6,626.35	30.93	51.91	-61.06	-1,369.86	106.25	1,503.02	1,424.89	78.12	19.239		
6,800.00	6,741.43	7,054.86	6,664.26	31.12	52.01	-62.36	-1,370.62	105.71	1,496.06	1,417.80	78.27	19.115		
6,850.00	6,787.16	7,092.78	6,702.16	31.32	52.12	-63.78	-1,371.78	105.56	1,487.82	1,409.44	78.38	18.983		
6,900.00	6,831.16	7,132.65	6,741.99	31.52	52.23	-65.41	-1,373.42	105.79	1,478.43	1,399.97	78.45	18.845		
6,950.00	6,873.17	7,184.00	6,793.32	31.74	52.37	-67.45	-1,375.17	105.64	1,467.75	1,389.22	78.54	18.689		
7,000.00	6,912.92	7,233.04	6,842.34	31.96	52.50	-69.66	-1,376.18	104.74	1,455.86	1,377.28	78.58	18.528		
7,050.00	6,950.18	7,279.15	6,888.42	32.21	52.60	-72.01	-1,376.67	103.46	1,443.02	1,364.44	78.58	18.364		
7,100.00	6,984.70	7,329.92	6,939.16	32.48	52.70	-74.69	-1,376.64	101.57	1,429.46	1,350.92	78.55	18.199		
7,150.00	7,016.29	7,383.35	6,992.50	32.77	52.80	-77.62	-1,375.57	98.75	1,415.26	1,336.78	78.48	18.033		
7,200.00	7,044.73	7,415.92	7,025.01	33.10	52.86	-80.04	-1,374.62	97.00	1,400.91	1,322.51	78.40	17.869		
7,250.00	7,069.86	7,442.41	7,051.47	33.46	52.91	-82.30	-1,373.99	96.09	1,386.98	1,308.69	78.29	17.715		
7,300.00	7,091.53	7,464.19	7,073.25	33.86	52.95	-84.37	-1,373.58	95.68	1,373.83	1,295.65	78.18	17.573		
7,350.00	7,109.59	7,482.56	7,091.61	34.30	52.99	-86.23	-1,373.30	95.55	1,361.74	1,283.68	78.06	17.445		
7,400.00	7,123.94	7,498.39	7,107.45	34.78	53.02	-87.89	-1,373.03	95.41	1,350.95	1,273.02	77.94	17.334		
7,450.00	7,134.49	7,510.48	7,119.53	35.29	53.05	-89.25	-1,372.82	95.26	1,341.70	1,263.88	77.82	17.241		
7,500.00	7,141.18	7,518.61	7,127.65	35.84	53.06	-90.29	-1,372.67	95.14	1,334.16	1,256.45	77.71	17.169		
7,550.00	7,143.95	7,522.57	7,131.62	36.42	53.07	-90.98	-1,372.59	95.08	1,328.49	1,250.89	77.60	17.119		
7,567.79	7,144.00	7,522.94	7,131.98	36.63	53.07	-91.14	-1,372.58	95.07	1,326.94	1,249.37	77.57	17.107		
7,600.00	7,143.62	7,523.10	7,132.15	37.03	53.07	-91.14	-1,372.58	95.07	1,324.75	1,247.24	77.51	17.091		
7,674.10	7,142.76	7,523.49	7,132.54	38.03	53.07	-91.16	-1,372.57	95.06	1,322.67	1,245.21	77.47	17.074 SF		
7,700.00	7,142.46	7,523.63	7,132.68	38.38	53.07	-91.17	-1,372.57	95.06	1,322.93	1,245.47	77.45	17.081		
7,800.00	7,141.29	7,524.19	7,133.24	39.88	53.07	-91.19	-1,372.56	95.05	1,328.65	1,251.09	77.56	17.131		
7,900.00	7,140.13	7,524.79	7,133.83	41.53	53.08	-91.22	-1,372.54	95.04	1,341.82	1,263.99	77.83	17.241		
8,000.00	7,138.97	7,525.42	7,134.46	43.30	53.08	-91.24	-1,372.53	95.03	1,362.23	1,283.98	78.25	17.408		
8,100.00	7,137.80	7,526.09	7,135.13	45.18	53.08	-91.27	-1,372.52	95.02	1,389.55	1,310.73	78.82	17.630		
8,200.00	7,136.64	7,526.80	7,135.84	47.16	53.08	-91.30	-1,372.50	95.00	1,423.38	1,343.88	79.50	17.903		
8,300.00	7,135.48	7,527.56	7,136.60	49.22	53.08	-91.34	-1,372.49	94.99	1,463.28	1,382.99	80.29	18.225		
8,400.00	7,134.32	7,528.37	7,137.41	51.36	53.08	-91.37	-1,372.47	94.97	1,508.77	1,427.62	81.15	18.592		
8,500.00	7,133.15	7,529.24	7,138.28	53.56	53.08	-91.41	-1,372.46	94.96	1,559.34	1,477.29	82.05	19.004		
8,600.00	7,131.99	7,530.17	7,139.21	55.82	53.09	-91.45	-1,372.44	94.94	1,614.53	1,531.56	82.98	19.458		
8,700.00	7,130.83	7,531.18	7,140.22	58.13	53.09	-91.49	-1,372.42	94.92	1,673.89	1,589.99	83.89	19.952		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)					
8,800.00	7,129.66	7,532.26	7,141.31	60.49	53.09	-91.54	-1,372.39	94.90	1,736.97	1,652.18	84.79	20.485					
8,900.00	7,128.50	7,533.44	7,142.48	62.89	53.09	-91.59	-1,372.37	94.88	1,803.39	1,717.74	85.66	21.054					
9,000.00	7,127.34	7,534.72	7,143.76	65.32	53.10	-91.65	-1,372.34	94.85	1,872.81	1,786.33	86.48	21.657					
9,100.00	7,126.17	7,536.12	7,145.16	67.79	53.10	-91.71	-1,372.31	94.83	1,944.88	1,857.63	87.25	22.291					
9,200.00	7,125.01	7,537.64	7,146.68	70.28	53.10	-91.77	-1,372.28	94.80	2,019.34	1,931.37	87.97	22.955					
9,300.00	7,123.85	7,539.33	7,148.37	72.80	53.10	-91.85	-1,372.25	94.76	2,095.92	2,007.28	88.64	23.645					
9,400.00	7,122.68	7,541.18	7,150.22	75.34	53.11	-91.93	-1,372.21	94.72	2,174.41	2,085.14	89.26	24.359					
9,500.00	7,121.52	7,543.25	7,152.29	77.91	53.11	-92.02	-1,372.16	94.68	2,254.60	2,164.76	89.84	25.096					
9,600.00	7,120.36	7,545.56	7,154.60	80.49	53.12	-92.12	-1,372.11	94.63	2,336.31	2,245.94	90.37	25.853					
9,700.00	7,119.19	7,548.16	7,157.19	83.09	53.12	-92.23	-1,372.05	94.57	2,419.40	2,328.54	90.86	26.629					
9,800.00	7,118.03	7,551.10	7,160.14	85.70	53.13	-92.36	-1,371.99	94.50	2,503.72	2,412.42	91.31	27.421					
9,900.00	7,116.87	7,554.47	7,163.50	88.33	53.14	-92.50	-1,371.91	94.42	2,589.16	2,497.44	91.72	28.229					
10,000.00	7,115.70	7,558.35	7,167.38	90.98	53.14	-92.67	-1,371.82	94.32	2,675.61	2,583.51	92.10	29.051					
10,100.00	7,114.54	7,562.88	7,171.91	93.63	53.15	-92.87	-1,371.72	94.21	2,762.97	2,670.52	92.45	29.885					
10,200.00	7,113.38	7,568.24	7,177.26	96.29	53.16	-93.10	-1,371.59	94.06	2,851.16	2,758.38	92.78	30.731					
10,300.00	7,112.21	7,574.67	7,183.69	98.97	53.18	-93.38	-1,371.43	93.88	2,940.10	2,847.02	93.08	31.588					
10,400.00	7,111.05	10,400.00	7,140.42	101.65	59.04	-91.50	-1,372.33	94.71	3,029.60	2,928.51	101.08	29.971					
10,500.00	7,109.89	10,500.00	7,140.74	104.34	59.26	-91.52	-1,372.32	94.71	3,119.87	3,018.31	101.56	30.719					
10,600.00	7,108.72	10,600.00	7,141.06	107.04	59.47	-91.53	-1,372.32	94.70	3,210.72	3,108.70	102.02	31.472					
10,700.00	7,107.56	10,700.00	7,141.38	109.75	59.68	-91.54	-1,372.31	94.70	3,302.10	3,199.64	102.46	32.228					
10,800.00	7,106.40	10,800.00	7,141.70	112.47	59.89	-91.56	-1,372.30	94.69	3,393.96	3,291.07	102.89	32.987					
10,900.00	7,105.24	10,900.00	7,142.02	115.19	60.11	-91.57	-1,372.30	94.69	3,486.27	3,382.97	103.30	33.748					
11,000.00	7,104.07	11,000.00	7,142.34	117.91	60.32	-91.59	-1,372.29	94.68	3,579.00	3,475.30	103.70	34.512					
11,100.00	7,102.91	7,581.34	7,190.36	120.64	53.19	-93.66	-1,371.27	93.72	3,672.17	3,577.24	94.93	38.685					
11,200.00	7,101.75	7,583.49	7,192.50	123.38	53.19	-93.76	-1,371.22	93.66	3,765.62	3,670.52	95.10	39.597					
11,300.00	7,100.58	7,585.67	7,194.68	126.12	53.20	-93.85	-1,371.16	93.60	3,859.39	3,764.13	95.26	40.514					
11,400.00	7,099.42	7,587.88	7,196.89	128.87	53.20	-93.95	-1,371.11	93.54	3,953.47	3,858.06	95.41	41.435					
11,500.00	7,098.26	7,590.14	7,199.15	131.62	53.20	-94.04	-1,371.05	93.48	4,047.84	3,952.28	95.56	42.359					
11,600.00	7,097.09	7,592.43	7,201.44	134.37	53.21	-94.14	-1,370.99	93.41	4,142.47	4,046.76	95.70	43.285					
11,700.00	7,095.93	7,594.77	7,203.77	137.13	53.21	-94.24	-1,370.93	93.35	4,237.34	4,141.50	95.84	44.215					
11,800.00	7,094.77	7,597.14	7,206.14	139.89	53.22	-94.35	-1,370.87	93.28	4,332.44	4,236.48	95.96	45.147					
11,900.00	7,093.60	7,599.56	7,208.56	142.65	53.22	-94.45	-1,370.80	93.21	4,427.76	4,331.67	96.09	46.081					
12,000.00	7,092.44	7,602.02	7,211.02	145.42	53.23	-94.56	-1,370.74	93.14	4,523.28	4,427.07	96.20	47.017					
12,100.00	7,091.28	7,604.52	7,213.52	148.19	53.23	-94.67	-1,370.67	93.07	4,618.99	4,522.67	96.32	47.955					
12,200.00	7,090.11	7,607.08	7,216.07	150.96	53.24	-94.78	-1,370.60	93.00	4,714.87	4,618.44	96.43	48.895					
12,300.00	7,088.95	7,609.67	7,218.67	153.74	53.24	-94.89	-1,370.53	92.92	4,810.92	4,714.39	96.54	49.836					
12,400.00	7,087.79	7,612.32	7,221.31	156.52	53.25	-95.00	-1,370.46	92.85	4,907.13	4,810.49	96.64	50.778					
12,500.00	7,086.62	7,615.02	7,224.01	159.30	53.25	-95.12	-1,370.38	92.77	5,003.49	4,906.75	96.74	51.722					
12,600.00	7,085.46	7,617.76	7,226.75	162.08	53.26	-95.24	-1,370.30	92.69	5,099.98	5,003.15	96.84	52.666					
12,700.00	7,084.30	7,620.56	7,229.55	164.86	53.26	-95.36	-1,370.23	92.61	5,196.61	5,099.68	96.93	53.611					
12,800.00	7,083.13	7,623.42	7,232.40	167.65	53.27	-95.48	-1,370.14	92.52	5,293.36	5,196.34	97.02	54.557					
12,900.00	7,081.97	7,626.33	7,235.31	170.44	53.27	-95.61	-1,370.06	92.43	5,390.23	5,293.12	97.12	55.504					
13,000.00	7,080.81	7,629.30	7,238.27	173.23	53.28	-95.74	-1,369.98	92.35	5,487.21	5,390.01	97.20	56.451					
13,100.00	7,079.64	7,632.32	7,241.30	176.02	53.29	-95.87	-1,369.89	92.25	5,584.30	5,487.01	97.29	57.398					
13,200.00	7,078.48	7,635.41	7,244.38	178.81	53.29	-96.00	-1,369.80	92.16	5,681.49	5,584.11	97.38	58.346					
13,300.00	7,077.32	7,638.56	7,247.53	181.61	53.30	-96.13	-1,369.70	92.06	5,778.77	5,681.31	97.46	59.293					
13,400.00	7,076.16	13,400.00	7,277.34	184.40	64.41	-97.42	-1,368.75	91.06	5,876.11	5,765.42	110.68	53.090					
13,500.00	7,074.99	13,500.00	7,279.55	187.20	64.61	-97.51	-1,368.67	90.99	5,973.56	5,862.59	110.96	53.833					
13,600.00	7,073.83	13,600.00	7,281.75	190.00	64.81	-97.61	-1,368.60	90.91	6,071.09	5,959.84	111.25	54.574					
13,700.00	7,072.67	13,700.00	7,283.96	192.80	65.01	-97.70	-1,368.53	90.83	6,168.70	6,057.17	111.53	55.312					
13,800.00	7,071.50	13,800.00	7,286.17	195.60	65.21	-97.80	-1,368.45	90.75	6,266.38	6,154.58	111.80	56.048					
13,900.00	7,070.34	7,705.12	7,314.01	198.41	53.42	-98.99	-1,367.50	89.73	6,364.13	6,266.20	97.92	64.992					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,000.00	7,069.18	7,707.69	7,316.57	201.21	53.42	-99.10	-1,367.41	89.63	6,461.94	6,363.94	98.00	65.938	
14,100.00	7,068.01	7,710.25	7,319.14	204.02	53.43	-99.21	-1,367.31	89.53	6,559.82	6,461.74	98.08	66.884	
14,200.00	7,066.85	7,712.82	7,321.70	206.82	53.43	-99.31	-1,367.22	89.43	6,657.76	6,559.60	98.16	67.829	
14,300.00	7,065.69	7,715.39	7,324.26	209.63	53.44	-99.42	-1,367.13	89.33	6,755.76	6,657.53	98.23	68.773	
14,400.00	7,064.52	7,717.95	7,326.83	212.44	53.44	-99.53	-1,367.04	89.24	6,853.82	6,755.51	98.31	69.717	
14,500.00	7,063.36	7,720.52	7,329.39	215.25	53.45	-99.64	-1,366.95	89.14	6,951.93	6,853.54	98.39	70.660	
14,600.00	7,062.20	7,723.09	7,331.95	218.06	53.45	-99.75	-1,366.86	89.04	7,050.09	6,951.63	98.46	71.603	
14,700.00	7,061.03	7,725.65	7,334.52	220.87	53.46	-99.86	-1,366.77	88.94	7,148.30	7,049.77	98.54	72.545	
14,800.00	7,059.87	7,728.22	7,337.08	223.68	53.46	-99.97	-1,366.68	88.84	7,246.56	7,147.95	98.61	73.486	
14,900.00	7,058.71	7,730.79	7,339.64	226.49	53.47	-100.08	-1,366.59	88.74	7,344.87	7,246.18	98.69	74.426	
15,000.00	7,057.54	7,733.35	7,342.20	229.30	53.47	-100.19	-1,366.49	88.64	7,443.22	7,344.46	98.76	75.365	
15,100.00	7,056.38	7,735.92	7,344.77	232.12	53.48	-100.30	-1,366.40	88.54	7,541.62	7,442.78	98.84	76.304	
15,200.00	7,055.22	7,738.48	7,347.33	234.93	53.48	-100.40	-1,366.31	88.45	7,640.05	7,541.14	98.91	77.241	
15,300.00	7,054.05	7,741.05	7,349.89	237.75	53.49	-100.51	-1,366.22	88.35	7,738.53	7,639.54	98.99	78.178	
15,400.00	7,052.89	7,743.62	7,352.46	240.56	53.49	-100.62	-1,366.13	88.25	7,837.04	7,737.98	99.06	79.113	
15,500.00	7,051.73	7,746.00	7,348.84	243.38	53.48	-100.47	-1,366.26	88.39	7,935.59	7,836.45	99.14	80.047	
15,600.00	7,050.56	7,740.00	7,348.84	246.20	53.48	-100.47	-1,366.26	88.39	8,034.17	7,934.96	99.21	80.980	
15,648.52	7,050.00	7,740.00	7,348.84	247.57	53.48	-100.47	-1,366.26	88.39	8,082.02	7,982.78	99.25	81.433	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-72.92	287.82	-936.72	980.64					
100.00	100.00	60.64	60.64	3.28	3.29	-72.92	287.86	-936.76	980.00	973.42	6.57	149.097	CC, ES	
200.00	200.00	155.61	155.61	3.34	3.34	-72.90	288.23	-937.14	980.49	973.81	6.68	146.760		
300.00	300.00	252.58	252.58	3.44	3.45	-72.88	288.95	-937.85	981.41	974.51	6.90	142.294		
400.00	399.98	348.90	348.88	3.60	3.61	-164.35	289.86	-938.85	984.35	977.15	7.21	136.588		
500.00	499.84	452.94	452.92	3.80	3.82	-164.37	290.86	-939.83	990.58	982.96	7.62	130.056		
600.00	599.45	552.14	552.10	4.04	4.06	-164.42	291.62	-940.63	999.96	991.87	8.10	123.522		
682.50	681.36	633.11	633.07	4.26	4.28	-164.48	292.37	-941.34	1,010.32	1,001.79	8.54	118.339		
700.00	698.71	650.98	650.94	4.32	4.33	-164.52	292.49	-941.51	1,012.76	1,004.12	8.64	117.223		
800.00	797.82	750.72	750.67	4.62	4.62	-164.74	292.29	-942.57	1,026.56	1,017.34	9.22	111.297		
900.00	896.93	852.58	852.52	4.95	4.93	-165.04	290.88	-943.97	1,040.34	1,030.49	9.85	105.588		
1,000.00	996.04	965.13	964.98	5.30	5.29	-165.47	287.00	-945.13	1,053.25	1,042.70	10.55	99.817		
1,100.00	1,095.15	1,064.62	1,064.23	5.67	5.63	-166.02	280.23	-946.37	1,065.52	1,054.28	11.24	94.781		
1,200.00	1,194.26	1,152.91	1,152.25	6.05	5.95	-166.54	273.58	-948.10	1,078.39	1,066.47	11.92	90.465		
1,300.00	1,293.37	1,239.94	1,238.81	6.45	6.27	-167.16	265.11	-951.21	1,092.38	1,079.76	12.62	86.563		
1,400.00	1,392.48	1,327.56	1,325.58	6.85	6.62	-167.93	253.87	-955.89	1,107.51	1,094.17	13.35	82.983		
1,500.00	1,491.59	1,461.95	1,458.08	7.26	7.19	-169.27	232.46	-962.51	1,121.89	1,107.57	14.32	78.331		
1,600.00	1,590.70	1,569.27	1,563.60	7.68	7.68	-170.39	213.13	-965.31	1,133.90	1,118.69	15.21	74.563		
1,700.00	1,689.81	1,666.05	1,658.20	8.10	8.14	-171.53	193.00	-968.50	1,146.49	1,130.42	16.08	71.319		
1,800.00	1,788.92	1,810.49	1,798.20	8.53	8.89	-173.42	157.63	-971.08	1,157.63	1,140.38	17.25	67.111		
1,900.00	1,888.03	1,925.25	1,908.41	8.96	9.54	-175.05	125.67	-969.96	1,166.22	1,147.91	18.31	63.686		
2,000.00	1,987.14	2,022.13	2,000.55	9.39	10.13	-176.55	95.79	-968.56	1,174.82	1,155.50	19.32	60.807		
2,100.00	2,086.25	2,112.64	2,085.54	9.83	10.73	-178.09	64.70	-967.66	1,184.43	1,164.09	20.34	58.240		
2,200.00	2,185.36	2,180.17	2,148.14	10.27	11.21	-179.32	39.38	-967.74	1,196.03	1,174.81	21.22	56.354		
2,300.00	2,284.47	2,247.64	2,209.95	10.71	11.71	-179.38	12.39	-969.62	1,211.08	1,188.96	22.12	54.759		
2,400.00	2,383.58	2,335.91	2,290.01	11.15	12.42	-177.63	-24.62	-972.83	1,228.31	1,205.10	23.21	52.919		
2,500.00	2,482.69	2,423.44	2,369.12	11.60	13.14	-175.90	-61.98	-975.71	1,246.63	1,222.31	24.32	51.267		
2,600.00	2,581.80	2,491.03	2,430.18	12.05	13.72	-174.60	-90.80	-978.80	1,267.42	1,242.19	25.22	50.249		
2,700.00	2,680.91	2,573.75	2,504.91	12.50	14.43	-173.05	-125.97	-983.47	1,290.41	1,264.14	26.28	49.108		
2,800.00	2,780.02	2,655.79	2,578.99	12.95	15.15	-171.56	-160.86	-988.52	1,315.04	1,287.72	27.32	48.133		
2,900.00	2,879.13	2,729.56	2,645.43	13.40	15.81	-170.25	-192.50	-993.59	1,341.51	1,313.24	28.27	47.457		
3,000.00	2,978.24	2,819.14	2,725.90	13.85	16.63	-168.69	-231.27	-1,000.32	1,369.68	1,340.29	29.39	46.604		
3,100.00	3,077.35	2,915.85	2,813.10	14.30	17.51	-167.10	-272.53	-1,007.23	1,398.39	1,367.80	30.59	45.716		
3,200.00	3,176.46	3,011.20	2,899.18	14.76	18.39	-165.59	-313.05	-1,013.54	1,427.56	1,395.79	31.77	44.937		
3,300.00	3,275.57	3,115.83	2,993.93	15.21	19.36	-164.02	-356.96	-1,019.90	1,456.99	1,423.94	33.05	44.088		
3,400.00	3,374.68	3,228.05	3,096.59	15.67	20.37	-162.47	-401.93	-1,025.56	1,485.69	1,451.30	34.40	43.194		
3,500.00	3,473.79	3,320.75	3,181.20	16.12	21.21	-161.22	-439.57	-1,029.54	1,514.68	1,479.17	35.51	42.654		
3,600.00	3,572.90	3,421.06	3,273.34	16.58	22.11	-159.96	-479.01	-1,033.85	1,543.91	1,507.20	36.71	42.063		
3,700.00	3,672.01	3,508.59	3,353.74	17.04	22.90	-158.90	-513.42	-1,037.24	1,573.36	1,535.62	37.74	41.685		
3,800.00	3,771.12	3,602.43	3,439.80	17.50	23.75	-157.79	-550.66	-1,041.12	1,603.76	1,564.91	38.85	41.279		
3,900.00	3,870.23	3,696.31	3,526.23	17.95	24.59	-156.74	-587.10	-1,044.78	1,634.15	1,594.20	39.95	40.904		
4,000.00	3,969.34	3,764.21	3,588.71	18.41	25.21	-156.00	-613.54	-1,047.73	1,665.53	1,624.79	40.74	40.883		
4,100.00	4,068.45	3,821.50	3,640.99	18.87	25.74	-155.38	-636.71	-1,051.05	1,699.10	1,657.72	41.38	41.059		
4,200.00	4,167.56	3,919.43	3,729.79	19.33	26.67	-154.31	-677.62	-1,056.73	1,733.76	1,691.22	42.53	40.761		
4,300.00	4,266.67	4,008.84	3,810.57	19.79	27.53	-153.33	-715.66	-1,061.37	1,768.74	1,725.15	43.59	40.581		
4,400.00	4,365.78	4,111.56	3,903.30	20.25	28.53	-152.24	-759.61	-1,065.95	1,803.71	1,758.91	44.80	40.261		
4,500.00	4,464.89	4,222.96	4,004.36	20.71	29.59	-151.13	-806.24	-1,070.70	1,838.62	1,792.51	46.11	39.874		
4,600.00	4,564.00	4,319.69	4,092.67	21.17	30.51	-150.22	-845.58	-1,073.99	1,872.60	1,825.37	47.23	39.648		
4,700.00	4,663.11	4,415.37	4,179.68	21.63	31.42	-149.33	-885.26	-1,077.01	1,907.20	1,858.87	48.33	39.460		
4,800.00	4,762.22	4,502.62	4,259.37	22.09	32.24	-148.57	-920.66	-1,079.84	1,941.77	1,892.45	49.32	39.369		
4,900.00	4,861.33	4,592.03	4,341.42	22.56	33.06	-147.86	-955.98	-1,083.74	1,976.98	1,926.65	50.33	39.283		
5,000.00	4,960.44	4,685.95	4,428.24	23.02	33.91	-147.20	-991.43	-1,088.78	2,012.31	1,960.94	51.37	39.176		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	4,828.79	4,561.88	23.48	35.13	146.36	-1,041.10	-1,097.41	2,046.86	1,993.92	52.94	38.663		
5,200.00	5,158.66	4,963.83	4,689.56	23.94	36.22	145.66	-1,084.56	-1,104.02	2,079.16	2,024.78	54.38	38.237		
5,300.00	5,257.77	5,090.38	4,810.06	24.40	37.20	145.08	-1,122.87	-1,109.28	2,109.98	2,054.29	55.69	37.891		
5,400.00	5,356.88	5,215.53	4,930.00	24.87	38.12	144.58	-1,158.27	-1,113.92	2,139.44	2,082.49	56.95	37.567		
5,500.00	5,455.99	5,359.92	5,069.60	25.33	39.12	144.13	-1,194.74	-1,119.29	2,167.35	2,109.01	58.34	37.150		
5,600.00	5,555.10	5,503.13	5,209.27	25.79	40.03	143.80	-1,225.97	-1,124.11	2,193.05	2,133.39	59.66	36.761		
5,700.00	5,654.21	5,650.99	5,354.62	26.25	40.87	143.60	-1,252.58	-1,128.98	2,216.55	2,155.62	60.93	36.378		
5,800.00	5,753.32	5,815.97	5,517.83	26.72	41.70	143.50	-1,276.11	-1,133.76	2,237.76	2,175.52	62.23	35.957		
5,900.00	5,852.43	5,978.41	5,679.36	27.18	42.42	143.51	-1,293.08	-1,136.41	2,255.60	2,192.17	63.43	35.559		
6,000.00	5,951.54	6,075.71	5,776.24	27.64	42.83	143.54	-1,301.91	-1,137.55	2,272.42	2,208.13	64.29	35.348		
6,100.00	6,050.65	6,173.42	5,873.60	28.11	43.23	143.58	-1,310.16	-1,138.95	2,289.09	2,223.95	65.14	35.141		
6,200.00	6,149.76	6,258.86	5,958.73	28.57	43.57	143.64	-1,317.01	-1,140.92	2,306.24	2,240.31	65.93	34.981		
6,300.00	6,248.87	6,366.89	6,066.43	29.03	44.00	143.74	-1,324.91	-1,144.27	2,323.66	2,256.85	66.81	34.778		
6,400.00	6,347.98	6,507.46	6,206.75	29.50	44.51	143.93	-1,332.02	-1,148.56	2,339.79	2,271.97	67.82	34.500		
6,475.54	6,422.84	6,604.74	6,303.95	29.85	44.82	144.10	-1,334.85	-1,151.27	2,350.90	2,282.39	68.51	34.315		
6,500.00	6,447.14	6,633.22	6,332.41	29.96	44.90	142.93	-1,335.33	-1,152.11	2,353.98	2,285.26	68.71	34.258		
6,550.00	6,497.05	6,691.35	6,390.51	30.17	45.07	122.11	-1,335.82	-1,153.97	2,357.68	2,288.57	69.11	34.113		
6,600.00	6,547.02	6,748.82	6,447.95	30.37	45.23	-24.79	-1,335.69	-1,155.99	2,357.89	2,288.42	69.47	33.940		
6,650.00	6,596.75	6,807.16	6,506.23	30.55	45.37	-28.99	-1,335.02	-1,158.17	2,354.61	2,284.81	69.80	33.735		
6,700.00	6,645.93	6,871.32	6,570.34	30.74	45.53	-30.54	-1,333.75	-1,160.59	2,347.83	2,277.71	70.12	33.484		
6,750.00	6,694.25	6,952.69	6,651.62	30.93	45.71	-31.79	-1,331.11	-1,163.30	2,337.26	2,266.80	70.45	33.174		
6,800.00	6,741.43	7,001.80	6,700.70	31.12	45.82	-33.01	-1,329.73	-1,164.40	2,323.21	2,252.51	70.70	32.861		
6,850.00	6,787.16	7,049.36	6,748.25	31.32	45.94	-34.41	-1,328.97	-1,164.96	2,306.02	2,235.09	70.93	32.513		
6,900.00	6,831.16	7,090.93	6,789.82	31.52	46.06	-36.03	-1,329.00	-1,165.01	2,285.94	2,214.80	71.13	32.137		
6,950.00	6,873.17	7,131.40	6,830.28	31.74	46.17	-37.94	-1,329.65	-1,164.68	2,263.15	2,191.83	71.32	31.734		
7,000.00	6,912.92	7,172.47	6,871.35	31.96	46.30	-40.19	-1,330.35	-1,164.30	2,237.79	2,166.29	71.50	31.299		
7,050.00	6,950.18	7,211.03	6,909.89	32.21	46.42	-42.82	-1,330.88	-1,164.01	2,210.03	2,138.37	71.66	30.841		
7,100.00	6,984.70	7,234.98	6,933.85	32.48	46.49	-45.62	-1,331.13	-1,163.95	2,180.21	2,108.44	71.77	30.379		
7,150.00	7,016.29	7,258.11	6,956.97	32.77	46.55	-48.83	-1,331.32	-1,164.05	2,148.59	2,076.72	71.87	29.896		
7,200.00	7,044.73	7,279.33	6,978.19	33.10	46.62	-52.46	-1,331.45	-1,164.27	2,115.39	2,043.43	71.96	29.396		
7,250.00	7,069.86	7,298.95	6,997.81	33.46	46.67	-56.53	-1,331.53	-1,164.60	2,080.82	2,008.77	72.05	28.880		
7,300.00	7,091.53	7,321.08	7,019.94	33.86	46.74	-61.17	-1,331.60	-1,165.02	2,045.11	1,972.96	72.15	28.345		
7,350.00	7,109.59	7,339.74	7,038.59	34.30	46.79	-66.19	-1,331.65	-1,165.39	2,008.48	1,936.23	72.25	27.799		
7,400.00	7,123.94	7,354.80	7,053.65	34.78	46.84	-71.47	-1,331.69	-1,165.69	1,971.22	1,898.87	72.36	27.243		
7,450.00	7,134.49	7,366.17	7,065.02	35.29	46.87	-76.90	-1,331.72	-1,165.92	1,933.63	1,861.15	72.47	26.681		
7,500.00	7,141.18	7,373.76	7,072.61	35.84	46.89	-82.31	-1,331.73	-1,166.08	1,895.98	1,823.38	72.60	26.115		
7,550.00	7,143.95	7,377.52	7,076.37	36.42	46.90	-87.55	-1,331.74	-1,166.15	1,858.56	1,785.82	72.74	25.550		
7,567.79	7,144.00	7,377.93	7,076.77	36.63	46.90	-89.34	-1,331.74	-1,166.16	1,845.35	1,772.55	72.80	25.349		
7,600.00	7,143.62	7,378.22	7,077.06	37.03	46.90	-89.35	-1,331.74	-1,166.17	1,821.64	1,748.73	72.91	24.986		
7,700.00	7,142.46	7,379.12	7,077.96	38.38	46.91	-89.39	-1,331.75	-1,166.19	1,749.74	1,676.37	73.37	23.849		
7,800.00	7,141.29	7,380.02	7,078.87	39.88	46.91	-89.43	-1,331.75	-1,166.21	1,680.71	1,606.69	74.03	22.704		
7,900.00	7,140.13	7,380.93	7,079.77	41.53	46.91	-89.48	-1,331.75	-1,166.23	1,614.93	1,540.03	74.90	21.561		
8,000.00	7,138.97	7,381.84	7,080.69	43.30	46.91	-89.52	-1,331.75	-1,166.24	1,552.81	1,476.80	76.01	20.428		
8,100.00	7,137.80	7,382.76	7,081.60	45.18	46.92	-89.56	-1,331.75	-1,166.26	1,494.81	1,417.43	77.38	19.318		
8,200.00	7,136.64	7,383.68	7,082.52	47.16	46.92	-89.60	-1,331.76	-1,166.28	1,441.41	1,362.40	79.00	18.245		
8,300.00	7,135.48	7,384.60	7,083.45	49.22	46.92	-89.65	-1,331.76	-1,166.30	1,393.15	1,312.26	80.89	17.223		
8,400.00	7,134.32	7,385.53	7,084.37	51.36	46.92	-89.69	-1,331.76	-1,166.32	1,350.58	1,267.55	83.04	16.265		
8,500.00	7,133.15	7,386.52	7,085.36	53.56	46.93	-89.73	-1,331.76	-1,166.34	1,314.26	1,228.84	85.42	15.386		
8,600.00	7,131.99	7,387.58	7,086.42	55.82	46.93	-89.78	-1,331.76	-1,166.36	1,284.71	1,196.71	88.01	14.598		
8,700.00	7,130.83	7,388.64	7,087.48	58.13	46.93	-89.83	-1,331.77	-1,166.39	1,262.41	1,171.66	90.75	13.910		
8,800.00	7,129.66	7,389.72	7,088.56	60.49	46.94	-89.88	-1,331.77	-1,166.41	1,247.75	1,154.15	93.60	13.330		
8,900.00	7,128.50	7,390.81	7,089.65	62.89	46.94	-89.93	-1,331.77	-1,166.43	1,241.00	1,144.53	96.48	12.863		

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 33C-6-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 33C-6-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		
8,934.01	7,128.10	7,391.18	7,090.02	63.72	46.94	-89.95	-1,331.77	-1,166.44	1,240.54	1,143.09	97.45	12.730		
9,000.00	7,127.34	7,391.91	7,090.75	65.32	46.94	-89.98	-1,331.77	-1,166.45	1,242.29	1,143.00	99.29	12.511		
9,100.00	7,126.17	7,393.02	7,091.86	67.79	46.95	-90.03	-1,331.77	-1,166.48	1,251.59	1,149.62	101.97	12.274		
9,200.00	7,125.01	7,394.14	7,092.98	70.28	46.95	-90.09	-1,331.77	-1,166.50	1,268.73	1,164.31	104.43	12.150		
9,300.00	7,123.85	7,395.28	7,094.12	72.80	46.95	-90.14	-1,331.78	-1,166.53	1,293.39	1,186.79	106.61	12.132 SF		
9,400.00	7,122.68	7,396.43	7,095.27	75.34	46.96	-90.19	-1,331.78	-1,166.55	1,325.16	1,216.68	108.48	12.215		
9,500.00	7,121.52	7,397.59	7,096.43	77.91	46.96	-90.25	-1,331.78	-1,166.58	1,363.54	1,253.50	110.04	12.391		
9,600.00	7,120.36	7,398.77	7,097.61	80.49	46.96	-90.30	-1,331.78	-1,166.60	1,407.99	1,296.70	111.28	12.652		
9,700.00	7,119.19	7,399.95	7,098.79	83.09	46.97	-90.36	-1,331.78	-1,166.63	1,457.95	1,345.71	112.23	12.990		
9,800.00	7,118.03	7,401.15	7,099.99	85.70	46.97	-90.41	-1,331.78	-1,166.65	1,512.87	1,399.95	112.93	13.397		
9,900.00	7,116.87	7,402.37	7,101.21	88.33	46.97	-90.47	-1,331.78	-1,166.68	1,572.25	1,458.85	113.40	13.865		
10,000.00	7,115.70	7,403.60	7,102.44	90.98	46.98	-90.52	-1,331.78	-1,166.71	1,635.58	1,521.91	113.67	14.388		
10,100.00	7,114.54	7,404.84	7,103.68	93.63	46.98	-90.58	-1,331.78	-1,166.73	1,702.44	1,588.64	113.80	14.960		
10,200.00	7,113.38	7,406.10	7,104.93	96.29	46.98	-90.64	-1,331.78	-1,166.76	1,772.42	1,658.63	113.80	15.576		
10,300.00	7,112.21	7,407.37	7,106.20	98.97	46.99	-90.70	-1,331.78	-1,166.79	1,845.17	1,731.47	113.69	16.229		
10,400.00	7,111.05	7,408.65	7,107.49	101.65	46.99	-90.76	-1,331.78	-1,166.82	1,920.37	1,806.85	113.51	16.917		
10,500.00	7,109.89	7,409.95	7,108.79	104.34	46.99	-90.82	-1,331.78	-1,166.84	1,997.74	1,884.46	113.28	17.636		
10,600.00	7,108.72	7,411.27	7,110.11	107.04	47.00	-90.88	-1,331.78	-1,166.87	2,077.05	1,964.05	113.00	18.382		
10,700.00	7,107.56	7,412.60	7,111.44	109.75	47.00	-90.94	-1,331.78	-1,166.90	2,158.07	2,045.39	112.68	19.152		
10,800.00	7,106.40	7,413.95	7,112.78	112.47	47.00	-91.00	-1,331.78	-1,166.93	2,240.63	2,128.28	112.35	19.943		
10,900.00	7,105.24	7,415.31	7,114.15	115.19	47.01	-91.06	-1,331.78	-1,166.96	2,324.56	2,212.56	112.00	20.755		
11,000.00	7,104.07	7,416.69	7,115.53	117.91	47.01	-91.13	-1,331.78	-1,166.99	2,409.72	2,298.07	111.65	21.583		
11,100.00	7,102.91	7,418.09	7,116.92	120.64	47.02	-91.19	-1,331.77	-1,167.02	2,495.97	2,384.68	111.29	22.428		
11,200.00	7,101.75	7,419.50	7,118.34	123.38	47.02	-91.26	-1,331.77	-1,167.06	2,583.22	2,472.29	110.93	23.286		
11,300.00	7,100.58	7,420.93	7,119.77	126.12	47.02	-91.32	-1,331.77	-1,167.09	2,671.36	2,560.78	110.58	24.157		
11,400.00	7,099.42	7,422.38	7,121.22	128.87	47.03	-91.39	-1,331.77	-1,167.12	2,760.31	2,650.07	110.24	25.040		
11,500.00	7,098.26	7,423.85	7,122.68	131.62	47.03	-91.46	-1,331.76	-1,167.15	2,849.99	2,740.09	109.90	25.933		
11,600.00	7,097.09	7,425.33	7,124.17	134.37	47.04	-91.53	-1,331.76	-1,167.19	2,940.33	2,830.77	109.57	26.836		
11,700.00	7,095.93	7,426.84	7,125.67	137.13	47.04	-91.60	-1,331.76	-1,167.22	3,031.28	2,922.04	109.25	27.747		
11,800.00	7,094.77	7,428.36	7,127.19	139.89	47.04	-91.67	-1,331.75	-1,167.26	3,122.79	3,013.85	108.94	28.666		
11,900.00	7,093.60	7,429.90	7,128.73	142.65	47.05	-91.74	-1,331.75	-1,167.29	3,214.80	3,106.16	108.64	29.592		
12,000.00	7,092.44	7,431.46	7,130.29	145.42	47.05	-91.81	-1,331.75	-1,167.33	3,307.27	3,198.92	108.35	30.524		
12,100.00	7,091.28	7,433.04	7,131.87	148.19	47.06	-91.88	-1,331.74	-1,167.37	3,400.17	3,292.10	108.07	31.462		
12,200.00	7,090.11	7,434.64	7,133.47	150.96	47.06	-91.96	-1,331.74	-1,167.40	3,493.46	3,385.66	107.80	32.406		
12,300.00	7,088.95	7,436.27	7,135.10	153.74	47.07	-92.03	-1,331.73	-1,167.44	3,587.11	3,479.56	107.55	33.354		
12,400.00	7,087.79	7,437.91	7,136.74	156.52	47.07	-92.11	-1,331.73	-1,167.48	3,681.10	3,573.79	107.30	34.306		
12,500.00	7,086.62	7,439.58	7,138.41	159.30	47.08	-92.18	-1,331.72	-1,167.52	3,775.39	3,668.32	107.06	35.263		
12,600.00	7,085.46	7,441.26	7,140.09	162.08	47.08	-92.26	-1,331.71	-1,167.56	3,869.97	3,763.13	106.84	36.223		
12,700.00	7,084.30	7,442.97	7,141.80	164.86	47.09	-92.34	-1,331.71	-1,167.60	3,964.81	3,858.19	106.62	37.186		
12,800.00	7,083.13	7,444.71	7,143.54	167.65	47.09	-92.42	-1,331.70	-1,167.64	4,059.90	3,953.49	106.41	38.152		
12,900.00	7,081.97	7,446.47	7,145.29	170.44	47.10	-92.50	-1,331.69	-1,167.68	4,155.23	4,049.01	106.21	39.121		
13,000.00	7,080.81	7,448.25	7,147.07	173.23	47.10	-92.58	-1,331.68	-1,167.72	4,250.76	4,144.74	106.02	40.092		
13,100.00	7,079.64	7,450.05	7,148.88	176.02	47.11	-92.67	-1,331.68	-1,167.77	4,346.50	4,240.66	105.84	41.065		
13,200.00	7,078.48	7,451.88	7,150.71	178.81	47.11	-92.75	-1,331.67	-1,167.81	4,442.42	4,336.75	105.67	42.041		
13,300.00	7,077.32	7,453.74	7,152.56	181.61	47.12	-92.84	-1,331.66	-1,167.86	4,538.52	4,433.02	105.50	43.018		
13,400.00	7,076.16	7,455.62	7,154.45	184.40	47.12	-92.92	-1,331.65	-1,167.90	4,634.79	4,529.44	105.35	43.996		
13,500.00	7,074.99	7,457.53	7,156.35	187.20	47.13	-93.01	-1,331.64	-1,167.95	4,731.20	4,626.01	105.19	44.976		
13,600.00	7,073.83	7,459.47	7,158.29	190.00	47.13	-93.10	-1,331.63	-1,168.00	4,827.77	4,722.72	105.05	45.956		
13,700.00	7,072.67	7,461.43	7,160.25	192.80	47.14	-93.19	-1,331.62	-1,168.04	4,924.47	4,819.55	104.91	46.938		
13,800.00	7,071.50	7,463.42	7,162.24	195.60	47.14	-93.28	-1,331.60	-1,168.09	5,021.30	4,916.51	104.78	47.921		
13,900.00	7,070.34	7,465.44	7,164.26	198.41	47.15	-93.38	-1,331.59	-1,168.14	5,118.25	5,013.59	104.66	48.904		
14,000.00	7,069.18	7,467.49	7,166.31	201.21	47.15	-93.47	-1,331.58	-1,168.19	5,215.31	5,110.77	104.54	49.888		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,100.00	7,068.01	7,469.57	7,168.39	204.02	47.16	-93.57	-1,331.56	-1,168.25	5,312.49	5,208.06	104.43	50.872		
14,200.00	7,066.85	7,471.69	7,170.51	206.82	47.17	-93.66	-1,331.55	-1,168.30	5,409.76	5,305.44	104.32	51.857		
14,300.00	7,065.69	7,478.13	7,176.95	209.63	47.18	-93.96	-1,331.50	-1,168.46	5,507.14	5,402.91	104.22	52.840		
14,400.00	7,064.52	7,493.78	7,192.59	212.44	47.22	-94.68	-1,331.34	-1,168.88	5,604.60	5,500.46	104.14	53.819		
14,500.00	7,063.36	7,513.91	7,212.72	215.25	47.28	-95.60	-1,331.04	-1,169.46	5,702.14	5,598.08	104.06	54.796		
14,600.00	7,062.20	7,540.79	7,239.57	218.06	47.35	-96.83	-1,330.49	-1,170.31	5,799.76	5,695.77	103.99	55.772		
14,700.00	7,061.03	14,700.00	7,218.71	220.87	66.32	-95.88	-1,330.71	-1,169.75	5,897.32	5,774.62	122.70	48.061		
14,800.00	7,059.87	14,800.00	7,220.52	223.68	66.59	-95.96	-1,330.67	-1,169.81	5,995.10	5,872.23	122.87	48.791		
14,900.00	7,058.71	7,565.61	7,264.37	226.49	47.41	-97.97	-1,329.84	-1,171.17	6,093.06	5,989.29	103.77	58.718		
15,000.00	7,057.54	7,567.90	7,266.66	229.30	47.42	-98.07	-1,329.77	-1,171.25	6,190.96	6,087.26	103.70	59.702		
15,100.00	7,056.38	7,570.20	7,268.95	232.12	47.42	-98.17	-1,329.71	-1,171.33	6,288.93	6,185.30	103.63	60.684		
15,200.00	7,055.22	7,572.49	7,271.24	234.93	47.43	-98.28	-1,329.64	-1,171.41	6,386.96	6,283.39	103.57	61.667		
15,300.00	7,054.05	7,574.78	7,273.53	237.75	47.43	-98.38	-1,329.58	-1,171.50	6,485.06	6,381.54	103.52	62.648		
15,400.00	7,052.89	7,577.08	7,275.82	240.56	47.44	-98.49	-1,329.51	-1,171.58	6,583.20	6,479.74	103.46	63.630		
15,500.00	7,051.73	7,579.37	7,278.11	243.38	47.44	-98.59	-1,329.45	-1,171.66	6,681.41	6,577.99	103.41	64.610		
15,600.00	7,050.56	7,581.66	7,280.41	246.20	47.45	-98.70	-1,329.38	-1,171.74	6,779.66	6,676.29	103.36	65.590		
15,648.52	7,050.00	7,582.78	7,281.52	247.57	47.45	-98.75	-1,329.35	-1,171.78	6,827.35	6,724.01	103.34	66.065		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-69.97	348.66	-956.20	1,018.49					
100.00	100.00	59.88	59.88	3.28	3.29	-69.97	348.66	-956.25	1,017.83	1,011.26	6.57	154.859 CC, ES		
200.00	200.00	155.28	155.28	3.34	3.34	-69.97	348.72	-956.67	1,018.27	1,011.59	6.68	152.423		
300.00	300.00	256.69	256.68	3.44	3.45	-69.92	349.75	-956.95	1,018.87	1,011.97	6.90	147.677		
400.00	399.98	347.83	347.76	3.60	3.60	-161.27	352.82	-956.79	1,021.52	1,014.32	7.20	141.911		
500.00	499.84	442.54	442.27	3.80	3.79	-160.98	359.00	-956.14	1,028.10	1,020.51	7.59	135.472		
600.00	599.45	532.79	532.03	4.04	4.01	-160.55	368.25	-954.92	1,038.68	1,030.63	8.05	128.981		
682.50	681.36	606.07	604.62	4.26	4.22	-160.09	378.19	-953.64	1,050.59	1,042.10	8.49	123.745		
700.00	698.71	621.17	619.54	4.32	4.27	-160.00	380.50	-953.35	1,053.43	1,044.85	8.59	122.640		
800.00	797.82	705.11	702.27	4.62	4.55	-159.46	394.61	-951.94	1,070.54	1,061.37	9.17	116.793		
900.00	896.93	797.64	793.18	4.95	4.91	-158.81	411.75	-950.60	1,088.64	1,078.81	9.83	110.748		
1,000.00	996.04	897.13	890.70	5.30	5.32	-158.07	431.37	-948.98	1,107.19	1,096.62	10.57	104.770		
1,100.00	1,095.15	991.76	983.06	5.67	5.76	-157.29	451.84	-946.47	1,125.78	1,114.43	11.35	99.230		
1,200.00	1,194.26	1,080.45	1,069.10	6.05	6.21	-156.46	473.18	-943.56	1,145.04	1,132.90	12.14	94.315		
1,300.00	1,293.37	1,164.68	1,150.20	6.45	6.68	-155.59	495.67	-940.45	1,165.37	1,152.42	12.95	89.963		
1,400.00	1,392.48	1,236.09	1,218.35	6.85	7.11	-154.77	516.87	-937.98	1,187.59	1,173.86	13.72	86.540		
1,500.00	1,491.59	1,323.76	1,301.21	7.26	7.67	-153.70	545.33	-934.99	1,211.52	1,196.89	14.63	82.819		
1,600.00	1,590.70	1,406.70	1,379.19	7.68	8.24	-152.66	573.42	-932.07	1,236.54	1,221.01	15.53	79.643		
1,700.00	1,689.81	1,497.01	1,464.12	8.10	8.88	-151.59	604.02	-929.55	1,262.63	1,246.14	16.49	76.582		
1,800.00	1,788.92	1,594.54	1,556.20	8.53	9.56	-150.52	636.10	-927.37	1,289.12	1,271.61	17.51	73.635		
1,900.00	1,888.03	1,688.67	1,645.36	8.96	10.23	-149.58	666.24	-925.60	1,315.80	1,297.30	18.50	71.127		
2,000.00	1,987.14	1,785.19	1,737.21	9.39	10.91	-148.71	695.86	-924.44	1,342.64	1,323.14	19.50	68.845		
2,100.00	2,086.25	1,862.13	1,810.55	9.83	11.44	-148.08	719.14	-924.34	1,370.35	1,350.01	20.34	67.361		
2,200.00	2,185.36	1,973.55	1,916.64	10.27	12.23	-147.18	753.14	-924.21	1,398.47	1,377.01	21.47	65.146		
2,300.00	2,284.47	2,102.30	2,040.01	10.71	13.12	-146.25	789.95	-922.57	1,424.76	1,402.04	22.72	62.705		
2,400.00	2,383.58	2,203.41	2,137.10	11.15	13.81	-145.55	818.08	-920.11	1,449.93	1,426.17	23.76	61.030		
2,500.00	2,482.69	2,326.00	2,255.07	11.60	14.64	-144.75	851.17	-916.57	1,474.48	1,449.52	24.96	59.085		
2,600.00	2,581.80	2,423.89	2,349.67	12.05	15.28	-144.17	876.10	-913.19	1,497.82	1,471.86	25.95	57.713		
2,700.00	2,680.91	2,497.92	2,421.04	12.50	15.78	-143.73	895.64	-911.11	1,522.32	1,495.55	26.77	56.868		
2,800.00	2,780.02	2,587.93	2,507.43	12.95	16.41	-143.17	920.76	-908.20	1,547.61	1,519.88	27.72	55.821		
2,900.00	2,879.13	2,654.92	2,571.18	13.40	16.89	-142.69	941.17	-905.66	1,574.23	1,545.74	28.50	55.243		
3,000.00	2,978.24	2,723.35	2,635.75	13.85	17.42	-142.17	963.68	-903.15	1,602.69	1,573.40	29.29	54.725		
3,100.00	3,077.35	2,822.24	2,728.88	14.30	18.19	-141.44	996.83	-900.27	1,632.32	1,601.96	30.35	53.777		
3,200.00	3,176.46	2,920.29	2,822.03	14.76	18.92	-140.84	1,027.39	-898.57	1,661.45	1,630.05	31.39	52.924		
3,300.00	3,275.57	3,017.26	2,914.38	15.21	19.63	-140.29	1,056.92	-897.38	1,690.64	1,658.23	32.41	52.161		
3,400.00	3,374.68	3,129.26	3,021.51	15.67	20.44	-139.73	1,089.56	-896.32	1,719.27	1,685.71	33.55	51.240		
3,500.00	3,473.79	3,229.92	3,118.06	16.12	21.15	-139.28	1,118.02	-895.58	1,747.60	1,713.02	34.59	50.530		
3,600.00	3,572.90	3,338.14	3,221.88	16.58	21.91	-138.78	1,148.53	-893.83	1,775.34	1,739.66	35.68	49.752		
3,700.00	3,672.01	3,432.42	3,312.53	17.04	22.56	-138.39	1,174.39	-892.53	1,802.83	1,766.18	36.65	49.185		
3,800.00	3,771.12	3,571.44	3,447.05	17.50	23.48	-137.93	1,209.40	-891.92	1,829.60	1,791.63	37.98	48.179		
3,900.00	3,870.23	3,675.60	3,548.34	17.95	24.15	-137.63	1,233.67	-890.85	1,854.64	1,815.65	38.99	47.563		
4,000.00	3,969.34	3,760.32	3,630.48	18.41	24.70	-137.36	1,254.35	-889.36	1,879.99	1,840.13	39.87	47.158		
4,100.00	4,068.45	3,845.58	3,712.96	18.87	25.26	-137.08	1,275.92	-887.94	1,906.05	1,865.31	40.74	46.785		
4,200.00	4,167.56	3,949.39	3,813.89	19.33	25.92	-136.84	1,300.15	-888.49	1,932.34	1,890.59	41.75	46.283		
4,300.00	4,266.67	4,333.02	4,193.31	19.79	27.78	-136.70	1,352.08	-885.20	1,950.22	1,905.93	44.29	44.037		
4,400.00	4,365.78	4,429.38	4,289.58	20.25	28.11	-136.86	1,355.73	-883.86	1,961.62	1,916.52	45.10	43.493		
4,500.00	4,464.89	4,556.72	4,416.91	20.71	28.50	-137.17	1,357.54	-884.22	1,972.59	1,926.60	45.99	42.892		
4,600.00	4,564.00	4,658.69	4,518.87	21.17	28.79	-137.47	1,357.11	-885.33	1,982.90	1,936.13	46.78	42.391		
4,700.00	4,663.11	4,767.37	4,627.51	21.63	29.07	-137.83	1,355.09	-887.43	1,992.90	1,945.33	47.57	41.893		
4,800.00	4,762.22	4,869.94	4,730.05	22.09	29.35	-138.17	1,353.00	-889.13	2,002.64	1,954.30	48.35	41.421		
4,900.00	4,861.33	4,963.67	4,823.75	22.56	29.60	-138.46	1,351.59	-890.19	2,012.43	1,963.32	49.11	40.979		
5,000.00	4,960.44	5,056.25	4,916.32	23.02	29.86	-138.74	1,350.51	-891.38	2,022.61	1,972.74	49.87	40.556		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,150.32	5,010.38	23.48	30.14	-139.01	1,349.77	-892.60	2,033.10	1,982.46	50.64	40.147		
5,200.00	5,158.66	5,237.71	5,097.76	23.94	30.40	-139.26	1,349.49	-893.83	2,044.03	1,992.63	51.40	39.768		
5,300.00	5,257.77	5,327.01	5,187.05	24.40	30.68	-139.50	1,349.66	-895.34	2,055.56	2,003.40	52.16	39.406		
5,400.00	5,356.88	5,419.61	5,279.63	24.87	30.97	-139.75	1,350.11	-897.10	2,067.48	2,014.54	52.94	39.051		
5,500.00	5,455.99	5,523.47	5,383.47	25.33	31.30	-140.02	1,350.69	-899.05	2,079.48	2,025.71	53.77	38.677		
5,600.00	5,555.10	5,619.38	5,479.36	25.79	31.61	-140.27	1,351.11	-900.82	2,091.40	2,036.84	54.56	38.333		
5,700.00	5,654.21	5,711.99	5,571.95	26.25	31.91	-140.52	1,351.29	-903.05	2,103.65	2,048.31	55.34	38.013		
5,800.00	5,753.32	5,806.05	5,665.98	26.72	32.22	-140.77	1,351.87	-905.31	2,116.19	2,060.06	56.13	37.702		
5,900.00	5,852.43	5,896.44	5,766.34	27.18	32.52	-140.99	1,352.90	-907.41	2,129.06	2,072.15	56.91	37.412		
6,000.00	5,951.54	6,000.38	5,860.24	27.64	32.88	-141.24	1,354.24	-910.13	2,142.30	2,084.55	57.75	37.099		
6,100.00	6,050.65	6,123.97	5,963.81	28.11	33.30	-141.52	1,355.48	-911.85	2,154.39	2,095.73	58.67	36.724		
6,200.00	6,149.76	6,215.08	6,074.90	28.57	33.62	-141.72	1,356.38	-912.90	2,166.38	2,106.92	59.46	36.436		
6,300.00	6,248.87	6,300.28	6,160.08	29.03	33.92	-141.91	1,357.47	-914.21	2,178.87	2,118.65	60.22	36.179		
6,400.00	6,347.98	6,388.28	6,248.05	29.50	34.23	-142.10	1,359.05	-915.92	2,192.02	2,131.02	61.00	35.933		
6,475.54	6,422.84	6,460.82	6,320.56	29.85	34.49	-142.25	1,360.49	-917.44	2,202.15	2,140.53	61.62	35.737		
6,500.00	6,447.14	6,484.37	6,344.11	29.96	34.58	-143.83	1,360.97	-917.94	2,205.10	2,143.28	61.82	35.671		
6,550.00	6,497.05	6,561.06	6,420.77	30.17	34.85	-165.16	1,362.21	-919.27	2,208.66	2,146.32	62.34	35.432		
6,600.00	6,547.02	6,640.28	6,499.99	30.37	35.13	47.96	1,362.69	-919.97	2,208.58	2,145.75	62.83	35.151		
6,650.00	6,596.75	6,702.24	6,561.95	30.55	35.34	44.27	1,362.85	-920.00	2,205.10	2,141.87	63.23	34.875		
6,700.00	6,645.93	6,766.21	6,625.91	30.74	35.56	43.75	1,362.95	-919.53	2,198.35	2,134.73	63.62	34.554		
6,750.00	6,694.25	6,809.29	6,668.99	30.93	35.71	44.02	1,363.01	-919.12	2,188.65	2,124.73	63.92	34.238		
6,800.00	6,741.43	6,853.32	6,713.02	31.12	35.86	44.78	1,363.09	-918.76	2,176.24	2,112.02	64.22	33.887		
6,850.00	6,787.16	6,896.21	6,755.91	31.32	36.00	45.92	1,363.20	-918.46	2,161.24	2,096.74	64.50	33.507		
6,900.00	6,831.16	6,940.03	6,799.73	31.52	36.16	47.42	1,363.33	-918.18	2,143.74	2,078.96	64.78	33.094		
6,950.00	6,873.17	6,981.83	6,841.53	31.74	36.30	49.25	1,363.44	-917.91	2,123.88	2,058.84	65.04	32.655		
7,000.00	6,912.92	7,021.36	6,881.06	31.96	36.44	51.42	1,363.55	-917.66	2,101.84	2,036.55	65.29	32.192		
7,050.00	6,950.18	7,054.72	6,914.42	32.21	36.55	53.85	1,363.66	-917.47	2,077.87	2,012.35	65.52	31.713		
7,100.00	6,984.70	7,084.85	6,944.54	32.48	36.66	56.58	1,363.78	-917.36	2,052.22	1,986.47	65.75	31.213		
7,150.00	7,016.29	7,112.51	6,972.20	32.77	36.76	59.60	1,363.91	-917.31	2,025.12	1,959.15	65.98	30.695		
7,200.00	7,044.73	7,137.53	6,997.23	33.10	36.85	62.89	1,364.05	-917.31	1,996.81	1,930.60	66.21	30.159		
7,250.00	7,069.86	7,159.75	7,019.45	33.46	36.93	66.42	1,364.18	-917.35	1,967.52	1,901.06	66.46	29.606		
7,300.00	7,091.53	7,182.54	7,042.23	33.86	37.01	70.22	1,364.33	-917.40	1,937.50	1,870.77	66.73	29.033		
7,350.00	7,109.59	7,201.70	7,061.39	34.30	37.08	74.14	1,364.45	-917.43	1,907.00	1,839.97	67.03	28.449		
7,400.00	7,123.94	7,216.89	7,076.59	34.78	37.13	78.06	1,364.54	-917.45	1,876.30	1,808.94	67.35	27.857		
7,450.00	7,134.49	7,228.04	7,087.73	35.29	37.17	81.90	1,364.60	-917.45	1,845.67	1,777.97	67.70	27.262		
7,500.00	7,141.18	7,235.09	7,094.78	35.84	37.20	85.57	1,364.64	-917.46	1,815.38	1,747.30	68.08	26.666		
7,550.00	7,143.95	7,238.01	7,097.70	36.42	37.21	89.00	1,364.66	-917.46	1,785.70	1,717.21	68.48	26.075		
7,567.79	7,144.00	7,238.06	7,097.75	36.63	37.21	90.15	1,364.66	-917.46	1,775.32	1,706.69	68.63	25.867		
7,600.00	7,143.62	7,237.66	7,097.36	37.03	37.21	90.13	1,364.66	-917.46	1,756.84	1,687.92	68.92	25.491		
7,700.00	7,142.46	7,236.45	7,096.15	38.38	37.20	90.08	1,364.65	-917.46	1,702.07	1,632.09	69.97	24.324		
7,800.00	7,141.29	7,235.25	7,094.94	39.88	37.20	90.04	1,364.64	-917.46	1,651.54	1,580.27	71.26	23.175		
7,900.00	7,140.13	7,234.06	7,093.75	41.53	37.19	89.99	1,364.64	-917.46	1,605.65	1,532.87	72.78	22.060		
8,000.00	7,138.97	7,232.87	7,092.56	43.30	37.19	89.94	1,364.63	-917.46	1,564.82	1,490.29	74.52	20.998		
8,100.00	7,137.80	7,231.69	7,091.38	45.18	37.19	89.90	1,364.62	-917.45	1,529.44	1,452.98	76.46	20.004		
8,200.00	7,136.64	7,230.51	7,090.20	47.16	37.18	89.85	1,364.62	-917.45	1,499.91	1,421.35	78.55	19.094		
8,300.00	7,135.48	7,229.34	7,089.04	49.22	37.18	89.80	1,364.61	-917.45	1,476.57	1,395.80	80.77	18.282		
8,400.00	7,134.32	7,228.18	7,087.88	51.36	37.17	89.76	1,364.60	-917.45	1,459.72	1,376.67	83.05	17.577		
8,500.00	7,133.15	7,227.03	7,086.72	53.56	37.17	89.71	1,364.60	-917.45	1,449.58	1,364.23	85.35	16.984		
8,597.40	7,132.02	7,225.91	7,085.61	55.76	37.16	89.67	1,364.59	-917.45	1,446.31	1,358.74	87.56	16.517		
8,600.00	7,131.99	7,225.88	7,085.58	55.82	37.16	89.67	1,364.59	-917.45	1,446.31	1,358.69	87.62	16.506		
8,700.00	7,130.83	7,224.74	7,084.44	58.13	37.16	89.62	1,364.58	-917.45	1,449.94	1,360.13	89.81	16.145		
8,800.00	7,129.66	7,223.61	7,083.30	60.49	37.16	89.58	1,364.58	-917.45	1,460.43	1,368.56	91.87	15.896		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,900.00	7,128.50	7,222.48	7,082.18	62.89	37.15	89.53	1,364.57	-917.45	1,477.62	1,383.84	93.78	15.757		
9,000.00	7,127.34	7,221.36	7,081.06	65.32	37.15	89.49	1,364.56	-917.45	1,501.29	1,405.79	95.50	15.721 SF		
9,100.00	7,126.17	7,220.25	7,079.94	67.79	37.14	89.44	1,364.56	-917.45	1,531.14	1,434.12	97.02	15.782		
9,200.00	7,125.01	7,219.14	7,078.84	70.28	37.14	89.40	1,364.55	-917.45	1,566.81	1,468.47	98.34	15.933		
9,300.00	7,123.85	7,218.04	7,077.73	72.80	37.14	89.35	1,364.55	-917.45	1,607.91	1,508.45	99.46	16.166		
9,400.00	7,122.68	7,216.95	7,076.64	75.34	37.13	89.31	1,364.54	-917.45	1,654.05	1,553.66	100.39	16.476		
9,500.00	7,121.52	7,215.86	7,075.55	77.91	37.13	89.27	1,364.53	-917.44	1,704.81	1,603.67	101.15	16.855		
9,600.00	7,120.36	7,214.78	7,074.47	80.49	37.12	89.23	1,364.53	-917.44	1,759.80	1,658.05	101.75	17.296		
9,700.00	7,119.19	7,213.70	7,073.39	83.09	37.12	89.18	1,364.52	-917.44	1,818.62	1,716.41	102.21	17.794		
9,800.00	7,118.03	7,212.63	7,072.32	85.70	37.12	89.14	1,364.51	-917.44	1,880.92	1,778.38	102.55	18.342		
9,900.00	7,116.87	7,211.57	7,071.26	88.33	37.11	89.10	1,364.51	-917.44	1,946.37	1,843.59	102.78	18.937		
10,000.00	7,115.70	7,210.51	7,070.20	90.98	37.11	89.06	1,364.50	-917.44	2,014.66	1,911.73	102.93	19.574		
10,100.00	7,114.54	7,209.46	7,069.15	93.63	37.11	89.01	1,364.49	-917.44	2,085.50	1,982.50	103.00	20.248		
10,200.00	7,113.38	7,208.41	7,068.11	96.29	37.10	88.97	1,364.49	-917.44	2,158.66	2,055.65	103.01	20.955		
10,300.00	7,112.21	7,207.37	7,067.07	98.97	37.10	88.93	1,364.48	-917.44	2,233.90	2,130.92	102.98	21.693		
10,400.00	7,111.05	7,206.34	7,066.03	101.65	37.09	88.89	1,364.48	-917.43	2,311.01	2,208.11	102.90	22.459		
10,500.00	7,109.89	7,205.31	7,065.00	104.34	37.09	88.85	1,364.47	-917.43	2,389.82	2,287.03	102.79	23.249		
10,600.00	7,108.72	7,204.29	7,063.98	107.04	37.09	88.81	1,364.46	-917.43	2,470.17	2,367.51	102.66	24.062		
10,700.00	7,107.56	7,203.27	7,062.97	109.75	37.08	88.77	1,364.46	-917.43	2,551.90	2,449.40	102.50	24.896		
10,800.00	7,106.40	7,202.26	7,061.95	112.47	37.08	88.73	1,364.45	-917.43	2,634.89	2,532.56	102.34	25.748		
10,900.00	7,105.24	7,201.26	7,060.95	115.19	37.08	88.69	1,364.44	-917.43	2,719.03	2,616.87	102.16	26.616		
11,000.00	7,104.07	7,200.26	7,059.95	117.91	37.07	88.65	1,364.44	-917.43	2,804.21	2,702.24	101.97	27.500		
11,100.00	7,102.91	7,199.26	7,058.95	120.64	37.07	88.61	1,364.43	-917.43	2,890.34	2,788.56	101.78	28.398		
11,200.00	7,101.75	7,198.27	7,057.97	123.38	37.07	88.57	1,364.43	-917.42	2,977.33	2,875.75	101.58	29.309		
11,300.00	7,100.58	7,197.29	7,056.98	126.12	37.06	88.53	1,364.42	-917.42	3,065.12	2,963.73	101.39	30.231		
11,400.00	7,099.42	7,196.31	7,056.00	128.87	37.06	88.49	1,364.41	-917.42	3,153.64	3,052.44	101.19	31.164		
11,500.00	7,098.26	7,195.34	7,055.03	131.62	37.05	88.46	1,364.41	-917.42	3,242.82	3,141.82	101.00	32.107		
11,600.00	7,097.09	7,194.37	7,054.06	134.37	37.05	88.42	1,364.40	-917.42	3,332.62	3,231.81	100.81	33.059		
11,700.00	7,095.93	7,193.41	7,053.10	137.13	37.05	88.38	1,364.40	-917.42	3,422.98	3,322.36	100.62	34.018		
11,800.00	7,094.77	7,192.45	7,052.14	139.89	37.04	88.34	1,364.39	-917.42	3,513.86	3,413.42	100.44	34.985		
11,900.00	7,093.60	7,191.50	7,051.19	142.65	37.04	88.30	1,364.39	-917.41	3,605.23	3,504.97	100.26	35.959		
12,000.00	7,092.44	7,190.55	7,050.24	145.42	37.04	88.27	1,364.38	-917.41	3,697.04	3,596.96	100.08	36.940		
12,100.00	7,091.28	7,189.61	7,049.30	148.19	37.03	88.23	1,364.37	-917.41	3,789.27	3,689.36	99.91	37.926		
12,200.00	7,090.11	7,188.67	7,048.36	150.96	37.03	88.19	1,364.37	-917.41	3,881.88	3,782.13	99.75	38.917		
12,300.00	7,088.95	7,187.74	7,047.43	153.74	37.03	88.15	1,364.36	-917.41	3,974.85	3,875.26	99.59	39.913		
12,400.00	7,087.79	7,186.81	7,046.51	156.52	37.02	88.12	1,364.36	-917.41	4,068.15	3,968.72	99.43	40.914		
12,500.00	7,086.62	7,185.89	7,045.58	159.30	37.02	88.08	1,364.35	-917.41	4,161.77	4,062.49	99.28	41.919		
12,600.00	7,085.46	7,184.97	7,044.67	162.08	37.02	88.05	1,364.34	-917.40	4,255.67	4,156.54	99.14	42.927		
12,700.00	7,084.30	7,184.06	7,043.75	164.86	37.01	88.01	1,364.34	-917.40	4,349.85	4,250.85	99.00	43.939		
12,800.00	7,083.13	7,183.15	7,042.85	167.65	37.01	87.97	1,364.33	-917.40	4,444.28	4,345.42	98.86	44.954		
12,900.00	7,081.97	7,182.25	7,041.94	170.44	37.01	87.94	1,364.33	-917.40	4,538.95	4,440.21	98.73	45.972		
13,000.00	7,080.81	7,181.35	7,041.05	173.23	37.00	87.90	1,364.32	-917.40	4,633.84	4,535.23	98.61	46.993		
13,100.00	7,079.64	7,180.46	7,040.15	176.02	37.00	87.87	1,364.32	-917.40	4,728.94	4,630.45	98.49	48.016		
13,200.00	7,078.48	7,179.57	7,039.26	178.81	37.00	87.83	1,364.31	-917.39	4,824.24	4,725.87	98.37	49.041		
13,300.00	7,077.32	7,188.03	7,047.73	181.61	37.03	88.17	1,364.38	-917.44	4,919.71	4,821.43	98.28	50.058		
13,400.00	7,076.16	7,186.99	7,046.68	184.40	37.02	88.13	1,364.37	-917.44	5,015.37	4,917.20	98.17	51.087		
13,500.00	7,074.99	7,185.93	7,045.62	187.20	37.02	88.08	1,364.36	-917.44	5,111.20	5,013.13	98.07	52.117		
13,600.00	7,073.83	7,184.85	7,044.54	190.00	37.02	88.04	1,364.35	-917.43	5,207.19	5,109.22	97.97	53.149		
13,700.00	7,072.67	7,183.74	7,043.44	192.80	37.01	88.00	1,364.35	-917.43	5,303.33	5,205.45	97.88	54.182		
13,800.00	7,071.50	7,182.62	7,042.32	195.60	37.01	87.95	1,364.34	-917.42	5,399.60	5,301.81	97.79	55.216		
13,900.00	7,070.34	7,181.48	7,041.17	198.41	37.00	87.91	1,364.33	-917.42	5,496.01	5,398.30	97.70	56.251		
14,000.00	7,069.18	7,180.31	7,040.00	201.21	37.00	87.86	1,364.32	-917.41	5,592.54	5,494.92	97.62	57.288		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,100.00	7,068.01	7,179.12	7,038.81	204.02	37.00	87.81	1,364.31	-917.41	5,689.20	5,591.65	97.54	58.324		
14,200.00	7,066.85	7,177.91	7,037.60	206.82	36.99	87.77	1,364.31	-917.40	5,785.96	5,688.49	97.47	59.362		
14,300.00	7,065.69	7,176.67	7,036.36	209.63	36.99	87.72	1,364.30	-917.40	5,882.84	5,785.44	97.40	60.400		
14,400.00	7,064.52	7,175.41	7,035.10	212.44	36.98	87.67	1,364.29	-917.40	5,979.81	5,882.48	97.33	61.439		
14,500.00	7,063.36	7,174.12	7,033.82	215.25	36.98	87.62	1,364.28	-917.39	6,076.89	5,979.62	97.27	62.477		
14,600.00	7,062.20	7,172.81	7,032.50	218.06	36.97	87.56	1,364.27	-917.39	6,174.06	6,076.86	97.20	63.517		
14,700.00	7,061.03	7,171.47	7,031.16	220.87	36.97	87.51	1,364.26	-917.38	6,271.32	6,174.17	97.15	64.556		
14,800.00	7,059.87	7,170.10	7,029.79	223.68	36.96	87.46	1,364.25	-917.38	6,368.66	6,271.57	97.09	65.595		
14,900.00	7,058.71	7,168.70	7,028.39	226.49	36.96	87.40	1,364.24	-917.37	6,466.08	6,369.04	97.04	66.634		
15,000.00	7,057.54	7,167.27	7,026.96	229.30	36.95	87.34	1,364.23	-917.37	6,563.58	6,466.59	96.99	67.674		
15,100.00	7,056.38	7,165.81	7,025.50	232.12	36.95	87.29	1,364.22	-917.36	6,661.16	6,564.21	96.94	68.713		
15,200.00	7,055.22	7,164.32	7,024.01	234.93	36.94	87.23	1,364.21	-917.36	6,758.80	6,661.90	96.90	69.751		
15,300.00	7,054.05	7,162.79	7,022.49	237.75	36.94	87.17	1,364.20	-917.36	6,856.51	6,759.66	96.86	70.790		
15,400.00	7,052.89	7,161.24	7,020.93	240.56	36.93	87.11	1,364.19	-917.35	6,954.29	6,857.47	96.82	71.828		
15,500.00	7,051.73	7,159.64	7,019.34	243.38	36.93	87.04	1,364.18	-917.35	7,052.13	6,955.35	96.78	72.866		
15,600.00	7,050.56	7,158.01	7,017.71	246.20	36.92	86.98	1,364.17	-917.35	7,150.03	7,053.28	96.75	73.903		
15,648.52	7,050.00	7,157.21	7,016.90	247.57	36.92	86.95	1,364.17	-917.34	7,197.56	7,100.82	96.73	74.406		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-71.44	318.06	-947.30	999.99					
100.00	100.00	57.59	57.59	3.28	3.29	-71.44	318.11	-947.38	999.37	992.79	6.57	152.061		
200.00	200.00	148.00	148.00	3.34	3.34	-71.43	318.56	-948.10	1,000.29	993.61	6.68	149.830		
300.00	300.00	265.79	265.77	3.44	3.47	-71.33	320.38	-948.43	1,001.09	994.18	6.91	144.823		
400.00	399.98	427.53	427.11	3.60	3.76	-162.36	327.57	-940.46	999.66	992.28	7.39	135.352		
500.00	499.84	544.66	543.52	3.80	4.05	-161.93	333.76	-929.12	997.22	989.35	7.87	126.647		
584.49	584.03	641.69	639.73	4.00	4.34	-161.56	339.29	-917.80	996.30	987.94	8.35	119.254		
600.00	599.45	656.09	653.99	4.04	4.39	-161.50	340.24	-916.03	996.35	987.91	8.44	118.111		
682.50	681.36	735.84	732.87	4.26	4.66	-161.13	346.47	-906.11	998.19	989.28	8.91	111.977		
700.00	698.71	753.80	750.58	4.32	4.73	-161.03	348.22	-903.75	998.83	989.80	9.03	110.651		
800.00	797.82	855.58	850.65	4.62	5.14	-160.36	360.13	-889.48	1,002.37	992.67	9.71	103.273		
900.00	896.93	983.17	975.36	4.95	5.71	-159.33	377.64	-869.06	1,005.03	994.45	10.58	94.954		
1,000.00	996.04	1,113.15	1,100.73	5.30	6.41	-157.98	398.69	-842.02	1,004.19	992.61	11.58	86.704		
1,100.00	1,095.15	1,242.81	1,225.20	5.67	7.18	-156.59	418.75	-811.78	1,001.25	988.61	12.65	79.177		
1,200.00	1,194.26	1,344.34	1,322.22	6.05	7.83	-155.47	433.95	-785.99	996.51	982.90	13.60	73.257		
1,300.00	1,293.37	1,431.71	1,405.67	6.45	8.40	-154.48	447.60	-764.03	992.63	978.11	14.52	68.376		
1,400.00	1,392.48	1,521.62	1,491.51	6.85	9.01	-153.41	462.63	-741.91	990.11	974.62	15.48	63.941		
1,500.00	1,491.59	1,622.15	1,587.08	7.26	9.72	-152.12	481.00	-716.74	988.33	971.77	16.56	59.667		
1,600.00	1,590.70	1,728.72	1,688.25	7.68	10.49	-150.74	500.16	-689.23	986.25	968.53	17.72	55.670		
1,700.00	1,689.81	1,838.29	1,792.28	8.10	11.30	-149.34	519.08	-660.49	983.99	965.08	18.91	52.037		
1,800.00	1,788.92	1,929.92	1,879.06	8.53	11.99	-148.14	534.73	-635.60	981.34	961.33	20.01	49.051		
1,896.65	1,884.71	2,011.08	1,956.34	8.94	12.59	-147.13	548.43	-614.93	980.50	959.48	21.02	46.641		
1,900.00	1,888.03	2,013.91	1,959.03	8.96	12.61	-147.10	548.92	-614.23	980.50	959.45	21.06	46.562		
2,000.00	1,987.14	2,111.30	2,051.72	9.39	13.34	-145.85	566.30	-589.93	981.06	958.85	22.22	44.162		
2,100.00	2,086.25	2,207.62	2,143.40	9.83	14.06	-144.63	583.28	-565.71	981.83	958.45	23.38	42.002		
2,200.00	2,185.36	2,308.57	2,239.61	10.27	14.81	-143.38	600.74	-540.66	983.13	958.56	24.58	40.005		
2,300.00	2,284.47	2,416.12	2,342.34	10.71	15.61	-142.11	617.84	-513.78	983.89	958.08	25.81	38.116		
2,400.00	2,383.58	2,491.09	2,414.19	11.15	16.15	-141.27	629.71	-496.01	986.02	959.21	26.81	36.772		
2,500.00	2,482.69	2,608.11	2,526.14	11.60	17.01	-139.91	649.14	-468.02	988.90	960.77	28.14	35.148		
2,600.00	2,581.80	2,716.41	2,629.11	12.05	17.84	-138.58	666.72	-439.45	990.05	960.63	29.43	33.646		
2,700.00	2,680.91	2,802.78	2,711.15	12.50	18.51	-137.49	681.25	-416.71	992.16	961.59	30.56	32.464		
2,800.00	2,780.02	2,909.42	2,813.19	12.95	19.30	-136.29	698.04	-390.68	995.37	963.55	31.82	31.282		
2,900.00	2,879.13	3,001.96	2,902.09	13.40	19.97	-135.34	711.02	-368.51	998.06	965.11	32.95	30.289		
3,000.00	2,978.24	3,090.52	2,987.67	13.85	20.57	-134.53	722.97	-349.15	1,002.10	968.08	34.02	29.457		
3,100.00	3,077.35	3,174.06	3,069.09	14.30	21.09	-133.93	733.18	-333.44	1,007.53	972.53	35.00	28.788		
3,200.00	3,176.46	3,260.42	3,153.85	14.76	21.59	-133.46	742.85	-320.09	1,014.59	978.64	35.94	28.229		
3,300.00	3,275.57	3,345.68	3,237.94	15.21	22.04	-133.14	751.73	-309.20	1,022.95	986.12	36.83	27.776		
3,400.00	3,374.68	3,438.96	3,330.37	15.67	22.50	-132.94	760.43	-300.10	1,032.51	994.79	37.72	27.372		
3,500.00	3,473.79	3,538.84	3,429.67	16.12	22.93	-132.89	767.97	-292.56	1,042.24	1,003.63	38.61	26.995		
3,600.00	3,572.90	3,644.68	3,535.24	16.58	23.34	-133.05	773.13	-287.27	1,051.67	1,012.20	39.47	26.644		
3,700.00	3,672.01	3,753.36	3,643.86	17.04	23.71	-133.42	775.24	-284.10	1,060.32	1,020.03	40.29	26.320		
3,800.00	3,771.12	3,850.16	3,740.62	17.50	24.02	-133.80	776.04	-281.64	1,068.46	1,027.43	41.03	26.044		
3,900.00	3,870.23	3,935.07	3,825.52	17.95	24.29	-134.20	776.56	-281.29	1,077.89	1,036.20	41.69	25.854		
4,000.00	3,969.34	4,034.50	3,924.96	18.41	24.58	-134.69	777.12	-281.44	1,087.76	1,045.34	42.42	25.644		
4,100.00	4,068.45	4,127.73	4,018.17	18.87	24.87	-135.12	778.07	-281.58	1,098.04	1,054.92	43.12	25.463		
4,200.00	4,167.56	4,223.75	4,114.18	19.33	25.18	-135.53	779.77	-281.67	1,108.89	1,065.03	43.85	25.287		
4,300.00	4,266.67	4,318.44	4,208.85	19.79	25.48	-135.93	781.53	-281.87	1,119.94	1,075.36	44.58	25.124		
4,400.00	4,365.78	4,414.58	4,304.97	20.25	25.79	-136.32	783.73	-282.38	1,131.56	1,086.25	45.31	24.973		
4,500.00	4,464.89	4,513.77	4,404.14	20.71	26.11	-136.74	785.82	-283.10	1,143.25	1,097.19	46.06	24.818		
4,600.00	4,564.00	4,612.18	4,502.53	21.17	26.43	-137.16	787.63	-284.10	1,155.03	1,108.21	46.81	24.675		
4,700.00	4,663.11	4,708.66	4,598.98	21.63	26.73	-137.57	789.33	-285.31	1,166.98	1,119.44	47.54	24.546		
4,800.00	4,762.22	4,817.57	4,707.87	22.09	27.08	-138.05	790.75	-286.86	1,178.82	1,130.48	48.35	24.383		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
4,900.00	4,861.33	4,965.26	4,855.54	22.56	27.54	-138.72	789.80	-286.86	1,188.49	1,139.17	49.32	24.098		
5,000.00	4,960.44	5,063.80	4,954.04	23.02	27.86	-139.13	787.88	-284.75	1,195.67	1,145.61	50.06	23.883		
5,100.00	5,059.55	5,154.72	5,044.94	23.48	28.15	-139.50	786.62	-283.08	1,203.51	1,152.73	50.78	23.700		
5,200.00	5,158.66	5,243.52	5,133.73	23.94	28.45	-139.86	785.84	-281.97	1,212.18	1,160.69	51.49	23.544		
5,300.00	5,257.77	5,346.75	5,236.96	24.40	28.78	-140.28	784.92	-281.10	1,221.21	1,168.95	52.26	23.368		
5,400.00	5,356.88	5,445.66	5,335.85	24.87	29.12	-140.65	784.38	-279.70	1,230.08	1,177.06	53.03	23.197		
5,500.00	5,455.99	5,536.81	5,426.99	25.33	29.44	-140.98	784.22	-278.48	1,239.32	1,185.56	53.76	23.052		
5,600.00	5,555.10	5,623.04	5,513.22	25.79	29.74	-141.28	784.66	-277.95	1,249.57	1,195.10	54.47	22.942		
5,700.00	5,654.21	5,716.02	5,606.19	26.25	30.08	-141.59	785.78	-277.65	1,260.53	1,205.31	55.22	22.828		
5,800.00	5,753.32	5,807.33	5,697.49	26.72	30.41	-141.87	787.38	-277.71	1,272.17	1,216.21	55.96	22.734		
5,900.00	5,852.43	5,904.16	5,794.30	27.18	30.76	-142.18	789.20	-278.05	1,284.16	1,227.42	56.74	22.633		
6,000.00	5,951.54	6,007.28	5,897.40	27.64	31.12	-142.52	790.74	-278.92	1,296.33	1,238.78	57.55	22.526		
6,100.00	6,050.65	6,121.32	6,011.43	28.11	31.50	-142.99	790.22	-280.26	1,307.60	1,249.19	58.40	22.389		
6,200.00	6,149.76	6,239.42	6,129.51	28.57	31.89	-143.47	788.41	-280.58	1,317.55	1,258.28	59.27	22.230		
6,300.00	6,248.87	6,324.20	6,214.29	29.03	32.17	-143.79	787.44	-280.46	1,327.49	1,267.53	59.95	22.143		
6,400.00	6,347.98	6,405.43	6,295.52	29.50	32.45	-144.09	787.26	-281.02	1,338.70	1,278.09	60.61	22.087		
6,475.54	6,422.84	6,474.80	6,364.88	29.85	32.69	-144.34	787.44	-282.00	1,347.85	1,286.69	61.16	22.038		
6,500.00	6,447.14	6,497.32	6,387.40	29.96	32.77	-145.93	787.52	-282.38	1,350.51	1,289.18	61.34	22.018		
6,550.00	6,497.05	6,543.64	6,433.71	30.17	32.93	-167.25	787.81	-283.17	1,353.80	1,292.10	61.70	21.942		
6,600.00	6,547.02	6,599.74	6,479.80	30.37	33.09	45.85	788.30	-283.95	1,354.15	1,292.10	62.05	21.824		
6,650.00	6,596.75	6,633.85	6,523.90	30.55	33.25	42.10	788.94	-284.78	1,351.62	1,289.24	62.38	21.668		
6,700.00	6,645.93	6,677.56	6,567.59	30.74	33.41	41.49	789.72	-285.72	1,346.27	1,283.57	62.71	21.470		
6,750.00	6,694.25	6,720.65	6,610.65	30.93	33.56	41.75	790.65	-286.75	1,338.16	1,275.13	63.03	21.230		
6,800.00	6,741.43	6,762.87	6,652.85	31.12	33.71	42.51	791.72	-287.84	1,327.37	1,264.02	63.35	20.952		
6,850.00	6,787.16	6,806.21	6,696.15	31.32	33.87	43.69	792.98	-289.02	1,313.99	1,250.29	63.69	20.631		
6,900.00	6,831.16	6,848.02	6,737.93	31.52	34.02	45.25	794.31	-290.17	1,298.10	1,234.08	64.03	20.275		
6,950.00	6,873.17	6,896.85	6,786.71	31.74	34.20	47.34	795.91	-291.41	1,279.78	1,215.34	64.44	19.861		
7,000.00	6,912.92	6,944.00	6,833.84	31.96	34.37	49.87	797.39	-292.33	1,259.05	1,194.20	64.85	19.415		
7,050.00	6,950.18	6,977.32	6,867.13	32.21	34.50	52.49	798.46	-292.93	1,236.37	1,171.20	65.17	18.970		
7,100.00	6,984.70	7,008.62	6,898.40	32.48	34.62	55.43	799.54	-293.55	1,212.17	1,146.66	65.51	18.502		
7,150.00	7,016.29	7,037.80	6,927.56	32.77	34.73	58.68	800.62	-294.19	1,186.72	1,120.85	65.87	18.015		
7,200.00	7,044.73	7,065.11	6,954.84	33.10	34.83	62.21	801.69	-294.80	1,160.30	1,094.04	66.27	17.510		
7,250.00	7,069.86	7,089.36	6,979.07	33.46	34.92	65.91	802.70	-295.35	1,133.23	1,066.54	66.69	16.993		
7,300.00	7,091.53	7,110.41	7,000.08	33.86	35.00	69.69	803.61	-295.81	1,105.85	1,038.71	67.14	16.470		
7,350.00	7,109.59	7,128.40	7,018.05	34.30	35.07	73.45	804.43	-296.21	1,078.52	1,010.88	67.64	15.945		
7,400.00	7,123.94	7,143.31	7,032.94	34.78	35.12	77.10	805.10	-296.56	1,051.60	983.41	68.19	15.421		
7,450.00	7,134.49	7,154.63	7,044.26	35.29	35.17	80.51	805.61	-296.83	1,025.44	956.66	68.79	14.908		
7,500.00	7,141.18	7,162.27	7,051.89	35.84	35.19	83.57	805.96	-297.02	1,000.41	930.98	69.42	14.410		
7,550.00	7,143.95	7,166.14	7,055.75	36.42	35.21	86.21	806.13	-297.12	976.83	906.73	70.10	13.935		
7,567.79	7,144.00	7,166.60	7,056.21	36.63	35.21	87.04	806.15	-297.13	968.85	898.50	70.35	13.772		
7,600.00	7,143.62	7,166.98	7,056.59	37.03	35.21	87.07	806.17	-297.14	955.05	884.24	70.81	13.487		
7,700.00	7,142.46	7,168.19	7,057.79	38.38	35.22	87.15	806.22	-297.17	918.11	845.72	72.39	12.683		
7,800.00	7,141.29	7,169.41	7,059.01	39.88	35.22	87.23	806.28	-297.20	890.91	816.82	74.09	12.025		
7,900.00	7,140.13	7,170.65	7,060.25	41.53	35.23	87.31	806.33	-297.23	874.37	798.57	75.80	11.536		
7,996.04	7,139.01	7,171.85	7,061.45	43.23	35.23	87.39	806.38	-297.26	869.08	791.75	77.33	11.239 CC		
8,000.00	7,138.97	7,171.90	7,061.50	43.30	35.23	87.39	806.39	-297.26	869.09	791.70	77.38	11.231 ES		
8,100.00	7,137.80	7,173.17	7,062.77	45.18	35.24	87.48	806.44	-297.30	875.27	796.53	78.74	11.116 SF		
8,200.00	7,136.64	7,174.46	7,064.06	47.16	35.24	87.56	806.50	-297.33	892.68	812.89	79.79	11.187		
8,300.00	7,135.48	7,175.77	7,065.36	49.22	35.25	87.65	806.56	-297.36	920.69	840.16	80.53	11.433		
8,400.00	7,134.32	7,177.10	7,066.69	51.36	35.25	87.74	806.62	-297.40	958.36	877.39	80.97	11.836		
8,500.00	7,133.15	7,178.44	7,068.03	53.56	35.26	87.82	806.68	-297.43	1,004.60	923.44	81.16	12.378		
8,600.00	7,131.99	7,179.80	7,069.39	55.82	35.26	87.91	806.74	-297.47	1,058.30	977.14	81.16	13.040		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
8,700.00	7,130.83	7,181.18	7,070.77	58.13	35.27	88.01	806.80	-297.50	1,118.38	1,037.35	81.03	13.803		
8,800.00	7,129.66	7,182.59	7,072.17	60.49	35.27	88.10	806.86	-297.54	1,183.86	1,103.06	80.80	14.651		
8,900.00	7,128.50	7,184.01	7,073.59	62.89	35.28	88.19	806.93	-297.58	1,253.91	1,173.38	80.53	15.571		
9,000.00	7,127.34	7,185.45	7,075.04	65.32	35.28	88.29	806.99	-297.62	1,327.80	1,247.58	80.22	16.552		
9,100.00	7,126.17	7,186.92	7,076.50	67.79	35.29	88.38	807.06	-297.66	1,404.92	1,325.02	79.91	17.582		
9,200.00	7,125.01	7,188.40	7,077.98	70.28	35.29	88.48	807.12	-297.70	1,484.77	1,405.18	79.59	18.655		
9,300.00	7,123.85	7,189.91	7,079.49	72.80	35.30	88.58	807.19	-297.74	1,566.94	1,487.66	79.28	19.764		
9,400.00	7,122.68	7,191.44	7,081.02	75.34	35.30	88.68	807.26	-297.78	1,651.07	1,572.09	78.99	20.903		
9,500.00	7,121.52	7,193.00	7,082.57	77.91	35.31	88.78	807.33	-297.82	1,736.89	1,658.18	78.71	22.068		
9,600.00	7,120.36	7,194.58	7,084.15	80.49	35.32	88.89	807.40	-297.86	1,824.15	1,745.70	78.44	23.254		
9,700.00	7,119.19	7,196.18	7,085.75	83.09	35.32	88.99	807.47	-297.90	1,912.65	1,834.45	78.20	24.459		
9,800.00	7,118.03	7,197.81	7,087.37	85.70	35.33	89.10	807.54	-297.95	2,002.24	1,924.27	77.97	25.679		
9,900.00	7,116.87	7,199.46	7,089.02	88.33	35.33	89.21	807.61	-297.99	2,092.77	2,015.01	77.76	26.914		
10,000.00	7,115.70	7,201.14	7,090.70	90.98	35.34	89.32	807.69	-298.04	2,184.12	2,106.56	77.56	28.160		
10,100.00	7,114.54	7,202.84	7,092.40	93.63	35.35	89.43	807.76	-298.09	2,276.20	2,198.83	77.38	29.416		
10,200.00	7,113.38	7,204.58	7,094.13	96.29	35.35	89.55	807.84	-298.14	2,368.93	2,291.72	77.21	30.681		
10,300.00	7,112.21	7,206.34	7,095.89	98.97	35.36	89.66	807.92	-298.18	2,462.22	2,385.16	77.06	31.954		
10,400.00	7,111.05	7,208.13	7,097.68	101.65	35.37	89.78	808.00	-298.23	2,556.01	2,479.10	76.91	33.233		
10,500.00	7,109.89	7,209.94	7,099.49	104.34	35.37	89.90	808.08	-298.29	2,650.26	2,573.48	76.78	34.517		
10,600.00	7,108.72	7,211.79	7,101.34	107.04	35.38	90.02	808.16	-298.34	2,744.92	2,668.26	76.66	35.806		
10,700.00	7,107.56	7,213.67	7,103.22	109.75	35.39	90.15	808.24	-298.39	2,839.94	2,763.39	76.55	37.100		
10,800.00	7,106.40	7,215.58	7,105.12	112.47	35.40	90.27	808.33	-298.44	2,935.29	2,858.84	76.45	38.397		
10,900.00	7,105.24	7,217.53	7,107.06	115.19	35.40	90.40	808.41	-298.50	3,030.94	2,954.59	76.35	39.696		
11,000.00	7,104.07	7,219.50	7,109.04	117.91	35.41	90.53	808.50	-298.56	3,126.86	3,050.59	76.27	40.998		
11,100.00	7,102.91	7,221.51	7,111.05	120.64	35.42	90.66	808.59	-298.62	3,223.03	3,146.84	76.19	42.302		
11,200.00	7,101.75	7,223.56	7,113.09	123.38	35.43	90.80	808.68	-298.67	3,319.42	3,243.30	76.12	43.608		
11,300.00	7,100.58	7,225.64	7,115.17	126.12	35.43	90.93	808.77	-298.73	3,416.02	3,339.96	76.06	44.915		
11,400.00	7,099.42	7,227.76	7,117.28	128.87	35.44	91.07	808.86	-298.80	3,512.81	3,436.81	76.00	46.222		
11,500.00	7,098.26	7,229.91	7,119.40	131.62	35.44	91.21	808.95	-298.86	3,609.78	3,533.85	75.93	47.540		
11,600.00	7,097.09	7,232.09	7,121.54	134.37	35.44	91.35	809.04	-298.92	3,706.91	3,631.03	75.86	48.850		
11,700.00	7,095.93	7,234.29	7,123.71	137.13	35.44	91.50	809.13	-298.98	3,804.19	3,728.35	75.84	50.161		
11,800.00	7,094.77	7,236.49	7,125.89	139.89	35.44	91.65	809.22	-299.04	3,901.60	3,825.80	75.80	51.472		
11,900.00	7,093.60	7,238.71	7,128.09	142.65	35.45	91.80	809.31	-299.10	4,000.00	3,923.37	75.77	52.783		
12,000.00	7,092.44	7,240.94	7,130.30	145.42	35.45	91.95	809.40	-299.16	4,098.40	4,021.06	75.74	54.093		
12,100.00	7,091.28	7,243.18	7,132.52	148.19	35.46	92.10	809.49	-299.22	4,196.80	4,118.85	75.71	55.403		
12,200.00	7,090.11	7,245.43	7,134.75	150.96	35.46	92.25	809.58	-299.28	4,295.20	4,216.74	75.69	56.712		
12,300.00	7,088.95	7,247.68	7,136.98	153.74	35.47	92.40	809.67	-299.34	4,393.60	4,314.73	75.67	58.021		
12,400.00	7,087.79	7,249.93	7,139.21	156.52	35.47	92.55	809.76	-299.40	4,492.00	4,412.80	75.65	59.328		
12,500.00	7,086.62	7,252.18	7,141.44	159.30	35.48	92.70	809.85	-299.46	4,590.40	4,510.95	75.64	60.635		
12,600.00	7,085.46	7,254.43	7,143.67	162.08	35.48	92.85	809.94	-299.52	4,688.80	4,609.17	75.63	61.940		
12,700.00	7,084.30	7,256.68	7,145.90	164.86	35.48	93.00	810.03	-299.58	4,787.20	4,707.47	75.63	63.244		
12,800.00	7,083.13	7,258.93	7,148.13	167.65	35.49	93.15	810.12	-299.64	4,885.60	4,805.83	75.63	64.547		
12,900.00	7,081.97	7,261.18	7,150.36	170.44	35.49	93.30	810.21	-299.70	4,984.00	4,904.25	75.63	65.848		
13,000.00	7,080.81	7,263.43	7,152.59	173.23	35.50	93.45	810.30	-299.76	5,082.40	5,002.74	75.63	67.147		
13,100.00	7,079.64	7,265.68	7,154.82	176.02	35.50	93.60	810.39	-299.82	5,180.80	5,101.27	75.64	68.445		
13,200.00	7,078.48	7,267.93	7,157.05	178.81	35.51	93.75	810.48	-299.88	5,279.20	5,199.86	75.64	69.742		
13,300.00	7,077.32	7,270.18	7,159.28	181.61	35.51	93.90	810.57	-299.94	5,377.60	5,298.50	75.65	71.036		
13,400.00	7,076.16	7,272.43	7,161.51	184.40	35.52	94.05	810.66	-299.99	5,476.00	5,397.19	75.67	72.328		
13,500.00	7,074.99	7,274.68	7,163.74	187.20	35.52	94.20	810.75	-299.99	5,574.40	5,495.92	75.68	73.619		
13,600.00	7,073.83	7,276.93	7,165.97	190.00	35.52	94.35	810.84	-299.99	5,672.80	5,594.69	75.70	74.907		
13,700.00	7,072.67	7,279.18	7,168.20	192.80	35.53	94.50	810.93	-299.99	5,771.20	5,693.50	75.72	76.194		
13,800.00	7,071.50	7,281.43	7,170.43	195.60	35.53	94.65	811.02	-299.99	5,869.60	5,792.35	75.74	77.478		

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 33C-6-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 33C-6-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 #3-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWDD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,070.34	7,253.18	7,142.68	198.41	35.54	92.74	809.87	-299.45	5,966.99	5,891.23	75.76	78.760		
14,000.00	7,069.18	7,254.27	7,143.76	201.21	35.54	92.81	809.92	-299.48	6,065.94	5,990.15	75.79	80.039		
14,100.00	7,068.01	7,255.35	7,144.84	204.02	35.54	92.88	809.96	-299.51	6,164.91	6,089.10	75.81	81.316		
14,200.00	7,066.85	7,256.42	7,145.91	206.82	35.55	92.95	810.00	-299.53	6,263.92	6,188.08	75.84	82.591		
14,300.00	7,065.69	7,257.48	7,146.97	209.63	35.55	93.02	810.04	-299.56	6,362.96	6,287.09	75.87	83.864		
14,400.00	7,064.52	7,258.53	7,148.02	212.44	35.56	93.09	810.08	-299.59	6,462.03	6,386.12	75.90	85.133		
14,500.00	7,063.36	7,259.57	7,149.06	215.25	35.56	93.16	810.12	-299.62	6,561.12	6,485.19	75.94	86.401		
14,600.00	7,062.20	7,260.61	7,150.10	218.06	35.56	93.22	810.16	-299.64	6,660.25	6,584.27	75.97	87.665		
14,700.00	7,061.03	7,261.64	7,151.12	220.87	35.57	93.29	810.20	-299.67	6,759.40	6,683.39	76.01	88.927		
14,800.00	7,059.87	7,262.66	7,152.14	223.68	35.57	93.36	810.24	-299.69	6,858.57	6,782.52	76.05	90.187		
14,900.00	7,058.71	7,263.67	7,153.15	226.49	35.58	93.42	810.28	-299.72	6,957.77	6,881.68	76.09	91.443		
15,000.00	7,057.54	7,264.67	7,154.15	229.30	35.58	93.49	810.31	-299.74	7,056.99	6,980.86	76.13	92.697		
15,100.00	7,056.38	7,265.67	7,155.15	232.12	35.58	93.55	810.35	-299.77	7,156.23	7,080.06	76.17	93.948		
15,200.00	7,055.22	7,266.65	7,156.13	234.93	35.59	93.62	810.39	-299.79	7,255.49	7,179.27	76.22	95.196		
15,300.00	7,054.05	7,267.63	7,157.11	237.75	35.59	93.68	810.42	-299.82	7,354.77	7,278.51	76.26	96.441		
15,400.00	7,052.89	7,268.60	7,158.08	240.56	35.59	93.74	810.46	-299.84	7,454.07	7,377.76	76.31	97.684		
15,500.00	7,051.73	7,269.57	7,159.05	243.38	35.60	93.81	810.50	-299.87	7,553.39	7,477.03	76.36	98.923		
15,600.00	7,050.56	7,270.52	7,160.00	246.20	35.60	93.87	810.53	-299.89	7,652.73	7,576.32	76.41	100.159		
15,648.52	7,050.00	7,270.99	7,160.46	247.57	35.60	93.90	810.55	-299.90	7,700.94	7,624.51	76.43	100.758		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-70.69	333.36	-951.47	1,008.97					
100.00	100.00	56.24	56.24	3.28	3.29	-70.69	333.45	-951.52	1,008.26	1,001.69	6.57	153.425		
200.00	200.00	147.68	147.68	3.34	3.34	-70.65	334.39	-951.96	1,009.06	1,002.38	6.68	151.162		
300.00	300.00	245.07	245.04	3.44	3.44	-70.56	336.29	-952.73	1,010.45	1,003.57	6.89	146.697		
400.00	399.98	329.38	329.32	3.60	3.57	-161.96	338.55	-953.90	1,014.32	1,007.14	7.18	141.292		
500.00	499.84	401.95	401.79	3.80	3.71	-161.86	341.33	-956.17	1,023.55	1,016.01	7.53	135.842		
600.00	599.45	474.80	474.41	4.04	3.88	-161.74	345.42	-960.15	1,038.80	1,030.84	7.96	130.549		
682.50	681.36	536.06	535.37	4.26	4.04	-161.61	349.75	-964.52	1,055.53	1,047.18	8.35	126.451		
700.00	698.71	548.46	547.68	4.32	4.07	-161.61	350.69	-965.53	1,059.51	1,051.08	8.44	125.590		
800.00	797.82	619.35	618.03	4.62	4.28	-161.61	356.27	-972.37	1,083.70	1,074.77	8.93	121.324		
900.00	896.93	697.20	695.07	4.95	4.54	-161.63	362.62	-981.47	1,109.87	1,100.40	9.47	117.166		
1,000.00	996.04	775.25	772.14	5.30	4.82	-161.65	369.45	-991.79	1,137.64	1,127.60	10.04	113.298		
1,100.00	1,095.15	863.98	859.60	5.67	5.17	-161.65	377.70	-1,004.32	1,166.41	1,155.75	10.67	109.368		
1,200.00	1,194.26	934.33	928.81	6.05	5.48	-161.69	383.89	-1,015.24	1,196.37	1,185.12	11.25	106.345		
1,300.00	1,293.37	982.00	975.53	6.45	5.69	-161.77	387.30	-1,024.06	1,228.89	1,217.14	11.76	104.534		
1,400.00	1,392.48	1,048.60	1,040.38	6.85	6.02	-161.92	392.20	-1,038.39	1,264.05	1,251.72	12.33	102.505		
1,500.00	1,491.59	1,106.45	1,096.22	7.26	6.33	-162.02	397.35	-1,052.60	1,302.18	1,289.30	12.87	101.167		
1,600.00	1,590.70	1,172.75	1,159.78	7.68	6.71	-162.13	403.80	-1,070.34	1,342.52	1,329.07	13.45	99.814		
1,700.00	1,689.81	1,265.65	1,248.73	8.10	7.28	-162.29	412.73	-1,095.60	1,383.28	1,369.11	14.18	97.578		
1,800.00	1,788.92	1,334.09	1,314.05	8.53	7.72	-162.39	419.84	-1,114.71	1,424.96	1,410.18	14.78	96.408		
1,900.00	1,888.03	1,436.48	1,411.70	8.96	8.41	-162.42	432.89	-1,142.59	1,466.70	1,451.11	15.60	94.028		
2,000.00	1,987.14	1,499.49	1,471.61	9.39	8.85	-162.40	441.90	-1,159.92	1,509.20	1,493.02	16.19	93.242		
2,100.00	2,086.25	1,571.63	1,539.83	9.83	9.38	-162.37	452.61	-1,180.78	1,553.12	1,536.28	16.83	92.256		
2,200.00	2,185.36	1,668.80	1,631.52	10.27	10.11	-162.31	467.85	-1,209.10	1,597.54	1,579.88	17.66	90.439		
2,300.00	2,284.47	1,779.67	1,736.45	10.71	10.95	-162.18	486.50	-1,239.67	1,640.90	1,622.29	18.61	88.196		
2,400.00	2,383.58	1,888.58	1,839.82	11.15	11.77	-162.00	505.96	-1,267.90	1,683.11	1,663.57	19.55	86.112		
2,500.00	2,482.69	1,990.27	1,936.53	11.60	12.53	-161.83	524.08	-1,293.59	1,724.76	1,704.32	20.44	84.368		
2,600.00	2,581.80	2,080.17	2,022.25	12.05	13.20	-161.70	539.66	-1,315.72	1,765.67	1,744.41	21.26	83.048		
2,700.00	2,680.91	2,151.98	2,090.48	12.50	13.75	-161.60	552.29	-1,334.23	1,807.65	1,785.70	21.95	82.367		
2,800.00	2,780.02	2,266.04	2,199.14	12.95	14.62	-161.47	571.50	-1,363.10	1,848.94	1,825.98	22.96	80.542		
2,900.00	2,879.13	2,342.59	2,272.12	13.40	15.20	-161.42	583.44	-1,382.84	1,890.35	1,866.67	23.68	79.821		
3,000.00	2,978.24	2,415.68	2,341.56	13.85	15.77	-161.36	595.66	-1,402.16	1,932.67	1,908.29	24.38	79.264		
3,100.00	3,077.35	2,503.08	2,424.46	14.30	16.46	-161.27	610.80	-1,425.32	1,975.27	1,950.07	25.20	78.378		
3,200.00	3,176.46	2,563.70	2,481.72	14.76	16.95	-161.18	622.26	-1,441.60	2,018.74	1,992.94	25.81	78.230		
3,300.00	3,275.57	2,630.26	2,544.17	15.21	17.51	-161.05	636.32	-1,459.82	2,063.42	2,036.96	26.46	77.983		
3,400.00	3,374.68	3,100.98	2,993.05	15.67	20.96	-159.92	735.21	-1,556.28	2,109.29	2,079.13	30.15	69.948		
3,500.00	3,473.79	3,327.90	3,217.40	16.12	22.08	-159.78	760.52	-1,578.46	2,134.78	2,103.07	31.71	67.324		
3,600.00	3,572.90	3,545.66	3,434.53	16.58	22.93	-159.92	770.51	-1,590.59	2,153.49	2,120.43	33.05	65.150		
3,700.00	3,672.01	3,717.84	3,606.65	17.04	23.46	-160.16	770.79	-1,594.37	2,167.54	2,133.43	34.11	63.540		
3,800.00	3,771.12	3,830.32	3,719.11	17.50	23.78	-160.34	769.40	-1,596.01	2,181.00	2,146.03	34.96	62.379		
3,900.00	3,870.23	3,930.04	3,818.81	17.95	24.06	-160.51	767.93	-1,597.15	2,194.10	2,158.32	35.78	61.329		
4,000.00	3,969.34	4,021.16	3,909.90	18.41	24.32	-160.67	766.21	-1,598.36	2,207.24	2,170.68	36.56	60.366		
4,100.00	4,068.45	4,094.83	3,983.54	18.87	24.54	-160.80	764.66	-1,600.12	2,221.30	2,184.00	37.30	59.552		
4,200.00	4,167.56	4,234.05	4,122.72	19.33	24.98	-161.03	763.08	-1,602.93	2,235.53	2,197.27	38.26	58.437		
4,300.00	4,266.67	4,346.64	4,235.30	19.79	25.32	-161.12	763.97	-1,602.10	2,247.67	2,208.56	39.11	57.464		
4,400.00	4,365.78	4,444.35	4,333.00	20.25	25.62	-161.19	765.42	-1,601.21	2,259.94	2,220.01	39.93	56.591		
4,500.00	4,464.89	4,529.23	4,417.86	20.71	25.90	-161.24	766.78	-1,600.71	2,272.55	2,231.83	40.72	55.810		
4,600.00	4,564.00	4,633.85	4,522.47	21.17	26.24	-161.31	768.73	-1,600.24	2,285.39	2,243.82	41.57	54.972		
4,700.00	4,663.11	4,742.21	4,630.81	21.63	26.60	-161.38	770.46	-1,599.98	2,298.37	2,255.93	42.44	54.156		
4,800.00	4,762.22	4,875.32	4,763.89	22.09	27.00	-161.52	769.70	-1,597.84	2,309.10	2,265.74	43.36	53.255		
4,900.00	4,861.33	4,960.12	4,848.68	22.56	27.26	-161.61	769.10	-1,596.71	2,320.25	2,276.11	44.13	52.574		
5,000.00	4,960.44	5,044.15	4,932.71	23.02	27.52	-161.70	768.91	-1,596.01	2,332.05	2,287.14	44.91	51.932		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	5,131.00	5,019.56	23.48	27.80	-161.79	768.88	-1,595.80	2,344.46	2,298.76	45.70	51.305		
5,200.00	5,158.66	5,214.09	5,102.65	23.94	28.09	-161.87	769.07	-1,596.00	2,357.42	2,310.94	46.48	50.716		
5,300.00	5,257.77	5,308.06	5,196.61	24.40	28.41	-161.96	769.51	-1,596.75	2,370.98	2,323.67	47.31	50.112		
5,400.00	5,356.88	5,392.00	5,280.56	24.87	28.71	-162.05	769.66	-1,597.65	2,384.74	2,336.64	48.11	49.573		
5,500.00	5,455.99	5,471.88	5,360.42	25.33	29.00	-162.13	770.17	-1,599.13	2,399.35	2,350.47	48.88	49.086		
5,600.00	5,555.10	5,566.42	5,454.92	25.79	29.36	-162.20	771.83	-1,601.09	2,414.54	2,364.82	49.72	48.563		
5,700.00	5,654.21	5,750.14	5,638.60	26.25	30.01	-162.34	773.71	-1,601.75	2,427.84	2,376.96	50.89	47.710		
5,800.00	5,753.32	5,838.37	5,726.83	26.72	30.29	-162.43	773.35	-1,600.97	2,439.60	2,387.92	51.68	47.206		
5,900.00	5,852.43	5,922.28	5,810.74	27.18	30.58	-162.51	773.08	-1,600.92	2,452.13	2,399.67	52.46	46.741		
6,000.00	5,951.54	6,011.25	5,899.71	27.64	30.89	-162.60	772.95	-1,601.21	2,465.10	2,411.83	53.27	46.275		
6,100.00	6,050.65	6,094.90	5,983.36	28.11	31.19	-162.68	773.06	-1,601.83	2,478.56	2,424.50	54.06	45.846		
6,200.00	6,149.76	6,172.45	6,060.89	28.57	31.48	-162.75	773.61	-1,602.87	2,492.77	2,437.94	54.83	45.464		
6,300.00	6,248.87	6,250.52	6,138.94	29.03	31.78	-162.81	774.68	-1,604.52	2,507.91	2,452.31	55.60	45.109		
6,400.00	6,347.98	6,400.00	6,265.70	29.50	32.36	-162.88	777.18	-1,606.78	2,522.95	2,466.27	56.68	44.511		
6,475.54	6,422.84	6,505.52	6,393.88	29.85	32.74	-163.00	777.13	-1,607.23	2,532.65	2,475.20	57.45	44.086		
6,500.00	6,447.14	6,520.66	6,409.02	29.96	32.79	-164.47	776.94	-1,607.28	2,535.30	2,477.68	57.62	44.002		
6,550.00	6,497.05	6,561.24	6,449.59	30.17	32.93	174.36	776.41	-1,607.51	2,538.10	2,480.11	57.99	43.765		
6,600.00	6,547.02	6,641.26	6,529.61	30.37	33.21	27.47	775.34	-1,607.82	2,537.21	2,478.70	58.50	43.369		
6,650.00	6,596.75	6,716.48	6,604.81	30.55	33.46	23.66	773.86	-1,607.08	2,531.78	2,472.82	58.96	42.938		
6,700.00	6,645.93	6,775.42	6,663.73	30.74	33.66	22.90	772.66	-1,606.18	2,522.49	2,463.14	59.35	42.502		
6,750.00	6,694.25	6,812.19	6,700.49	30.93	33.78	22.87	772.15	-1,605.60	2,509.69	2,450.04	59.65	42.073		
6,800.00	6,741.43	6,851.00	6,739.30	31.12	33.92	23.25	771.88	-1,604.99	2,493.52	2,433.58	59.94	41.597		
6,850.00	6,787.16	6,888.74	6,777.03	31.32	34.05	23.92	771.79	-1,604.47	2,474.13	2,413.91	60.22	41.084		
6,900.00	6,831.16	6,924.26	6,812.55	31.52	34.17	24.87	771.80	-1,604.08	2,451.63	2,391.15	60.48	40.538		
6,950.00	6,873.17	6,960.30	6,848.59	31.74	34.30	26.12	771.90	-1,603.77	2,426.15	2,365.42	60.72	39.954		
7,000.00	6,912.92	6,996.55	6,884.84	31.96	34.44	27.70	772.08	-1,603.48	2,397.80	2,336.84	60.96	39.334		
7,050.00	6,950.18	7,030.51	6,918.79	32.21	34.56	29.66	772.33	-1,603.24	2,366.75	2,305.57	61.18	38.685		
7,100.00	6,984.70	7,061.96	6,950.25	32.48	34.68	32.05	772.64	-1,603.03	2,333.20	2,271.82	61.38	38.011		
7,150.00	7,016.29	7,090.73	6,979.01	32.77	34.78	34.98	772.97	-1,602.85	2,297.37	2,235.80	61.57	37.313		
7,200.00	7,044.73	7,116.62	7,004.90	33.10	34.88	38.54	773.33	-1,602.70	2,259.50	2,197.76	61.74	36.594		
7,250.00	7,069.86	7,140.63	7,028.91	33.46	34.97	42.88	773.68	-1,602.56	2,219.83	2,157.91	61.92	35.852		
7,300.00	7,091.53	7,161.43	7,049.71	33.86	35.05	48.12	773.98	-1,602.46	2,178.61	2,116.53	62.08	35.093		
7,350.00	7,109.59	7,178.76	7,067.03	34.30	35.11	54.37	774.23	-1,602.38	2,136.11	2,073.87	62.24	34.321		
7,400.00	7,123.94	7,192.49	7,080.75	34.78	35.16	61.66	774.42	-1,602.32	2,092.63	2,030.23	62.40	33.537		
7,450.00	7,134.49	7,202.53	7,090.80	35.29	35.20	69.90	774.57	-1,602.27	2,048.44	1,985.88	62.56	32.745		
7,500.00	7,141.18	7,208.82	7,097.09	35.84	35.23	78.79	774.66	-1,602.25	2,003.84	1,941.12	62.72	31.947		
7,550.00	7,143.95	7,211.31	7,099.57	36.42	35.23	87.85	774.69	-1,602.24	1,959.13	1,896.24	62.90	31.149		
7,567.79	7,144.00	7,211.27	7,099.54	36.63	35.23	91.02	774.69	-1,602.24	1,943.25	1,880.29	62.96	30.865		
7,600.00	7,143.62	7,210.76	7,099.03	37.03	35.23	90.99	774.68	-1,602.24	1,914.58	1,851.50	63.08	30.350		
7,700.00	7,142.46	7,209.18	7,097.45	38.38	35.23	90.89	774.66	-1,602.24	1,826.32	1,762.77	63.55	28.737		
7,800.00	7,141.29	7,207.59	7,095.86	39.88	35.22	90.78	774.64	-1,602.25	1,739.33	1,675.16	64.17	27.103		
7,900.00	7,140.13	7,206.00	7,094.27	41.53	35.21	90.68	774.62	-1,602.26	1,653.82	1,588.84	64.98	25.452		
8,000.00	7,138.97	7,204.40	7,092.67	43.30	35.21	90.58	774.59	-1,602.26	1,570.01	1,504.01	66.00	23.788		
8,100.00	7,137.80	7,202.80	7,091.07	45.18	35.20	90.47	774.57	-1,602.27	1,488.20	1,420.92	67.28	22.121		
8,200.00	7,136.64	7,201.19	7,089.46	47.16	35.20	90.37	774.55	-1,602.28	1,408.74	1,339.89	68.85	20.460		
8,300.00	7,135.48	7,199.58	7,087.85	49.22	35.19	90.26	774.53	-1,602.28	1,332.05	1,261.28	70.77	18.823		
8,400.00	7,134.32	7,197.96	7,086.23	51.36	35.18	90.16	774.50	-1,602.29	1,258.63	1,185.57	73.07	17.226		
8,500.00	7,133.15	7,196.34	7,084.61	53.56	35.18	90.05	774.48	-1,602.30	1,189.10	1,113.31	75.78	15.691		
8,600.00	7,131.99	7,194.71	7,082.98	55.82	35.17	89.94	774.46	-1,602.31	1,124.16	1,045.23	78.93	14.243		
8,700.00	7,130.83	7,193.07	7,081.34	58.13	35.17	89.84	774.43	-1,602.31	1,064.67	982.16	82.51	12.904		
8,800.00	7,129.66	7,191.43	7,079.70	60.49	35.16	89.73	774.41	-1,602.32	1,011.58	925.11	86.47	11.699		
8,900.00	7,128.50	7,189.79	7,078.06	62.89	35.15	89.62	774.39	-1,602.33	965.95	875.24	90.72	10.648		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	7,127.34	7,188.14	7,076.41	65.32	35.15	89.52	774.36	-1,602.33	928.89	833.79	95.10	9.768		
9,100.00	7,126.17	7,186.48	7,074.75	67.79	35.14	89.41	774.34	-1,602.34	901.44	802.05	99.39	9.070		
9,200.00	7,125.01	7,184.82	7,073.09	70.28	35.13	89.30	774.31	-1,602.35	884.51	781.17	103.34	8.559		
9,300.00	7,123.85	7,183.15	7,071.42	72.80	35.13	89.19	774.29	-1,602.36	878.69	771.99	106.70	8.235		
9,301.26	7,123.83	7,183.13	7,071.40	72.83	35.13	89.19	774.29	-1,602.36	878.69	771.96	106.74	8.232 CC, ES		
9,400.00	7,122.68	7,181.48	7,069.75	75.34	35.12	89.08	774.27	-1,602.36	884.22	774.95	109.27	8.092 SF		
9,500.00	7,121.52	7,179.80	7,068.07	77.91	35.12	88.97	774.24	-1,602.37	900.88	789.92	110.96	8.119		
9,600.00	7,120.36	7,178.11	7,066.38	80.49	35.11	88.86	774.22	-1,602.38	928.07	816.28	111.79	8.302		
9,700.00	7,119.19	7,176.42	7,064.69	83.09	35.10	88.75	774.19	-1,602.39	964.91	853.06	111.85	8.627		
9,800.00	7,118.03	7,174.73	7,063.00	85.70	35.10	88.64	774.17	-1,602.40	1,010.33	899.03	111.30	9.078		
9,900.00	7,116.87	7,173.02	7,061.29	88.33	35.09	88.53	774.15	-1,602.40	1,063.24	952.94	110.30	9.640		
10,000.00	7,115.70	7,171.32	7,059.59	90.98	35.08	88.42	774.12	-1,602.41	1,122.58	1,013.58	109.00	10.299		
10,100.00	7,114.54	7,169.60	7,057.87	93.63	35.08	88.31	774.10	-1,602.42	1,187.39	1,079.85	107.54	11.042		
10,200.00	7,113.38	7,167.88	7,056.15	96.29	35.07	88.20	774.07	-1,602.43	1,256.82	1,150.83	105.99	11.858		
10,300.00	7,112.21	7,166.16	7,054.43	98.97	35.06	88.08	774.05	-1,602.44	1,330.15	1,225.71	104.43	12.737		
10,400.00	7,111.05	7,164.42	7,052.70	101.65	35.06	87.97	774.02	-1,602.44	1,406.76	1,303.86	102.90	13.671		
10,500.00	7,109.89	7,162.69	7,050.96	104.34	35.05	87.86	774.00	-1,602.45	1,486.16	1,384.73	101.43	14.652		
10,600.00	7,108.72	7,160.94	7,049.22	107.04	35.04	87.74	773.97	-1,602.46	1,567.91	1,467.88	100.03	15.674		
10,700.00	7,107.56	7,159.19	7,047.47	109.75	35.04	87.63	773.95	-1,602.47	1,651.67	1,552.95	98.71	16.732		
10,800.00	7,106.40	7,157.44	7,045.71	112.47	35.03	87.51	773.92	-1,602.48	1,737.14	1,639.67	97.48	17.821		
10,900.00	7,105.24	7,155.68	7,043.95	115.19	35.02	87.40	773.90	-1,602.49	1,824.10	1,727.77	96.33	18.937		
11,000.00	7,104.07	7,153.91	7,042.18	117.91	35.02	87.28	773.87	-1,602.50	1,912.32	1,817.07	95.25	20.076		
11,100.00	7,102.91	7,152.13	7,040.41	120.64	35.01	87.17	773.84	-1,602.51	2,001.65	1,907.40	94.26	21.236		
11,200.00	7,101.75	7,150.35	7,038.63	123.38	35.00	87.05	773.82	-1,602.51	2,091.95	1,998.62	93.33	22.414		
11,300.00	7,100.58	7,148.57	7,036.84	126.12	35.00	86.94	773.79	-1,602.52	2,183.09	2,090.62	92.47	23.607		
11,400.00	7,099.42	7,146.77	7,035.05	128.87	34.99	86.82	773.77	-1,602.53	2,274.98	2,183.30	91.68	24.815		
11,500.00	7,098.26	7,144.98	7,033.25	131.62	34.98	86.70	773.74	-1,602.54	2,367.52	2,276.58	90.94	26.035		
11,600.00	7,097.09	7,143.17	7,031.45	134.37	34.98	86.59	773.71	-1,602.55	2,460.64	2,370.40	90.25	27.266		
11,700.00	7,095.93	7,141.36	7,029.63	137.13	34.97	86.47	773.69	-1,602.56	2,554.28	2,464.68	89.60	28.506		
11,800.00	7,094.77	7,139.54	7,027.82	139.89	34.96	86.35	773.66	-1,602.57	2,648.39	2,559.38	89.01	29.755		
11,900.00	7,093.60	7,137.72	7,025.99	142.65	34.96	86.23	773.64	-1,602.58	2,742.91	2,654.46	88.45	31.011		
12,000.00	7,092.44	7,135.89	7,024.16	145.42	34.95	86.11	773.61	-1,602.59	2,837.81	2,749.88	87.93	32.274		
12,100.00	7,091.28	7,134.05	7,022.32	148.19	34.94	85.99	773.58	-1,602.60	2,933.04	2,845.60	87.44	33.542		
12,200.00	7,090.11	7,132.20	7,020.48	150.96	34.94	85.87	773.55	-1,602.61	3,028.58	2,941.59	86.99	34.816		
12,300.00	7,088.95	7,130.35	7,018.63	153.74	34.93	85.75	773.53	-1,602.62	3,124.40	3,037.84	86.56	36.093		
12,400.00	7,087.79	7,128.50	7,016.77	156.52	34.92	85.63	773.50	-1,602.63	3,220.47	3,134.31	86.17	37.375		
12,500.00	7,086.62	7,126.63	7,014.91	159.30	34.91	85.51	773.47	-1,602.64	3,316.78	3,230.98	85.79	38.660		
12,600.00	7,085.46	7,124.76	7,013.04	162.08	34.91	85.39	773.45	-1,602.65	3,413.29	3,327.85	85.44	39.948		
12,700.00	7,084.30	7,122.89	7,011.16	164.86	34.90	85.27	773.42	-1,602.66	3,510.00	3,424.88	85.11	41.239		
12,800.00	7,083.13	7,121.00	7,009.28	167.65	34.89	85.15	773.39	-1,602.67	3,606.89	3,522.08	84.81	42.531		
12,900.00	7,081.97	7,119.11	7,007.39	170.44	34.89	85.02	773.36	-1,602.68	3,703.94	3,619.42	84.52	43.825		
13,000.00	7,080.81	7,117.35	7,005.63	173.23	34.88	84.91	773.34	-1,602.69	3,801.14	3,716.90	84.24	45.121		
13,100.00	7,079.64	7,115.60	7,003.87	176.02	34.87	84.79	773.31	-1,602.70	3,898.49	3,814.50	83.99	46.417		
13,200.00	7,078.48	7,113.84	7,002.12	178.81	34.87	84.68	773.29	-1,602.71	3,995.96	3,912.22	83.75	47.715		
13,300.00	7,077.32	7,112.07	7,000.35	181.61	34.86	84.57	773.26	-1,602.72	4,093.56	4,010.04	83.52	49.013		
13,400.00	7,076.16	7,110.30	6,998.58	184.40	34.85	84.45	773.24	-1,602.73	4,191.27	4,107.96	83.31	50.311		
13,500.00	7,074.99	7,108.53	6,996.81	187.20	34.85	84.34	773.21	-1,602.74	4,289.08	4,205.97	83.11	51.610		
13,600.00	7,073.83	7,106.75	6,995.03	190.00	34.84	84.22	773.19	-1,602.75	4,386.99	4,304.07	82.92	52.908		
13,700.00	7,072.67	7,104.97	6,993.25	192.80	34.83	84.11	773.16	-1,602.76	4,485.00	4,402.26	82.74	54.207		
13,800.00	7,071.50	7,103.18	6,991.46	195.60	34.83	83.99	773.14	-1,602.77	4,583.08	4,500.51	82.57	55.505		
13,900.00	7,070.34	7,101.39	6,989.67	198.41	34.82	83.88	773.11	-1,602.78	4,681.25	4,598.84	82.41	56.802		
14,000.00	7,069.18	7,099.59	6,987.87	201.21	34.81	83.76	773.09	-1,602.79	4,779.50	4,697.23	82.26	58.099		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,100.00	7,068.01	7,097.79	6,986.07	204.02	34.81	83.64	773.07	-1,602.80	4,877.81	4,795.69	82.12	59.395		
14,200.00	7,066.85	7,095.98	6,984.26	206.82	34.80	83.53	773.04	-1,602.82	4,976.19	4,894.20	81.99	60.690		
14,300.00	7,065.69	7,094.17	6,982.45	209.63	34.79	83.41	773.02	-1,602.83	5,074.64	4,992.77	81.87	61.985		
14,400.00	7,064.52	7,092.35	6,980.63	212.44	34.79	83.29	772.99	-1,602.84	5,173.14	5,091.39	81.75	63.278		
14,500.00	7,063.36	7,090.53	6,978.81	215.25	34.78	83.17	772.97	-1,602.85	5,271.70	5,190.05	81.64	64.570		
14,600.00	7,062.20	7,088.71	6,976.99	218.06	34.77	83.06	772.95	-1,602.86	5,370.31	5,288.77	81.54	65.860		
14,700.00	7,061.03	7,086.87	6,975.16	220.87	34.77	82.94	772.93	-1,602.87	5,468.97	5,387.52	81.45	67.149		
14,800.00	7,059.87	7,085.04	6,973.32	223.68	34.76	82.82	772.90	-1,602.88	5,567.68	5,486.32	81.36	68.436		
14,900.00	7,058.71	7,083.20	6,971.48	226.49	34.75	82.70	772.88	-1,602.89	5,666.43	5,585.16	81.27	69.722		
15,000.00	7,057.54	7,081.35	6,969.63	229.30	34.75	82.58	772.86	-1,602.90	5,765.23	5,684.03	81.19	71.006		
15,100.00	7,056.38	7,079.50	6,967.78	232.12	34.74	82.46	772.84	-1,602.92	5,864.06	5,782.94	81.12	72.289		
15,200.00	7,055.22	7,077.64	6,965.93	234.93	34.73	82.35	772.81	-1,602.93	5,962.94	5,881.88	81.05	73.569		
15,300.00	7,054.05	7,075.78	6,964.06	237.75	34.73	82.23	772.79	-1,602.94	6,061.85	5,980.86	80.99	74.848		
15,400.00	7,052.89	7,073.92	6,962.20	240.56	34.72	82.11	772.77	-1,602.95	6,160.79	6,079.86	80.93	76.125		
15,500.00	7,051.73	7,072.05	6,960.33	243.38	34.71	81.99	772.75	-1,602.96	6,259.77	6,178.89	80.88	77.399		
15,600.00	7,050.56	7,070.17	6,958.45	246.20	34.71	81.87	772.73	-1,602.97	6,358.78	6,277.95	80.83	78.671		
15,648.52	7,050.00	7,069.26	6,957.54	247.57	34.70	81.81	772.72	-1,602.98	6,406.83	6,326.03	80.80	79.288		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-72.22	302.39	-942.84	990.88					
100.00	100.00	57.10	57.10	3.28	3.29	-72.22	302.41	-942.94	990.26	983.69	6.57	150.678		
200.00	200.00	146.45	146.45	3.34	3.34	-72.23	302.58	-943.86	991.29	984.62	6.68	148.498		
300.00	300.00	249.80	249.78	3.44	3.45	-72.23	302.97	-945.36	992.80	985.91	6.89	144.013		
400.00	399.98	340.12	340.09	3.60	3.59	-163.76	303.09	-946.93	996.17	988.98	7.19	138.478		
500.00	499.84	441.62	441.54	3.80	3.79	-163.92	301.80	-949.62	1,003.34	995.74	7.59	132.125		
600.00	599.45	542.77	542.55	4.04	4.04	-164.29	297.53	-952.84	1,013.50	1,005.43	8.07	125.542		
682.50	681.36	613.54	613.05	4.26	4.23	-164.68	292.54	-956.13	1,024.92	1,016.43	8.49	120.692		
700.00	698.71	628.40	627.84	4.32	4.27	-164.79	291.30	-956.97	1,027.70	1,019.11	8.59	119.660		
800.00	797.82	714.28	713.20	4.62	4.54	-165.45	283.71	-962.64	1,044.42	1,035.27	9.15	114.167		
900.00	896.93	809.15	807.32	4.95	4.87	-166.23	274.16	-969.81	1,061.92	1,052.14	9.78	108.531		
1,000.00	996.04	902.10	899.43	5.30	5.22	-167.01	264.25	-977.29	1,079.95	1,069.50	10.46	103.259		
1,100.00	1,095.15	990.39	986.73	5.67	5.58	-167.80	253.66	-985.14	1,098.70	1,087.55	11.15	98.505		
1,200.00	1,194.26	1,059.97	1,055.18	6.05	5.88	-168.50	243.86	-992.86	1,119.35	1,107.54	11.80	94.848		
1,300.00	1,293.37	1,135.90	1,129.44	6.45	6.24	-169.32	231.84	-1,003.19	1,142.33	1,129.83	12.50	91.376		
1,400.00	1,392.48	1,220.67	1,211.96	6.85	6.68	-170.28	217.37	-1,016.07	1,166.97	1,153.70	13.27	87.948		
1,500.00	1,491.59	1,303.49	1,292.23	7.26	7.13	-171.25	202.00	-1,029.46	1,192.71	1,178.66	14.05	84.891		
1,600.00	1,590.70	1,383.13	1,369.02	7.68	7.59	-172.21	186.14	-1,043.36	1,219.91	1,205.08	14.83	82.256		
1,700.00	1,689.81	1,470.87	1,453.32	8.10	8.13	-173.27	168.00	-1,059.61	1,248.47	1,232.79	15.68	79.615		
1,800.00	1,788.92	1,566.24	1,544.63	8.53	8.74	-174.43	146.90	-1,077.31	1,277.41	1,260.80	16.61	76.921		
1,900.00	1,888.03	1,674.03	1,647.57	8.96	9.46	-175.75	121.64	-1,096.86	1,306.37	1,288.73	17.64	74.047		
2,000.00	1,987.14	1,767.10	1,736.60	9.39	10.09	-176.83	99.77	-1,112.91	1,334.94	1,316.36	18.58	71.837		
2,100.00	2,086.25	1,831.43	1,797.70	9.83	10.55	-177.61	83.46	-1,124.65	1,364.92	1,345.61	19.31	70.676		
2,200.00	2,185.36	1,900.40	1,862.68	10.27	11.06	-178.46	65.16	-1,138.78	1,397.36	1,377.29	20.07	69.611		
2,300.00	2,284.47	1,992.61	1,949.76	10.71	11.75	-179.51	41.91	-1,158.26	1,430.93	1,409.90	21.03	68.031		
2,400.00	2,383.58	2,089.89	2,041.97	11.15	12.48	-179.47	18.20	-1,178.25	1,464.34	1,442.30	22.03	66.464		
2,500.00	2,482.69	2,183.55	2,130.83	11.60	13.18	-178.55	-4.24	-1,197.53	1,498.13	1,475.13	23.00	65.141		
2,600.00	2,581.80	2,289.90	2,231.83	12.05	13.98	-177.55	-29.90	-1,218.74	1,531.67	1,507.60	24.08	63.618		
2,700.00	2,680.91	2,362.94	2,301.37	12.50	14.53	-176.91	-47.00	-1,233.16	1,565.35	1,540.50	24.85	62.984		
2,800.00	2,780.02	2,448.32	2,382.49	12.95	15.18	-176.21	-66.41	-1,251.39	1,600.66	1,574.93	25.74	62.196		
2,900.00	2,879.13	2,553.62	2,482.66	13.40	15.98	-175.36	-90.69	-1,272.95	1,635.43	1,608.63	26.80	61.022		
3,000.00	2,978.24	2,620.16	2,545.88	13.85	16.49	-174.85	-106.23	-1,286.68	1,670.71	1,643.20	27.51	60.735		
3,100.00	3,077.35	2,683.03	2,605.35	14.30	16.98	-174.38	-120.76	-1,300.97	1,708.01	1,679.83	28.17	60.624		
3,200.00	3,176.46	2,857.92	2,770.64	14.76	18.37	-173.05	-163.67	-1,338.57	1,745.26	1,715.35	29.92	58.338		
3,300.00	3,275.57	2,962.79	2,870.66	15.21	19.17	-172.31	-188.94	-1,357.42	1,778.73	1,747.75	30.98	57.413		
3,400.00	3,374.68	3,072.73	2,975.31	15.67	20.00	-171.51	-216.77	-1,376.43	1,812.02	1,779.92	32.10	56.457		
3,500.00	3,473.79	3,171.60	3,069.91	16.12	20.73	-170.87	-240.47	-1,392.62	1,844.39	1,811.29	33.10	55.729		
3,600.00	3,572.90	3,235.47	3,131.35	16.58	21.20	-170.52	-253.92	-1,403.77	1,877.58	1,843.80	33.77	55.596		
3,700.00	3,672.01	3,315.10	3,207.59	17.04	21.78	-170.11	-270.78	-1,419.33	1,912.67	1,878.09	34.58	55.311		
3,800.00	3,771.12	3,529.76	3,414.19	17.50	23.31	-168.93	-319.11	-1,451.48	1,943.03	1,906.45	36.58	53.124		
3,900.00	3,870.23	3,603.23	3,484.84	17.95	23.83	-168.49	-337.05	-1,460.70	1,972.61	1,935.26	37.36	52.804		
4,000.00	3,969.34	3,661.67	3,540.95	18.41	24.26	-168.16	-351.16	-1,468.93	2,003.74	1,965.73	38.01	52.722		
4,100.00	4,068.45	3,710.02	3,587.13	18.87	24.62	-167.88	-363.23	-1,476.68	2,036.94	1,998.40	38.55	52.841		
4,200.00	4,167.56	3,768.29	3,642.40	19.33	25.08	-167.54	-378.46	-1,487.08	2,072.19	2,033.01	39.17	52.896		
4,300.00	4,266.67	3,838.54	3,708.62	19.79	25.65	-167.11	-397.87	-1,500.20	2,108.74	2,068.82	39.92	52.830		
4,400.00	4,365.78	3,921.85	3,786.91	20.25	26.34	-166.60	-421.46	-1,516.17	2,146.08	2,105.28	40.79	52.608		
4,500.00	4,464.89	4,030.59	3,889.08	20.71	27.24	-165.95	-452.55	-1,536.65	2,183.38	2,141.45	41.93	52.071		
4,600.00	4,564.00	4,600.00	4,014.87	21.17	31.57	-165.33	-485.09	-1,560.82	2,219.23	2,173.29	45.94	48.310		
4,700.00	4,663.11	4,235.16	4,084.47	21.63	28.80	-165.09	-499.47	-1,574.39	2,254.66	2,210.67	43.98	51.261		
4,800.00	4,762.22	4,294.94	4,141.93	22.09	29.23	-164.95	-509.99	-1,587.13	2,291.74	2,247.16	44.58	51.412		
4,900.00	4,861.33	4,391.19	4,233.96	22.56	29.95	-164.67	-529.00	-1,607.89	2,329.71	2,284.20	45.52	51.182		
5,000.00	4,960.44	4,546.51	4,383.03	23.02	31.09	-164.20	-560.42	-1,638.14	2,365.82	2,318.79	47.03	50.308		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	5,059.55	4,859.28	4,688.21	23.48	33.07	163.46	-613.10	-1,680.21	2,393.32	2,343.65	49.67	48.181		
5,200.00	5,158.66	4,966.51	4,793.91	23.94	33.66	163.31	-626.84	-1,691.96	2,419.79	2,369.15	50.63	47.793		
5,300.00	5,257.77	5,215.85	5,040.96	24.40	34.89	163.07	-652.61	-1,712.98	2,443.89	2,391.51	52.39	46.650		
5,400.00	5,356.88	5,333.99	5,158.66	24.87	35.40	163.02	-661.06	-1,718.70	2,463.05	2,409.71	53.34	46.177		
5,500.00	5,455.99	5,572.11	5,396.34	25.33	36.27	162.98	-673.68	-1,723.50	2,478.62	2,423.89	54.74	45.284		
5,600.00	5,555.10	5,670.38	5,494.58	25.79	36.59	163.01	-676.27	-1,723.38	2,491.94	2,436.39	55.55	44.857		
5,700.00	5,654.21	5,765.44	5,589.60	26.25	36.90	163.04	-678.91	-1,723.72	2,505.75	2,449.39	56.36	44.457		
5,800.00	5,753.32	5,899.88	5,724.03	26.72	37.28	163.17	-678.87	-1,724.02	2,518.66	2,461.40	57.25	43.990		
5,900.00	5,852.43	5,982.32	5,806.45	27.18	37.49	163.28	-677.18	-1,724.52	2,531.44	2,473.46	57.98	43.661		
6,000.00	5,951.54	6,076.81	5,900.91	27.64	37.74	163.41	-675.14	-1,725.49	2,544.63	2,485.89	58.74	43.321		
6,100.00	6,050.65	6,169.83	5,993.91	28.11	38.00	163.54	-673.08	-1,726.54	2,557.93	2,498.43	59.50	42.993		
6,200.00	6,149.76	6,254.94	6,078.98	28.57	38.23	163.67	-671.04	-1,728.02	2,571.76	2,511.53	60.23	42.696		
6,300.00	6,248.87	6,355.18	6,179.17	29.03	38.52	163.81	-668.72	-1,729.98	2,585.85	2,524.83	61.02	42.378		
6,400.00	6,347.98	6,451.06	6,275.00	29.50	38.79	163.96	-666.20	-1,731.78	2,599.81	2,538.02	61.79	42.073		
6,475.54	6,422.84	6,516.64	6,340.55	29.85	38.99	164.05	-664.70	-1,733.21	2,610.63	2,548.28	62.36	41.866		
6,500.00	6,447.14	6,538.54	6,362.43	29.96	39.05	162.77	-664.26	-1,733.71	2,613.74	2,551.19	62.54	41.792		
6,550.00	6,497.05	6,583.61	6,407.48	30.17	39.19	141.82	-663.45	-1,734.79	2,617.30	2,554.39	62.91	41.604		
6,600.00	6,547.02	6,632.45	6,456.31	30.37	39.34	-5.09	-662.65	-1,736.00	2,617.09	2,553.82	63.27	41.363		
6,650.00	6,596.75	6,681.59	6,505.43	30.55	39.49	-9.17	-661.86	-1,737.23	2,613.07	2,549.46	63.61	41.079		
6,700.00	6,645.93	6,732.77	6,556.58	30.74	39.65	-10.48	-660.95	-1,738.52	2,605.23	2,541.29	63.95	40.741		
6,750.00	6,694.25	6,783.04	6,606.82	30.93	39.80	-11.28	-659.87	-1,739.79	2,593.60	2,529.34	64.26	40.359		
6,800.00	6,741.43	6,832.08	6,655.83	31.12	39.95	-11.95	-658.56	-1,741.07	2,578.26	2,513.70	64.56	39.936		
6,850.00	6,787.16	6,877.24	6,700.95	31.32	40.09	-12.64	-657.13	-1,742.30	2,559.31	2,494.49	64.83	39.478		
6,900.00	6,831.16	6,918.96	6,742.63	31.52	40.21	-13.39	-655.75	-1,743.48	2,536.94	2,471.88	65.07	38.989		
6,950.00	6,873.17	6,964.33	6,787.95	31.74	40.35	-14.28	-654.20	-1,744.81	2,511.27	2,445.97	65.31	38.453		
7,000.00	6,912.92	7,014.91	6,838.48	31.96	40.50	-15.38	-652.35	-1,746.16	2,482.30	2,416.76	65.55	37.871		
7,050.00	6,950.18	7,056.30	6,879.83	32.21	40.62	-16.70	-650.76	-1,747.16	2,450.24	2,384.50	65.74	37.271		
7,100.00	6,984.70	7,092.17	6,915.66	32.48	40.72	-18.32	-649.37	-1,748.01	2,415.39	2,349.48	65.91	36.649		
7,150.00	7,016.29	7,125.09	6,948.55	32.77	40.82	-20.34	-648.09	-1,748.78	2,377.99	2,311.94	66.05	36.003		
7,200.00	7,044.73	7,150.63	6,974.06	33.10	40.90	-22.85	-647.10	-1,749.40	2,338.30	2,272.14	66.16	35.343		
7,250.00	7,069.86	7,173.91	6,997.31	33.46	40.97	-26.08	-646.18	-1,750.00	2,296.59	2,230.34	66.25	34.664		
7,300.00	7,091.53	7,194.23	7,017.61	33.86	41.03	-30.30	-645.38	-1,750.55	2,253.11	2,186.78	66.33	33.967		
7,350.00	7,109.59	7,211.71	7,035.07	34.30	41.08	-35.93	-644.69	-1,751.04	2,208.13	2,141.74	66.40	33.257		
7,400.00	7,123.94	7,227.99	7,051.33	34.78	41.13	-43.62	-644.04	-1,751.50	2,161.92	2,095.46	66.45	32.532		
7,450.00	7,134.49	7,240.33	7,063.65	35.29	41.16	-54.01	-643.53	-1,751.85	2,114.76	2,048.26	66.50	31.801		
7,500.00	7,141.18	7,248.67	7,071.98	35.84	41.19	-67.50	-643.19	-1,752.09	2,066.95	2,000.42	66.54	31.066		
7,550.00	7,143.95	7,252.95	7,076.26	36.42	41.20	-83.42	-643.01	-1,752.21	2,018.81	1,952.25	66.56	30.330		
7,567.79	7,144.00	7,253.49	7,076.80	36.63	41.20	-89.27	-642.98	-1,752.23	2,001.66	1,935.09	66.57	30.068		
7,600.00	7,143.62	7,254.00	7,077.31	37.03	41.20	-89.33	-642.96	-1,752.24	1,970.63	1,904.05	66.59	29.595		
7,700.00	7,142.46	7,255.60	7,078.90	38.38	41.21	-89.50	-642.90	-1,752.29	1,874.56	1,807.89	66.66	28.119		
7,800.00	7,141.29	7,257.19	7,080.49	39.88	41.21	-89.67	-642.83	-1,752.33	1,778.91	1,712.12	66.79	26.635		
7,900.00	7,140.13	7,258.77	7,082.07	41.53	41.22	-89.84	-642.76	-1,752.38	1,683.77	1,616.79	66.98	25.139		
8,000.00	7,138.97	7,260.36	7,083.66	43.30	41.22	-90.01	-642.70	-1,752.42	1,589.22	1,521.98	67.25	23.633		
8,100.00	7,137.80	7,261.94	7,085.24	45.18	41.23	-90.18	-642.63	-1,752.47	1,495.38	1,427.77	67.62	22.115		
8,200.00	7,136.64	7,263.52	7,086.82	47.16	41.23	-90.35	-642.56	-1,752.51	1,402.39	1,334.27	68.12	20.586		
8,300.00	7,135.48	7,265.10	7,088.40	49.22	41.24	-90.52	-642.49	-1,752.56	1,310.44	1,241.64	68.80	19.047		
8,400.00	7,134.32	7,266.68	7,089.97	51.36	41.24	-90.69	-642.43	-1,752.60	1,219.74	1,150.04	69.70	17.500		
8,500.00	7,133.15	7,268.26	7,091.55	53.56	41.25	-90.86	-642.36	-1,752.65	1,130.62	1,059.73	70.89	15.949		
8,600.00	7,131.99	7,269.83	7,093.12	55.82	41.25	-91.03	-642.29	-1,752.69	1,043.46	971.02	72.45	14.403		
8,700.00	7,130.83	7,271.40	7,094.69	58.13	41.26	-91.20	-642.23	-1,752.73	958.82	884.34	74.48	12.874		
8,800.00	7,129.66	7,272.97	7,096.25	60.49	41.26	-91.37	-642.16	-1,752.78	877.41	800.31	77.10	11.380		
8,900.00	7,128.50	7,274.54	7,097.82	62.89	41.27	-91.54	-642.09	-1,752.82	800.22	719.76	80.46	9.946		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	7,127.34	7,276.10	7,099.38	65.32	41.27	-91.70	-642.02	-1,752.87	728.59	643.90	84.69	8.603		
9,100.00	7,126.17	7,277.67	7,100.95	67.79	41.28	-91.87	-641.96	-1,752.91	664.34	574.45	89.89	7.391		
9,200.00	7,125.01	7,279.23	7,102.51	70.28	41.28	-92.04	-641.89	-1,752.95	609.78	513.80	95.99	6.353		
9,300.00	7,123.85	7,280.79	7,104.06	72.80	41.28	-92.21	-641.82	-1,753.00	567.74	465.09	102.65	5.531		
9,400.00	7,122.68	7,282.35	7,105.62	75.34	41.29	-92.38	-641.75	-1,753.04	541.12	432.03	109.08	4.961		
9,497.62	7,121.55	7,283.87	7,107.14	77.85	41.29	-92.54	-641.69	-1,753.09	532.24	418.13	114.11	4.664 CC		
9,500.00	7,121.52	7,283.90	7,107.17	77.91	41.29	-92.54	-641.69	-1,753.09	532.24	418.04	114.21	4.660 ES		
9,600.00	7,120.36	7,285.46	7,108.73	80.49	41.30	-92.71	-641.62	-1,753.13	541.99	424.88	117.11	4.628 SF		
9,700.00	7,119.19	7,287.01	7,110.28	83.09	41.30	-92.88	-641.55	-1,753.17	569.41	451.82	117.59	4.842		
9,800.00	7,118.03	7,288.56	7,111.82	85.70	41.31	-93.05	-641.48	-1,753.22	612.12	495.99	116.13	5.271		
9,900.00	7,116.87	7,290.11	7,113.37	88.33	41.31	-93.21	-641.42	-1,753.26	667.19	553.70	113.49	5.879		
10,000.00	7,115.70	7,291.66	7,114.91	90.98	41.32	-93.38	-641.35	-1,753.30	731.85	621.49	110.36	6.632		
10,100.00	7,114.54	7,293.20	7,116.46	93.63	41.32	-93.54	-641.28	-1,753.35	803.77	696.62	107.16	7.501		
10,200.00	7,113.38	7,294.74	7,118.00	96.29	41.33	-93.71	-641.21	-1,753.39	881.19	777.07	104.12	8.463		
10,300.00	7,112.21	7,296.28	7,119.54	98.97	41.33	-93.88	-641.15	-1,753.44	962.77	861.41	101.36	9.498		
10,400.00	7,111.05	7,297.82	7,121.07	101.65	41.34	-94.04	-641.08	-1,753.48	1,047.55	948.65	98.90	10.592		
10,500.00	7,109.89	7,299.37	7,122.62	104.34	41.34	-94.21	-641.01	-1,753.52	1,134.81	1,038.09	96.72	11.732		
10,600.00	7,108.72	7,300.93	7,124.17	107.04	41.35	-94.38	-640.94	-1,753.57	1,224.02	1,129.21	94.81	12.910		
10,700.00	7,107.56	7,302.49	7,125.73	109.75	41.35	-94.54	-640.87	-1,753.61	1,314.78	1,221.65	93.13	14.118		
10,800.00	7,106.40	7,304.06	7,127.30	112.47	41.35	-94.71	-640.80	-1,753.65	1,406.79	1,315.14	91.65	15.349		
10,900.00	7,105.24	7,305.64	7,128.88	115.19	41.36	-94.88	-640.73	-1,753.70	1,499.83	1,409.48	90.35	16.601		
11,000.00	7,104.07	7,307.23	7,130.47	117.91	41.36	-95.05	-640.66	-1,753.74	1,593.70	1,504.51	89.19	17.868		
11,100.00	7,102.91	7,308.82	7,132.06	120.64	41.37	-95.22	-640.59	-1,753.79	1,688.28	1,600.11	88.17	19.148		
11,200.00	7,101.75	7,310.43	7,133.66	123.38	41.37	-95.40	-640.52	-1,753.83	1,783.45	1,696.19	87.26	20.438		
11,300.00	7,100.58	7,312.04	7,135.27	126.12	41.38	-95.57	-640.45	-1,753.88	1,879.12	1,792.67	86.45	21.738		
11,400.00	7,099.42	7,313.66	7,136.89	128.87	41.38	-95.74	-640.38	-1,753.93	1,975.21	1,889.50	85.72	23.044		
11,500.00	7,098.26	7,315.28	7,138.51	131.62	41.39	-95.92	-640.31	-1,753.97	2,071.68	1,986.62	85.06	24.355		
11,600.00	7,097.09	7,316.92	7,140.14	134.37	41.39	-96.09	-640.23	-1,754.02	2,168.46	2,083.99	84.47	25.671		
11,700.00	7,095.93	7,318.56	7,141.79	137.13	41.40	-96.27	-640.16	-1,754.07	2,265.52	2,181.59	83.94	26.991		
11,800.00	7,094.77	7,320.22	7,143.44	139.89	41.40	-96.45	-640.09	-1,754.11	2,362.83	2,279.38	83.45	28.313		
11,900.00	7,093.60	7,321.88	7,145.09	142.65	41.41	-96.62	-640.01	-1,754.16	2,460.35	2,377.34	83.01	29.638		
12,000.00	7,092.44	7,323.55	7,146.76	145.42	41.41	-96.80	-639.94	-1,754.21	2,558.06	2,475.45	82.62	30.963		
12,100.00	7,091.28	7,325.22	7,148.44	148.19	41.42	-96.98	-639.87	-1,754.26	2,655.94	2,573.69	82.25	32.290		
12,200.00	7,090.11	7,326.91	7,150.12	150.96	41.42	-97.16	-639.79	-1,754.31	2,753.97	2,672.05	81.92	33.618		
12,300.00	7,088.95	7,328.60	7,151.81	153.74	41.43	-97.34	-639.72	-1,754.36	2,852.14	2,770.53	81.62	34.945		
12,400.00	7,087.79	7,330.31	7,153.51	156.52	41.43	-97.53	-639.64	-1,754.40	2,950.43	2,869.09	81.34	36.273		
12,500.00	7,086.62	7,332.02	7,155.22	159.30	41.44	-97.71	-639.56	-1,754.45	3,048.83	2,967.75	81.09	37.600		
12,600.00	7,085.46	7,333.74	7,156.94	162.08	41.44	-97.89	-639.49	-1,754.50	3,147.33	3,066.48	80.85	38.927		
12,700.00	7,084.30	7,335.47	7,158.67	164.86	41.45	-98.08	-639.41	-1,754.55	3,245.92	3,165.29	80.64	40.252		
12,800.00	7,083.13	7,337.21	7,160.41	167.65	41.45	-98.26	-639.33	-1,754.60	3,344.60	3,264.16	80.44	41.577		
12,900.00	7,081.97	7,338.96	7,162.15	170.44	41.46	-98.45	-639.26	-1,754.66	3,443.35	3,363.08	80.26	42.900		
13,000.00	7,080.81	7,340.72	7,163.91	173.23	41.46	-98.64	-639.18	-1,754.71	3,542.17	3,462.07	80.10	44.222		
13,100.00	7,079.64	7,342.48	7,165.67	176.02	41.47	-98.82	-639.10	-1,754.76	3,641.05	3,561.10	79.95	45.542		
13,200.00	7,078.48	7,344.26	7,167.44	178.81	41.48	-99.01	-639.02	-1,754.81	3,739.99	3,660.18	79.81	46.860		
13,300.00	7,077.32	7,346.04	7,169.23	181.61	41.48	-99.20	-638.94	-1,754.86	3,838.99	3,759.30	79.68	48.177		
13,400.00	7,076.16	7,347.84	7,171.02	184.40	41.49	-99.39	-638.86	-1,754.91	3,938.03	3,858.46	79.57	49.492		
13,500.00	7,074.99	7,349.64	7,172.82	187.20	41.49	-99.59	-638.78	-1,754.97	4,037.13	3,957.66	79.46	50.804		
13,600.00	7,073.83	7,351.46	7,174.63	190.00	41.50	-99.78	-638.70	-1,755.02	4,136.26	4,056.89	79.37	52.115		
13,700.00	7,072.67	7,353.28	7,176.45	192.80	41.50	-99.97	-638.62	-1,755.07	4,235.43	4,156.15	79.28	53.423		
13,800.00	7,071.50	7,355.11	7,178.28	195.60	41.51	-100.16	-638.54	-1,755.13	4,334.65	4,255.44	79.20	54.728		
13,900.00	7,070.34	7,356.95	7,180.12	198.41	41.51	-100.36	-638.45	-1,755.18	4,433.89	4,354.76	79.13	56.032		
14,000.00	7,069.18	7,358.81	7,181.97	201.21	41.52	-100.55	-638.37	-1,755.24	4,533.17	4,454.10	79.07	57.332		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
14,100.00	7,068.01	7,360.67	7,183.83	204.02	41.52	-100.75	-638.29	-1,755.29	4,632.48	4,553.47	79.01	58.631		
14,200.00	7,066.85	7,362.54	7,185.70	206.82	41.53	-100.95	-638.20	-1,755.35	4,731.82	4,652.86	78.96	59.926		
14,300.00	7,065.69	7,364.43	7,187.58	209.63	41.54	-101.15	-638.12	-1,755.40	4,831.19	4,752.27	78.92	61.219		
14,400.00	7,064.52	7,366.32	7,189.47	212.44	41.54	-101.35	-638.04	-1,755.46	4,930.58	4,851.70	78.88	62.509		
14,500.00	7,063.36	7,368.22	7,191.37	215.25	41.55	-101.55	-637.95	-1,755.52	5,029.99	4,951.14	78.84	63.796		
14,600.00	7,062.20	7,370.14	7,193.28	218.06	41.55	-101.75	-637.87	-1,755.57	5,129.42	5,050.61	78.82	65.080		
14,700.00	7,061.03	7,372.06	7,195.21	220.87	41.56	-101.95	-637.78	-1,755.63	5,228.88	5,150.09	78.79	66.362		
14,800.00	7,059.87	7,373.99	7,197.14	223.68	41.56	-102.15	-637.69	-1,755.69	5,328.36	5,249.58	78.78	67.640		
14,900.00	7,058.71	7,375.94	7,199.08	226.49	41.57	-102.36	-637.61	-1,755.75	5,427.85	5,349.09	78.76	68.915		
15,000.00	7,057.54	7,377.90	7,201.03	229.30	41.58	-102.56	-637.52	-1,755.81	5,527.36	5,448.61	78.75	70.187		
15,100.00	7,056.38	7,379.86	7,203.00	232.12	41.58	-102.76	-637.43	-1,755.87	5,626.89	5,548.15	78.75	71.457		
15,200.00	7,055.22	7,381.84	7,204.97	234.93	41.59	-102.97	-637.34	-1,755.93	5,726.44	5,647.69	78.74	72.722		
15,300.00	7,054.05	7,383.83	7,206.96	237.75	41.59	-103.18	-637.25	-1,755.99	5,826.00	5,747.25	78.75	73.985		
15,400.00	7,052.89	7,385.83	7,208.96	240.56	41.60	-103.39	-637.16	-1,756.05	5,925.57	5,846.82	78.75	75.244		
15,500.00	7,051.73	7,387.84	7,210.96	243.38	41.61	-103.59	-637.07	-1,756.11	6,025.16	5,946.40	78.76	76.500		
15,600.00	7,050.56	7,389.86	7,212.98	246.20	41.61	-103.80	-636.98	-1,756.17	6,124.76	6,045.99	78.77	77.753		
15,648.52	7,050.00	7,390.85	7,213.97	247.57	41.61	-103.91	-636.94	-1,756.20	6,173.09	6,094.32	78.78	78.360		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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	-75.31	241.92	-922.52	954.43					
100.00	100.00	60.66	60.66	3.28	3.29	-75.30	241.96	-922.57	953.77	947.20	6.57	145.107		
200.00	200.00	155.68	155.68	3.34	3.34	-75.29	242.30	-922.98	954.28	947.60	6.68	142.834		
300.00	300.00	267.72	267.71	3.44	3.47	-75.33	241.65	-923.39	954.50	947.59	6.91	138.090		
400.00	399.98	400.00	413.13	3.60	3.69	-167.30	233.65	-920.73	952.93	945.62	7.31	130.354		
500.00	499.84	583.43	580.91	3.80	4.17	-168.60	210.51	-907.63	945.96	937.92	8.04	117.633		
600.00	599.45	679.60	675.58	4.04	4.50	-169.46	195.99	-898.92	942.28	933.71	8.57	110.002		
643.58	642.75	721.32	716.67	4.15	4.66	-169.83	189.86	-895.18	941.89	933.07	8.82	106.800		
682.50	681.36	758.10	752.92	4.26	4.80	-170.15	184.51	-891.94	942.20	933.15	9.05	104.090		
700.00	698.71	774.82	769.40	4.32	4.87	-170.30	182.10	-890.48	942.50	933.33	9.16	102.883		
800.00	797.82	875.95	869.02	4.62	5.29	-171.23	167.06	-881.66	944.20	934.36	9.85	95.889		
900.00	896.93	1,002.84	993.21	4.95	5.90	-172.62	144.21	-869.54	944.82	934.09	10.74	87.992		
1,000.00	996.04	1,136.60	1,122.51	5.30	6.64	-174.39	114.32	-852.89	942.21	930.44	11.77	80.085		
1,100.00	1,095.15	1,248.01	1,228.97	5.67	7.34	-176.08	85.87	-836.52	937.48	924.72	12.75	73.519		
1,200.00	1,194.26	1,353.38	1,329.06	6.05	8.06	-177.79	57.31	-820.05	932.33	918.55	13.77	67.689		
1,300.00	1,293.37	1,453.24	1,423.77	6.45	8.76	-179.44	30.18	-803.80	927.29	912.49	14.81	62.628		
1,400.00	1,392.48	1,553.49	1,519.03	6.85	9.49	178.95	3.78	-787.13	922.74	906.87	15.87	58.132		
1,500.00	1,491.59	1,649.29	1,609.97	7.26	10.19	177.39	-21.57	-770.80	918.49	901.55	16.94	54.209		
1,600.00	1,590.70	1,748.12	1,703.95	7.68	10.92	175.80	-47.26	-754.24	915.29	897.23	18.06	50.687		
1,700.00	1,689.81	1,844.24	1,795.42	8.10	11.63	174.27	-71.74	-737.71	912.35	893.18	19.17	47.594		
1,800.00	1,788.92	1,940.58	1,887.53	8.53	12.33	172.83	-94.80	-721.45	910.34	890.06	20.28	44.882		
1,881.65	1,869.84	2,008.69	1,952.68	8.88	12.83	171.80	-111.24	-710.27	909.56	888.42	21.14	43.025		
1,900.00	1,888.03	2,023.46	1,966.78	8.96	12.94	171.56	-114.96	-707.96	909.61	888.27	21.33	42.642		
2,000.00	1,987.14	2,103.77	2,043.43	9.39	13.53	170.27	-135.83	-696.22	911.28	888.90	22.38	40.720		
2,100.00	2,086.25	2,196.91	2,132.52	9.83	14.22	168.78	-160.05	-683.87	914.97	891.45	23.53	38.893		
2,200.00	2,185.36	2,311.59	2,242.26	10.27	15.06	167.00	-189.18	-667.73	918.54	893.70	24.83	36.987		
2,300.00	2,284.47	2,407.11	2,333.63	10.71	15.77	165.54	-213.02	-653.36	921.72	895.71	26.01	35.437		
2,400.00	2,383.58	2,501.22	2,423.62	11.15	16.47	164.10	-236.76	-639.38	925.80	898.61	27.18	34.058		
2,500.00	2,482.69	2,596.26	2,514.57	11.60	17.18	162.67	-260.48	-625.33	930.53	902.16	28.37	32.803		
2,600.00	2,581.80	2,681.36	2,595.66	12.05	17.83	161.32	-283.30	-613.30	936.96	907.47	29.49	31.771		
2,700.00	2,680.91	2,785.01	2,693.88	12.50	18.65	159.60	-312.81	-598.27	944.29	913.49	30.80	30.659		
2,800.00	2,780.02	2,886.75	2,790.53	12.95	19.45	157.98	-340.56	-582.83	951.37	919.30	32.08	29.660		
2,900.00	2,879.13	2,971.77	2,871.95	13.40	20.09	156.78	-361.92	-570.86	959.45	926.26	33.18	28.913		
3,000.00	2,978.24	3,060.44	2,956.39	13.85	20.77	155.44	-386.25	-559.08	969.60	935.28	34.32	28.249		
3,100.00	3,077.35	3,168.13	3,059.20	14.30	21.59	153.90	-414.93	-544.68	980.05	944.43	35.63	27.509		
3,200.00	3,176.46	3,280.88	3,167.57	14.76	22.41	152.47	-441.86	-529.16	989.59	952.66	36.93	26.797		
3,300.00	3,275.57	3,476.55	3,259.13	15.21	24.02	146.69	-532.60	-473.81	996.11	957.09	39.01	25.531		
3,400.00	3,374.68	3,400.00	3,275.92	15.67	23.32	146.08	-542.74	-467.70	1,009.06	970.46	38.60	26.144		
3,500.00	3,473.79	3,704.48	3,439.40	16.12	25.63	142.46	-607.21	-426.67	1,019.89	978.43	41.46	24.597		
3,600.00	3,572.90	3,794.29	3,526.80	16.58	26.21	141.70	-623.93	-414.58	1,030.57	988.11	42.47	24.267		
3,700.00	3,672.01	3,896.90	3,626.54	17.04	26.89	140.83	-643.82	-400.98	1,042.08	998.50	43.57	23.916		
3,800.00	3,771.12	4,002.99	3,729.95	17.50	27.57	140.01	-662.93	-386.93	1,052.96	1,008.27	44.69	23.562		
3,900.00	3,870.23	4,083.03	3,808.46	17.95	28.04	139.54	-675.75	-378.23	1,064.60	1,019.03	45.57	23.363		
4,000.00	3,969.34	4,178.22	3,902.50	18.41	28.54	139.20	-688.62	-370.99	1,077.30	1,030.80	46.50	23.168		
4,100.00	4,068.45	4,277.25	4,000.72	18.87	29.02	139.00	-700.02	-365.54	1,090.38	1,042.96	47.41	22.997		
4,200.00	4,167.56	4,397.07	4,119.89	19.33	29.55	138.91	-710.67	-359.15	1,101.87	1,053.45	48.42	22.755		
4,300.00	4,266.67	4,497.44	4,220.03	19.79	29.94	139.02	-716.42	-355.74	1,112.94	1,063.67	49.27	22.587		
4,400.00	4,365.78	4,598.88	4,321.36	20.25	30.30	139.24	-720.39	-353.47	1,123.77	1,073.68	50.10	22.432		
4,500.00	4,464.89	4,708.42	4,430.89	20.71	30.63	139.65	-721.71	-352.80	1,134.21	1,083.31	50.90	22.282		
4,600.00	4,564.00	4,800.80	4,523.27	21.17	30.86	140.08	-721.27	-353.17	1,144.45	1,092.85	51.60	22.181		
4,700.00	4,663.11	4,896.13	4,618.59	21.63	31.09	140.54	-720.77	-354.17	1,155.23	1,102.94	52.29	22.091		
4,800.00	4,762.22	4,996.29	4,718.74	22.09	31.34	141.04	-719.85	-355.64	1,166.19	1,113.18	53.01	22.000		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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		
4,900.00	4,861.33	5,095.12	4,817.54	22.56	31.58	141.54	-718.54	-357.26	1,177.12	1,123.41	53.72	21.914		
5,000.00	4,960.44	5,191.17	4,913.55	23.02	31.82	142.06	-716.67	-359.53	1,188.37	1,133.96	54.41	21.841		
5,100.00	5,059.55	5,286.31	5,008.64	23.48	32.05	142.58	-714.85	-361.91	1,199.85	1,144.75	55.10	21.776		
5,200.00	5,158.66	5,378.93	5,101.23	23.94	32.30	143.01	-714.41	-363.88	1,211.94	1,156.15	55.79	21.724		
5,300.00	5,257.77	5,484.85	5,207.13	24.40	32.58	143.47	-714.25	-366.06	1,224.24	1,167.69	56.55	21.650		
5,400.00	5,356.88	5,599.70	5,321.95	24.87	32.89	144.02	-712.37	-368.00	1,235.47	1,178.13	57.34	21.547		
5,500.00	5,455.99	5,709.96	5,432.17	25.33	33.18	144.54	-709.62	-368.82	1,245.52	1,187.41	58.11	21.435		
5,600.00	5,555.10	5,798.48	5,520.65	25.79	33.42	144.97	-707.25	-369.69	1,255.77	1,196.98	58.79	21.362		
5,700.00	5,654.21	5,886.92	5,609.07	26.25	33.67	145.36	-705.83	-370.96	1,267.04	1,207.57	59.47	21.306		
5,800.00	5,753.32	5,992.22	5,714.37	26.72	34.01	145.71	-706.37	-371.15	1,278.48	1,218.20	60.28	21.211		
5,900.00	5,852.43	6,095.49	5,817.59	27.18	34.38	145.92	-708.77	-369.49	1,289.41	1,228.30	61.11	21.100		
6,000.00	5,951.54	6,194.21	5,916.30	27.64	34.73	146.18	-710.06	-368.53	1,300.36	1,238.45	61.91	21.004		
6,100.00	6,050.65	6,294.81	6,016.90	28.11	35.06	146.50	-710.14	-368.26	1,311.28	1,248.58	62.70	20.913		
6,200.00	6,149.76	6,386.29	6,108.38	28.57	35.35	146.80	-709.94	-368.35	1,322.40	1,258.98	63.43	20.849		
6,300.00	6,248.87	6,483.85	6,205.92	29.03	35.64	147.18	-708.59	-369.67	1,334.03	1,269.87	64.16	20.791		
6,400.00	6,347.98	6,577.44	6,299.44	29.50	35.90	147.62	-705.92	-371.95	1,345.91	1,281.05	64.86	20.751		
6,475.54	6,422.84	6,648.91	6,370.83	29.85	36.10	147.99	-703.31	-374.30	1,355.18	1,289.80	65.38	20.726		
6,500.00	6,447.14	6,672.19	6,394.07	29.96	36.16	146.85	-702.38	-375.15	1,357.82	1,292.27	65.55	20.713		
6,550.00	6,497.05	6,748.46	6,470.25	30.17	36.37	126.15	-699.21	-377.18	1,360.19	1,294.16	66.04	20.598		
6,600.00	6,547.02	6,799.46	6,521.21	30.37	36.52	-20.77	-697.27	-377.74	1,358.52	1,292.14	66.38	20.466		
6,650.00	6,596.75	6,845.28	6,567.01	30.55	36.66	-25.03	-696.13	-378.03	1,353.53	1,286.84	66.69	20.297		
6,700.00	6,645.93	6,883.23	6,604.96	30.74	36.78	-26.64	-695.61	-378.26	1,345.37	1,278.42	66.95	20.094		
6,750.00	6,694.25	6,919.59	6,641.31	30.93	36.89	-27.84	-695.48	-378.65	1,334.29	1,267.09	67.20	19.855		
6,800.00	6,741.43	6,957.32	6,679.04	31.12	37.01	-29.07	-695.65	-379.25	1,320.34	1,252.89	67.45	19.574		
6,850.00	6,787.16	6,997.24	6,718.94	31.32	37.14	-30.45	-695.78	-380.18	1,303.49	1,235.77	67.71	19.250		
6,900.00	6,831.16	7,036.88	6,758.57	31.52	37.27	-32.06	-695.77	-381.40	1,283.80	1,215.83	67.97	18.888		
6,950.00	6,873.17	7,078.95	6,800.61	31.74	37.39	-34.00	-695.48	-382.96	1,261.32	1,193.08	68.23	18.485		
7,000.00	6,912.92	7,119.20	6,840.82	31.96	37.52	-36.29	-694.90	-384.67	1,236.16	1,167.67	68.49	18.048		
7,050.00	6,950.18	7,154.84	6,876.40	32.21	37.62	-38.92	-694.01	-386.50	1,208.57	1,139.85	68.72	17.587		
7,100.00	6,984.70	7,188.75	6,910.22	32.48	37.71	-41.98	-692.72	-388.63	1,178.81	1,109.86	68.95	17.097		
7,150.00	7,016.29	7,225.24	6,946.57	32.77	37.81	-45.70	-690.92	-391.26	1,147.06	1,077.86	69.20	16.575		
7,200.00	7,044.73	7,264.41	6,985.60	33.10	37.92	-50.26	-688.90	-393.85	1,113.40	1,043.90	69.49	16.021		
7,250.00	7,069.86	7,298.74	7,019.83	33.46	38.01	-55.47	-687.13	-395.84	1,078.15	1,008.37	69.78	15.451		
7,300.00	7,091.53	7,322.98	7,043.99	33.86	38.08	-60.93	-685.85	-397.18	1,041.79	971.76	70.04	14.875		
7,350.00	7,109.59	7,344.03	7,064.99	34.30	38.14	-66.79	-684.68	-398.37	1,004.79	934.47	70.31	14.290		
7,400.00	7,123.94	7,361.45	7,082.35	34.78	38.18	-72.84	-683.69	-399.37	967.51	896.90	70.61	13.701		
7,450.00	7,134.49	7,375.11	7,095.95	35.29	38.22	-78.81	-682.88	-400.16	930.40	859.46	70.94	13.115		
7,500.00	7,141.18	7,384.88	7,105.70	35.84	38.25	-84.45	-682.30	-400.74	893.87	822.57	71.30	12.537		
7,550.00	7,143.95	7,390.70	7,111.49	36.42	38.26	-89.51	-681.94	-401.08	858.38	786.68	71.69	11.973		
7,567.79	7,144.00	7,391.80	7,112.59	36.63	38.27	-91.15	-681.87	-401.15	846.08	774.24	71.84	11.777		
7,600.00	7,143.62	7,393.34	7,114.12	37.03	38.27	-91.29	-681.78	-401.24	824.34	752.21	72.12	11.429		
7,700.00	7,142.46	7,398.13	7,118.90	38.38	38.28	-91.74	-681.48	-401.53	761.54	688.38	73.16	10.409		
7,800.00	7,141.29	7,402.98	7,123.72	39.88	38.30	-92.19	-681.18	-401.82	707.33	632.92	74.40	9.507		
7,900.00	7,140.13	7,407.87	7,128.60	41.53	38.31	-92.64	-680.88	-402.11	663.80	588.03	75.78	8.760		
8,000.00	7,138.97	7,412.82	7,133.53	43.30	38.32	-93.10	-680.56	-402.41	633.18	556.05	77.12	8.210		
8,100.00	7,137.80	7,417.82	7,138.51	45.18	38.34	-93.57	-680.25	-402.71	617.37	539.11	78.26	7.889		
8,149.08	7,137.23	7,420.29	7,140.97	46.15	38.34	-93.80	-680.09	-402.86	615.42	536.71	78.71	7.819 CC, ES		
8,200.00	7,136.64	7,422.87	7,143.54	47.16	38.35	-94.04	-679.92	-403.02	617.52	538.47	79.05	7.812 SF		
8,300.00	7,135.48	7,408.00	7,128.73	49.22	38.31	-92.65	-680.87	-402.12	633.90	554.22	79.68	7.955		
8,400.00	7,134.32	7,408.00	7,128.73	51.36	38.31	-92.65	-680.87	-402.12	664.93	585.10	79.84	8.329		
8,500.00	7,133.15	7,408.00	7,128.73	53.56	38.31	-92.65	-680.87	-402.12	708.83	629.08	79.75	8.888		
8,600.00	7,131.99	7,408.00	7,128.73	55.82	38.31	-92.65	-680.87	-402.12	763.37	683.87	79.50	9.602		

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 33C-6-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 33C-6-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		
8,700.00	7,130.83	7,408.00	7,128.73	58.13	38.31	-92.65	-680.87	-402.12	826.46	747.29	79.17	10.439		
8,800.00	7,129.66	7,408.00	7,128.73	60.49	38.31	-92.65	-680.87	-402.12	896.29	817.49	78.80	11.375		
8,900.00	7,128.50	7,408.00	7,128.73	62.89	38.31	-92.65	-680.87	-402.12	971.41	892.99	78.41	12.388		
9,000.00	7,127.34	7,408.00	7,128.73	65.32	38.31	-92.65	-680.87	-402.12	1,050.68	972.64	78.04	13.463		
9,100.00	7,126.17	7,408.00	7,128.73	67.79	38.31	-92.65	-680.87	-402.12	1,133.24	1,055.55	77.69	14.586		
9,200.00	7,125.01	7,408.00	7,128.73	70.28	38.31	-92.65	-680.87	-402.12	1,218.41	1,141.04	77.37	15.748		
9,300.00	7,123.85	7,408.00	7,128.73	72.80	38.31	-92.65	-680.87	-402.12	1,305.69	1,228.62	77.08	16.940		
9,400.00	7,122.68	7,408.00	7,128.73	75.34	38.31	-92.65	-680.87	-402.12	1,394.68	1,317.87	76.81	18.158		
9,500.00	7,121.52	7,408.00	7,128.73	77.91	38.31	-92.65	-680.87	-402.12	1,485.07	1,408.50	76.57	19.396		
9,600.00	7,120.36	7,408.00	7,128.73	80.49	38.31	-92.65	-680.87	-402.12	1,576.62	1,500.27	76.35	20.650		
9,700.00	7,119.19	7,408.00	7,128.73	83.09	38.31	-92.65	-680.87	-402.12	1,669.14	1,592.99	76.15	21.918		
9,800.00	7,118.03	7,408.00	7,128.73	85.70	38.31	-92.65	-680.87	-402.12	1,762.48	1,686.50	75.98	23.197		
9,900.00	7,116.87	7,408.00	7,128.73	88.33	38.31	-92.65	-680.87	-402.12	1,856.51	1,780.69	75.82	24.486		
10,000.00	7,115.70	7,408.00	7,128.73	90.98	38.31	-92.65	-680.87	-402.12	1,951.14	1,875.46	75.68	25.782		
10,100.00	7,114.54	7,408.00	7,128.73	93.63	38.31	-92.65	-680.87	-402.12	2,046.27	1,970.72	75.55	27.084		
10,200.00	7,113.38	7,408.00	7,128.73	96.29	38.31	-92.65	-680.87	-402.12	2,141.85	2,066.41	75.44	28.392		
10,300.00	7,112.21	7,408.00	7,128.73	98.97	38.31	-92.65	-680.87	-402.12	2,237.82	2,162.48	75.34	29.704		
10,400.00	7,111.05	7,408.00	7,128.73	101.65	38.31	-92.65	-680.87	-402.12	2,334.12	2,258.88	75.25	31.019		
10,500.00	7,109.89	7,408.00	7,128.73	104.34	38.31	-92.65	-680.87	-402.12	2,430.73	2,355.56	75.17	32.338		
10,600.00	7,108.72	7,408.00	7,128.73	107.04	38.31	-92.65	-680.87	-402.12	2,527.59	2,452.50	75.10	33.658		
10,700.00	7,107.56	7,408.00	7,128.73	109.75	38.31	-92.65	-680.87	-402.12	2,624.70	2,549.66	75.03	34.981		
10,800.00	7,106.40	7,408.00	7,128.73	112.47	38.31	-92.65	-680.87	-402.12	2,722.01	2,647.03	74.98	36.305		
10,900.00	7,105.24	7,408.00	7,128.73	115.19	38.31	-92.65	-680.87	-402.12	2,819.51	2,744.58	74.93	37.630		
11,000.00	7,104.07	7,408.00	7,128.73	117.91	38.31	-92.65	-680.87	-402.12	2,917.18	2,842.29	74.88	38.956		
11,100.00	7,102.91	7,408.00	7,128.73	120.64	38.31	-92.65	-680.87	-402.12	3,015.00	2,940.15	74.85	40.282		
11,200.00	7,101.75	7,408.00	7,128.73	123.38	38.31	-92.65	-680.87	-402.12	3,112.96	3,038.15	74.82	41.609		
11,300.00	7,100.58	7,408.00	7,128.73	126.12	38.31	-92.65	-680.87	-402.12	3,211.05	3,136.26	74.79	42.935		
11,400.00	7,099.42	7,408.00	7,128.73	128.87	38.31	-92.65	-680.87	-402.12	3,309.25	3,234.48	74.77	44.261		
11,500.00	7,098.26	7,408.00	7,128.73	131.62	38.31	-92.65	-680.87	-402.12	3,407.55	3,332.81	74.75	45.587		
11,600.00	7,097.09	7,408.00	7,128.73	134.37	38.31	-92.65	-680.87	-402.12	3,505.96	3,431.22	74.74	46.912		
11,700.00	7,095.93	7,408.00	7,128.73	137.13	38.31	-92.65	-680.87	-402.12	3,604.45	3,529.72	74.73	48.236		
11,800.00	7,094.77	7,408.00	7,128.73	139.89	38.31	-92.65	-680.87	-402.12	3,703.02	3,628.30	74.72	49.559		
11,900.00	7,093.60	7,408.00	7,128.73	142.65	38.31	-92.65	-680.87	-402.12	3,801.66	3,726.94	74.72	50.881		
12,000.00	7,092.44	7,408.00	7,128.73	145.42	38.31	-92.65	-680.87	-402.12	3,900.38	3,825.66	74.72	52.201		
12,100.00	7,091.28	7,408.00	7,128.73	148.19	38.31	-92.65	-680.87	-402.12	3,999.15	3,924.43	74.72	53.521		
12,200.00	7,090.11	7,408.00	7,128.73	150.96	38.31	-92.65	-680.87	-402.12	4,097.99	4,023.26	74.73	54.839		
12,300.00	7,088.95	7,408.00	7,128.73	153.74	38.31	-92.65	-680.87	-402.12	4,196.88	4,122.15	74.74	56.155		
12,400.00	7,087.79	7,408.00	7,128.73	156.52	38.31	-92.65	-680.87	-402.12	4,295.83	4,221.08	74.75	57.470		
12,500.00	7,086.62	7,408.00	7,128.73	159.30	38.31	-92.65	-680.87	-402.12	4,394.82	4,320.05	74.76	58.783		
12,600.00	7,085.46	7,408.00	7,128.73	162.08	38.31	-92.65	-680.87	-402.12	4,493.85	4,419.07	74.78	60.094		
12,700.00	7,084.30	7,408.00	7,128.73	164.86	38.31	-92.65	-680.87	-402.12	4,592.93	4,518.13	74.80	61.403		
12,800.00	7,083.13	7,408.00	7,128.73	167.65	38.31	-92.65	-680.87	-402.12	4,692.05	4,617.23	74.82	62.710		
12,900.00	7,081.97	7,408.00	7,128.73	170.44	38.31	-92.65	-680.87	-402.12	4,791.20	4,716.36	74.84	64.015		
13,000.00	7,080.81	7,408.00	7,128.73	173.23	38.31	-92.65	-680.87	-402.12	4,890.39	4,815.52	74.87	65.318		
13,100.00	7,079.64	7,408.00	7,128.73	176.02	38.31	-92.65	-680.87	-402.12	4,989.61	4,914.71	74.90	66.619		
13,200.00	7,078.48	7,408.00	7,128.73	178.81	38.31	-92.65	-680.87	-402.12	5,088.86	5,013.94	74.93	67.918		
13,300.00	7,077.32	7,408.00	7,128.73	181.61	38.31	-92.65	-680.87	-402.12	5,188.14	5,113.18	74.96	69.214		
13,400.00	7,076.16	7,408.00	7,128.73	184.40	38.31	-92.65	-680.87	-402.12	5,287.45	5,212.46	74.99	70.507		
13,500.00	7,074.99	7,408.00	7,128.73	187.20	38.31	-92.65	-680.87	-402.12	5,386.78	5,311.76	75.03	71.799		
13,600.00	7,073.83	7,408.00	7,128.73	190.00	38.31	-92.65	-680.87	-402.12	5,486.14	5,411.08	75.06	73.087		
13,700.00	7,072.67	7,408.00	7,128.73	192.80	38.31	-92.65	-680.87	-402.12	5,585.52	5,510.42	75.10	74.374		
13,800.00	7,071.50	7,408.00	7,128.73	195.60	38.31	-92.65	-680.87	-402.12	5,684.92	5,609.78	75.14	75.657		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 33C-6-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 33C-6-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

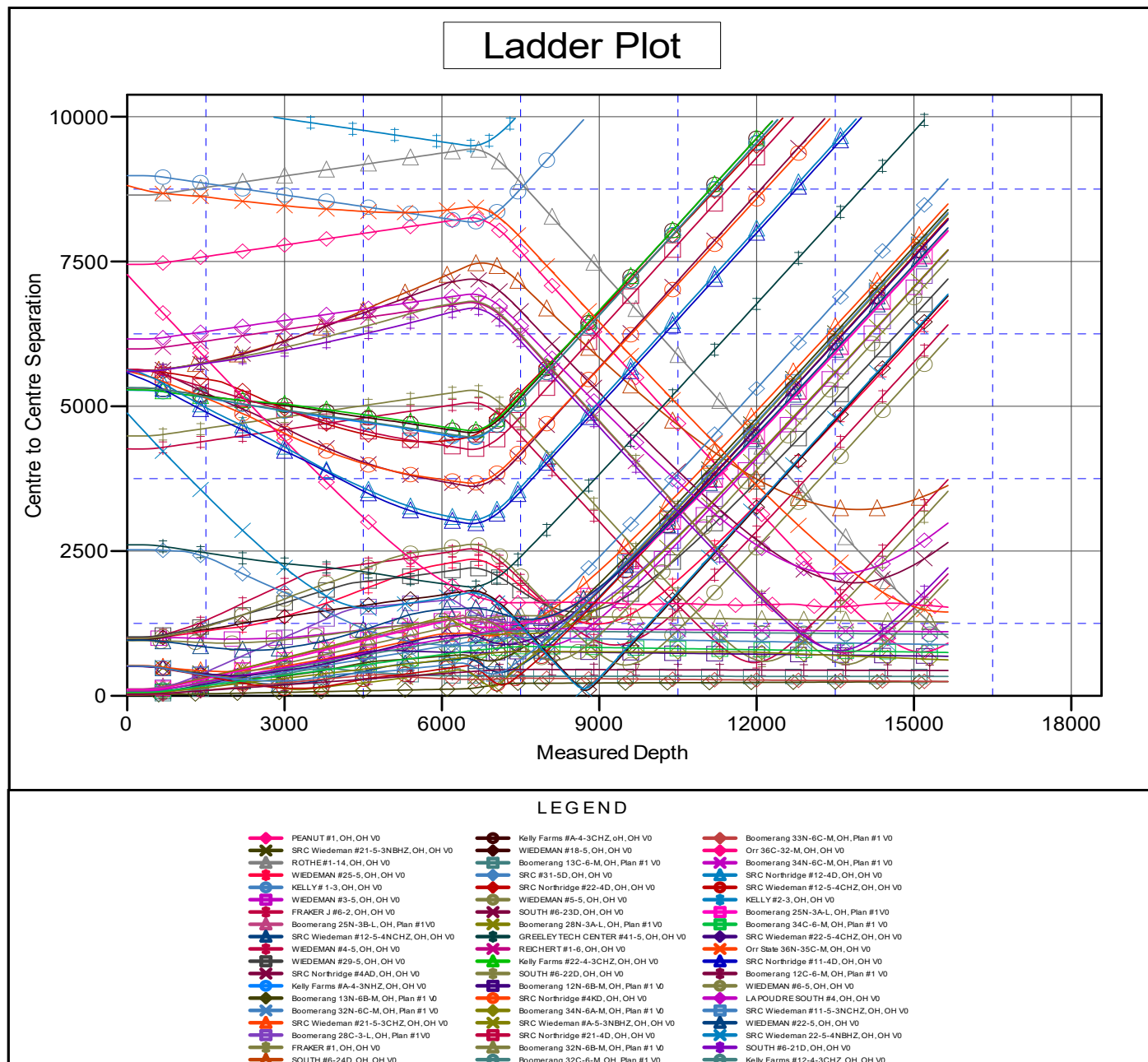
Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,070.34	7,408.00	7,128.73	198.41	38.31	-92.65	-680.87	-402.12	5,784.34	5,709.16	75.18	76.938		
14,000.00	7,069.18	7,408.00	7,128.73	201.21	38.31	-92.65	-680.87	-402.12	5,883.78	5,808.56	75.22	78.216		
14,100.00	7,068.01	7,408.00	7,128.73	204.02	38.31	-92.65	-680.87	-402.12	5,983.25	5,907.98	75.27	79.492		
14,200.00	7,066.85	7,408.00	7,128.73	206.82	38.31	-92.65	-680.87	-402.12	6,082.72	6,007.41	75.31	80.764		
14,300.00	7,065.69	7,408.00	7,128.73	209.63	38.31	-92.65	-680.87	-402.12	6,182.22	6,106.86	75.36	82.034		
14,400.00	7,064.52	7,408.00	7,128.73	212.44	38.31	-92.65	-680.87	-402.12	6,281.73	6,206.32	75.41	83.301		
14,500.00	7,063.36	7,408.00	7,128.73	215.25	38.31	-92.65	-680.87	-402.12	6,381.26	6,305.80	75.46	84.565		
14,600.00	7,062.20	7,408.00	7,128.73	218.06	38.31	-92.65	-680.87	-402.12	6,480.80	6,405.29	75.51	85.826		
14,700.00	7,061.03	7,408.00	7,128.73	220.87	38.31	-92.65	-680.87	-402.12	6,580.35	6,504.79	75.56	87.084		
14,800.00	7,059.87	7,408.00	7,128.73	223.68	38.31	-92.65	-680.87	-402.12	6,679.92	6,604.30	75.62	88.339		
14,900.00	7,058.71	7,408.00	7,128.73	226.49	38.31	-92.65	-680.87	-402.12	6,779.50	6,703.83	75.67	89.591		
15,000.00	7,057.54	7,408.00	7,128.73	229.30	38.31	-92.65	-680.87	-402.12	6,879.09	6,803.36	75.73	90.839		
15,100.00	7,056.38	7,408.00	7,128.73	232.12	38.31	-92.65	-680.87	-402.12	6,978.70	6,902.91	75.79	92.085		
15,200.00	7,055.22	7,408.00	7,128.73	234.93	38.31	-92.65	-680.87	-402.12	7,078.31	7,002.47	75.84	93.327		
15,300.00	7,054.05	7,408.00	7,128.73	237.75	38.31	-92.65	-680.87	-402.12	7,177.94	7,102.04	75.90	94.567		
15,400.00	7,052.89	7,408.00	7,128.73	240.56	38.31	-92.65	-680.87	-402.12	7,277.58	7,201.61	75.96	95.803		
15,500.00	7,051.73	7,408.00	7,128.73	243.38	38.31	-92.65	-680.87	-402.12	7,377.22	7,301.20	76.03	97.035		
15,600.00	7,050.56	7,408.00	7,128.73	246.20	38.31	-92.65	-680.87	-402.12	7,476.88	7,400.79	76.09	98.265		
15,648.52	7,050.00	7,408.00	7,128.73	247.57	38.31	-92.65	-680.87	-402.12	7,525.24	7,449.12	76.12	98.860		

Company: Synergy Resources Corporation
Project: SEC 5-T5N-R66W
Reference Site: Boomerang 21-5
Site Error: 3.28 ft
Reference Well: Boomerang 33C-6-M
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 33C-6-M
TVD Reference: GL 4770+KB 20 @ 4790.00ft
MD Reference: GL 4770+KB 20 @ 4790.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to GL 4770+KB 20 @ 4790.00ft
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 33C-6-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 33C-6-M
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 33C-6-M
TVD Reference: GL 4770+KB 20 @ 4790.00ft
MD Reference: GL 4770+KB 20 @ 4790.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

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

Offset Depths are relative to Offset Datum

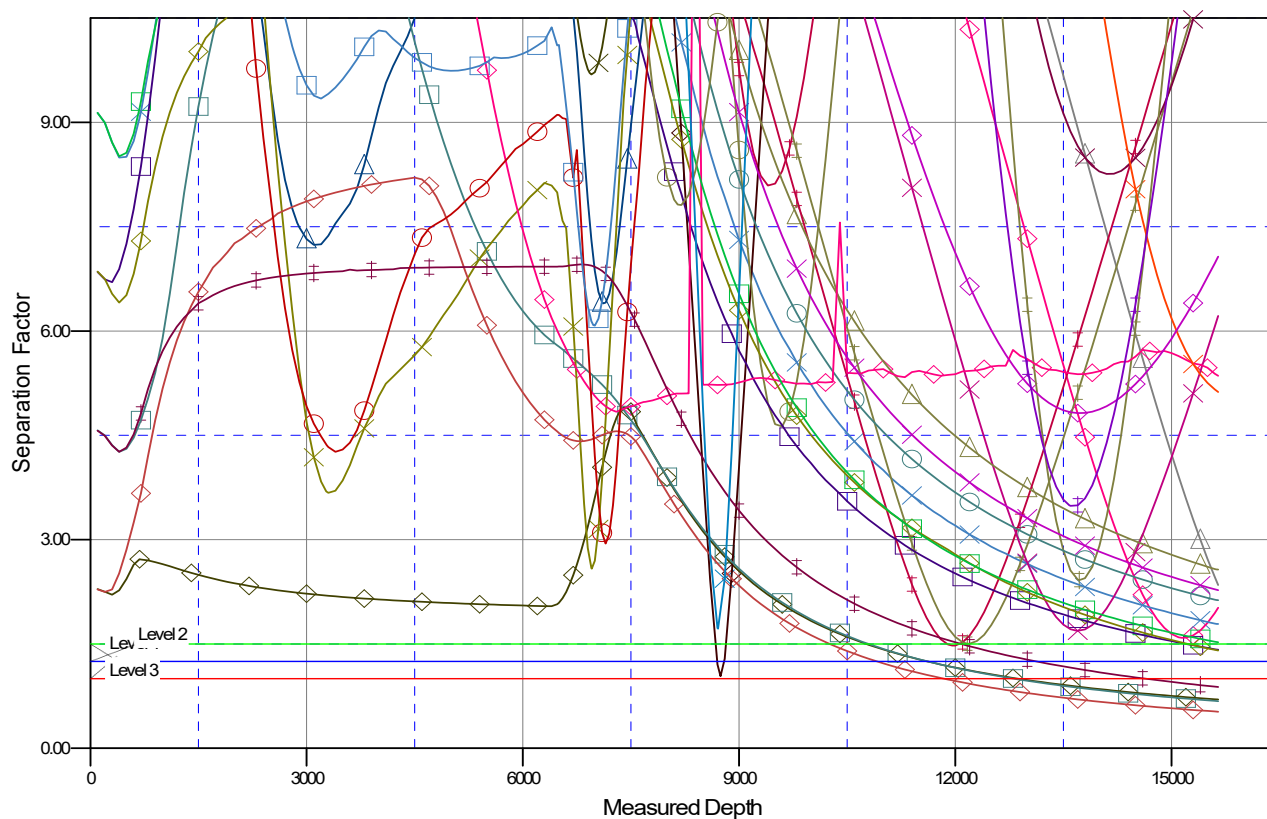
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 33C-6-M

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

- | | | |
|-------------------------------------|--------------------------------------|-------------------------------------|
| PEANUT #1, OH, OH V0 | Kelly Farms #A-4-3CHZ, OH, OH V0 | Boomerang 33N-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, Plan #1 V0 |
| SRC Wiedeman #12-5-4NCHZ, OH, OH V0 | GREELEY TECH CENTER #41-5, OH, OH V0 | SRC Wiedeman #22-5-4CHZ, OH, OH V0 |
| WIEDEMAN #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 |
| SRC Northridge #4AD, OH, OH V0 | SOUTH #6-22D, OH, OH V0 | Boomerang 12C-6-M, OH, Plan #1 V0 |
| Kelly Farms #A-4-3NHZ, OH, OH V0 | Boomerang 12N-6B-M, OH, Plan #1 V0 | WIEDEMAN #6-5, OH, OH V0 |
| Boomerang 13N-6B-M, OH, Plan #1 V0 | SRC Northridge #4KD, OH, OH V0 | LAPOUDRE SOUTH #4, OH, OH V0 |
| Boomerang 32N-6C-M, OH, Plan #1 V0 | Boomerang 34N-6A-M, OH, Plan #1 V0 | SRC Wiedeman #11-5-3NCHZ, OH, OH V0 |
| 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 |