



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 13C-6-M

OH

Plan #1

Anticollision Report

07 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4/7/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	15,687.75	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	60.02	53.13	8.712	CC, ES
Boomerang 12C-6-M - OH - Plan #1	15,677.40	15,712.58	774.33	276.72	1.556	SF
Boomerang 12N-6B-M - OH - Plan #1	200.00	200.00	75.03	68.36	11.242	CC, ES
Boomerang 12N-6B-M - OH - Plan #1	15,687.75	15,618.10	1,011.85	520.14	2.058	SF
Boomerang 13N-6B-M - OH - Plan #1	274.23	274.24	14.97	8.15	2.194	CC
Boomerang 13N-6B-M - OH - Plan #1	15,687.75	15,462.32	253.30	-104.46	0.708	Level 1, ES, SF
Boomerang 25N-3A-L - OH - Plan #1	300.00	300.00	135.20	128.31	19.623	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	500.00	490.48	144.05	136.44	18.928	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	150.09	143.42	22.489	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	400.00	389.80	157.21	149.99	21.773	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	75.04	68.36	11.243	CC, ES
Boomerang 28C-3-L - OH - Plan #1	300.00	297.44	76.72	69.83	11.132	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	60.03	53.36	8.995	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	300.00	297.95	61.71	54.82	8.953	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	105.06	98.39	15.742	CC, ES
Boomerang 32C-6-M - OH - Plan #1	15,687.75	15,846.35	1,399.34	899.41	2.799	SF
Boomerang 32N-6B-M - OH - Plan #1	300.00	300.00	120.06	113.17	17.426	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	15,687.75	15,738.53	1,608.57	1,110.40	3.229	SF
Boomerang 32N-6C-M - OH - Plan #1	300.00	300.00	90.06	83.17	13.071	CC, ES
Boomerang 32N-6C-M - OH - Plan #1	15,687.75	15,706.13	1,219.43	722.04	2.452	SF
Boomerang 33C-6-M - OH - Plan #1	300.00	300.00	30.03	23.14	4.359	CC
Boomerang 33C-6-M - OH - Plan #1	15,682.97	15,651.43	336.18	-159.84	0.678	Level 1, ES, SF
Boomerang 33N-6C-M - OH - Plan #1	200.00	200.00	45.03	38.36	6.747	CC, ES
Boomerang 33N-6C-M - OH - Plan #1	15,678.86	15,596.95	567.61	46.55	1.089	Level 2, SF
Boomerang 34C-6-M - OH - Plan #1	300.00	300.00	30.00	23.11	4.355	CC
Boomerang 34C-6-M - OH - Plan #1	15,687.75	15,642.94	413.49	-79.69	0.838	Level 1, ES, SF
Boomerang 34N-6A-M - OH - Plan #1	300.00	300.00	15.00	8.11	2.177	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	15,687.75	15,334.19	363.68	43.94	1.137	Level 2, SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	45.03	38.36	6.748	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	15,687.75	15,507.25	775.63	289.60	1.596	SF
FRAKER #1 - OH - OH	12,197.49	7,112.37	259.14	-138.19	0.652	Level 1, CC
FRAKER #1 - OH - OH	12,200.00	7,112.33	259.15	-138.22	0.652	Level 1, ES, SF
FRAKER J #6-2 - OH - OH	11,989.52	7,071.37	911.41	521.30	2.336	CC
FRAKER J #6-2 - OH - OH	12,000.00	7,071.22	911.47	521.07	2.335	ES, SF
GREELEY TECH CENTER #41-5 - OH - OH	6,123.17	6,012.87	2,107.62	2,053.61	39.028	CC
GREELEY TECH CENTER #41-5 - OH - OH	6,639.95	6,525.01	2,111.04	2,052.82	36.262	ES
GREELEY TECH CENTER #41-5 - OH - OH	6,850.00	6,725.11	2,139.55	2,079.72	35.760	SF

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	6,639.95	6,503.45	8,197.72	7,943.35	32.228	CC
KELLY # 1-3 - OH - OH	6,650.00	6,513.50	8,197.80	7,943.04	32.178	ES
KELLY # 1-3 - OH - OH	7,200.00	7,005.99	8,427.96	8,154.68	30.839	SF
KELLY #2-3 - OH - OH	6,639.95	6,487.45	9,569.00	9,314.93	37.664	CC
KELLY #2-3 - OH - OH	6,650.00	6,502.50	9,569.08	9,314.45	37.580	ES
KELLY #2-3 - OH - OH	7,250.00	7,008.33	9,838.72	9,564.98	35.942	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,041.10	5,914.04	4,478.36	4,426.50	86.353	CC
Kelly Farms #12-4-3CHZ - OH - OH	6,400.00	6,253.00	4,478.52	4,423.78	81.809	ES
Kelly Farms #12-4-3CHZ - OH - OH	6,850.00	6,431.00	4,528.71	4,471.45	79.092	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,350.90	6,226.56	4,570.08	4,515.21	83.284	CC
Kelly Farms #22-4-3CHZ - OH - OH	6,500.00	6,349.00	4,570.36	4,514.35	81.598	ES
Kelly Farms #22-4-3CHZ - OH - OH	6,850.00	6,474.81	4,613.22	4,555.29	79.632	SF
Kelly Farms #A-4-3CHZ - oH - OH	6,439.60	6,331.60	4,570.24	4,514.30	81.702	CC
Kelly Farms #A-4-3CHZ - oH - OH	6,500.00	6,363.48	4,570.40	4,514.07	81.131	ES
Kelly Farms #A-4-3CHZ - oH - OH	6,900.00	6,530.00	4,634.17	4,575.63	79.165	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,157.78	6,059.38	4,482.74	4,427.62	81.330	CC
Kelly Farms #A-4-3NHZ - OH - OH	6,200.00	6,082.00	4,482.81	4,427.42	80.934	ES
Kelly Farms #A-4-3NHZ - OH - OH	6,750.00	6,260.00	4,512.74	4,454.41	77.368	SF
LA POUDRE SOUTH #4 - OH - OH	13,567.43	7,115.60	2,444.04	2,008.42	5.610	CC
LA POUDRE SOUTH #4 - OH - OH	13,600.00	7,115.13	2,444.26	2,007.73	5.599	ES
LA POUDRE SOUTH #4 - OH - OH	13,800.00	7,112.24	2,455.08	2,013.75	5.563	SF
Orr 36C-32-M - OH - OH	7,321.85	16,175.00	1,946.80	1,614.50	5.859	SF
Orr 36C-32-M - OH - OH	15,687.75	7,724.25	1,867.56	1,580.63	6.509	CC, ES
Orr State 36N-35C-M - OH - OH	15,681.97	7,443.08	1,784.00	1,500.09	6.284	CC
Orr State 36N-35C-M - OH - OH	15,687.75	7,446.20	1,784.02	1,499.88	6.279	ES, SF
PEANUT #1 - OH - OH	15,175.42	7,046.39	1,094.61	616.25	2.288	CC
PEANUT #1 - OH - OH	15,200.00	7,046.04	1,094.89	615.87	2.286	ES, SF
REICHERT #1-6 - OH - OH	13,709.41	7,115.55	1,078.16	638.56	2.453	CC, ES
REICHERT #1-6 - OH - OH	13,800.00	7,114.24	1,081.96	640.39	2.450	SF
ROTHE #1-14 - OH - OH	15,687.75	7,085.00	786.25	411.46	2.098	CC, ES, SF
SOUTH #6-21D - OH - OH	13,611.22	7,350.00	1,118.57	894.06	4.982	CC, ES
SOUTH #6-21D - OH - OH	13,700.00	7,350.00	1,122.09	894.77	4.936	SF
SOUTH #6-22D - OH - OH	13,752.81	7,147.37	209.72	-16.97	0.925	Level 1, CC, ES, SF
SOUTH #6-23D - OH - OH	13,889.06	7,191.40	1,615.54	1,382.89	6.944	CC
SOUTH #6-23D - OH - OH	13,900.00	7,191.37	1,615.58	1,382.58	6.934	ES
SOUTH #6-23D - OH - OH	14,100.00	7,190.80	1,629.26	1,391.47	6.852	SF
SOUTH #6-24D - OH - OH	13,996.32	13,996.32	2,902.82	2,632.30	10.731	CC
SOUTH #6-24D - OH - OH	14,000.00	14,000.00	2,902.82	2,632.13	10.724	ES
SOUTH #6-24D - OH - OH	14,500.00	14,500.00	2,944.59	2,656.55	10.223	SF
SRC #31-5D - OH - OH	6,167.93	6,309.48	1,211.39	1,154.25	21.202	CC
SRC #31-5D - OH - OH	6,200.00	6,335.70	1,211.47	1,154.15	21.137	ES
SRC #31-5D - OH - OH	7,150.00	7,217.87	1,268.05	1,202.67	19.394	SF
SRC Northridge #11-4D - OH - OH	6,648.65	7,039.71	3,114.40	2,982.42	23.597	CC
SRC Northridge #11-4D - OH - OH	6,650.00	7,040.90	3,114.40	2,982.41	23.596	ES
SRC Northridge #11-4D - OH - OH	6,700.00	7,084.84	3,116.41	2,984.18	23.568	SF
SRC Northridge #12-4D - OH - OH	6,642.71	6,802.08	3,032.02	2,971.49	50.091	CC
SRC Northridge #12-4D - OH - OH	6,650.00	6,809.02	3,032.07	2,971.48	50.048	ES
SRC Northridge #12-4D - OH - OH	6,850.00	7,033.03	3,064.86	3,002.74	49.339	SF
SRC Northridge #21-4D - OH - OH	6,645.81	6,750.17	4,368.08	4,293.55	58.605	CC
SRC Northridge #21-4D - OH - OH	6,650.00	6,754.03	4,368.10	4,293.54	58.584	ES
SRC Northridge #21-4D - OH - OH	6,900.00	7,017.43	4,416.82	4,340.72	58.033	SF
SRC Northridge #22-4D - OH - OH	5,156.84	5,065.90	4,231.95	4,188.90	98.292	CC, ES
SRC Northridge #22-4D - OH - OH	6,000.00	5,065.90	4,315.13	4,269.46	94.473	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
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 13C-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 Northridge #4AD - OH - OH	6,660.98	6,810.13	3,666.67	3,598.17	53.528	CC, ES
SRC Northridge #4AD - OH - OH	6,850.00	6,983.56	3,694.36	3,624.70	53.036	SF
SRC Northridge #4KD - OH - OH	6,183.26	6,262.41	3,597.50	3,521.43	47.291	CC
SRC Northridge #4KD - OH - OH	6,639.95	6,700.91	3,598.58	3,519.66	45.602	ES
SRC Northridge #4KD - OH - OH	6,750.00	6,815.47	3,608.02	3,528.46	45.354	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	1,836.11	1,763.06	294.02	276.61	16.888	CC, ES
SRC Wiedeman #11-5-3CHZ - OH - OH	7,050.00	6,999.65	720.78	658.28	11.532	SF
SRC Wiedeman #12-5-4CHZ - OH - OH	7,174.01	7,075.54	152.26	88.79	2.399	CC, ES, SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	7,141.56	7,096.80	66.80	3.25	1.051	Level 2, CC, ES, SF
SRC Wiedeman #21-5-3CHZ - OH - OH	1,433.56	1,361.22	448.88	434.82	31.909	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	1,500.00	1,427.05	449.40	434.72	30.615	ES
SRC Wiedeman #21-5-3CHZ - OH - OH	7,150.00	7,058.86	1,392.83	1,328.40	21.619	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,765.16	1,696.09	359.15	342.37	21.405	CC
SRC Wiedeman #21-5-3NBHZ - OH - OH	1,800.00	1,729.59	359.34	342.23	21.004	ES
SRC Wiedeman #21-5-3NBHZ - OH - OH	7,050.00	6,970.89	947.86	885.35	15.164	SF
SRC Wiedeman #22-5-4CHZ - OH - OH	2,326.95	2,265.81	93.38	70.84	4.144	CC, ES, SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,175.26	2,107.65	266.45	245.68	12.825	CC
SRC Wiedeman #A-5-3NBHZ - OH - OH	2,200.00	2,131.64	266.56	245.55	12.687	ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	7,000.00	6,975.95	502.23	439.88	8.055	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	7,312.89	8,398.43	88.34	-2.34	0.974	Level 1, CC, ES, SF
WIEDEMAN #18-5 - OH - OH	8,774.72	7,151.95	430.95	340.58	4.769	CC, ES
WIEDEMAN #18-5 - OH - OH	8,800.00	7,151.94	431.69	340.69	4.744	SF
WIEDEMAN #22-5 - OH - OH	1,072.05	1,289.84	926.15	913.82	75.141	CC
WIEDEMAN #22-5 - OH - OH	7,600.00	7,540.30	989.67	911.00	12.581	SF
WIEDEMAN #22-5 - OH - OH	7,700.00	7,543.06	984.02	906.07	12.623	ES
WIEDEMAN #25-5 - OH - OH	8,965.52	7,414.69	902.63	804.43	9.192	CC
WIEDEMAN #25-5 - OH - OH	9,000.00	7,414.99	903.29	804.15	9.112	ES
WIEDEMAN #25-5 - OH - OH	9,100.00	7,415.86	912.59	810.91	8.976	SF
WIEDEMAN #29-5 - OH - OH	100.00	59.88	1,025.60	1,019.03	156.041	CC, ES
WIEDEMAN #29-5 - OH - OH	9,200.00	7,237.84	1,873.48	1,773.23	18.688	SF
WIEDEMAN #3-5 - OH - OH	573.25	633.79	1,004.80	996.50	121.058	CC, ES
WIEDEMAN #3-5 - OH - OH	8,300.00	7,182.98	1,238.15	1,155.95	15.061	SF
WIEDEMAN #4-5 - OH - OH	100.00	56.12	1,015.67	1,009.10	154.553	CC, ES
WIEDEMAN #4-5 - OH - OH	9,600.00	7,193.14	1,245.71	1,131.85	10.941	SF
WIEDEMAN #5-5 - OH - OH	9,529.13	7,288.25	193.96	79.19	1.690	CC, ES, SF
WIEDEMAN #6-5 - OH - OH	8,180.49	7,420.98	276.53	197.33	3.492	CC, ES, 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	5.59	59.74	5.85	60.02				
100.00	100.00	100.00	100.00	3.28	3.28	5.59	59.74	5.85	60.02	53.45	6.57	9.137	
200.00	200.00	200.00	200.00	3.34	3.34	5.59	59.74	5.85	60.02	53.35	6.67	8.993	
300.00	300.00	300.00	300.00	3.44	3.44	5.59	59.74	5.85	60.02	53.13	6.89	8.712	CC, ES
400.00	399.98	398.98	398.96	3.60	3.60	-108.17	60.41	7.42	61.40	54.20	7.20	8.528	
500.00	499.84	497.84	497.69	3.79	3.80	-108.47	62.44	12.12	65.53	57.93	7.60	8.626	
600.00	599.45	596.48	595.96	4.03	4.04	-108.88	65.81	19.92	72.41	64.33	8.08	8.966	
700.00	698.70	694.79	693.54	4.30	4.31	-109.32	70.50	30.78	82.02	73.39	8.62	9.509	

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

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 13C-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		
800.00	797.47	806.57	791.08	4.61	4.65	-110.01	76.34	44.31	94.13	84.85	9.28	10.148		
900.00	895.62	907.57	888.91	4.96	4.99	-112.04	82.35	58.22	107.67	97.73	9.95	10.825		
1,000.00	993.06	991.06	986.38	5.34	5.28	-115.03	88.33	72.07	122.79	112.18	10.61	11.577		
1,100.00	1,089.64	1,089.21	1,083.37	5.75	5.65	-118.54	94.28	85.86	139.84	128.47	11.36	12.309		
1,110.48	1,099.71	1,100.54	1,093.51	5.80	5.69	-118.93	94.90	87.30	141.75	130.30	11.45	12.383		
1,200.00	1,185.67	1,187.02	1,180.03	6.20	6.02	-122.14	100.21	99.59	158.45	146.30	12.15	13.043		
1,300.00	1,281.70	1,284.83	1,276.69	6.67	6.41	-125.01	106.14	113.33	177.56	164.60	12.96	13.701		
1,400.00	1,377.72	1,382.63	1,373.34	7.16	6.81	-127.33	112.07	127.07	197.02	183.23	13.79	14.286		
1,500.00	1,473.75	1,480.44	1,470.00	7.66	7.21	-129.22	118.00	140.81	216.74	202.09	14.64	14.804		
1,600.00	1,569.77	1,578.25	1,566.65	8.17	7.62	-130.80	123.93	154.54	236.64	221.14	15.50	15.263		
1,700.00	1,665.80	1,676.05	1,663.31	8.69	8.04	-132.14	129.86	168.28	256.69	240.31	16.38	15.672		
1,800.00	1,761.82	1,773.86	1,759.96	9.22	8.46	-133.28	135.79	182.02	276.86	259.60	17.26	16.037		
1,900.00	1,857.85	1,871.67	1,856.62	9.76	8.88	-134.26	141.72	195.76	297.12	278.96	18.16	16.363		
2,000.00	1,953.87	1,969.48	1,953.27	10.30	9.31	-135.12	147.65	209.49	317.45	298.39	19.06	16.657		
2,100.00	2,049.90	2,067.28	2,049.93	10.84	9.74	-135.88	153.58	223.23	337.84	317.88	19.97	16.921		
2,200.00	2,145.92	2,165.09	2,146.59	11.39	10.18	-136.55	159.51	236.97	358.29	337.41	20.88	17.161		
2,300.00	2,241.94	2,262.90	2,243.24	11.95	10.61	-137.15	165.44	250.71	378.77	356.97	21.80	17.378		
2,400.00	2,337.97	2,360.70	2,339.90	12.50	11.05	-137.69	171.38	264.45	399.29	376.57	22.72	17.576		
2,500.00	2,433.99	2,458.51	2,436.55	13.06	11.49	-138.17	177.31	278.18	419.84	396.20	23.64	17.758		
2,600.00	2,530.02	2,556.32	2,533.21	13.63	11.94	-138.61	183.24	291.92	440.42	415.85	24.57	17.924		
2,700.00	2,626.04	2,654.12	2,628.86	14.19	12.38	-139.01	189.17	305.66	461.02	435.51	25.50	18.077		
2,800.00	2,722.07	2,751.93	2,726.52	14.76	12.82	-139.38	195.10	319.40	481.64	455.20	26.44	18.217		
2,900.00	2,818.09	2,849.74	2,823.17	15.32	13.27	-139.71	201.03	333.13	502.27	474.90	27.38	18.348		
3,000.00	2,914.12	2,947.54	2,919.83	15.89	13.72	-140.02	206.96	346.87	522.92	494.61	28.31	18.469		
3,100.00	3,010.14	3,045.35	3,016.48	16.46	14.16	-140.31	212.89	360.61	543.59	514.33	29.26	18.581		
3,200.00	3,106.17	3,143.16	3,113.14	17.03	14.61	-140.57	218.82	374.35	564.27	534.07	30.20	18.686		
3,298.02	3,200.29	3,239.03	3,207.88	17.59	15.05	-140.81	224.63	387.81	584.54	553.42	31.12	18.782		
3,300.00	3,202.19	3,240.96	3,209.80	17.60	15.06	-140.82	224.75	388.08	584.95	553.81	31.14	18.783		
3,400.00	3,298.70	3,339.07	3,306.75	18.16	15.51	-141.19	230.70	401.86	604.27	572.18	32.08	18.835		
3,500.00	3,396.07	3,437.66	3,404.18	18.68	15.97	-141.31	236.68	415.71	620.91	587.89	33.02	18.806		
3,600.00	3,494.17	3,536.63	3,501.98	19.18	16.42	-141.20	242.68	429.61	634.86	600.92	33.94	18.703		
3,700.00	3,592.88	3,635.85	3,600.03	19.64	16.88	-140.87	248.69	443.55	646.15	611.29	34.86	18.533		
3,800.00	3,692.10	3,735.20	3,698.21	20.08	17.34	-140.33	254.72	457.50	654.81	619.03	35.78	18.303		
3,900.00	3,791.69	3,834.55	3,796.40	20.49	17.80	-139.58	260.74	471.46	660.90	624.22	36.68	18.018		
4,000.00	3,891.53	3,933.80	3,894.47	20.88	18.26	-138.63	266.76	485.40	664.50	626.93	37.57	17.685		
4,108.50	4,000.00	4,041.21	4,000.62	21.27	18.76	-23.69	273.27	500.48	665.74	627.21	38.53	17.279		
4,134.86	4,026.36	4,067.26	4,026.36	21.36	18.88	-23.35	274.85	504.14	665.73	626.97	38.76	17.177		
4,200.00	4,091.50	4,131.63	4,089.98	21.58	19.18	-22.50	278.76	513.18	665.80	626.48	39.32	16.931		
4,300.00	4,191.50	4,230.45	4,187.64	21.92	19.64	-21.20	284.75	527.06	666.20	626.01	40.20	16.574		
4,400.00	4,291.50	4,329.28	4,285.30	22.27	20.10	-19.90	290.74	540.94	666.96	625.89	41.07	16.240		
4,500.00	4,391.50	4,428.10	4,382.96	22.62	20.56	-18.61	296.73	554.82	668.07	626.12	41.95	15.927		
4,600.00	4,491.50	4,526.92	4,480.62	22.97	21.02	-17.32	302.73	568.70	669.52	626.69	42.82	15.634		
4,700.00	4,591.50	4,625.74	4,578.27	23.33	21.48	-16.04	308.72	582.58	671.32	627.61	43.70	15.361		
4,800.00	4,691.50	4,724.57	4,675.93	23.69	21.94	-14.76	314.71	596.47	673.46	628.87	44.58	15.106		
4,900.00	4,791.50	4,823.39	4,773.59	24.05	22.40	-13.49	320.70	610.35	675.94	630.48	45.46	14.868		
5,000.00	4,891.50	4,922.21	4,871.25	24.42	22.86	-12.23	326.69	624.23	678.75	632.41	46.34	14.646		
5,100.00	4,991.50	5,021.04	4,968.91	24.78	23.32	-10.99	332.69	638.11	681.90	634.68	47.22	14.439		
5,200.00	5,091.50	5,119.86	5,066.57	25.15	23.78	-9.75	338.68	651.99	685.38	637.27	48.11	14.247		
5,300.00	5,191.50	5,218.68	5,164.23	25.53	24.24	-8.53	344.67	665.87	689.18	640.19	48.99	14.069		
5,400.00	5,291.50	5,317.50	5,261.89	25.90	24.71	-7.32	350.66	679.75	693.29	643.42	49.87	13.903		
5,500.00	5,391.50	5,416.33	5,359.55	26.28	25.17	-6.13	356.65	693.63	697.72	646.97	50.75	13.749		
5,600.00	5,491.50	5,515.15	5,457.21	26.65	25.63	-4.95	362.65	707.51	702.45	650.82	51.63	13.607		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,700.00	5,591.50	5,613.97	5,554.87	27.03	26.09	-3.78	368.64	721.39	707.48	654.97	52.50	13.475		
5,800.00	5,691.50	5,712.80	5,652.53	27.41	26.56	-2.64	374.63	735.27	712.80	659.42	53.38	13.353		
5,900.00	5,791.50	5,811.62	5,750.19	27.80	27.02	-1.51	380.62	749.15	718.41	664.15	54.26	13.241		
6,000.00	5,891.50	5,910.44	5,847.85	28.18	27.48	-0.39	386.62	763.03	724.30	669.16	55.13	13.137		
6,100.00	5,991.50	6,009.26	5,945.51	28.57	27.94	0.70	392.61	776.91	730.46	674.45	56.01	13.042		
6,200.00	6,091.50	6,108.09	6,043.17	28.96	28.41	1.78	398.60	790.79	736.89	680.01	56.88	12.954		
6,300.00	6,191.50	6,206.91	6,140.83	29.35	28.87	2.83	404.59	804.67	743.58	685.82	57.76	12.875		
6,400.00	6,291.50	6,305.73	6,238.49	29.74	29.33	3.87	410.58	818.55	750.52	691.89	58.63	12.801		
6,500.00	6,391.50	6,404.56	6,336.15	30.13	29.80	4.89	416.58	832.43	757.70	698.20	59.50	12.735		
6,600.00	6,491.50	6,508.55	6,439.01	30.52	30.28	5.89	422.86	846.27	765.04	704.63	60.41	12.664		
6,639.95	6,531.45	6,556.31	6,486.62	30.68	30.48	6.06	425.64	848.85	767.58	706.77	60.81	12.623		
6,650.00	6,541.50	6,568.37	6,498.66	30.72	30.53	97.86	426.32	848.94	768.16	707.26	60.90	12.614		
6,700.00	6,591.41	6,628.41	6,558.51	30.90	30.77	97.61	429.60	845.98	771.00	709.65	61.35	12.567		
6,750.00	6,640.95	6,688.45	6,617.83	31.09	31.00	97.30	432.66	837.38	773.69	711.91	61.78	12.523		
6,800.00	6,689.82	6,748.38	6,675.99	31.29	31.23	96.93	435.46	823.27	776.24	714.03	62.21	12.477		
6,850.00	6,737.71	6,808.12	6,732.39	31.49	31.46	96.52	437.99	803.82	778.63	715.98	62.65	12.429		
6,900.00	6,784.33	6,867.56	6,786.47	31.70	31.71	96.06	440.20	779.30	780.85	717.76	63.09	12.377		
6,950.00	6,829.39	6,926.62	6,837.71	31.92	31.96	95.55	442.10	750.06	782.89	719.34	63.55	12.318		
7,000.00	6,872.61	6,985.21	6,885.67	32.15	32.22	95.01	443.66	716.48	784.76	720.72	64.05	12.253		
7,050.00	6,913.73	7,043.26	6,929.96	32.41	32.51	94.44	444.88	679.00	786.46	721.88	64.58	12.178		
7,100.00	6,952.49	7,100.72	6,970.27	32.68	32.82	93.83	445.76	638.08	787.99	722.83	65.16	12.092		
7,150.00	6,988.66	7,157.52	7,006.34	32.98	33.16	93.21	446.30	594.23	789.35	723.54	65.81	11.994		
7,200.00	7,022.01	7,213.65	7,038.01	33.31	33.54	92.57	446.50	547.92	790.55	724.02	66.53	11.883		
7,250.00	7,052.33	7,269.05	7,065.17	33.67	33.96	91.91	446.39	499.65	791.59	724.27	67.32	11.759		
7,300.00	7,079.44	7,323.72	7,087.76	34.07	34.41	91.25	445.96	449.88	792.48	724.29	68.18	11.623		
7,350.00	7,103.17	7,377.64	7,105.79	34.51	34.91	90.59	445.24	399.09	793.22	724.09	69.13	11.475		
7,400.00	7,123.38	7,430.82	7,119.31	34.98	35.44	89.92	444.25	347.68	793.82	723.67	70.15	11.317		
7,450.00	7,139.94	7,483.24	7,128.39	35.50	36.01	89.27	443.00	296.08	794.28	723.05	71.23	11.151		
7,500.00	7,152.75	7,534.94	7,133.17	36.05	36.59	88.62	441.51	244.64	794.61	722.24	72.37	10.980		
7,550.00	7,161.73	7,585.63	7,133.89	36.64	37.19	88.00	439.82	193.99	794.80	721.25	73.56	10.805		
7,600.00	7,166.82	7,635.30	7,133.36	37.26	37.84	87.58	438.09	144.36	794.90	720.08	74.82	10.624		
7,649.14	7,168.00	7,684.40	7,132.83	37.89	38.50	87.47	436.39	95.29	794.85	718.73	76.12	10.443		
7,700.00	7,167.27	7,735.26	7,132.29	38.57	39.24	87.48	434.62	44.46	794.72	717.17	77.55	10.248		
7,800.00	7,165.83	7,835.26	7,131.21	40.04	40.78	87.50	431.14	-55.47	794.45	713.86	80.59	9.858		
7,900.00	7,164.38	7,935.26	7,130.14	41.66	42.46	87.53	427.66	-155.40	794.19	710.28	83.91	9.465		
8,000.00	7,162.94	8,035.26	7,129.07	43.40	44.26	87.56	424.19	-255.33	793.93	706.46	87.47	9.077		
8,100.00	7,161.50	8,135.26	7,128.00	45.26	46.16	87.58	420.71	-355.27	793.67	702.43	91.24	8.698		
8,200.00	7,160.05	8,235.25	7,126.93	47.21	48.16	87.61	417.23	-455.20	793.41	698.20	95.21	8.333		
8,300.00	7,158.61	8,335.25	7,125.86	49.26	50.24	87.64	413.76	-555.13	793.15	693.81	99.34	7.984		
8,400.00	7,157.17	8,435.25	7,124.79	51.38	52.39	87.66	410.28	-655.06	792.88	689.26	103.62	7.652		
8,500.00	7,155.73	8,535.25	7,123.72	53.57	54.60	87.69	406.80	-755.00	792.62	684.59	108.03	7.337		
8,600.00	7,154.28	8,635.25	7,122.65	55.82	56.87	87.71	403.32	-854.93	792.36	679.81	112.55	7.040		
8,700.00	7,152.84	8,735.25	7,121.58	58.12	59.19	87.74	399.85	-954.86	792.10	674.92	117.18	6.760		
8,800.00	7,151.40	8,835.25	7,120.51	60.47	61.55	87.77	396.37	-1,054.80	791.84	669.95	121.89	6.496		
8,900.00	7,149.95	8,935.25	7,119.44	62.86	63.96	87.79	392.89	-1,154.73	791.58	664.89	126.69	6.248		
9,000.00	7,148.51	9,035.25	7,118.37	65.28	66.39	87.82	389.42	-1,254.66	791.32	659.77	131.55	6.015		
9,100.00	7,147.07	9,135.25	7,117.30	67.74	68.86	87.85	385.94	-1,354.59	791.06	654.58	136.48	5.796		
9,200.00	7,145.62	9,235.24	7,116.23	70.23	71.36	87.87	382.46	-1,454.53	790.80	649.33	141.47	5.590		
9,300.00	7,144.18	9,335.24	7,115.16	72.74	73.88	87.90	378.99	-1,554.46	790.54	644.03	146.51	5.396		
9,400.00	7,142.74	9,435.24	7,114.09	75.28	76.42	87.92	375.51	-1,654.39	790.28	638.69	151.59	5.213		
9,500.00	7,141.29	9,535.24	7,113.02	77.84	78.99	87.95	372.03	-1,754.33	790.02	633.31	156.71	5.041		
9,600.00	7,139.85	9,635.24	7,111.95	80.42	81.57	87.98	368.55	-1,854.26	789.76	627.89	161.88	4.879		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
9,700.00	7,138.41	9,735.24	7,110.88	83.01	84.17	88.00	365.08	-1,954.19	789.50	622.43	167.07	4.725		
9,800.00	7,136.97	9,835.24	7,109.81	85.62	86.78	88.03	361.60	-2,054.12	789.24	616.94	172.30	4.581		
9,900.00	7,135.52	9,935.24	7,108.74	88.25	89.41	88.06	358.12	-2,154.06	788.99	611.43	177.56	4.444		
10,000.00	7,134.08	10,035.24	7,107.67	90.89	92.05	88.08	354.65	-2,253.99	788.73	605.89	182.84	4.314		
10,100.00	7,132.64	10,135.24	7,106.60	93.54	94.70	88.11	351.17	-2,353.92	788.47	600.33	188.14	4.191		
10,200.00	7,131.19	10,235.23	7,105.53	96.20	97.37	88.14	347.69	-2,453.86	788.21	594.74	193.47	4.074		
10,300.00	7,129.75	10,335.23	7,104.46	98.87	100.04	88.16	344.21	-2,553.79	787.95	589.14	198.82	3.963		
10,400.00	7,128.31	10,435.23	7,103.39	101.55	102.72	88.19	340.74	-2,653.72	787.69	583.51	204.18	3.858		
10,500.00	7,126.86	10,535.23	7,102.32	104.24	105.42	88.22	337.26	-2,753.65	787.44	577.87	209.56	3.757		
10,600.00	7,125.42	10,635.23	7,101.25	106.94	108.11	88.24	333.78	-2,853.59	787.18	572.22	214.96	3.662		
10,700.00	7,123.98	10,735.23	7,100.18	109.64	110.82	88.27	330.31	-2,953.52	786.92	566.55	220.37	3.571		
10,800.00	7,122.53	10,835.23	7,099.11	112.36	113.53	88.30	326.83	-3,053.45	786.66	560.86	225.80	3.484		
10,900.00	7,121.09	10,935.23	7,098.03	115.08	116.25	88.32	323.35	-3,153.39	786.41	555.17	231.24	3.401		
11,000.00	7,119.65	11,035.23	7,096.96	117.80	118.98	88.35	319.88	-3,253.32	786.15	549.46	236.69	3.321		
11,100.00	7,118.20	11,135.23	7,095.89	120.53	121.71	88.38	316.40	-3,353.25	785.89	543.74	242.15	3.245		
11,200.00	7,116.76	11,235.22	7,094.82	123.26	124.44	88.40	312.92	-3,453.18	785.64	538.01	247.62	3.173		
11,300.00	7,115.32	11,335.22	7,093.75	126.00	127.18	88.43	309.44	-3,553.12	785.38	532.28	253.10	3.103		
11,400.00	7,113.88	11,435.22	7,092.68	128.75	129.93	88.46	305.97	-3,653.05	785.12	526.53	258.59	3.036		
11,500.00	7,112.43	11,535.22	7,091.61	131.50	132.67	88.48	302.49	-3,752.98	784.87	520.78	264.09	2.972		
11,600.00	7,110.99	11,635.22	7,090.54	134.25	135.43	88.51	299.01	-3,852.91	784.61	515.01	269.60	2.910		
11,700.00	7,109.55	11,735.22	7,089.47	137.01	138.18	88.54	295.54	-3,952.85	784.36	509.24	275.11	2.851		
11,800.00	7,108.10	11,835.22	7,088.40	139.77	140.94	88.56	292.06	-4,052.78	784.10	503.47	280.63	2.794		
11,900.00	7,106.66	11,935.22	7,087.33	142.53	143.70	88.59	288.58	-4,152.71	783.85	497.68	286.16	2.739		
12,000.00	7,105.22	12,035.22	7,086.26	145.30	146.47	88.62	285.11	-4,252.65	783.59	491.90	291.70	2.686		
12,100.00	7,103.77	12,135.22	7,085.19	148.06	149.24	88.64	281.63	-4,352.58	783.34	486.10	297.23	2.635		
12,200.00	7,102.33	12,235.21	7,084.12	150.84	152.01	88.67	278.15	-4,452.51	783.08	480.30	302.78	2.586		
12,300.00	7,100.89	12,335.21	7,083.05	153.61	154.78	88.70	274.67	-4,552.44	782.83	474.50	308.33	2.539		
12,400.00	7,099.44	12,435.21	7,081.98	156.39	157.56	88.72	271.20	-4,652.38	782.57	468.69	313.88	2.493		
12,500.00	7,098.00	12,535.21	7,080.91	159.17	160.34	88.75	267.72	-4,752.31	782.32	462.87	319.44	2.449		
12,600.00	7,096.56	12,635.21	7,079.84	161.95	163.12	88.78	264.24	-4,852.24	782.06	457.06	325.01	2.406		
12,700.00	7,095.12	12,735.21	7,078.77	164.73	165.90	88.80	260.77	-4,952.18	781.81	451.23	330.58	2.365		
12,800.00	7,093.67	12,835.21	7,077.70	167.52	168.69	88.83	257.29	-5,052.11	781.56	445.41	336.15	2.325		
12,900.00	7,092.23	12,935.21	7,076.63	170.31	171.47	88.86	253.81	-5,152.04	781.30	439.58	341.73	2.286		
13,000.00	7,090.79	13,035.21	7,075.56	173.09	174.26	88.88	250.34	-5,251.97	781.05	433.74	347.31	2.249		
13,100.00	7,089.34	13,135.21	7,074.49	175.89	177.05	88.91	246.86	-5,351.91	780.80	427.91	352.89	2.213		
13,200.00	7,087.90	13,235.20	7,073.42	178.68	179.84	88.94	243.38	-5,451.84	780.54	422.07	358.48	2.177		
13,300.00	7,086.46	13,335.20	7,072.35	181.47	182.64	88.97	239.90	-5,551.77	780.29	416.22	364.07	2.143		
13,400.00	7,085.01	13,435.20	7,071.28	184.27	185.43	88.99	236.43	-5,651.71	780.04	410.38	369.66	2.110		
13,500.00	7,083.57	13,535.20	7,070.21	187.07	188.23	89.02	232.95	-5,751.64	779.78	404.53	375.25	2.078		
13,600.00	7,082.13	13,635.20	7,069.14	189.86	191.03	89.05	229.47	-5,851.57	779.53	398.68	380.85	2.047		
13,700.00	7,080.68	13,735.20	7,068.07	192.66	193.83	89.07	226.00	-5,951.50	779.28	392.83	386.45	2.016		
13,800.00	7,079.24	13,835.20	7,067.00	195.47	196.63	89.10	222.52	-6,051.44	779.03	386.97	392.06	1.987		
13,900.00	7,077.80	13,935.20	7,065.93	198.27	199.43	89.13	219.04	-6,151.37	778.78	381.11	397.66	1.958		
14,000.00	7,076.36	14,035.20	7,064.85	201.07	202.23	89.16	215.56	-6,251.30	778.52	375.25	403.27	1.931		
14,100.00	7,074.91	14,135.20	7,063.78	203.88	205.04	89.18	212.09	-6,351.23	778.27	369.39	408.88	1.903		
14,200.00	7,073.47	14,235.19	7,062.71	206.68	207.84	89.21	208.61	-6,451.17	778.02	363.53	414.49	1.877		
14,300.00	7,072.03	14,335.19	7,061.64	209.49	210.65	89.24	205.13	-6,551.10	777.77	357.66	420.11	1.851		
14,400.00	7,070.58	14,435.19	7,060.57	212.30	213.45	89.26	201.66	-6,651.03	777.52	351.80	425.72	1.826		
14,500.00	7,069.14	14,535.19	7,059.50	215.11	216.26	89.29	198.18	-6,750.97	777.27	345.93	431.34	1.802		
14,600.00	7,067.70	14,635.19	7,058.43	217.92	219.07	89.32	194.70	-6,850.90	777.02	340.06	436.96	1.778		
14,700.00	7,066.25	14,735.19	7,057.36	220.73	221.88	89.35	191.23	-6,950.83	776.77	334.18	442.58	1.755		
14,800.00	7,064.81	14,835.19	7,056.29	223.54	224.69	89.37	187.75	-7,050.76	776.52	328.31	448.21	1.732		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 - Boomerang 12C-6-M - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,900.00	7,063.37	14,935.19	7,055.22	226.35	227.50	89.40	184.27	-7,150.70	776.27	322.44	453.83	1.710		
15,000.00	7,061.92	15,035.19	7,054.15	229.16	230.31	89.43	180.79	-7,250.63	776.02	316.56	459.46	1.689		
15,100.00	7,060.48	15,135.19	7,053.08	231.98	233.13	89.46	177.32	-7,350.56	775.77	310.68	465.08	1.668		
15,200.00	7,059.04	15,235.18	7,052.01	234.79	235.94	89.48	173.84	-7,450.50	775.52	304.80	470.71	1.648		
15,300.00	7,057.60	15,335.18	7,050.94	237.61	238.75	89.51	170.36	-7,550.43	775.27	298.92	476.34	1.628		
15,400.00	7,056.15	15,435.18	7,049.87	240.42	241.57	89.54	166.89	-7,650.36	775.02	293.04	481.98	1.608		
15,500.00	7,054.71	15,535.18	7,048.80	243.24	244.38	89.56	163.41	-7,750.29	774.77	287.16	487.61	1.589		
15,600.00	7,053.27	15,635.18	7,047.73	246.05	247.20	89.59	159.93	-7,850.23	774.52	281.28	493.24	1.570		
15,677.40	7,052.15	15,712.58	7,046.90	248.24	249.38	89.61	157.24	-7,927.57	774.33	276.72	497.60	1.556 SF		
15,687.75	7,052.00	15,703.90	7,046.99	248.53	249.13	89.61	157.54	-7,918.90	774.54	276.97	497.56	1.557		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	298.19	298.17	3.44	3.44	6.45	75.72	8.56	76.22	69.33	6.89	11.060		
400.00	399.98	396.18	396.02	3.60	3.60	-105.73	78.83	12.52	80.37	73.16	7.21	11.142		
500.00	499.84	493.81	493.30	3.79	3.80	-105.01	83.97	19.08	87.94	80.31	7.63	11.533		
600.00	599.45	590.92	589.70	4.03	4.04	-104.92	91.12	28.19	98.87	90.75	8.12	12.180		
700.00	698.70	687.32	684.97	4.30	4.31	-105.28	100.20	39.77	113.13	104.45	8.68	13.039		
800.00	797.47	782.85	778.84	4.61	4.61	-105.87	111.15	53.73	130.69	121.40	9.29	14.067		
900.00	895.62	877.37	871.08	4.96	4.93	-106.55	123.87	69.96	151.52	141.57	9.95	15.226		
1,000.00	993.06	971.12	961.84	5.34	5.29	-107.23	138.33	88.39	175.58	164.92	10.66	16.472		
1,100.00	1,089.64	1,067.53	1,054.87	5.75	5.67	-108.32	153.96	108.32	201.62	190.20	11.42	17.658		
1,110.48	1,099.71	1,077.60	1,064.59	5.80	5.72	-108.47	155.60	110.40	204.41	192.91	11.50	17.773		
1,200.00	1,185.67	1,163.65	1,147.62	6.20	6.08	-110.01	169.54	128.19	228.45	216.23	12.22	18.692		
1,300.00	1,281.70	1,259.78	1,240.37	6.67	6.51	-111.39	185.13	148.06	255.45	242.39	13.06	19.558		
1,400.00	1,377.72	1,355.90	1,333.11	7.16	6.95	-112.51	200.71	167.92	282.56	268.63	13.93	20.284		
1,500.00	1,473.75	1,452.02	1,425.86	7.66	7.40	-113.44	216.29	187.79	309.75	294.93	14.82	20.897		
1,600.00	1,569.77	1,548.14	1,518.61	8.17	7.85	-114.21	231.87	207.66	337.00	321.27	15.74	21.417		
1,700.00	1,665.80	1,644.27	1,611.35	8.69	8.32	-114.87	247.46	227.52	364.31	347.64	16.66	21.861		
1,800.00	1,761.82	1,740.39	1,704.10	9.22	8.79	-115.44	263.04	247.39	391.65	374.04	17.61	22.243		
1,900.00	1,857.85	1,836.51	1,796.85	9.76	9.26	-115.93	278.62	267.26	419.02	400.46	18.56	22.573		
2,000.00	1,953.87	1,932.63	1,889.59	10.30	9.74	-116.36	294.20	287.13	446.42	426.89	19.53	22.861		
2,100.00	2,049.90	2,028.75	1,982.34	10.84	10.23	-116.74	309.78	306.99	473.83	453.33	20.50	23.114		
2,200.00	2,145.92	2,124.88	2,075.09	11.39	10.71	-117.08	325.37	326.86	501.27	479.79	21.48	23.336		
2,300.00	2,241.94	2,221.00	2,167.84	11.95	11.20	-117.39	340.95	346.73	528.72	506.25	22.47	23.533		
2,400.00	2,337.97	2,317.12	2,260.58	12.50	11.69	-117.67	356.53	366.59	556.18	532.72	23.46	23.709		
2,500.00	2,433.99	2,413.24	2,353.33	13.06	12.19	-117.91	372.11	386.46	583.66	559.20	24.46	23.866		
2,600.00	2,530.02	2,509.37	2,446.08	13.63	12.68	-118.14	387.69	406.33	611.14	585.68	25.46	24.007		
2,700.00	2,626.04	2,605.49	2,538.82	14.19	13.18	-118.35	403.28	426.20	638.63	612.17	26.46	24.134		
2,800.00	2,722.07	2,701.61	2,631.57	14.76	13.68	-118.54	418.86	446.06	666.13	638.66	27.47	24.249		
2,900.00	2,818.09	2,797.73	2,724.32	15.32	14.18	-118.71	434.44	465.93	693.63	665.15	28.48	24.354		
3,000.00	2,914.12	2,893.86	2,817.07	15.89	14.68	-118.88	450.02	485.80	721.14	691.65	29.49	24.450		
3,100.00	3,010.14	2,989.98	2,908.81	16.46	15.19	-119.03	465.60	505.66	748.66	718.15	30.51	24.537		
3,200.00	3,106.17	3,086.10	3,002.56	17.03	15.69	-119.17	481.19	525.53	776.18	744.65	31.53	24.618		
3,298.02	3,200.29	3,180.32	3,093.47	17.59	16.18	-119.29	496.46	545.01	803.15	770.63	32.53	24.690		
3,300.00	3,202.19	3,182.22	3,095.31	17.60	16.19	-119.31	496.77	545.40	803.70	771.15	32.55	24.691		
3,400.00	3,298.70	3,278.60	3,188.30	18.16	16.70	-119.79	512.39	565.32	830.37	796.80	33.56	24.742		
3,500.00	3,396.07	3,375.38	3,281.68	18.68	17.21	-120.04	528.08	585.32	855.36	820.81	34.55	24.754		
3,600.00	3,494.17	3,472.44	3,375.33	19.18	17.72	-120.06	543.81	605.38	878.69	843.16	35.53	24.731		
3,700.00	3,592.88	3,569.67	3,469.15	19.64	18.24	-119.88	559.58	625.48	900.37	863.88	36.49	24.676		
3,800.00	3,692.10	3,666.95	3,563.01	20.08	18.75	-119.50	575.35	645.59	920.46	883.04	37.43	24.594		
3,900.00	3,791.69	3,764.16	3,656.81	20.49	19.27	-118.95	591.11	665.68	939.06	900.71	38.35	24.489		
4,000.00	3,891.53	3,861.18	3,750.42	20.88	19.78	-118.22	606.83	685.73	956.25	917.00	39.25	24.366		
4,108.50	4,000.00	3,966.10	3,851.66	21.27	20.34	-3.61	623.84	707.42	973.47	933.27	40.19	24.219		
4,200.00	4,091.50	4,054.39	3,936.85	21.58	20.80	-2.49	638.15	725.66	987.61	946.63	40.98	24.100		
4,300.00	4,191.50	4,150.88	4,029.95	21.92	21.32	-1.30	653.79	745.61	1,003.49	961.65	41.84	23.986		
4,400.00	4,291.50	4,247.37	4,123.05	22.27	21.83	-0.14	669.44	765.55	1,019.80	977.11	42.69	23.887		
4,500.00	4,391.50	4,343.86	4,216.15	22.62	22.34	0.98	685.08	785.49	1,036.52	992.97	43.55	23.802		
4,600.00	4,491.50	4,456.34	4,324.88	22.97	22.93	2.21	702.86	808.16	1,053.25	1,008.69	44.56	23.636		
4,700.00	4,591.50	4,585.75	4,451.15	23.33	23.58	3.38	720.29	830.39	1,067.75	1,022.06	45.69	23.369		
4,800.00	4,691.50	4,717.53	4,580.92	23.69	24.20	4.29	734.42	848.40	1,079.46	1,032.70	46.76	23.084		
4,900.00	4,791.50	4,851.19	4,713.47	24.05	24.78	4.96	744.96	861.85	1,088.18	1,040.41	47.77	22.781		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,986.18	4,848.00	24.42	25.33	5.38	751.73	870.48	1,093.76	1,045.06	48.70	22.459		
5,100.00	4,991.50	5,121.90	4,983.63	24.78	25.84	5.56	754.59	874.12	1,096.11	1,046.56	49.56	22.119		
5,200.00	5,091.50	5,229.77	5,091.50	25.15	26.24	5.56	754.68	874.24	1,096.19	1,045.87	50.32	21.785		
5,300.00	5,191.50	5,329.77	5,191.50	25.53	26.60	5.56	754.68	874.24	1,096.19	1,045.12	51.07	21.465		
5,400.00	5,291.50	5,429.77	5,291.50	25.90	26.97	5.56	754.68	874.24	1,096.19	1,044.37	51.82	21.152		
5,500.00	5,391.50	5,529.77	5,391.50	26.28	27.34	5.56	754.68	874.24	1,096.19	1,043.61	52.58	20.847		
5,600.00	5,491.50	5,629.77	5,491.50	26.65	27.71	5.56	754.68	874.24	1,096.19	1,042.85	53.35	20.549		
5,700.00	5,591.50	5,729.77	5,591.50	27.03	28.08	5.56	754.68	874.24	1,096.19	1,042.08	54.11	20.258		
5,800.00	5,691.50	5,829.77	5,691.50	27.41	28.46	5.56	754.68	874.24	1,096.19	1,041.31	54.88	19.974		
5,900.00	5,791.50	5,929.77	5,791.50	27.80	28.83	5.56	754.68	874.24	1,096.19	1,040.54	55.66	19.696		
6,000.00	5,891.50	6,029.77	5,891.50	28.18	29.21	5.56	754.68	874.24	1,096.19	1,039.76	56.43	19.425		
6,100.00	5,991.50	6,129.77	5,991.50	28.57	29.59	5.56	754.68	874.24	1,096.19	1,038.98	57.21	19.161		
6,200.00	6,091.50	6,229.77	6,091.50	28.96	29.98	5.56	754.68	874.24	1,096.19	1,038.20	57.99	18.903		
6,300.00	6,191.50	6,329.77	6,191.50	29.35	30.36	5.56	754.68	874.24	1,096.19	1,037.42	58.78	18.650		
6,400.00	6,291.50	6,429.77	6,291.50	29.74	30.74	5.56	754.68	874.24	1,096.19	1,036.63	59.56	18.404		
6,500.00	6,391.50	6,529.77	6,414.88	30.13	31.21	5.14	754.33	866.11	1,095.34	1,034.97	60.36	18.146		
6,600.00	6,491.50	6,629.77	6,533.39	30.52	31.68	3.52	753.00	835.06	1,092.21	1,031.04	61.18	17.854		
6,639.95	6,531.45	6,721.31	6,575.05	30.68	31.86	2.63	752.27	818.04	1,090.64	1,029.12	61.52	17.728		
6,650.00	6,541.50	6,732.26	6,584.99	30.72	31.91	94.28	752.07	813.46	1,090.24	1,028.64	61.61	17.697		
6,700.00	6,591.41	6,785.41	6,632.06	30.90	32.14	93.29	751.01	788.83	1,088.47	1,026.42	62.05	17.542		
6,750.00	6,640.95	6,836.53	6,675.24	31.09	32.37	92.29	749.84	761.52	1,087.04	1,024.53	62.51	17.389		
6,800.00	6,689.82	6,885.81	6,714.67	31.29	32.61	91.30	748.57	732.00	1,085.97	1,022.98	62.99	17.239		
6,850.00	6,737.71	6,933.46	6,750.50	31.49	32.87	90.32	747.22	700.64	1,085.26	1,021.77	63.50	17.092		
6,900.00	6,784.33	6,979.64	6,782.90	31.70	33.13	89.35	745.81	667.78	1,084.91	1,020.90	64.01	16.948		
6,925.55	6,807.57	7,002.73	6,798.18	31.81	33.27	88.86	745.07	650.49	1,084.87	1,020.58	64.28	16.876		
6,950.00	6,829.39	7,024.51	6,812.01	31.92	33.41	88.39	744.35	633.68	1,084.91	1,020.36	64.55	16.807		
7,000.00	6,872.61	7,068.20	6,837.99	32.15	33.71	87.44	742.84	598.59	1,085.23	1,020.13	65.10	16.670		
7,050.00	6,913.73	7,110.84	6,860.95	32.41	34.02	86.52	741.30	562.70	1,085.85	1,020.18	65.67	16.535		
7,100.00	6,952.49	7,152.55	6,881.04	32.68	34.35	85.61	739.73	526.20	1,086.74	1,020.48	66.26	16.401		
7,150.00	6,988.66	7,193.41	6,898.36	32.98	34.70	84.73	738.14	489.23	1,087.86	1,020.98	66.88	16.266		
7,200.00	7,022.01	7,233.53	6,913.02	33.31	35.08	83.88	736.54	451.93	1,089.18	1,021.65	67.53	16.129		
7,250.00	7,052.33	7,272.97	6,925.12	33.67	35.47	83.06	734.93	414.43	1,090.66	1,022.44	68.22	15.988		
7,300.00	7,079.44	7,311.81	6,934.73	34.07	35.87	82.27	733.31	376.83	1,092.26	1,023.32	68.94	15.844		
7,350.00	7,103.17	7,350.00	6,941.94	34.51	36.29	81.52	731.70	339.37	1,093.94	1,024.23	69.71	15.694		
7,400.00	7,123.38	7,387.96	6,946.85	34.98	36.73	80.81	730.09	301.78	1,095.66	1,025.13	70.53	15.535		
7,450.00	7,139.94	7,425.36	6,949.50	35.50	37.17	80.14	728.49	264.50	1,097.38	1,025.98	71.39	15.371		
7,500.00	7,152.75	7,463.62	6,949.95	36.05	37.64	79.51	726.85	226.29	1,099.06	1,026.73	72.32	15.197		
7,550.00	7,161.73	7,512.69	6,949.42	36.64	38.28	78.92	724.74	177.26	1,100.34	1,026.87	73.47	14.976		
7,600.00	7,166.82	7,562.36	6,948.88	37.26	38.98	78.57	722.61	127.65	1,100.92	1,026.19	74.73	14.731		
7,649.14	7,168.00	7,611.45	6,948.35	37.89	39.68	78.50	720.50	78.60	1,100.75	1,024.70	76.06	14.473		
7,700.00	7,167.27	7,662.31	6,947.81	38.57	40.47	78.50	718.32	27.79	1,100.19	1,022.65	77.53	14.190		
7,800.00	7,165.83	7,762.30	6,946.73	40.04	42.11	78.51	714.03	-72.10	1,099.07	1,018.43	80.64	13.629		
7,900.00	7,164.38	7,862.30	6,945.65	41.66	43.87	78.52	709.74	-172.00	1,097.96	1,013.96	84.00	13.070		
8,000.00	7,162.94	7,962.29	6,944.57	43.40	45.74	78.52	705.44	-271.90	1,096.85	1,009.25	87.60	12.522		
8,100.00	7,161.50	8,062.29	6,943.49	45.26	47.71	78.53	701.15	-371.79	1,095.73	1,004.35	91.39	11.990		
8,200.00	7,160.05	8,162.28	6,942.41	47.21	49.76	78.54	696.86	-471.69	1,094.62	999.26	95.36	11.479		
8,300.00	7,158.61	8,262.27	6,941.33	49.26	51.89	78.55	692.57	-571.58	1,093.51	994.02	99.49	10.992		
8,400.00	7,157.17	8,362.27	6,940.26	51.38	54.09	78.55	688.28	-671.48	1,092.40	988.65	103.75	10.529		
8,500.00	7,155.73	8,462.26	6,939.18	53.57	56.34	78.56	683.99	-771.37	1,091.28	983.15	108.14	10.092		
8,600.00	7,154.28	8,562.25	6,938.10	55.82	58.65	78.57	679.70	-871.27	1,090.17	977.54	112.63	9.679		
8,700.00	7,152.84	8,662.25	6,937.02	58.12	61.00	78.58	675.40	-971.17	1,089.06	971.84	117.22	9.291		
8,800.00	7,151.40	8,762.24	6,935.94	60.47	63.39	78.59	671.11	-1,071.06	1,087.95	966.06	121.89	8.926		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	8,862.23	6,934.86	62.86	65.82	78.59	666.82	-1,170.96	1,086.83	960.20	126.63	8.583		
9,000.00	7,148.51	8,962.23	6,933.79	65.28	68.28	78.60	662.53	-1,270.85	1,085.72	954.28	131.44	8.260		
9,100.00	7,147.07	9,062.22	6,932.71	67.74	70.77	78.61	658.24	-1,370.75	1,084.61	948.29	136.32	7.957		
9,200.00	7,145.62	9,162.22	6,931.63	70.23	73.28	78.62	653.95	-1,470.64	1,083.50	942.25	141.24	7.671		
9,300.00	7,144.18	9,262.21	6,930.55	72.74	75.82	78.62	649.66	-1,570.54	1,082.38	936.17	146.22	7.403		
9,400.00	7,142.74	9,362.20	6,929.47	75.28	78.38	78.63	645.36	-1,670.44	1,081.27	930.04	151.23	7.150		
9,500.00	7,141.29	9,462.20	6,928.39	77.84	80.95	78.64	641.07	-1,770.33	1,080.16	923.87	156.29	6.911		
9,600.00	7,139.85	9,562.19	6,927.31	80.42	83.55	78.65	636.78	-1,870.23	1,079.05	917.67	161.38	6.686		
9,700.00	7,138.41	9,662.18	6,926.24	83.01	86.15	78.66	632.49	-1,970.12	1,077.93	911.43	166.50	6.474		
9,800.00	7,136.97	9,762.18	6,925.16	85.62	88.78	78.66	628.20	-2,070.02	1,076.82	905.16	171.66	6.273		
9,900.00	7,135.52	9,862.17	6,924.08	88.25	91.41	78.67	623.91	-2,169.91	1,075.71	898.87	176.84	6.083		
10,000.00	7,134.08	9,962.17	6,923.00	90.89	94.06	78.68	619.61	-2,269.81	1,074.60	892.55	182.04	5.903		
10,100.00	7,132.64	10,062.16	6,921.92	93.54	96.72	78.69	615.32	-2,369.71	1,073.48	886.21	187.27	5.732		
10,200.00	7,131.19	10,162.15	6,920.84	96.20	99.39	78.70	611.03	-2,469.60	1,072.37	879.85	192.52	5.570		
10,300.00	7,129.75	10,262.15	6,919.77	98.87	102.07	78.70	606.74	-2,569.50	1,071.26	873.47	197.79	5.416		
10,400.00	7,128.31	10,362.14	6,918.69	101.55	104.76	78.71	602.45	-2,669.39	1,070.15	867.08	203.07	5.270		
10,500.00	7,126.86	10,462.13	6,917.61	104.24	107.45	78.72	598.16	-2,769.29	1,069.04	860.66	208.37	5.130		
10,600.00	7,125.42	10,562.13	6,916.53	106.94	110.15	78.73	593.87	-2,869.18	1,067.92	854.23	213.69	4.998		
10,700.00	7,123.98	10,662.12	6,915.45	109.64	112.86	78.74	589.57	-2,969.08	1,066.81	847.79	219.02	4.871		
10,800.00	7,122.53	10,762.12	6,914.37	112.36	115.58	78.74	585.28	-3,068.98	1,065.70	841.34	224.36	4.750		
10,900.00	7,121.09	10,862.11	6,913.29	115.08	118.30	78.75	580.99	-3,168.87	1,064.59	834.87	229.72	4.634		
11,000.00	7,119.65	10,962.10	6,912.22	117.80	121.02	78.76	576.70	-3,268.77	1,063.47	828.39	235.09	4.524		
11,100.00	7,118.20	11,062.10	6,911.14	120.53	123.76	78.77	572.41	-3,368.66	1,062.36	821.90	240.46	4.418		
11,200.00	7,116.76	11,162.09	6,910.06	123.26	126.49	78.78	568.12	-3,468.56	1,061.25	815.40	245.85	4.317		
11,300.00	7,115.32	11,262.08	6,908.98	126.00	129.23	78.78	563.83	-3,568.45	1,060.14	808.89	251.25	4.219		
11,400.00	7,113.88	11,362.08	6,907.90	128.75	131.98	78.79	559.53	-3,668.35	1,059.03	802.37	256.65	4.126		
11,500.00	7,112.43	11,462.07	6,906.82	131.50	134.73	78.80	555.24	-3,768.25	1,057.91	795.85	262.07	4.037		
11,600.00	7,110.99	11,562.06	6,905.75	134.25	137.48	78.81	550.95	-3,868.14	1,056.80	789.31	267.49	3.951		
11,700.00	7,109.55	11,662.06	6,904.67	137.01	140.23	78.82	546.66	-3,968.04	1,055.69	782.77	272.92	3.868		
11,800.00	7,108.10	11,762.05	6,903.59	139.77	142.99	78.83	542.37	-4,067.93	1,054.58	776.22	278.36	3.789		
11,900.00	7,106.66	11,862.05	6,902.51	142.53	145.76	78.83	538.08	-4,167.83	1,053.47	769.67	283.80	3.712		
12,000.00	7,105.22	11,962.04	6,901.43	145.30	148.52	78.84	533.79	-4,267.73	1,052.35	763.11	289.25	3.638		
12,100.00	7,103.77	12,062.03	6,900.35	148.06	151.29	78.85	529.49	-4,367.62	1,051.24	756.54	294.70	3.567		
12,200.00	7,102.33	12,162.03	6,899.27	150.84	154.06	78.86	525.20	-4,467.52	1,050.13	749.97	300.16	3.499		
12,300.00	7,100.89	12,262.02	6,898.20	153.61	156.83	78.87	520.91	-4,567.41	1,049.02	743.39	305.63	3.432		
12,400.00	7,099.44	12,362.01	6,897.12	156.39	159.61	78.88	516.62	-4,667.31	1,047.91	736.81	311.10	3.368		
12,500.00	7,098.00	12,462.01	6,896.04	159.17	162.39	78.88	512.33	-4,767.20	1,046.80	730.22	316.57	3.307		
12,600.00	7,096.56	12,562.00	6,894.96	161.95	165.16	78.89	508.04	-4,867.10	1,045.68	723.63	322.05	3.247		
12,700.00	7,095.12	12,662.00	6,893.88	164.73	167.95	78.90	503.74	-4,967.00	1,044.57	717.03	327.54	3.189		
12,800.00	7,093.67	12,761.99	6,892.80	167.52	170.73	78.91	499.45	-5,066.89	1,043.46	710.43	333.03	3.133		
12,900.00	7,092.23	12,861.98	6,891.73	170.31	173.52	78.92	495.16	-5,166.79	1,042.35	703.83	338.52	3.079		
13,000.00	7,090.79	12,961.98	6,890.65	173.09	176.30	78.93	490.87	-5,266.68	1,041.24	697.22	344.01	3.027		
13,100.00	7,089.34	13,061.97	6,889.57	175.89	179.09	78.93	486.58	-5,366.58	1,040.12	690.61	349.51	2.976		
13,200.00	7,087.90	13,161.96	6,888.49	178.68	181.88	78.94	482.29	-5,466.47	1,039.01	684.00	355.02	2.927		
13,300.00	7,086.46	13,261.96	6,887.41	181.47	184.67	78.95	478.00	-5,566.37	1,037.90	677.38	360.52	2.879		
13,400.00	7,085.01	13,361.95	6,886.33	184.27	187.47	78.96	473.70	-5,666.27	1,036.79	670.76	366.03	2.833		
13,500.00	7,083.57	13,461.95	6,885.25	187.07	190.26	78.97	469.41	-5,766.16	1,035.68	664.14	371.54	2.788		
13,600.00	7,082.13	13,561.94	6,884.18	189.86	193.06	78.98	465.12	-5,866.06	1,034.57	657.51	377.06	2.744		
13,700.00	7,080.68	13,661.93	6,883.10	192.66	195.85	78.99	460.83	-5,965.95	1,033.46	650.88	382.58	2.701		
13,800.00	7,079.24	13,761.93	6,882.02	195.47	198.65	78.99	456.54	-6,065.85	1,032.34	644.25	388.10	2.660		
13,900.00	7,077.80	13,861.92	6,880.94	198.27	201.45	79.00	452.25	-6,165.74	1,031.23	637.61	393.62	2.620		
14,000.00	7,076.36	13,961.91	6,879.86	201.07	204.25	79.01	447.96	-6,265.64	1,030.12	630.97	399.15	2.581		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,074.91	14,061.91	6,878.78	203.88	207.05	79.02	443.66	-6,365.54	1,029.01	624.33	404.67	2.543		
14,200.00	7,073.47	14,161.90	6,877.71	206.68	209.86	79.03	439.37	-6,465.43	1,027.90	617.69	410.21	2.506		
14,300.00	7,072.03	14,261.89	6,876.63	209.49	212.66	79.04	435.08	-6,565.33	1,026.79	611.05	415.74	2.470		
14,400.00	7,070.58	14,361.89	6,875.55	212.30	215.46	79.05	430.79	-6,665.22	1,025.68	604.40	421.27	2.435		
14,500.00	7,069.14	14,461.88	6,874.47	215.11	218.27	79.05	426.50	-6,765.12	1,024.56	597.75	426.81	2.401		
14,600.00	7,067.70	14,561.88	6,873.39	217.92	221.08	79.06	422.21	-6,865.01	1,023.45	591.10	432.35	2.367		
14,700.00	7,066.25	14,661.87	6,872.31	220.73	223.88	79.07	417.92	-6,964.91	1,022.34	584.45	437.89	2.335		
14,800.00	7,064.81	14,761.86	6,871.23	223.54	226.69	79.08	413.62	-7,064.81	1,021.23	577.80	443.43	2.303		
14,900.00	7,063.37	14,861.86	6,870.16	226.35	229.50	79.09	409.33	-7,164.70	1,020.12	571.14	448.98	2.272		
15,000.00	7,061.92	14,961.85	6,869.08	229.16	232.31	79.10	405.04	-7,264.60	1,019.01	564.48	454.53	2.242		
15,100.00	7,060.48	15,061.84	6,868.00	231.98	235.12	79.11	400.75	-7,364.49	1,017.90	557.82	460.07	2.212		
15,200.00	7,059.04	15,161.84	6,866.92	234.79	237.93	79.12	396.46	-7,464.39	1,016.78	551.16	465.62	2.184		
15,300.00	7,057.60	15,261.83	6,865.84	237.61	240.74	79.13	392.17	-7,564.28	1,015.67	544.50	471.18	2.156		
15,400.00	7,056.15	15,361.83	6,864.76	240.42	243.55	79.13	387.88	-7,664.18	1,014.56	537.83	476.73	2.128		
15,500.00	7,054.71	15,461.82	6,863.69	243.24	246.37	79.14	383.58	-7,764.08	1,013.45	531.17	482.28	2.101		
15,600.00	7,053.27	15,561.81	6,862.61	246.05	249.18	79.15	379.29	-7,863.97	1,012.34	524.50	487.84	2.075		
15,667.82	7,052.29	15,618.10	6,862.00	247.97	250.76	79.16	376.88	-7,920.20	1,011.65	520.36	491.30	2.059		
15,687.75	7,052.00	15,618.10	6,862.00	248.53	250.76	79.16	376.88	-7,920.20	1,011.85	520.14	491.72	2.058 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	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		
274.23	274.23	274.24	274.23	3.41	3.41	9.00	14.79	2.34	14.97	8.15	6.82	2.194 CC		
300.00	300.00	299.99	299.97	3.44	3.44	11.99	14.66	3.12	14.99	8.10	6.89	2.177		
400.00	399.98	399.84	399.68	3.60	3.60	-88.97	13.85	8.27	16.01	8.81	7.20	2.224		
500.00	499.84	499.55	499.01	3.79	3.80	-79.14	12.49	16.85	18.54	10.94	7.60	2.438		
600.00	599.45	600.83	597.89	4.03	4.05	-72.89	10.60	28.78	22.26	14.15	8.10	2.747		
700.00	698.70	700.89	696.92	4.30	4.33	-73.40	8.51	41.99	25.72	17.06	8.65	2.972		
800.00	797.47	800.99	795.93	4.61	4.65	-80.56	6.42	55.19	28.41	19.14	9.27	3.065		
900.00	895.62	901.25	894.77	4.96	4.98	-92.73	4.33	68.37	31.45	21.51	9.94	3.164		
1,000.00	993.06	1,001.78	993.35	5.34	5.34	-107.65	2.25	81.52	36.56	25.90	10.66	3.429		
1,100.00	1,089.64	1,102.71	1,091.53	5.75	5.72	-122.15	0.17	94.61	45.28	33.87	11.42	3.966		
1,110.48	1,099.71	1,107.65	1,101.79	5.80	5.74	-123.54	-0.05	95.98	46.44	34.97	11.48	4.046		
1,200.00	1,185.67	1,203.93	1,189.42	6.20	6.11	-133.23	-1.90	107.67	57.38	45.18	12.19	4.706		
1,300.00	1,281.70	1,305.16	1,287.30	6.67	6.52	-140.33	-3.96	120.72	70.86	57.88	12.98	5.457		
1,400.00	1,377.72	1,406.38	1,385.19	7.16	6.93	-145.12	-6.03	133.78	85.07	71.28	13.80	6.167		
1,500.00	1,473.75	1,507.61	1,483.08	7.66	7.35	-148.53	-8.10	146.83	99.70	85.08	14.62	6.819		
1,600.00	1,569.77	1,591.17	1,580.96	8.17	7.70	-151.06	-10.17	159.89	114.59	99.20	15.39	7.445		
1,700.00	1,665.80	1,689.94	1,678.85	8.69	8.12	-153.01	-12.23	172.94	129.65	113.41	16.24	7.986		
1,800.00	1,761.82	1,788.72	1,776.74	9.22	8.54	-154.55	-14.30	186.00	144.82	127.73	17.09	8.474		
1,900.00	1,857.85	1,887.49	1,874.62	9.76	8.97	-155.80	-16.37	199.05	160.08	142.12	17.95	8.917		
2,000.00	1,953.87	1,986.27	1,972.51	10.30	9.40	-156.83	-18.44	212.10	175.39	156.57	18.82	9.318		
2,100.00	2,049.90	2,085.04	2,070.40	10.84	9.83	-157.69	-20.50	225.16	190.76	171.05	19.70	9.683		
2,200.00	2,145.92	2,183.82	2,168.28	11.39	10.27	-158.43	-22.57	238.21	206.15	185.57	20.58	10.015		
2,300.00	2,241.94	2,282.59	2,266.17	11.95	10.71	-159.06	-24.64	251.27	221.58	200.11	21.47	10.319		
2,400.00	2,337.97	2,381.37	2,364.06	12.50	11.15	-159.61	-26.71	264.32	237.03	214.67	22.37	10.597		
2,500.00	2,433.99	2,480.15	2,461.94	13.06	11.59	-160.10	-28.78	277.38	252.50	229.24	23.26	10.853		
2,600.00	2,530.02	2,578.92	2,559.83	13.63	12.03	-160.53	-30.84	290.43	267.99	243.82	24.17	11.089		
2,700.00	2,626.04	2,677.70	2,657.72	14.19	12.48	-160.91	-32.91	303.49	283.49	258.42	25.07	11.308		
2,800.00	2,722.07	2,776.47	2,755.60	14.76	12.92	-161.25	-34.98	316.54	299.00	273.02	25.98	11.510		
2,900.00	2,818.09	2,875.25	2,853.49	15.32	13.37	-161.56	-37.05	329.60	314.52	287.63	26.89	11.697		
3,000.00	2,914.12	2,974.02	2,951.38	15.89	13.82	-161.84	-39.11	342.65	330.04	302.24	27.80	11.872		
3,100.00	3,010.14	3,072.80	3,049.26	16.46	14.27	-162.09	-41.18	355.71	345.58	316.86	28.71	12.035		
3,200.00	3,106.17	3,171.57	3,147.15	17.03	14.72	-162.32	-43.25	368.76	361.12	331.48	29.63	12.187		
3,298.02	3,200.29	3,268.39	3,243.10	17.59	15.16	-162.53	-45.28	381.56	376.35	345.82	30.53	12.327		
3,300.00	3,202.19	3,270.35	3,245.04	17.60	15.17	-162.54	-45.32	381.82	376.66	346.11	30.55	12.330		
3,400.00	3,298.70	3,369.38	3,343.18	18.16	15.62	-162.74	-47.39	394.90	390.50	359.03	31.47	12.410		
3,500.00	3,396.07	3,468.81	3,441.72	18.68	16.08	-162.76	-49.47	408.05	401.02	368.65	32.37	12.387		
3,600.00	3,494.17	3,568.54	3,540.55	19.18	16.53	-162.62	-51.56	421.23	408.23	374.96	33.28	12.267		
3,700.00	3,592.88	3,668.43	3,639.54	19.64	16.99	-162.32	-53.65	434.43	412.13	377.95	34.17	12.060		
3,800.00	3,692.10	3,768.37	3,738.58	20.08	17.45	-161.86	-55.74	447.64	412.71	377.65	35.06	11.771		
3,900.00	3,791.69	3,868.23	3,837.54	20.49	17.91	-161.22	-57.83	460.84	410.02	374.09	35.94	11.409		
4,000.00	3,891.53	3,967.89	3,936.31	20.88	18.37	-160.38	-59.92	474.01	404.10	367.29	36.81	10.979		
4,108.50	4,000.00	4,075.65	4,043.10	21.27	18.86	-45.58	-62.17	488.25	394.07	356.34	37.73	10.445		
4,200.00	4,091.50	4,166.33	4,132.96	21.58	19.28	-44.52	-64.07	500.23	384.13	345.63	38.50	9.978		
4,300.00	4,191.50	4,265.43	4,231.17	21.92	19.74	-43.30	-66.15	513.33	373.42	334.07	39.34	9.492		
4,400.00	4,291.50	4,364.53	4,329.38	22.27	20.20	-42.02	-68.22	526.43	362.88	322.69	40.19	9.028		
4,500.00	4,391.50	4,463.63	4,427.59	22.62	20.65	-40.65	-70.30	539.53	352.54	311.49	41.05	8.587		
4,600.00	4,491.50	4,562.73	4,525.80	22.97	21.11	-39.21	-72.37	552.63	342.42	300.49	41.92	8.168		
4,700.00	4,591.50	4,661.83	4,624.01	23.33	21.57	-37.68	-74.44	565.72	332.52	289.72	42.80	7.770		
4,800.00	4,691.50	4,760.93	4,722.22	23.69	22.03	-36.06	-76.52	578.82	322.87	279.19	43.68	7.392		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,860.03	4,820.43	24.05	22.49	-34.34	-78.59	591.92	313.50	268.92	44.57	7.033		
5,000.00	4,891.50	4,959.14	4,918.64	24.42	22.94	-32.52	-80.67	605.02	304.42	258.95	45.47	6.694		
5,100.00	4,991.50	5,058.24	5,016.85	24.78	23.40	-30.58	-82.74	618.11	295.68	249.29	46.39	6.374		
5,200.00	5,091.50	5,157.34	5,115.06	25.15	23.86	-28.54	-84.82	631.21	287.29	239.98	47.31	6.073		
5,300.00	5,191.50	5,256.44	5,213.27	25.53	24.32	-26.37	-86.89	644.31	279.29	231.05	48.23	5.790		
5,400.00	5,291.50	5,355.54	5,311.48	25.90	24.78	-24.09	-88.97	657.41	271.71	222.54	49.17	5.526		
5,500.00	5,391.50	5,454.64	5,409.69	26.28	25.24	-21.67	-91.04	670.50	264.60	214.48	50.12	5.279		
5,600.00	5,491.50	5,553.74	5,507.90	26.65	25.70	-19.14	-93.12	683.60	257.98	206.91	51.08	5.051		
5,700.00	5,591.50	5,652.84	5,606.10	27.03	26.16	-16.47	-95.19	696.70	251.90	199.86	52.04	4.841		
5,800.00	5,691.50	5,751.94	5,704.31	27.41	26.62	-13.68	-97.26	709.80	246.40	193.39	53.01	4.648		
5,900.00	5,791.50	5,851.04	5,802.52	27.80	27.08	-10.77	-99.34	722.90	241.52	187.54	53.98	4.474		
6,000.00	5,891.50	5,950.14	5,900.73	28.18	27.54	-7.76	-101.41	735.99	237.29	182.33	54.96	4.318		
6,100.00	5,991.50	6,049.24	5,998.94	28.57	28.00	-4.64	-103.49	749.09	233.75	177.82	55.93	4.179		
6,200.00	6,091.50	6,148.34	6,097.15	28.96	28.46	-1.44	-105.56	762.19	230.93	174.03	56.90	4.059		
6,300.00	6,191.50	6,247.44	6,195.36	29.35	28.92	1.82	-107.64	775.29	228.86	171.00	57.86	3.955		
6,400.00	6,291.50	6,346.54	6,295.46	29.74	29.39	4.83	-109.81	788.41	227.38	168.57	58.82	3.866		
6,500.00	6,391.50	6,445.64	6,399.89	30.13	29.79	7.84	-112.09	801.51	225.89	166.08	59.78	3.788		
6,600.00	6,491.50	6,544.74	6,499.19	30.52	30.16	10.84	-114.37	814.61	224.40	164.59	60.73	3.719		
6,639.95	6,531.45	6,583.64	6,535.96	30.88	30.30	13.84	-116.65	827.71	222.91	163.10	61.68	3.659		
6,650.00	6,541.50	6,601.81	6,544.91	30.72	30.33	16.84	-117.55	835.27	221.92	162.11	62.63	3.607		
6,686.92	6,578.38	6,636.19	6,577.04	30.85	30.46	19.84	-118.83	842.83	221.03	161.12	63.58	3.563		
6,700.00	6,591.41	6,648.24	6,588.14	30.90	30.51	22.84	-119.29	849.39	220.54	160.63	64.53	3.527		
6,750.00	6,640.95	6,693.68	6,629.16	31.09	30.69	25.84	-121.08	862.49	219.86	159.25	65.48	3.498		
6,800.00	6,689.82	6,738.23	6,667.93	31.29	30.87	28.84	-122.89	875.59	219.17	157.86	66.43	3.474		
6,850.00	6,737.71	6,781.97	6,704.40	31.49	31.05	31.84	-124.72	888.69	218.48	156.47	67.38	3.454		
6,900.00	6,784.33	6,824.97	6,738.57	31.70	31.24	34.84	-126.57	901.79	217.79	155.08	68.33	3.438		
6,950.00	6,829.39	6,867.29	6,770.40	31.92	31.44	37.84	-128.43	914.89	217.10	153.69	69.28	3.425		
7,000.00	6,872.61	6,909.01	6,799.90	32.15	31.66	40.84	-130.28	927.99	216.41	152.30	70.23	3.415		
7,050.00	6,913.73	6,950.17	6,827.06	32.41	31.88	43.84	-132.12	941.09	215.72	150.91	71.18	3.407		
7,100.00	6,952.49	6,990.85	6,851.88	32.68	32.13	46.84	-133.95	954.19	215.03	149.52	72.13	3.401		
7,150.00	6,988.66	7,031.07	6,874.35	32.98	32.40	49.84	-135.76	967.29	214.34	148.13	73.08	3.397		
7,200.00	7,022.01	7,070.90	6,894.48	33.31	32.68	52.84	-137.55	980.39	213.65	146.74	74.03	3.394		
7,250.00	7,052.33	7,110.38	6,912.28	33.67	32.99	55.84	-139.31	993.49	212.96	145.35	75.00	3.392		
7,300.00	7,079.44	7,150.00	6,927.91	34.07	33.32	58.84	-141.05	1006.59	212.27	143.96	75.97	3.391		
7,350.00	7,103.17	7,188.43	6,940.88	34.51	33.67	61.84	-142.72	1019.69	211.58	142.57	76.94	3.391		
7,400.00	7,123.38	7,227.08	6,951.71	34.98	34.04	64.84	-144.37	1032.79	210.89	141.18	77.91	3.392		
7,450.00	7,139.94	7,265.53	6,960.22	35.50	34.44	67.84	-145.97	1045.89	210.20	139.79	78.88	3.394		
7,500.00	7,152.75	7,303.81	6,966.43	36.05	34.85	70.84	-147.52	1058.99	209.51	138.40	79.85	3.397		
7,550.00	7,161.73	7,341.96	6,970.36	36.64	35.28	73.84	-149.02	1072.09	208.82	137.01	80.82	3.401		
7,600.00	7,166.82	7,380.00	6,972.00	37.26	35.73	76.84	-150.46	1085.19	208.13	135.62	81.79	3.406		
7,649.14	7,168.00	7,423.78	6,971.65	37.89	36.28	79.84	-152.06	1098.29	207.44	134.23	82.76	3.412		
7,700.00	7,167.27	7,474.64	6,970.98	38.57	36.95	82.84	-153.91	1111.39	206.75	132.84	83.73	3.419		
7,800.00	7,165.83	7,574.64	6,969.67	40.04	38.39	85.84	-157.56	1124.49	206.06	131.45	84.70	3.427		
7,900.00	7,164.38	7,674.64	6,968.35	41.66	39.98	88.84	-161.20	1137.59	205.37	130.06	85.67	3.436		
8,000.00	7,162.94	7,774.64	6,967.04	43.40	41.70	91.84	-164.85	1150.69	204.68	128.67	86.64	3.446		
8,100.00	7,161.50	7,874.64	6,965.72	45.26	43.55	94.84	-168.49	1163.79	203.99	127.28	87.61	3.457		
8,200.00	7,160.05	7,974.64	6,964.41	47.21	45.49	97.84	-172.14	1176.89	203.30	125.89	88.58	3.469		
8,300.00	7,158.61	8,074.64	6,963.09	49.26	47.53	100.84	-175.78	1189.99	202.61	124.50	89.55	3.482		
8,400.00	7,157.17	8,174.64	6,961.78	51.38	49.64	103.84	-179.43	1203.09	201.92	123.11	90.52	3.496		
8,500.00	7,155.73	8,274.63	6,960.46	53.57	51.83	106.84	-183.07	1216.19	201.23	121.72	91.49	3.511		
8,600.00	7,154.28	8,374.63	6,959.15	55.82	54.08	109.84	-186.72	1229.29	200.54	120.33	92.46	3.527		
8,700.00	7,152.84	8,474.63	6,957.83	58.12	56.38	112.84	-190.36	1242.39	199.85	118.94	93.43	3.544		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,151.40	8,574.63	6,956.52	60.47	58.73	45.81	-194.01	-1,032.36	279.56	191.81	87.75	3.186		
8,900.00	7,149.95	8,674.63	6,955.21	62.86	61.12	45.77	-197.65	-1,132.28	279.18	187.80	91.38	3.055		
9,000.00	7,148.51	8,774.63	6,953.89	65.28	63.54	45.72	-201.30	-1,232.21	278.79	183.74	95.05	2.933		
9,100.00	7,147.07	8,874.63	6,952.58	67.74	66.01	45.68	-204.94	-1,332.13	278.40	179.64	98.77	2.819		
9,200.00	7,145.62	8,974.63	6,951.26	70.23	68.50	45.64	-208.59	-1,432.05	278.02	175.50	102.52	2.712		
9,300.00	7,144.18	9,074.63	6,949.95	72.74	71.01	45.60	-212.23	-1,531.98	277.63	171.33	106.31	2.612		
9,400.00	7,142.74	9,174.63	6,948.63	75.28	73.55	45.56	-215.88	-1,631.90	277.25	167.13	110.12	2.518		
9,500.00	7,141.29	9,274.63	6,947.32	77.84	76.11	45.52	-219.52	-1,731.83	276.86	162.90	113.96	2.429		
9,600.00	7,139.85	9,374.62	6,946.00	80.42	78.70	45.48	-223.17	-1,831.75	276.48	158.66	117.82	2.347		
9,700.00	7,138.41	9,474.62	6,944.69	83.01	81.29	45.44	-226.81	-1,931.67	276.09	154.39	121.70	2.269		
9,800.00	7,136.97	9,574.62	6,943.37	85.62	83.91	45.40	-230.46	-2,031.60	275.70	150.11	125.60	2.195		
9,900.00	7,135.52	9,674.62	6,942.06	88.25	86.54	45.36	-234.10	-2,131.52	275.32	145.81	129.51	2.126		
10,000.00	7,134.08	9,774.62	6,940.74	90.89	89.18	45.31	-237.75	-2,231.45	274.93	141.50	133.44	2.060		
10,100.00	7,132.64	9,874.62	6,939.43	93.54	91.83	45.27	-241.39	-2,331.37	274.55	137.17	137.37	1.999		
10,200.00	7,131.19	9,974.62	6,938.12	96.20	94.50	45.23	-245.04	-2,431.29	274.16	132.84	141.32	1.940		
10,300.00	7,129.75	10,074.62	6,936.80	98.87	97.17	45.19	-248.68	-2,531.22	273.78	128.50	145.28	1.885		
10,400.00	7,128.31	10,174.62	6,935.49	101.55	99.86	45.15	-252.33	-2,631.14	273.40	124.15	149.24	1.832		
10,500.00	7,126.86	10,274.62	6,934.17	104.24	102.55	45.10	-255.97	-2,731.07	273.01	119.80	153.21	1.782		
10,600.00	7,125.42	10,374.61	6,932.86	106.94	105.25	45.06	-259.62	-2,830.99	272.63	115.44	157.19	1.734		
10,700.00	7,123.98	10,474.61	6,931.54	109.64	107.96	45.02	-263.26	-2,930.91	272.24	111.07	161.17	1.689		
10,800.00	7,122.53	10,574.61	6,930.23	112.36	110.67	44.98	-266.91	-3,030.84	271.86	106.70	165.16	1.646		
10,900.00	7,121.09	10,674.61	6,928.91	115.08	113.39	44.93	-270.55	-3,130.76	271.48	102.33	169.15	1.605		
11,000.00	7,119.65	10,774.61	6,927.60	117.80	116.12	44.89	-274.20	-3,230.69	271.09	97.96	173.14	1.566		
11,100.00	7,118.20	10,874.61	6,926.28	120.53	118.85	44.85	-277.84	-3,330.61	270.71	93.58	177.13	1.528		
11,200.00	7,116.76	10,974.61	6,924.97	123.26	121.59	44.80	-281.49	-3,430.53	270.33	89.20	181.13	1.492 Level 3		
11,300.00	7,115.32	11,074.61	6,923.65	126.00	124.33	44.76	-285.13	-3,530.46	269.94	84.82	185.12	1.458 Level 3		
11,400.00	7,113.88	11,174.61	6,922.34	128.75	127.07	44.72	-288.78	-3,630.38	269.56	80.44	189.12	1.425 Level 3		
11,500.00	7,112.43	11,274.61	6,921.02	131.50	129.82	44.67	-292.42	-3,730.31	269.18	76.06	193.11	1.394 Level 3		
11,600.00	7,110.99	11,374.61	6,919.71	134.25	132.58	44.63	-296.07	-3,830.23	268.80	71.68	197.11	1.364 Level 3		
11,700.00	7,109.55	11,474.60	6,918.40	137.01	135.34	44.59	-299.71	-3,930.15	268.41	67.31	201.11	1.335 Level 3		
11,800.00	7,108.10	11,574.60	6,917.08	139.77	138.10	44.54	-303.36	-4,030.08	268.03	62.93	205.10	1.307 Level 3		
11,900.00	7,106.66	11,674.60	6,915.77	142.53	140.86	44.50	-307.00	-4,130.00	267.65	58.55	209.10	1.280 Level 3		
12,000.00	7,105.22	11,774.60	6,914.45	145.30	143.63	44.46	-310.65	-4,229.93	267.27	54.18	213.09	1.254 Level 3		
12,100.00	7,103.77	11,874.60	6,913.14	148.06	146.40	44.41	-314.29	-4,329.85	266.89	49.80	217.08	1.229 Level 2		
12,200.00	7,102.33	11,974.60	6,911.82	150.84	149.17	44.37	-317.94	-4,429.77	266.50	45.43	221.07	1.206 Level 2		
12,300.00	7,100.89	12,074.60	6,910.51	153.61	151.95	44.32	-321.58	-4,529.70	266.12	41.06	225.06	1.182 Level 2		
12,400.00	7,099.44	12,174.60	6,909.19	156.39	154.72	44.28	-325.23	-4,629.62	265.74	36.70	229.04	1.160 Level 2		
12,500.00	7,098.00	12,274.60	6,907.88	159.17	157.50	44.23	-328.87	-4,729.55	265.36	32.34	233.02	1.139 Level 2		
12,600.00	7,096.56	12,374.60	6,906.56	161.95	160.29	44.19	-332.52	-4,829.47	264.98	27.98	237.00	1.118 Level 2		
12,700.00	7,095.12	12,474.60	6,905.25	164.73	163.07	44.14	-336.16	-4,929.39	264.60	23.62	240.98	1.098 Level 2		
12,800.00	7,093.67	12,574.59	6,903.93	167.52	165.86	44.10	-339.81	-5,029.32	264.22	19.27	244.95	1.079 Level 2		
12,900.00	7,092.23	12,674.59	6,902.62	170.31	168.65	44.05	-343.45	-5,129.24	263.84	14.92	248.92	1.060 Level 2		
13,000.00	7,090.79	12,774.59	6,901.31	173.09	171.44	44.01	-347.10	-5,229.17	263.46	10.57	252.89	1.042 Level 2		
13,100.00	7,089.34	12,874.59	6,899.99	175.89	174.23	43.96	-350.74	-5,329.09	263.08	6.23	256.85	1.024 Level 2		
13,200.00	7,087.90	12,974.59	6,898.68	178.68	177.02	43.92	-354.39	-5,429.01	262.70	1.89	260.81	1.007 Level 2		
13,300.00	7,086.46	13,074.59	6,897.36	181.47	179.81	43.87	-358.03	-5,528.94	262.32	-2.45	264.76	0.991 Level 1		
13,400.00	7,085.01	13,174.59	6,896.05	184.27	182.61	43.83	-361.68	-5,628.86	261.94	-6.78	268.71	0.975 Level 1		
13,500.00	7,083.57	13,274.59	6,894.73	187.07	185.41	43.78	-365.32	-5,728.79	261.56	-11.10	272.66	0.959 Level 1		
13,600.00	7,082.13	13,374.59	6,893.42	189.86	188.21	43.73	-368.97	-5,828.71	261.18	-15.42	276.60	0.944 Level 1		
13,700.00	7,080.68	13,474.59	6,892.10	192.66	191.01	43.69	-372.61	-5,928.63	260.80	-19.74	280.54	0.930 Level 1		
13,800.00	7,079.24	13,574.58	6,890.79	195.47	193.81	43.64	-376.26	-6,028.56	260.42	-24.05	284.47	0.915 Level 1		
13,900.00	7,077.80	13,674.58	6,889.47	198.27	196.61	43.59	-379.90	-6,128.48	260.04	-28.36	288.40	0.902 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 13C-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 13C-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 13N-6B-M - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	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	7,076.36	13,774.58	6,888.16	201.07	199.42	43.55	-383.55	-6,228.41	259.66	-32.66	292.33	0.888	Level 1				
14,100.00	7,074.91	13,874.58	6,886.84	203.88	202.22	43.50	-387.19	-6,328.33	259.28	-36.96	296.24	0.875	Level 1				
14,200.00	7,073.47	13,974.58	6,885.53	206.68	205.03	43.45	-390.84	-6,428.25	258.91	-41.25	300.16	0.863	Level 1				
14,300.00	7,072.03	14,074.58	6,884.22	209.49	207.83	43.41	-394.48	-6,528.18	258.53	-45.54	304.07	0.850	Level 1				
14,400.00	7,070.58	14,174.58	6,882.90	212.30	210.64	43.36	-398.13	-6,628.10	258.15	-49.82	307.97	0.838	Level 1				
14,500.00	7,069.14	14,274.58	6,881.59	215.11	213.45	43.31	-401.77	-6,728.02	257.77	-54.10	311.87	0.827	Level 1				
14,600.00	7,067.70	14,374.58	6,880.27	217.92	216.26	43.26	-405.42	-6,827.95	257.39	-58.37	315.76	0.815	Level 1				
14,700.00	7,066.25	14,474.58	6,878.96	220.73	219.07	43.22	-409.06	-6,927.87	257.02	-62.64	319.65	0.804	Level 1				
14,800.00	7,064.81	14,574.58	6,877.64	223.54	221.88	43.17	-412.71	-7,027.80	256.64	-66.90	323.54	0.793	Level 1				
14,900.00	7,063.37	14,674.57	6,876.33	226.35	224.69	43.12	-416.35	-7,127.72	256.26	-71.15	327.41	0.783	Level 1				
15,000.00	7,061.92	14,774.57	6,875.01	229.16	227.50	43.07	-420.00	-7,227.64	255.89	-75.40	331.29	0.772	Level 1				
15,100.00	7,060.48	14,874.57	6,873.70	231.98	230.32	43.03	-423.64	-7,327.57	255.51	-79.64	335.15	0.762	Level 1				
15,200.00	7,059.04	14,974.57	6,872.38	234.79	233.13	42.98	-427.29	-7,427.49	255.13	-83.88	339.01	0.753	Level 1				
15,300.00	7,057.60	15,074.57	6,871.07	237.61	235.95	42.93	-430.93	-7,527.42	254.76	-88.11	342.87	0.743	Level 1				
15,400.00	7,056.15	15,174.57	6,869.75	240.42	238.76	42.88	-434.58	-7,627.34	254.38	-92.34	346.72	0.734	Level 1				
15,500.00	7,054.71	15,274.57	6,868.44	243.24	241.58	42.83	-438.22	-7,727.26	254.00	-96.55	350.56	0.725	Level 1				
15,600.00	7,053.27	15,374.57	6,867.12	246.05	244.39	42.78	-441.87	-7,827.19	253.63	-100.77	354.40	0.716	Level 1				
15,687.75	7,052.00	15,462.32	6,865.97	248.53	246.87	42.74	-445.07	-7,914.88	253.30	-104.46	357.76	0.708	Level 1, ES, SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	6.15	134.42	14.48	135.20					
100.00	100.00	100.00	100.00	3.28	3.28	6.15	134.42	14.48	135.20	128.63	6.57	20.580		
200.00	200.00	200.00	200.00	3.34	3.34	6.15	134.42	14.48	135.20	128.53	6.67	20.258		
300.00	300.00	300.00	300.00	3.44	3.44	6.15	134.42	14.48	135.20	128.31	6.89	19.623 CC, ES		
400.00	399.98	395.48	395.46	3.60	3.60	-108.24	136.01	14.37	137.38	130.18	7.20	19.074		
500.00	499.84	490.48	490.34	3.79	3.79	-110.31	140.74	14.04	144.05	136.44	7.61	18.928 SF		
600.00	599.45	584.52	584.06	4.03	4.02	-113.31	148.51	13.50	155.57	147.47	8.10	19.207		
700.00	698.70	677.17	676.08	4.30	4.27	-116.76	159.16	12.76	172.31	163.66	8.65	19.920		
800.00	797.47	767.99	765.91	4.61	4.54	-120.23	172.47	11.84	194.56	185.32	9.24	21.050		
900.00	895.62	862.87	859.49	4.96	4.85	-123.72	188.09	10.76	221.20	211.34	9.86	22.435		
1,000.00	993.06	957.25	952.57	5.34	5.16	-126.99	203.63	9.68	250.66	240.15	10.51	23.849		
1,100.00	1,089.64	1,050.53	1,044.58	5.75	5.49	-129.98	218.98	8.62	283.06	271.86	11.20	25.276		
1,110.48	1,099.71	1,060.24	1,054.15	5.80	5.53	-130.28	220.58	8.51	286.63	275.35	11.28	25.418		
1,200.00	1,185.67	1,143.11	1,135.89	6.20	5.84	-133.02	234.23	7.57	317.58	305.67	11.91	26.663		
1,300.00	1,281.70	1,235.68	1,227.19	6.67	6.20	-135.51	249.47	6.51	352.79	340.15	12.64	27.907		
1,400.00	1,377.72	1,328.25	1,318.49	7.16	6.57	-137.56	264.71	5.46	388.49	375.10	13.39	29.006		
1,500.00	1,473.75	1,420.83	1,409.80	7.66	6.94	-139.27	279.96	4.40	424.56	410.40	14.16	29.977		
1,600.00	1,569.77	1,513.40	1,501.10	8.17	7.32	-140.71	295.20	3.35	460.91	445.97	14.95	30.837		
1,700.00	1,665.80	1,605.97	1,592.40	8.69	7.71	-141.95	310.44	2.29	497.48	481.74	15.74	31.599		
1,800.00	1,761.82	1,701.46	1,683.70	9.22	8.12	-143.01	325.68	1.24	534.22	517.66	16.56	32.254		
1,900.00	1,857.85	1,791.12	1,775.01	9.76	8.50	-143.94	340.92	0.18	571.11	553.74	17.37	32.883		
2,000.00	1,953.87	1,883.69	1,866.31	10.30	8.90	-144.76	356.17	-0.88	608.11	589.91	18.19	33.425		
2,100.00	2,049.90	1,976.26	1,957.61	10.84	9.30	-145.49	371.41	-1.93	645.20	626.17	19.03	33.913		
2,200.00	2,145.92	2,068.83	2,048.91	11.39	9.71	-146.13	386.65	-2.99	682.37	662.51	19.86	34.353		
2,300.00	2,241.94	2,161.40	2,140.22	11.95	10.11	-146.71	401.89	-4.04	719.61	698.91	20.71	34.751		
2,400.00	2,337.97	2,253.98	2,231.52	12.50	10.52	-147.23	417.14	-5.10	756.91	735.36	21.56	35.113		
2,500.00	2,433.99	2,346.55	2,322.82	13.06	10.94	-147.71	432.38	-6.15	794.26	771.85	22.41	35.443		
2,600.00	2,530.02	2,439.12	2,414.13	13.63	11.35	-148.14	447.62	-7.21	831.65	808.38	23.27	35.745		
2,700.00	2,626.04	2,531.69	2,505.43	14.19	11.76	-148.53	462.86	-8.26	869.08	844.95	24.13	36.022		
2,800.00	2,722.07	2,624.27	2,596.73	14.76	12.18	-148.89	478.11	-9.32	906.54	881.55	24.99	36.276		
2,900.00	2,818.09	2,716.84	2,688.03	15.32	12.60	-149.23	493.35	-10.37	944.03	918.17	25.86	36.511		
3,000.00	2,914.12	2,809.41	2,779.34	15.89	13.02	-149.53	508.59	-11.43	981.54	954.82	26.72	36.729		
3,100.00	3,010.14	2,901.98	2,870.64	16.46	13.44	-149.82	523.83	-12.48	1,019.08	991.48	27.59	36.930		
3,200.00	3,106.17	3,005.44	2,961.94	17.03	13.91	-150.08	539.08	-13.54	1,056.64	1,028.12	28.52	37.053		
3,298.02	3,200.29	3,085.29	3,051.44	17.59	14.27	-150.33	554.02	-14.57	1,093.47	1,064.14	29.33	37.288		
3,300.00	3,202.19	3,087.13	3,053.25	17.60	14.28	-150.34	554.32	-14.59	1,094.21	1,064.87	29.34	37.291		
3,400.00	3,298.70	3,180.31	3,145.15	18.16	14.70	-150.90	569.66	-15.65	1,130.33	1,100.11	30.21	37.410		
3,500.00	3,396.07	3,274.60	3,238.15	18.68	15.13	-151.32	585.19	-16.73	1,163.59	1,132.51	31.08	37.434		
3,600.00	3,494.17	3,369.87	3,332.11	19.18	15.57	-151.62	600.87	-17.82	1,193.96	1,162.01	31.95	37.369		
3,700.00	3,592.88	3,466.02	3,426.94	19.64	16.01	-151.80	616.70	-18.91	1,221.38	1,188.57	32.81	37.223		
3,800.00	3,692.10	3,562.92	3,522.51	20.08	16.45	-151.88	632.66	-20.02	1,245.84	1,212.17	33.67	37.001		
3,900.00	3,791.69	3,660.45	3,618.70	20.49	16.90	-151.85	648.72	-21.13	1,267.32	1,232.80	34.52	36.710		
4,000.00	3,891.53	3,758.50	3,715.41	20.88	17.35	-151.73	664.86	-22.24	1,285.81	1,250.44	35.37	36.355		
4,108.50	4,000.00	3,865.33	3,820.77	21.27	17.84	-37.84	682.45	-23.46	1,302.49	1,266.22	36.27	35.912		
4,200.00	4,091.50	3,955.57	3,909.78	21.58	18.26	-37.48	697.31	-24.49	1,315.11	1,278.09	37.02	35.523		
4,300.00	4,191.50	4,054.20	4,007.06	21.92	18.71	-37.09	713.55	-25.62	1,328.96	1,291.11	37.85	35.114		
4,400.00	4,291.50	4,152.83	4,104.33	22.27	19.17	-36.70	729.79	-26.74	1,342.87	1,304.19	38.68	34.722		
4,500.00	4,391.50	4,251.46	4,201.61	22.62	19.62	-36.33	746.03	-27.86	1,356.84	1,317.33	39.51	34.345		
4,600.00	4,491.50	4,350.09	4,298.88	22.97	20.08	-35.96	762.27	-28.99	1,370.86	1,330.52	40.34	33.983		
4,700.00	4,591.50	4,448.72	4,396.16	23.33	20.54	-35.60	778.51	-30.11	1,384.94	1,343.76	41.17	33.635		
4,800.00	4,691.50	4,547.35	4,493.44	23.69	20.99	-35.25	794.75	-31.24	1,399.07	1,357.06	42.01	33.301		
4,900.00	4,791.50	4,645.97	4,590.71	24.05	21.45	-34.90	810.99	-32.36	1,413.25	1,370.40	42.85	32.979		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,744.60	4,687.99	24.42	21.90	-34.56	827.23	-33.48	1,427.48	1,383.79	43.69	32.670		
5,100.00	4,991.50	4,843.23	4,785.26	24.78	22.36	-34.23	843.47	-34.61	1,441.76	1,397.23	44.54	32.372		
5,200.00	5,091.50	4,941.86	4,882.54	25.15	22.82	-33.90	859.71	-35.73	1,456.09	1,410.71	45.38	32.084		
5,300.00	5,191.50	5,040.49	4,979.82	25.53	23.28	-33.58	875.95	-36.86	1,470.46	1,424.23	46.23	31.808		
5,400.00	5,291.50	5,139.12	5,077.09	25.90	23.73	-33.27	892.19	-37.98	1,484.88	1,437.80	47.08	31.541		
5,500.00	5,391.50	5,237.75	5,174.37	26.28	24.19	-32.96	908.42	-39.11	1,499.34	1,451.42	47.93	31.283		
5,600.00	5,491.50	5,336.37	5,271.64	26.65	24.65	-32.66	924.66	-40.23	1,513.85	1,465.07	48.78	31.035		
5,700.00	5,591.50	5,435.00	5,368.92	27.03	25.11	-32.36	940.90	-41.35	1,528.39	1,478.76	49.63	30.795		
5,800.00	5,691.50	5,533.63	5,466.20	27.41	25.57	-32.07	957.14	-42.48	1,542.97	1,492.49	50.49	30.563		
5,900.00	5,791.50	5,632.26	5,563.47	27.80	26.02	-31.79	973.38	-43.60	1,557.59	1,506.25	51.34	30.339		
6,000.00	5,891.50	5,730.89	5,660.75	28.18	26.48	-31.51	989.62	-44.73	1,572.25	1,520.05	52.20	30.122		
6,100.00	5,991.50	5,829.52	5,758.02	28.57	26.94	-31.23	1,005.86	-45.85	1,586.95	1,533.89	53.05	29.912		
6,200.00	6,091.50	5,928.14	5,855.30	28.96	27.40	-30.96	1,022.10	-46.97	1,601.68	1,547.76	53.91	29.709		
6,300.00	6,191.50	6,026.77	5,952.58	29.35	27.86	-30.70	1,038.34	-48.10	1,616.44	1,561.67	54.77	29.513		
6,400.00	6,291.50	6,125.40	6,049.20	29.74	28.32	-30.45	1,187.08	756.16	1,616.45	1,555.13	61.32	26.359		
6,500.00	6,391.50	6,224.03	6,146.91	30.13	28.78	-30.20	1,187.08	757.19	1,585.83	1,522.72	63.11	25.128		
6,600.00	6,491.50	6,322.66	6,240.54	30.52	29.24	-30.00	1,187.08	758.22	1,561.02	1,496.28	64.74	24.113		
6,639.95	6,531.45	6,362.29	6,279.92	30.68	29.40	-30.00	1,187.09	758.64	1,552.80	1,487.46	65.34	23.766		
6,650.00	6,541.50	6,372.92	6,289.55	30.72	29.44	-30.00	1,187.09	758.66	1,550.89	1,485.41	65.48	23.685		
6,700.00	6,591.41	6,422.55	6,339.19	30.90	29.62	-30.00	1,187.08	756.42	1,542.40	1,476.28	66.12	23.328		
6,750.00	6,640.95	6,472.18	6,388.73	31.09	29.80	-30.00	1,187.05	750.28	1,535.63	1,468.99	66.64	23.044		
6,800.00	6,689.82	6,521.81	6,437.26	31.29	30.00	-30.00	1,187.01	740.26	1,530.61	1,463.57	67.04	22.830		
6,850.00	6,737.71	6,569.70	6,485.15	31.49	30.20	-30.00	1,186.95	726.44	1,527.31	1,459.98	67.33	22.684		
6,900.00	6,784.33	6,617.59	6,532.84	31.70	30.40	-30.00	1,186.88	708.89	1,525.66	1,458.16	67.50	22.601		
6,928.66	6,810.36	6,643.62	6,558.87	31.82	30.45	-30.00	1,186.83	697.19	1,525.42	1,457.61	67.81	22.495		
6,950.00	6,829.39	6,662.65	6,577.90	31.92	30.50	-30.00	1,186.79	687.72	1,525.55	1,457.95	67.60	22.567		
7,000.00	6,872.61	6,705.87	6,620.03	32.15	30.75	-30.00	1,186.69	663.07	1,526.83	1,459.22	67.61	22.583		
7,050.00	6,913.73	6,746.99	6,661.15	32.41	31.00	-30.00	1,186.58	635.09	1,529.32	1,461.78	67.54	22.644		
7,100.00	6,952.49	6,785.70	6,699.86	32.68	31.25	-30.00	1,186.45	603.94	1,532.83	1,465.38	67.45	22.727		
7,150.00	6,988.66	6,821.81	6,736.97	32.98	31.50	-30.00	1,186.29	568.25	1,537.14	1,469.90	67.24	22.861		
7,200.00	7,022.01	6,855.92	6,771.08	33.31	31.75	-30.00	1,185.81	528.18	1,541.96	1,474.93	67.03	23.003		
7,250.00	7,052.33	6,889.03	6,805.19	33.67	32.00	-30.00	1,184.95	489.98	1,547.17	1,480.29	66.87	23.137		
7,300.00	7,079.44	6,922.14	6,832.30	34.07	32.25	-30.00	1,183.77	453.48	1,552.67	1,485.91	66.76	23.259		
7,350.00	7,103.17	6,955.25	6,859.41	34.51	32.50	-30.00	1,182.30	418.55	1,558.38	1,491.68	66.70	23.364		
7,400.00	7,123.38	6,988.36	6,886.52	34.98	32.75	-30.00	1,180.56	385.07	1,564.22	1,497.52	66.70	23.451		
7,450.00	7,139.94	7,021.47	6,913.63	35.50	33.00	-30.00	1,178.57	352.98	1,570.09	1,503.32	66.76	23.518		
7,500.00	7,152.75	7,054.58	6,940.74	36.05	33.25	-30.00	1,176.35	322.20	1,575.89	1,509.01	66.88	23.562		
7,550.00	7,161.73	7,063.56	6,949.72	36.64	33.50	-30.00	1,173.92	292.71	1,581.56	1,514.50	67.07	23.582		
7,600.00	7,166.82	7,068.65	6,954.81	37.26	33.75	-30.00	1,171.29	264.45	1,587.00	1,519.70	67.30	23.580		
7,649.14	7,168.00	7,070.83	6,957.00	37.89	34.00	-30.00	1,168.53	237.87	1,592.06	1,524.47	67.59	23.556		
7,700.00	7,167.27	7,070.06	6,956.23	38.57	34.25	-30.00	1,165.57	212.24	1,597.49	1,529.56	67.93	23.516		
7,800.00	7,165.83	7,068.62	6,954.79	40.04	35.00	-30.00	1,159.79	168.78	1,610.61	1,541.85	68.76	23.425		
7,900.00	7,164.38	7,067.17	6,953.34	41.66	35.75	-30.00	1,154.26	133.40	1,627.31	1,557.58	69.73	23.338		
8,000.00	7,162.94	7,065.72	6,951.89	43.40	36.50	-30.00	1,149.09	104.70	1,647.94	1,577.14	70.80	23.275		
8,100.00	7,161.50	7,064.28	6,950.45	45.26	37.25	-30.00	1,144.61	82.63	1,672.72	1,600.75	71.97	23.242		
8,200.00	7,160.05	7,062.83	6,949.00	47.21	38.00	-30.00	1,140.02	62.40	1,701.75	1,628.63	73.11	23.276		
8,300.00	7,158.61	7,061.39	6,947.56	49.26	38.75	-30.00	1,136.10	46.84	1,735.04	1,660.76	74.28	23.358		
8,400.00	7,157.17	7,060.95	6,946.12	51.38	39.50	-30.00	1,132.56	34.01	1,772.53	1,697.10	75.43	23.500		
8,500.00	7,155.73	7,060.51	6,944.68	53.57	40.25	-30.00	1,130.73	27.79	1,814.15	1,737.50	76.65	23.667		
8,600.00	7,154.28	7,060.07	6,943.24	55.82	41.00	-30.00	1,126.47	14.43	1,859.57	1,782.01	77.57	23.973		
8,700.00	7,152.84	7,059.63	6,941.80	58.12	41.75	-30.00	1,123.31	5.45	1,908.77	1,830.28	78.50	24.317		
8,800.00	7,151.40	7,059.19	6,940.36	60.47	42.50	-30.00	1,123.31	5.45	1,961.56	1,881.95	79.61	24.640		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	6,523.70	6,436.86	62.86	30.08	63.75	1,119.31	-4.88	2,017.42	1,937.14	80.28	25.128		
9,000.00	7,148.51	6,500.00	6,415.02	65.28	29.99	63.02	1,115.64	-13.32	2,076.53	1,995.63	80.90	25.666		
9,100.00	7,147.07	6,500.00	6,415.02	67.74	29.99	63.02	1,115.64	-13.32	2,138.31	2,056.56	81.75	26.158		
9,200.00	7,145.62	6,500.00	6,415.02	70.23	29.99	63.02	1,115.64	-13.32	2,202.89	2,120.40	82.49	26.703		
9,300.00	7,144.18	6,478.85	6,395.28	72.74	29.91	62.37	1,112.33	-20.15	2,269.70	2,186.78	82.92	27.372		
9,400.00	7,142.74	6,469.91	6,386.87	75.28	29.87	62.09	1,110.92	-22.84	2,338.84	2,255.41	83.42	28.036		
9,500.00	7,141.29	6,450.00	6,368.01	77.84	29.79	61.48	1,107.75	-28.39	2,410.14	2,326.40	83.74	28.782		
9,600.00	7,139.85	6,450.00	6,368.01	80.42	29.79	61.48	1,107.75	-28.39	2,483.13	2,398.90	84.23	29.482		
9,700.00	7,138.41	6,450.00	6,368.01	83.01	29.79	61.48	1,107.75	-28.39	2,557.95	2,473.29	84.66	30.215		
9,800.00	7,136.97	6,450.00	6,368.01	85.62	29.79	61.48	1,107.75	-28.39	2,634.44	2,549.40	85.04	30.978		
9,900.00	7,135.52	6,450.00	6,368.01	88.25	29.79	61.48	1,107.75	-28.39	2,712.46	2,627.08	85.38	31.769		
10,000.00	7,134.08	6,428.67	6,347.63	90.89	29.70	60.82	1,104.34	-33.67	2,791.51	2,706.04	85.47	32.660		
10,100.00	7,132.64	6,423.34	6,342.52	93.54	29.68	60.65	1,103.48	-34.88	2,872.01	2,786.31	85.69	33.515		
10,200.00	7,131.19	6,400.00	6,319.99	96.20	29.58	59.93	1,099.71	-39.67	2,953.93	2,868.22	85.71	34.465		
10,300.00	7,129.75	6,400.00	6,319.99	98.87	29.58	59.93	1,099.71	-39.67	3,036.51	2,950.58	85.93	35.337		
10,400.00	7,128.31	6,400.00	6,319.99	101.55	29.58	59.93	1,099.71	-39.67	3,120.12	3,033.99	86.13	36.227		
10,500.00	7,126.86	6,400.00	6,319.99	104.24	29.58	59.93	1,099.71	-39.67	3,204.66	3,118.36	86.30	37.133		
10,600.00	7,125.42	6,400.00	6,319.99	106.94	29.58	59.93	1,099.71	-39.67	3,290.07	3,203.61	86.46	38.054		
10,700.00	7,123.98	6,400.00	6,319.99	109.64	29.58	59.93	1,099.71	-39.67	3,376.28	3,289.69	86.60	38.989		
10,800.00	7,122.53	6,400.00	6,319.99	112.36	29.58	59.93	1,099.71	-39.67	3,463.24	3,376.52	86.72	39.936		
10,900.00	7,121.09	6,400.00	6,319.99	115.08	29.58	59.93	1,099.71	-39.67	3,550.88	3,464.05	86.83	40.895		
11,000.00	7,119.65	6,400.00	6,319.99	117.80	29.58	59.93	1,099.71	-39.67	3,639.16	3,552.23	86.93	41.864		
11,100.00	7,118.20	6,400.00	6,319.99	120.53	29.58	59.93	1,099.71	-39.67	3,728.02	3,641.01	87.01	42.844		
11,200.00	7,116.76	6,400.00	6,319.99	123.26	29.58	59.93	1,099.71	-39.67	3,817.45	3,730.35	87.09	43.832		
11,300.00	7,115.32	6,378.90	6,299.48	126.00	29.48	59.27	1,096.28	-43.28	3,907.01	3,820.01	87.00	44.910		
11,400.00	7,113.88	6,376.30	6,296.95	128.75	29.47	59.19	1,095.85	-43.68	3,997.32	3,910.28	87.04	45.925		
11,500.00	7,112.43	6,373.82	6,294.53	131.50	29.46	59.11	1,095.45	-44.05	4,088.07	4,000.99	87.08	46.946		
11,600.00	7,110.99	6,371.45	6,292.22	134.25	29.45	59.04	1,095.06	-44.39	4,179.24	4,092.12	87.12	47.973		
11,700.00	7,109.55	6,350.00	6,271.23	137.01	29.36	58.38	1,091.55	-47.10	4,271.10	4,184.11	87.00	49.095		
11,800.00	7,108.10	6,350.00	6,271.23	139.77	29.36	58.38	1,091.55	-47.10	4,362.95	4,275.91	87.04	50.123		
11,900.00	7,106.66	6,350.00	6,271.23	142.53	29.36	58.38	1,091.55	-47.10	4,455.15	4,368.07	87.09	51.157		
12,000.00	7,105.22	6,350.00	6,271.23	145.30	29.36	58.38	1,091.55	-47.10	4,547.69	4,460.56	87.13	52.195		
12,100.00	7,103.77	6,350.00	6,271.23	148.06	29.36	58.38	1,091.55	-47.10	4,640.53	4,553.36	87.16	53.238		
12,200.00	7,102.33	6,350.00	6,271.23	150.84	29.36	58.38	1,091.55	-47.10	4,733.66	4,646.46	87.20	54.286		
12,300.00	7,100.89	6,350.00	6,271.23	153.61	29.36	58.38	1,091.55	-47.10	4,827.07	4,739.83	87.23	55.336		
12,400.00	7,099.44	6,350.00	6,271.23	156.39	29.36	58.38	1,091.55	-47.10	4,920.73	4,833.47	87.26	56.391		
12,500.00	7,098.00	6,350.00	6,271.23	159.17	29.36	58.38	1,091.55	-47.10	5,014.64	4,927.35	87.29	57.448		
12,600.00	7,096.56	6,350.00	6,271.23	161.95	29.36	58.38	1,091.55	-47.10	5,108.79	5,021.47	87.32	58.509		
12,700.00	7,095.12	6,350.00	6,271.23	164.73	29.36	58.38	1,091.55	-47.10	5,203.15	5,115.80	87.34	59.572		
12,800.00	7,093.67	6,350.00	6,271.23	167.52	29.36	58.38	1,091.55	-47.10	5,297.71	5,210.35	87.37	60.638		
12,900.00	7,092.23	6,350.00	6,271.23	170.31	29.36	58.38	1,091.55	-47.10	5,392.48	5,305.09	87.39	61.706		
13,000.00	7,090.79	6,350.00	6,271.23	173.09	29.36	58.38	1,091.55	-47.10	5,487.43	5,400.01	87.41	62.776		
13,100.00	7,089.34	6,350.00	6,271.23	175.89	29.36	58.38	1,091.55	-47.10	5,582.55	5,495.12	87.44	63.848		
13,200.00	7,087.90	6,350.00	6,271.23	178.68	29.36	58.38	1,091.55	-47.10	5,677.85	5,590.39	87.46	64.921		
13,300.00	7,086.46	6,350.00	6,271.23	181.47	29.36	58.38	1,091.55	-47.10	5,773.30	5,685.82	87.48	65.996		
13,400.00	7,085.01	6,350.00	6,271.23	184.27	29.36	58.38	1,091.55	-47.10	5,868.90	5,781.40	87.50	67.072		
13,500.00	7,083.57	6,350.00	6,271.23	187.07	29.36	58.38	1,091.55	-47.10	5,964.65	5,877.13	87.52	68.150		
13,600.00	7,082.13	6,350.00	6,271.23	189.86	29.36	58.38	1,091.55	-47.10	6,060.54	5,972.99	87.54	69.228		
13,700.00	7,080.68	6,350.00	6,271.23	192.66	29.36	58.38	1,091.55	-47.10	6,156.55	6,068.99	87.57	70.307		
13,800.00	7,079.24	6,350.00	6,271.23	195.47	29.36	58.38	1,091.55	-47.10	6,252.69	6,165.11	87.59	71.388		
13,900.00	7,077.80	6,350.00	6,271.23	198.27	29.36	58.38	1,091.55	-47.10	6,348.95	6,261.34	87.61	72.468		
14,000.00	7,076.36	6,350.00	6,271.23	201.07	29.36	58.38	1,091.55	-47.10	6,445.33	6,357.70	87.63	73.550		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,074.91	6,350.00	6,271.23	203.88	29.36	58.38	1,091.55	-47.10	6,541.81	6,454.16	87.66	74.631	
14,200.00	7,073.47	6,350.00	6,271.23	206.68	29.36	58.38	1,091.55	-47.10	6,638.40	6,550.72	87.68	75.713	
14,300.00	7,072.03	6,350.00	6,271.23	209.49	29.36	58.38	1,091.55	-47.10	6,735.09	6,647.38	87.70	76.795	
14,400.00	7,070.58	6,350.00	6,271.23	212.30	29.36	58.38	1,091.55	-47.10	6,831.87	6,744.14	87.73	77.877	
14,500.00	7,069.14	6,350.00	6,271.23	215.11	29.36	58.38	1,091.55	-47.10	6,928.74	6,840.99	87.75	78.960	
14,600.00	7,067.70	6,350.00	6,271.23	217.92	29.36	58.38	1,091.55	-47.10	7,025.70	6,937.93	87.78	80.042	
14,700.00	7,066.25	6,350.00	6,271.23	220.73	29.36	58.38	1,091.55	-47.10	7,122.75	7,034.95	87.80	81.124	
14,800.00	7,064.81	6,350.00	6,271.23	223.54	29.36	58.38	1,091.55	-47.10	7,219.87	7,132.05	87.83	82.206	
14,900.00	7,063.37	6,327.31	6,248.95	226.35	29.25	57.68	1,087.82	-49.19	7,316.65	7,228.94	87.71	83.421	
15,000.00	7,061.92	6,326.55	6,248.20	229.16	29.25	57.66	1,087.70	-49.25	7,413.90	7,326.17	87.73	84.508	
15,100.00	7,060.48	6,325.81	6,247.47	231.98	29.25	57.64	1,087.58	-49.30	7,511.22	7,423.47	87.75	85.594	
15,200.00	7,059.04	6,325.09	6,246.76	234.79	29.24	57.61	1,087.46	-49.35	7,608.61	7,520.83	87.78	86.680	
15,300.00	7,057.60	6,324.38	6,246.07	237.61	29.24	57.59	1,087.34	-49.40	7,706.06	7,618.26	87.80	87.765	
15,400.00	7,056.15	6,323.69	6,245.39	240.42	29.24	57.57	1,087.23	-49.45	7,803.58	7,715.75	87.83	88.849	
15,500.00	7,054.71	6,323.02	6,244.73	243.24	29.23	57.55	1,087.12	-49.49	7,901.16	7,813.30	87.86	89.933	
15,600.00	7,053.27	6,300.00	6,222.05	246.05	29.13	56.85	1,083.33	-50.63	7,999.21	7,911.48	87.74	91.171	
15,687.75	7,052.00	6,300.00	6,222.05	248.53	29.13	56.85	1,083.33	-50.63	8,084.92	7,997.16	87.77	92.118	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	5.64	149.36	14.75	150.09					
100.00	100.00	100.00	100.00	3.28	3.28	5.64	149.36	14.75	150.09	143.52	6.57	22.847		
200.00	200.00	200.00	200.00	3.34	3.34	5.64	149.36	14.75	150.09	143.42	6.67	22.489 CC, ES		
300.00	300.00	295.04	295.02	3.44	3.44	5.55	150.94	14.67	151.73	144.84	6.89	22.011		
400.00	399.98	389.80	389.66	3.60	3.59	-108.82	155.64	14.44	157.21	149.99	7.22	21.773 SF		
500.00	499.84	483.84	483.38	3.79	3.78	-110.60	163.40	14.04	167.18	159.55	7.64	21.890		
600.00	599.45	576.71	575.62	4.03	4.01	-113.08	174.06	13.50	181.93	173.80	8.13	22.373		
700.00	698.70	667.98	665.90	4.30	4.26	-115.90	187.45	12.82	201.73	193.05	8.68	23.235		
800.00	797.47	763.34	759.93	4.61	4.54	-118.98	203.31	12.02	225.66	216.40	9.26	24.372		
900.00	895.62	858.70	853.96	4.96	4.85	-122.05	219.19	11.22	252.09	242.22	9.87	25.545		
1,000.00	993.06	953.10	947.03	5.34	5.17	-125.00	234.92	10.42	281.19	270.66	10.53	26.709		
1,100.00	1,089.64	1,046.40	1,039.03	5.75	5.51	-127.78	250.46	9.63	313.12	301.90	11.22	27.907		
1,110.48	1,099.71	1,056.11	1,048.60	5.80	5.55	-128.06	252.07	9.55	316.63	305.33	11.30	28.024		
1,200.00	1,185.67	1,139.01	1,130.34	6.20	5.86	-130.70	265.88	8.85	347.12	335.18	11.94	29.079		
1,300.00	1,281.70	1,231.61	1,221.64	6.67	6.22	-133.16	281.30	8.07	381.84	369.17	12.67	30.129		
1,400.00	1,377.72	1,324.21	1,312.94	7.16	6.59	-135.21	296.73	7.29	417.09	403.66	13.43	31.057		
1,500.00	1,473.75	1,416.80	1,404.24	7.66	6.97	-136.95	312.15	6.51	452.74	438.53	14.20	31.875		
1,600.00	1,569.77	1,509.40	1,495.55	8.17	7.35	-138.44	327.57	5.73	488.70	473.71	14.99	32.599		
1,700.00	1,665.80	1,602.00	1,586.85	8.69	7.74	-139.72	342.99	4.94	524.92	509.13	15.79	33.240		
1,800.00	1,761.82	1,694.60	1,678.15	9.22	8.14	-140.84	358.42	4.16	561.34	544.74	16.60	33.809		
1,900.00	1,857.85	1,787.20	1,769.45	9.76	8.54	-141.83	373.84	3.38	597.93	580.51	17.42	34.317		
2,000.00	1,953.87	1,879.80	1,860.75	10.30	8.94	-142.70	389.26	2.60	634.65	616.40	18.25	34.772		
2,100.00	2,049.90	1,972.40	1,952.06	10.84	9.34	-143.48	404.69	1.82	671.49	652.40	19.09	35.181		
2,200.00	2,145.92	2,065.00	2,043.36	11.39	9.75	-144.18	420.11	1.04	708.42	688.50	19.93	35.549		
2,300.00	2,241.94	2,157.60	2,134.66	11.95	10.16	-144.81	435.53	0.26	745.44	724.67	20.77	35.882		
2,400.00	2,337.97	2,250.20	2,225.96	12.50	10.57	-145.38	450.95	-0.52	782.53	760.90	21.63	36.185		
2,500.00	2,433.99	2,342.79	2,317.27	13.06	10.98	-145.89	466.38	-1.31	819.68	797.19	22.48	36.460		
2,600.00	2,530.02	2,435.39	2,408.57	13.63	11.40	-146.37	481.80	-2.09	856.88	833.54	23.34	36.712		
2,700.00	2,626.04	2,527.99	2,499.87	14.19	11.81	-146.80	497.22	-2.87	894.12	869.92	24.20	36.943		
2,800.00	2,722.07	2,620.59	2,591.17	14.76	12.23	-147.20	512.65	-3.65	931.41	906.34	25.07	37.155		
2,900.00	2,818.09	2,713.19	2,682.47	15.32	12.65	-147.57	528.07	-4.43	968.74	942.80	25.94	37.350		
3,000.00	2,914.12	2,805.79	2,773.78	15.89	13.07	-147.91	543.49	-5.21	1,006.09	979.29	26.81	37.531		
3,100.00	3,010.14	2,901.61	2,865.08	16.46	13.50	-148.23	558.91	-5.99	1,043.48	1,015.78	27.69	37.679		
3,200.00	3,106.17	3,009.01	2,966.38	17.03	13.99	-148.52	574.34	-6.77	1,080.89	1,052.25	28.64	37.747		
3,298.02	3,200.29	3,081.75	3,045.87	17.59	14.33	-148.79	589.45	-7.54	1,117.58	1,088.17	29.41	37.995		
3,300.00	3,202.19	3,083.59	3,047.68	17.60	14.33	-148.81	589.76	-7.56	1,118.32	1,088.89	29.43	37.998		
3,400.00	3,298.70	3,176.79	3,139.59	18.16	14.76	-149.41	605.28	-8.34	1,154.33	1,124.02	30.31	38.090		
3,500.00	3,396.07	3,271.10	3,232.57	18.68	15.19	-149.87	620.99	-9.14	1,187.52	1,156.35	31.18	38.092		
3,600.00	3,494.17	3,366.38	3,326.52	19.18	15.63	-150.20	636.86	-9.94	1,217.85	1,185.81	32.04	38.007		
3,700.00	3,592.88	3,462.53	3,421.32	19.64	16.07	-150.41	652.87	-10.75	1,245.29	1,212.38	32.91	37.844		
3,800.00	3,692.10	3,559.42	3,516.85	20.08	16.51	-150.51	669.01	-11.57	1,269.80	1,236.03	33.76	37.608		
3,900.00	3,791.69	3,656.94	3,613.01	20.49	16.96	-150.51	685.26	-12.39	1,291.36	1,256.75	34.62	37.305		
4,000.00	3,891.53	3,754.97	3,709.67	20.88	17.41	-150.41	701.58	-13.22	1,309.98	1,274.51	35.46	36.940		
4,108.50	4,000.00	3,861.77	3,814.97	21.27	17.91	-36.53	719.37	-14.12	1,326.84	1,290.47	36.36	36.488		
4,200.00	4,091.50	3,951.99	3,903.93	21.58	18.32	-36.17	734.40	-14.88	1,339.62	1,302.51	37.12	36.093		
4,300.00	4,191.50	4,050.59	4,001.15	21.92	18.78	-35.79	750.82	-15.72	1,353.66	1,315.71	37.94	35.677		
4,400.00	4,291.50	4,149.19	4,098.37	22.27	19.23	-35.41	767.24	-16.55	1,367.75	1,328.98	38.77	35.278		
4,500.00	4,391.50	4,247.79	4,195.59	22.62	19.69	-35.04	783.66	-17.38	1,381.90	1,342.29	39.60	34.895		
4,600.00	4,491.50	4,346.39	4,292.81	22.97	20.14	-34.68	800.09	-18.21	1,396.10	1,355.67	40.43	34.527		
4,700.00	4,591.50	4,444.99	4,390.02	23.33	20.60	-34.32	816.51	-19.04	1,410.36	1,369.09	41.27	34.173		
4,800.00	4,691.50	4,543.59	4,487.24	23.69	21.06	-33.97	832.93	-19.87	1,424.67	1,382.56	42.11	33.833		
4,900.00	4,791.50	4,642.19	4,584.46	24.05	21.52	-33.63	849.35	-20.71	1,439.03	1,396.08	42.95	33.506		

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 13C-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 13C-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	4,891.50	4,740.79	4,681.68	24.42	21.97	-33.30	865.78	-21.54	1,453.45	1,409.65	43.79	33.191		
5,100.00	4,991.50	4,839.39	4,778.90	24.78	22.43	-32.97	882.20	-22.37	1,467.90	1,423.27	44.63	32.888		
5,200.00	5,091.50	4,937.99	4,876.12	25.15	22.89	-32.65	898.62	-23.20	1,482.41	1,436.93	45.48	32.595		
5,300.00	5,191.50	5,036.59	4,973.34	25.53	23.35	-32.33	915.04	-24.03	1,496.96	1,450.64	46.33	32.313		
5,400.00	5,291.50	5,135.19	5,070.56	25.90	23.80	-32.02	931.47	-24.87	1,511.56	1,464.38	47.17	32.042		
5,500.00	5,391.50	5,233.79	5,167.78	26.28	24.26	-31.72	947.89	-25.70	1,526.20	1,478.17	48.02	31.779		
5,600.00	5,491.50	5,332.39	5,264.99	26.65	24.72	-31.42	964.31	-26.53	1,540.88	1,492.00	48.88	31.526		
5,700.00	5,591.50	5,430.99	5,362.21	27.03	25.18	-31.13	980.73	-27.36	1,555.60	1,505.87	49.73	31.282		
5,800.00	5,691.50	5,529.59	5,459.43	27.41	25.64	-30.84	997.15	-28.19	1,570.35	1,519.77	50.58	31.045		
5,900.00	5,791.50	5,628.19	5,556.65	27.80	26.10	-30.56	1,013.58	-29.03	1,585.15	1,533.71	51.44	30.817		
6,000.00	5,891.50	5,726.79	5,653.87	28.18	26.56	-30.28	1,030.00	-29.86	1,599.99	1,547.69	52.29	30.596		
6,100.00	5,991.50	5,825.39	5,751.09	28.57	27.02	-30.01	1,046.42	-30.69	1,614.86	1,561.71	53.15	30.383		
6,200.00	6,091.50	5,923.99	5,848.31	28.96	27.47	-29.74	1,062.84	-31.52	1,629.76	1,575.75	54.01	30.176		
6,300.00	6,191.50	6,022.59	5,945.53	29.35	27.93	-29.48	1,079.27	-32.35	1,644.70	1,589.83	54.87	29.976		
6,400.00	6,291.50	6,121.19	6,042.74	29.74	28.39	-29.23	1,095.69	-33.19	1,659.67	1,603.94	55.73	29.782		
6,500.00	6,391.50	6,219.79	6,139.96	30.13	28.85	-28.97	1,112.11	-34.02	1,674.68	1,618.09	56.59	29.594		
6,600.00	6,491.50	7,551.83	6,956.53	30.52	37.24	-0.94	1,259.21	741.74	1,662.15	1,598.66	63.49	26.179		
6,639.95	6,531.45	7,552.24	6,956.53	30.68	37.24	-0.93	1,259.21	742.15	1,651.42	1,587.27	64.15	25.743		
6,650.00	6,541.50	7,552.27	6,956.53	30.72	37.24	91.16	1,259.22	742.18	1,648.86	1,584.55	64.31	25.639		
6,700.00	6,591.41	7,550.03	6,956.51	30.90	37.21	92.18	1,259.19	739.94	1,637.06	1,572.01	65.04	25.168		
6,750.00	6,640.95	7,543.89	6,956.45	31.09	37.12	92.90	1,259.10	733.80	1,626.84	1,561.16	65.68	24.770		
6,800.00	6,689.82	7,533.87	6,956.34	31.29	36.98	93.33	1,258.97	723.78	1,618.25	1,552.04	66.21	24.442		
6,850.00	6,737.71	7,520.04	6,956.20	31.49	36.78	93.48	1,258.78	709.95	1,611.30	1,544.67	66.63	24.183		
6,900.00	6,784.33	7,502.48	6,956.02	31.70	36.53	93.38	1,258.55	692.40	1,605.96	1,539.01	66.95	23.988		
6,950.00	6,829.39	7,481.31	6,955.80	31.92	36.25	93.03	1,258.26	671.23	1,602.16	1,534.96	67.20	23.841		
7,000.00	6,872.61	7,456.65	6,955.55	32.15	35.94	92.48	1,257.93	646.58	1,599.79	1,532.42	67.37	23.747		
7,050.00	6,913.73	7,428.66	6,955.26	32.41	35.58	91.75	1,257.55	618.59	1,598.71	1,531.26	67.46	23.700		
7,071.90	6,931.01	7,415.39	6,955.12	32.53	35.42	91.38	1,257.37	605.32	1,598.61	1,531.13	67.48	23.691		
7,100.00	6,952.49	7,393.38	6,954.82	32.68	35.15	90.75	1,257.07	583.32	1,598.76	1,531.33	67.43	23.708		
7,150.00	6,988.66	7,340.63	6,951.33	32.98	34.55	89.24	1,255.86	530.71	1,599.50	1,532.28	67.23	23.793		
7,200.00	7,022.01	7,292.56	6,944.42	33.31	34.03	87.80	1,254.13	483.18	1,600.74	1,533.65	67.09	23.859		
7,250.00	7,052.33	7,248.06	6,934.88	33.67	33.59	86.43	1,252.01	439.77	1,602.46	1,535.44	67.02	23.911		
7,300.00	7,079.44	7,206.34	6,923.25	34.07	33.21	85.11	1,249.58	399.79	1,604.63	1,537.62	67.01	23.947		
7,350.00	7,103.17	7,166.83	6,909.87	34.51	32.87	83.83	1,246.89	362.73	1,607.17	1,540.12	67.05	23.968		
7,400.00	7,123.38	7,129.11	6,895.00	34.98	32.57	82.59	1,243.97	328.18	1,610.04	1,542.89	67.15	23.975		
7,450.00	7,139.94	7,092.84	6,878.82	35.50	32.31	81.38	1,240.86	295.87	1,613.17	1,545.86	67.31	23.968		
7,500.00	7,152.75	7,057.76	6,861.48	36.05	32.08	80.21	1,237.57	265.57	1,616.47	1,548.96	67.51	23.943		
7,550.00	7,161.73	7,023.70	6,843.08	36.64	31.90	79.08	1,234.13	237.11	1,619.88	1,552.11	67.77	23.902		
7,600.00	7,166.82	6,990.48	6,823.72	37.26	31.82	78.00	1,230.54	210.37	1,623.32	1,555.24	68.07	23.846		
7,649.14	7,168.00	6,958.54	6,803.83	37.89	31.75	76.98	1,226.89	185.65	1,626.65	1,558.24	68.41	23.777		
7,700.00	7,167.27	6,927.17	6,783.12	38.57	31.67	76.25	1,223.12	162.39	1,630.47	1,561.66	68.81	23.694		
7,800.00	7,165.83	6,872.85	6,744.69	40.04	31.53	74.91	1,216.18	124.67	1,640.63	1,570.88	69.75	23.522		
7,900.00	7,164.38	6,827.00	6,709.86	41.66	31.39	73.70	1,209.95	95.51	1,654.72	1,583.89	70.84	23.360		
8,000.00	7,162.94	6,788.16	6,678.80	43.40	31.27	72.62	1,204.44	72.85	1,673.10	1,601.08	72.02	23.230		
8,100.00	7,161.50	6,750.00	6,647.02	45.26	31.15	71.52	1,198.83	52.51	1,695.98	1,622.77	73.21	23.167		
8,200.00	7,160.05	6,726.67	6,627.01	47.21	31.06	70.83	1,195.31	41.04	1,723.38	1,648.84	74.55	23.118		
8,300.00	7,158.61	6,700.00	6,603.65	49.26	30.97	70.02	1,191.22	28.85	1,755.34	1,679.55	75.78	23.163		
8,400.00	7,157.17	6,680.79	6,586.52	51.38	30.90	69.44	1,188.23	20.69	1,791.71	1,714.67	77.04	23.258		
8,500.00	7,155.73	6,662.08	6,569.61	53.57	30.83	68.86	1,185.28	13.25	1,832.36	1,754.15	78.21	23.428		
8,600.00	7,154.28	6,650.00	6,558.58	55.82	30.78	68.49	1,183.37	8.71	1,877.10	1,797.72	79.38	23.648		
8,700.00	7,152.84	6,630.94	6,541.01	58.12	30.70	67.89	1,180.32	1.99	1,925.67	1,845.31	80.35	23.965		
8,800.00	7,151.40	6,617.87	6,528.84	60.47	30.65	67.48	1,178.21	-2.31	1,977.86	1,896.56	81.30	24.327		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	6,600.00	6,512.08	62.86	30.58	66.91	1,175.31	-7.77	2,033.46	1,951.36	82.10	24.769		
9,000.00	7,148.51	6,600.00	6,512.08	65.28	30.58	66.91	1,175.31	-7.77	2,092.15	2,009.13	83.02	25.201		
9,100.00	7,147.07	6,600.00	6,512.08	67.74	30.58	66.91	1,175.31	-7.77	2,153.88	2,070.04	83.84	25.690		
9,200.00	7,145.62	6,577.27	6,490.55	70.23	30.48	66.19	1,171.60	-14.03	2,218.03	2,133.70	84.32	26.305		
9,300.00	7,144.18	6,569.31	6,482.95	72.74	30.45	65.94	1,170.29	-16.04	2,284.78	2,199.88	84.90	26.913		
9,400.00	7,142.74	6,550.00	6,464.44	75.28	30.37	65.32	1,167.11	-20.50	2,353.92	2,268.64	85.27	27.604		
9,500.00	7,141.29	6,550.00	6,464.44	77.84	30.37	65.32	1,167.11	-20.50	2,424.94	2,339.13	85.81	28.260		
9,600.00	7,139.85	6,550.00	6,464.44	80.42	30.37	65.32	1,167.11	-20.50	2,497.94	2,411.66	86.28	28.952		
9,700.00	7,138.41	6,550.00	6,464.44	83.01	30.37	65.32	1,167.11	-20.50	2,572.77	2,486.07	86.70	29.675		
9,800.00	7,136.97	6,550.00	6,464.44	85.62	30.37	65.32	1,167.11	-20.50	2,649.25	2,562.18	87.07	30.428		
9,900.00	7,135.52	6,550.00	6,464.44	88.25	30.37	65.32	1,167.11	-20.50	2,727.26	2,639.86	87.39	31.207		
10,000.00	7,134.08	6,528.51	6,443.69	90.89	30.28	64.64	1,163.55	-24.80	2,806.29	2,718.81	87.48	32.081		
10,100.00	7,132.64	6,524.20	6,439.51	93.54	30.26	64.50	1,162.84	-25.58	2,886.80	2,799.10	87.69	32.919		
10,200.00	7,131.19	6,520.16	6,435.59	96.20	30.24	64.37	1,162.17	-26.28	2,968.47	2,880.58	87.89	33.776		
10,300.00	7,129.75	6,500.00	6,415.96	98.87	30.15	63.72	1,158.81	-29.40	3,051.43	2,963.53	87.90	34.714		
10,400.00	7,128.31	6,500.00	6,415.96	101.55	30.15	63.72	1,158.81	-29.40	3,135.07	3,046.98	88.09	35.591		
10,500.00	7,126.86	6,500.00	6,415.96	104.24	30.15	63.72	1,158.81	-29.40	3,219.64	3,131.39	88.25	36.483		
10,600.00	7,125.42	6,500.00	6,415.96	106.94	30.15	63.72	1,158.81	-29.40	3,305.08	3,216.68	88.40	37.389		
10,700.00	7,123.98	6,500.00	6,415.96	109.64	30.15	63.72	1,158.81	-29.40	3,391.31	3,302.78	88.53	38.309		
10,800.00	7,122.53	6,500.00	6,415.96	112.36	30.15	63.72	1,158.81	-29.40	3,478.27	3,389.63	88.64	39.240		
10,900.00	7,121.09	6,500.00	6,415.96	115.08	30.15	63.72	1,158.81	-29.40	3,565.92	3,477.18	88.74	40.183		
11,000.00	7,119.65	6,500.00	6,415.96	117.80	30.15	63.72	1,158.81	-29.40	3,654.21	3,565.38	88.83	41.136		
11,100.00	7,118.20	6,500.00	6,415.96	120.53	30.15	63.72	1,158.81	-29.40	3,743.08	3,654.17	88.91	42.099		
11,200.00	7,116.76	6,500.00	6,415.96	123.26	30.15	63.72	1,158.81	-29.40	3,832.51	3,743.52	88.98	43.070		
11,300.00	7,115.32	6,500.00	6,415.96	126.00	30.15	63.72	1,158.81	-29.40	3,922.44	3,833.39	89.05	44.049		
11,400.00	7,113.88	6,500.00	6,415.96	128.75	30.15	63.72	1,158.81	-29.40	4,012.85	3,923.75	89.10	45.036		
11,500.00	7,112.43	6,500.00	6,415.96	131.50	30.15	63.72	1,158.81	-29.40	4,103.71	4,014.55	89.15	46.029		
11,600.00	7,110.99	6,500.00	6,415.96	134.25	30.15	63.72	1,158.81	-29.40	4,194.98	4,105.78	89.20	47.029		
11,700.00	7,109.55	6,500.00	6,415.96	137.01	30.15	63.72	1,158.81	-29.40	4,286.64	4,197.40	89.24	48.035		
11,800.00	7,108.10	6,478.75	6,395.17	139.77	30.06	63.05	1,155.27	-32.01	4,378.29	4,289.17	89.11	49.132		
11,900.00	7,106.66	6,477.08	6,393.53	142.53	30.05	62.99	1,154.99	-32.19	4,470.59	4,381.46	89.14	50.155		
12,000.00	7,105.22	6,475.47	6,391.95	145.30	30.04	62.94	1,154.72	-32.35	4,563.22	4,474.06	89.16	51.183		
12,100.00	7,103.77	6,473.93	6,390.44	148.06	30.03	62.89	1,154.46	-32.50	4,656.14	4,566.97	89.17	52.214		
12,200.00	7,102.33	6,472.44	6,388.99	150.84	30.03	62.85	1,154.22	-32.65	4,749.35	4,660.17	89.19	53.250		
12,300.00	7,100.89	6,450.00	6,366.93	153.61	29.93	62.13	1,150.47	-34.42	4,843.20	4,754.16	89.04	54.392		
12,400.00	7,099.44	6,450.00	6,366.93	156.39	29.93	62.13	1,150.47	-34.42	4,936.89	4,847.82	89.07	55.429		
12,500.00	7,098.00	6,450.00	6,366.93	159.17	29.93	62.13	1,150.47	-34.42	5,030.81	4,941.72	89.09	56.468		
12,600.00	7,096.56	6,450.00	6,366.93	161.95	29.93	62.13	1,150.47	-34.42	5,124.97	5,035.86	89.11	57.510		
12,700.00	7,095.12	6,450.00	6,366.93	164.73	29.93	62.13	1,150.47	-34.42	5,219.34	5,130.21	89.14	58.555		
12,800.00	7,093.67	6,450.00	6,366.93	167.52	29.93	62.13	1,150.47	-34.42	5,313.92	5,224.77	89.16	59.602		
12,900.00	7,092.23	6,450.00	6,366.93	170.31	29.93	62.13	1,150.47	-34.42	5,408.70	5,319.52	89.18	60.652		
13,000.00	7,090.79	6,450.00	6,366.93	173.09	29.93	62.13	1,150.47	-34.42	5,503.66	5,414.46	89.20	61.703		
13,100.00	7,089.34	6,450.00	6,366.93	175.89	29.93	62.13	1,150.47	-34.42	5,598.79	5,509.58	89.21	62.756		
13,200.00	7,087.90	6,450.00	6,366.93	178.68	29.93	62.13	1,150.47	-34.42	5,694.10	5,604.86	89.23	63.811		
13,300.00	7,086.46	6,450.00	6,366.93	181.47	29.93	62.13	1,150.47	-34.42	5,789.56	5,700.30	89.25	64.867		
13,400.00	7,085.01	6,450.00	6,366.93	184.27	29.93	62.13	1,150.47	-34.42	5,885.17	5,795.90	89.27	65.925		
13,500.00	7,083.57	6,450.00	6,366.93	187.07	29.93	62.13	1,150.47	-34.42	5,980.92	5,891.63	89.29	66.984		
13,600.00	7,082.13	6,450.00	6,366.93	189.86	29.93	62.13	1,150.47	-34.42	6,076.81	5,987.50	89.31	68.043		
13,700.00	7,080.68	6,450.00	6,366.93	192.66	29.93	62.13	1,150.47	-34.42	6,172.83	6,083.51	89.33	69.104		
13,800.00	7,079.24	6,450.00	6,366.93	195.47	29.93	62.13	1,150.47	-34.42	6,268.98	6,179.63	89.35	70.165		
13,900.00	7,077.80	6,450.00	6,366.93	198.27	29.93	62.13	1,150.47	-34.42	6,365.25	6,275.88	89.37	71.227		
14,000.00	7,076.36	6,450.00	6,366.93	201.07	29.93	62.13	1,150.47	-34.42	6,461.62	6,372.24	89.38	72.290		

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 13C-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 13C-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	7,074.91	6,450.00	6,366.93	203.88	29.93	62.13	1,150.47	-34.42	6,558.11	6,468.71	89.41	73.353		
14,200.00	7,073.47	6,450.00	6,366.93	206.68	29.93	62.13	1,150.47	-34.42	6,654.70	6,565.28	89.43	74.416		
14,300.00	7,072.03	6,450.00	6,366.93	209.49	29.93	62.13	1,150.47	-34.42	6,751.39	6,661.94	89.45	75.480		
14,400.00	7,070.58	6,450.00	6,366.93	212.30	29.93	62.13	1,150.47	-34.42	6,848.18	6,758.71	89.47	76.543		
14,500.00	7,069.14	6,450.00	6,366.93	215.11	29.93	62.13	1,150.47	-34.42	6,945.05	6,855.56	89.49	77.607		
14,600.00	7,067.70	6,450.00	6,366.93	217.92	29.93	62.13	1,150.47	-34.42	7,042.02	6,952.50	89.51	78.671		
14,700.00	7,066.25	6,450.00	6,366.93	220.73	29.93	62.13	1,150.47	-34.42	7,139.06	7,049.53	89.54	79.734		
14,800.00	7,064.81	6,450.00	6,366.93	223.54	29.93	62.13	1,150.47	-34.42	7,236.19	7,146.63	89.56	80.797		
14,900.00	7,063.37	6,450.00	6,366.93	226.35	29.93	62.13	1,150.47	-34.42	7,333.40	7,243.81	89.58	81.860		
15,000.00	7,061.92	6,450.00	6,366.93	229.16	29.93	62.13	1,150.47	-34.42	7,430.67	7,341.07	89.61	82.923		
15,100.00	7,060.48	6,450.00	6,366.93	231.98	29.93	62.13	1,150.47	-34.42	7,528.02	7,438.39	89.64	83.985		
15,200.00	7,059.04	6,450.00	6,366.93	234.79	29.93	62.13	1,150.47	-34.42	7,625.44	7,535.78	89.66	85.047		
15,300.00	7,057.60	6,450.00	6,366.93	237.61	29.93	62.13	1,150.47	-34.42	7,722.93	7,633.24	89.69	86.108		
15,400.00	7,056.15	6,450.00	6,366.93	240.42	29.93	62.13	1,150.47	-34.42	7,820.48	7,730.76	89.72	87.169		
15,500.00	7,054.71	6,450.00	6,366.93	243.24	29.93	62.13	1,150.47	-34.42	7,918.09	7,828.34	89.74	88.229		
15,600.00	7,053.27	6,450.00	6,366.93	246.05	29.93	62.13	1,150.47	-34.42	8,015.75	7,925.98	89.77	89.288		
15,687.75	7,052.00	6,450.00	6,366.93	248.53	29.93	62.13	1,150.47	-34.42	8,101.51	8,011.71	89.80	90.217		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-174.46	-74.69	-7.24	75.04					
100.00	100.00	100.00	100.00	3.28	3.28	-174.46	-74.69	-7.24	75.04	68.47	6.57	11.422		
200.00	200.00	200.00	200.00	3.34	3.34	-174.46	-74.69	-7.24	75.04	68.36	6.67	11.243 CC, ES		
300.00	300.00	297.44	297.42	3.44	3.44	-174.29	-76.29	-7.63	76.72	69.83	6.89	11.132 SF		
400.00	399.98	394.65	394.50	3.60	3.58	73.61	-81.10	-8.82	81.26	74.05	7.21	11.263		
500.00	499.84	491.37	490.87	3.79	3.77	77.24	-89.06	-10.78	88.41	80.78	7.63	11.587		
600.00	599.45	587.34	586.16	4.03	4.00	82.13	-100.07	-13.49	98.73	90.60	8.13	12.150		
700.00	698.70	682.28	680.01	4.30	4.26	87.46	-114.01	-16.92	112.81	104.12	8.68	12.990		
800.00	797.47	775.96	772.09	4.61	4.56	92.58	-130.72	-21.03	131.07	121.78	9.29	14.107		
900.00	895.62	868.14	862.10	4.96	4.88	97.14	-150.00	-25.77	153.72	143.78	9.93	15.476		
1,000.00	993.06	958.61	949.78	5.34	5.23	100.98	-171.65	-31.10	180.76	170.14	10.61	17.030		
1,100.00	1,089.64	1,047.20	1,034.90	5.75	5.60	104.12	-195.44	-36.95	212.10	200.78	11.32	18.730		
1,110.48	1,099.71	1,056.37	1,043.67	5.80	5.64	104.41	-198.05	-37.60	215.63	204.23	11.40	18.911		
1,200.00	1,185.67	1,134.02	1,117.56	6.20	5.99	106.98	-221.23	-43.30	247.20	235.14	12.06	20.500		
1,300.00	1,281.70	1,219.36	1,197.99	6.67	6.39	108.90	-248.94	-50.12	285.15	272.34	12.81	22.697		
1,400.00	1,377.72	1,309.56	1,282.38	7.16	6.84	110.29	-279.86	-57.73	324.85	311.23	13.61	23.860		
1,500.00	1,473.75	1,401.07	1,367.98	7.66	7.31	111.38	-311.27	-65.46	364.71	350.25	14.46	25.214		
1,600.00	1,569.77	1,507.42	1,453.58	8.17	7.88	112.26	-342.68	-73.18	404.67	389.26	15.41	26.257		
1,700.00	1,665.80	1,584.09	1,539.19	8.69	8.29	112.98	-374.09	-80.91	444.70	428.46	16.24	27.385		
1,800.00	1,761.82	1,675.60	1,624.79	9.22	8.79	113.59	-405.50	-88.64	484.77	467.61	17.15	28.259		
1,900.00	1,857.85	1,767.11	1,710.39	9.76	9.31	114.10	-436.91	-96.37	524.88	506.80	18.09	29.023		
2,000.00	1,953.87	1,858.62	1,795.99	10.30	9.82	114.54	-468.32	-104.10	565.02	545.99	19.03	29.693		
2,100.00	2,049.90	1,950.13	1,881.60	10.84	10.34	114.92	-499.73	-111.83	605.19	585.20	19.98	30.284		
2,200.00	2,145.92	2,041.64	1,967.20	11.39	10.87	115.25	-531.14	-119.56	645.37	624.43	20.95	30.808		
2,300.00	2,241.94	2,133.15	2,052.80	11.95	11.40	115.54	-562.55	-127.29	685.58	663.65	21.92	31.275		
2,400.00	2,337.97	2,224.66	2,138.40	12.50	11.93	115.81	-593.96	-135.02	725.79	702.89	22.90	31.693		
2,500.00	2,433.99	2,316.17	2,224.00	13.06	12.47	116.04	-625.36	-142.75	766.02	742.13	23.89	32.069		
2,600.00	2,530.02	2,407.68	2,309.61	13.63	13.01	116.25	-656.77	-150.48	806.25	781.38	24.88	32.408		
2,700.00	2,626.04	2,500.81	2,395.21	14.19	13.56	116.44	-688.18	-158.20	846.50	820.61	25.88	32.705		
2,800.00	2,722.07	2,609.30	2,480.81	14.76	14.20	116.61	-719.59	-165.93	886.75	859.77	26.98	32.871		
2,900.00	2,818.09	2,682.21	2,566.41	15.32	14.63	116.77	-751.00	-173.66	927.01	899.13	27.88	33.250		
3,000.00	2,914.12	2,773.72	2,652.01	15.89	15.18	116.92	-782.41	-181.39	967.27	938.38	28.89	33.484		
3,100.00	3,010.14	2,865.23	2,737.62	16.46	15.73	117.05	-813.82	-189.12	1,007.54	977.64	29.90	33.698		
3,200.00	3,106.17	2,956.74	2,823.22	17.03	16.27	117.18	-845.23	-196.85	1,047.81	1,016.90	30.91	33.896		
3,298.02	3,200.29	3,046.43	2,907.12	17.59	16.81	117.29	-876.02	-204.43	1,087.29	1,055.38	31.91	34.075		
3,300.00	3,202.19	3,048.25	2,908.82	17.60	16.82	117.31	-876.64	-204.58	1,088.09	1,056.16	31.93	34.078		
3,400.00	3,298.70	3,140.11	2,994.75	18.16	17.37	118.08	-908.17	-212.34	1,127.59	1,094.66	32.93	34.237		
3,500.00	3,396.07	3,232.56	3,081.24	18.68	17.93	118.66	-939.90	-220.15	1,165.59	1,131.67	33.92	34.363		
3,600.00	3,494.17	3,325.50	3,168.17	19.18	18.49	119.05	-971.80	-228.00	1,202.05	1,167.17	34.88	34.458		
3,700.00	3,592.88	3,418.80	3,255.45	19.64	19.06	119.27	-1,003.83	-235.88	1,236.97	1,201.14	35.83	34.525		
3,800.00	3,692.10	3,512.36	3,342.98	20.08	19.62	119.34	-1,035.94	-243.78	1,270.37	1,233.62	36.75	34.567		
3,900.00	3,791.69	3,606.07	3,430.63	20.49	20.19	119.27	-1,068.10	-251.69	1,302.28	1,264.63	37.65	34.587		
4,000.00	3,891.53	3,719.10	3,536.53	20.88	20.87	118.92	-1,106.46	-261.13	1,332.52	1,293.77	38.75	34.384		
4,108.50	4,000.00	3,884.16	3,693.49	21.27	21.81	-128.21	-1,155.99	-273.32	1,360.19	1,319.87	40.32	33.735		
4,200.00	4,091.50	4,027.74	3,832.22	21.58	22.58	-129.17	-1,191.88	-282.15	1,379.12	1,337.56	41.56	33.187		
4,300.00	4,191.50	4,188.69	3,989.70	21.92	23.38	-130.00	-1,224.02	-290.06	1,395.77	1,352.94	42.82	32.593		
4,400.00	4,291.50	4,352.97	4,152.10	22.27	24.12	-130.59	-1,247.92	-295.94	1,407.96	1,363.98	43.98	32.015		
4,500.00	4,391.50	4,519.58	4,317.98	22.62	24.81	-130.95	-1,262.88	-299.63	1,415.52	1,370.51	45.01	31.451		
4,600.00	4,491.50	4,687.44	4,485.71	22.97	25.40	-131.09	-1,268.47	-301.00	1,418.32	1,372.45	45.88	30.915		
4,700.00	4,591.50	4,806.78	4,591.50	23.33	25.76	-131.09	-1,268.51	-301.01	1,418.34	1,371.73	46.61	30.432		
4,800.00	4,691.50	4,906.78	4,691.50	23.69	26.06	-131.09	-1,268.51	-301.01	1,418.34	1,371.05	47.29	29.992		
4,900.00	4,791.50	5,006.78	4,791.50	24.05	26.36	-131.09	-1,268.51	-301.01	1,418.34	1,370.36	47.98	29.562		

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 13C-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 13C-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	4,891.50	5,106.78	4,891.50	24.42	26.67	-131.09	-1,268.51	-301.01	1,418.34	1,369.67	48.67	29.139		
5,100.00	4,991.50	5,206.78	4,991.50	24.78	26.98	-131.09	-1,268.51	-301.01	1,418.34	1,368.97	49.38	28.726		
5,200.00	5,091.50	5,306.78	5,091.50	25.15	27.29	-131.09	-1,268.51	-301.01	1,418.34	1,368.26	50.08	28.321		
5,300.00	5,191.50	5,406.78	5,191.50	25.53	27.61	-131.09	-1,268.51	-301.01	1,418.34	1,367.55	50.79	27.924		
5,400.00	5,291.50	5,506.78	5,291.50	25.90	27.93	-131.09	-1,268.51	-301.01	1,418.34	1,366.83	51.51	27.535		
5,500.00	5,391.50	5,606.78	5,391.50	26.28	28.26	-131.09	-1,268.51	-301.01	1,418.34	1,366.11	52.23	27.155		
5,600.00	5,491.50	5,706.78	5,491.50	26.65	28.58	-131.09	-1,268.51	-301.01	1,418.34	1,365.38	52.96	26.782		
5,700.00	5,591.50	5,806.78	5,591.50	27.03	28.91	-131.09	-1,268.51	-301.01	1,418.34	1,364.65	53.69	26.418		
5,800.00	5,691.50	5,906.78	5,691.50	27.41	29.24	-131.09	-1,268.51	-301.01	1,418.34	1,363.92	54.42	26.061		
5,900.00	5,791.50	6,006.78	5,791.50	27.80	29.58	-131.09	-1,268.51	-301.01	1,418.34	1,363.18	55.16	25.712		
6,000.00	5,891.50	6,106.78	5,891.50	28.18	29.92	-131.09	-1,268.51	-301.01	1,418.34	1,362.43	55.91	25.370		
6,100.00	5,991.50	6,206.78	5,991.50	28.57	30.26	-131.09	-1,268.51	-301.01	1,418.34	1,361.69	56.65	25.035		
6,200.00	6,091.50	6,306.78	6,091.50	28.96	30.60	-131.09	-1,268.51	-301.01	1,418.34	1,360.94	57.40	24.708		
6,300.00	6,191.50	6,228.37	7,229.46	29.35	42.05	179.88	-1,265.07	769.87	1,392.80	1,348.95	43.85	31.763		
6,400.00	6,291.50	6,228.47	7,229.46	29.74	42.05	179.88	-1,265.07	769.98	1,319.96	1,273.29	46.67	28.281		
6,500.00	6,391.50	6,228.58	7,229.46	30.13	42.05	179.87	-1,265.07	770.09	1,250.88	1,201.15	49.73	25.152		
6,600.00	6,491.50	6,228.69	7,229.46	30.52	42.05	179.86	-1,265.07	770.19	1,186.22	1,133.21	53.01	22.378		
6,639.95	6,531.45	6,228.73	7,229.46	30.68	42.05	179.86	-1,265.07	770.24	1,161.79	1,107.42	54.37	21.369		
6,650.00	6,541.50	6,228.66	7,229.46	30.72	42.05	-88.96	-1,265.07	770.17	1,155.77	1,101.06	54.71	21.124		
6,700.00	6,591.41	6,225.97	7,229.46	30.90	42.00	-92.01	-1,265.08	767.47	1,126.71	1,070.31	56.40	19.978		
6,750.00	6,640.95	6,219.36	7,229.45	31.09	41.88	-94.56	-1,265.10	760.87	1,099.25	1,041.21	58.03	18.942		
6,800.00	6,689.82	6,208.90	7,229.44	31.29	41.69	-96.61	-1,265.13	750.40	1,073.61	1,014.01	59.59	18.016		
6,850.00	6,737.71	6,205.37	7,229.43	31.49	41.63	-98.18	-1,265.18	736.13	1,049.98	988.73	61.24	17.145		
6,900.00	6,784.33	6,176.64	7,229.41	31.70	41.13	-99.29	-1,265.23	718.15	1,028.49	966.05	62.44	16.472		
6,950.00	6,829.39	6,155.06	7,229.39	31.92	40.76	-99.98	-1,265.30	696.56	1,009.22	945.53	63.68	15.847		
7,000.00	6,872.61	6,130.01	7,229.36	32.15	40.34	-100.30	-1,265.38	671.51	992.19	927.40	64.79	15.314		
7,050.00	6,913.73	6,101.64	7,229.33	32.41	39.86	-100.28	-1,265.48	643.14	977.36	911.63	65.74	14.867		
7,100.00	6,952.49	6,070.13	7,229.30	32.68	39.36	-99.99	-1,265.58	611.63	964.66	898.08	66.58	14.490		
7,150.00	6,988.66	6,035.68	7,229.26	32.98	38.83	-99.47	-1,265.69	577.18	953.93	886.66	67.26	14.182		
7,200.00	7,022.01	6,001.51	7,229.22	33.31	38.30	-98.79	-1,265.81	540.00	945.00	877.14	67.86	13.926		
7,250.00	7,052.33	5,958.80	7,229.18	33.67	37.71	-97.99	-1,265.93	500.31	937.67	869.38	68.29	13.730		
7,300.00	7,079.44	5,916.85	7,229.13	34.07	37.14	-97.14	-1,266.07	458.36	931.72	863.07	68.66	13.570		
7,350.00	7,103.17	5,872.90	7,229.08	34.51	36.60	-96.29	-1,266.21	414.41	926.93	857.96	68.98	13.439		
7,400.00	7,123.38	5,827.22	7,229.04	34.98	36.09	-95.51	-1,266.36	368.73	923.08	853.83	69.25	13.331		
7,450.00	7,139.94	5,777.93	7,228.79	35.50	35.60	-94.77	-1,266.51	319.44	919.94	850.48	69.46	13.245		
7,500.00	7,152.75	5,723.71	7,225.11	36.05	35.17	-93.95	-1,266.69	265.36	917.13	847.44	69.69	13.160		
7,550.00	7,161.73	5,671.13	7,217.16	36.64	34.86	-93.11	-1,266.85	213.40	914.55	844.55	69.99	13.066		
7,600.00	7,166.82	5,620.06	7,205.36	37.26	34.64	-92.27	-1,267.01	163.73	912.23	841.87	70.36	12.965		
7,649.14	7,168.00	5,571.25	7,190.39	37.89	34.49	-91.44	-1,267.16	117.28	910.24	839.46	70.78	12.861		
7,700.00	7,167.27	5,522.79	7,172.06	38.57	34.37	-90.33	-1,267.31	72.44	908.46	837.18	71.28	12.745		
7,800.00	7,165.83	5,436.46	7,131.16	40.04	34.18	-87.81	-1,267.55	-3.51	906.46	833.96	72.50	12.502		
7,815.39	7,165.60	5,424.26	7,124.56	40.29	34.16	-87.40	-1,267.58	-13.77	906.42	833.70	72.72	12.465		
7,900.00	7,164.38	5,362.32	7,088.10	41.66	34.03	-85.15	-1,267.74	-63.82	907.92	834.06	73.87	12.292		
8,000.00	7,162.94	5,300.00	7,046.69	43.40	33.89	-82.58	-1,267.89	-110.36	914.44	839.21	75.23	12.155		
8,100.00	7,161.50	5,246.74	7,007.83	45.26	33.76	-80.19	-1,268.01	-146.76	927.20	850.70	76.50	12.120		
8,200.00	7,160.05	5,200.00	6,971.33	47.21	33.64	-77.97	-1,268.10	-175.94	946.97	869.36	77.61	12.201		
8,300.00	7,158.61	5,164.55	6,942.27	49.26	33.54	-76.23	-1,268.17	-196.23	974.06	895.48	78.58	12.396		
8,400.00	7,157.17	5,132.47	6,915.04	51.38	33.45	-74.61	-1,268.22	-213.18	1,008.42	929.08	79.33	12.711		
8,500.00	7,155.73	5,100.00	6,886.64	53.57	33.35	-72.95	-1,268.27	-228.92	1,049.75	969.89	79.86	13.144		
8,600.00	7,154.28	5,081.16	6,869.81	55.82	33.30	-71.97	-1,268.30	-237.38	1,097.49	1,017.18	80.31	13.666		
8,700.00	7,152.84	5,050.00	6,841.44	58.12	33.20	-70.36	-1,268.34	-250.27	1,151.21	1,070.74	80.47	14.305		
8,800.00	7,151.40	5,050.00	6,841.44	60.47	33.20	-70.36	-1,268.34	-250.27	1,210.01	1,129.25	80.76	14.983		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	7,026.29	6,819.46	62.86	33.12	-69.13	-1,268.37	-259.13	1,273.41	1,192.67	80.74	15.772		
9,000.00	7,148.51	7,000.00	6,794.71	65.28	33.03	-67.76	-1,268.40	-268.00	1,341.05	1,260.43	80.61	16.636		
9,100.00	7,147.07	7,000.00	6,794.71	67.74	33.03	-67.76	-1,268.40	-268.00	1,411.94	1,331.31	80.62	17.513		
9,200.00	7,145.62	7,000.00	6,794.71	70.23	33.03	-67.76	-1,268.40	-268.00	1,486.17	1,405.61	80.56	18.447		
9,300.00	7,144.18	6,977.69	6,773.43	72.74	32.96	-66.61	-1,268.42	-274.72	1,562.80	1,482.46	80.34	19.453		
9,400.00	7,142.74	6,968.37	6,764.48	75.28	32.93	-66.13	-1,268.43	-277.31	1,641.89	1,561.73	80.17	20.481		
9,500.00	7,141.29	6,950.00	6,746.73	77.84	32.86	-65.19	-1,268.44	-282.01	1,723.11	1,643.18	79.93	21.557		
9,600.00	7,139.85	6,950.00	6,746.73	80.42	32.86	-65.19	-1,268.44	-282.01	1,805.91	1,726.12	79.79	22.633		
9,700.00	7,138.41	6,950.00	6,746.73	83.01	32.86	-65.19	-1,268.44	-282.01	1,890.38	1,810.74	79.64	23.737		
9,800.00	7,136.97	6,950.00	6,746.73	85.62	32.86	-65.19	-1,268.44	-282.01	1,976.29	1,896.81	79.48	24.865		
9,900.00	7,135.52	6,932.45	6,729.64	88.25	32.80	-64.30	-1,268.46	-286.03	2,063.18	1,983.93	79.25	26.033		
10,000.00	7,134.08	6,926.86	6,724.18	90.89	32.78	-64.02	-1,268.46	-287.22	2,151.27	2,072.19	79.08	27.204		
10,100.00	7,132.64	6,921.68	6,719.11	93.54	32.77	-63.75	-1,268.46	-288.27	2,240.30	2,161.39	78.91	28.390		
10,200.00	7,131.19	6,900.00	6,697.79	96.20	32.69	-62.67	-1,268.48	-292.22	2,330.45	2,251.76	78.69	29.616		
10,300.00	7,129.75	6,900.00	6,697.79	98.87	32.69	-62.67	-1,268.48	-292.22	2,420.95	2,342.40	78.55	30.819		
10,400.00	7,128.31	6,900.00	6,697.79	101.55	32.69	-62.67	-1,268.48	-292.22	2,512.18	2,433.75	78.43	32.032		
10,500.00	7,126.86	6,900.00	6,697.79	104.24	32.69	-62.67	-1,268.48	-292.22	2,604.05	2,525.75	78.30	33.256		
10,600.00	7,125.42	6,900.00	6,697.79	106.94	32.69	-62.67	-1,268.48	-292.22	2,696.50	2,618.31	78.18	34.489		
10,700.00	7,123.98	6,900.00	6,697.79	109.64	32.69	-62.67	-1,268.48	-292.22	2,789.47	2,711.40	78.07	35.730		
10,800.00	7,122.53	6,900.00	6,697.79	112.36	32.69	-62.67	-1,268.48	-292.22	2,882.91	2,804.94	77.96	36.978		
10,900.00	7,121.09	6,900.00	6,697.79	115.08	32.69	-62.67	-1,268.48	-292.22	2,976.77	2,898.91	77.86	38.232		
11,000.00	7,119.65	6,900.00	6,697.79	117.80	32.69	-62.67	-1,268.48	-292.22	3,071.03	2,993.26	77.76	39.491		
11,100.00	7,118.20	6,900.00	6,697.79	120.53	32.69	-62.67	-1,268.48	-292.22	3,165.63	3,087.96	77.67	40.756		
11,200.00	7,116.76	6,900.00	6,697.79	123.26	32.69	-62.67	-1,268.48	-292.22	3,260.56	3,182.97	77.59	42.024		
11,300.00	7,115.32	6,879.85	6,677.87	126.00	32.62	-61.68	-1,268.49	-295.24	3,355.42	3,277.95	77.47	43.315		
11,400.00	7,113.88	6,877.48	6,675.52	128.75	32.61	-61.56	-1,268.49	-295.56	3,450.82	3,373.43	77.39	44.591		
11,500.00	7,112.43	6,875.23	6,673.28	131.50	32.60	-61.45	-1,268.49	-295.85	3,546.46	3,469.15	77.31	45.870		
11,600.00	7,110.99	6,873.08	6,671.15	134.25	32.59	-61.34	-1,268.49	-296.12	3,642.34	3,565.09	77.25	47.152		
11,700.00	7,109.55	6,871.03	6,669.12	137.01	32.59	-61.24	-1,268.49	-296.37	3,738.42	3,661.23	77.18	48.435		
11,800.00	7,108.10	6,850.00	6,648.21	139.77	32.51	-60.23	-1,268.50	-298.56	3,835.02	3,757.93	77.09	49.749		
11,900.00	7,106.66	6,850.00	6,648.21	142.53	32.51	-60.23	-1,268.50	-298.56	3,931.41	3,854.37	77.04	51.031		
12,000.00	7,105.22	6,850.00	6,648.21	145.30	32.51	-60.23	-1,268.50	-298.56	4,027.98	3,950.98	76.99	52.315		
12,100.00	7,103.77	6,850.00	6,648.21	148.06	32.51	-60.23	-1,268.50	-298.56	4,124.71	4,047.75	76.95	53.600		
12,200.00	7,102.33	6,850.00	6,648.21	150.84	32.51	-60.23	-1,268.50	-298.56	4,221.59	4,144.68	76.92	54.886		
12,300.00	7,100.89	6,850.00	6,648.21	153.61	32.51	-60.23	-1,268.50	-298.56	4,318.62	4,241.74	76.88	56.172		
12,400.00	7,099.44	6,850.00	6,648.21	156.39	32.51	-60.23	-1,268.50	-298.56	4,415.78	4,338.92	76.85	57.458		
12,500.00	7,098.00	6,850.00	6,648.21	159.17	32.51	-60.23	-1,268.50	-298.56	4,513.06	4,436.23	76.83	58.745		
12,600.00	7,096.56	6,850.00	6,648.21	161.95	32.51	-60.23	-1,268.50	-298.56	4,610.46	4,533.66	76.80	60.031		
12,700.00	7,095.12	6,850.00	6,648.21	164.73	32.51	-60.23	-1,268.50	-298.56	4,707.97	4,631.18	76.78	61.317		
12,800.00	7,093.67	6,850.00	6,648.21	167.52	32.51	-60.23	-1,268.50	-298.56	4,805.58	4,728.81	76.76	62.603		
12,900.00	7,092.23	6,850.00	6,648.21	170.31	32.51	-60.23	-1,268.50	-298.56	4,903.28	4,826.53	76.75	63.888		
13,000.00	7,090.79	6,850.00	6,648.21	173.09	32.51	-60.23	-1,268.50	-298.56	5,001.08	4,924.34	76.74	65.173		
13,100.00	7,089.34	6,850.00	6,648.21	175.89	32.51	-60.23	-1,268.50	-298.56	5,098.96	5,022.24	76.73	66.457		
13,200.00	7,087.90	6,850.00	6,648.21	178.68	32.51	-60.23	-1,268.50	-298.56	5,196.93	5,120.21	76.72	67.740		
13,300.00	7,086.46	6,850.00	6,648.21	181.47	32.51	-60.23	-1,268.50	-298.56	5,294.97	5,218.25	76.71	69.022		
13,400.00	7,085.01	6,850.00	6,648.21	184.27	32.51	-60.23	-1,268.50	-298.56	5,393.08	5,316.36	76.71	70.302		
13,500.00	7,083.57	6,850.00	6,648.21	187.07	32.51	-60.23	-1,268.50	-298.56	5,491.26	5,414.54	76.71	71.582		
13,600.00	7,082.13	6,850.00	6,648.21	189.86	32.51	-60.23	-1,268.50	-298.56	5,589.50	5,512.78	76.72	72.860		
13,700.00	7,080.68	6,850.00	6,648.21	192.66	32.51	-60.23	-1,268.50	-298.56	5,687.81	5,611.08	76.72	74.136		
13,800.00	7,079.24	6,850.00	6,648.21	195.47	32.51	-60.23	-1,268.50	-298.56	5,786.17	5,709.44	76.73	75.411		
13,900.00	7,077.80	6,850.00	6,648.21	198.27	32.51	-60.23	-1,268.50	-298.56	5,884.59	5,807.85	76.74	76.685		
14,000.00	7,076.36	6,850.00	6,648.21	201.07	32.51	-60.23	-1,268.50	-298.56	5,983.06	5,906.31	76.75	77.956		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,074.91	6,850.00	6,648.21	203.88	32.51	-60.23	-1,268.50	-298.56	6,081.58	6,004.82	76.76	79.226	
14,200.00	7,073.47	6,850.00	6,648.21	206.68	32.51	-60.23	-1,268.50	-298.56	6,180.15	6,103.37	76.78	80.494	
14,300.00	7,072.03	6,850.00	6,648.21	209.49	32.51	-60.23	-1,268.50	-298.56	6,278.76	6,201.97	76.79	81.760	
14,400.00	7,070.58	6,850.00	6,648.21	212.30	32.51	-60.23	-1,268.50	-298.56	6,377.42	6,300.61	76.81	83.024	
14,500.00	7,069.14	6,850.00	6,648.21	215.11	32.51	-60.23	-1,268.50	-298.56	6,476.12	6,399.28	76.83	84.286	
14,600.00	7,067.70	6,850.00	6,648.21	217.92	32.51	-60.23	-1,268.50	-298.56	6,574.85	6,498.00	76.86	85.546	
14,700.00	7,066.25	6,850.00	6,648.21	220.73	32.51	-60.23	-1,268.50	-298.56	6,673.63	6,596.75	76.88	86.804	
14,800.00	7,064.81	6,850.00	6,648.21	223.54	32.51	-60.23	-1,268.50	-298.56	6,772.44	6,695.53	76.91	88.059	
14,900.00	7,063.37	6,850.00	6,648.21	226.35	32.51	-60.23	-1,268.50	-298.56	6,871.29	6,794.35	76.94	89.312	
15,000.00	7,061.92	6,850.00	6,648.21	229.16	32.51	-60.23	-1,268.50	-298.56	6,970.16	6,893.20	76.96	90.563	
15,100.00	7,060.48	6,850.00	6,648.21	231.98	32.51	-60.23	-1,268.50	-298.56	7,069.07	6,992.08	77.00	91.812	
15,200.00	7,059.04	6,850.00	6,648.21	234.79	32.51	-60.23	-1,268.50	-298.56	7,168.01	7,090.99	77.03	93.057	
15,300.00	7,057.60	6,850.00	6,648.21	237.61	32.51	-60.23	-1,268.50	-298.56	7,266.98	7,189.92	77.06	94.301	
15,400.00	7,056.15	6,850.00	6,648.21	240.42	32.51	-60.23	-1,268.50	-298.56	7,365.98	7,288.88	77.10	95.542	
15,500.00	7,054.71	6,850.00	6,648.21	243.24	32.51	-60.23	-1,268.50	-298.56	7,465.00	7,387.87	77.13	96.780	
15,600.00	7,053.27	6,850.00	6,648.21	246.05	32.51	-60.23	-1,268.50	-298.56	7,564.05	7,486.88	77.17	98.015	
15,687.75	7,052.00	6,850.00	6,648.21	248.53	32.51	-60.23	-1,268.50	-298.56	7,650.99	7,573.79	77.21	99.097	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 CC, ES		
300.00	300.00	297.95	297.93	3.44	3.44	-174.11	-61.35	-6.33	61.71	54.82	6.89	8.953 SF		
400.00	399.98	395.66	395.51	3.60	3.59	74.40	-66.13	-7.79	66.26	59.04	7.22	9.181		
500.00	499.84	492.86	492.35	3.79	3.78	79.09	-74.05	-10.21	73.54	65.91	7.63	9.634		
600.00	599.45	589.24	588.05	4.03	4.01	85.09	-85.00	-13.54	84.29	76.15	8.13	10.365		
700.00	698.70	685.35	683.05	4.30	4.27	91.33	-98.88	-17.77	99.05	90.37	8.68	11.410		
800.00	797.47	783.14	779.58	4.61	4.58	97.51	-113.85	-22.34	116.10	106.84	9.26	12.535		
900.00	895.62	880.39	875.57	4.96	4.91	103.39	-128.74	-26.87	135.03	125.13	9.90	13.645		
1,000.00	993.06	976.98	970.92	5.34	5.26	108.87	-143.53	-31.38	156.23	145.65	10.59	14.757		
1,100.00	1,089.64	1,072.81	1,065.51	5.75	5.62	113.90	-158.20	-35.85	180.04	168.71	11.32	15.899		
1,110.48	1,099.71	1,082.80	1,075.38	5.80	5.66	114.40	-159.73	-36.32	182.69	171.29	11.41	16.018		
1,200.00	1,185.67	1,168.12	1,159.60	6.20	6.00	118.56	-172.79	-40.30	206.02	193.93	12.10	17.031		
1,300.00	1,281.70	1,263.43	1,253.68	6.67	6.38	122.23	-187.38	-44.75	233.06	220.16	12.90	18.072		
1,400.00	1,377.72	1,358.74	1,347.75	7.16	6.78	125.13	-201.97	-49.19	260.80	247.08	13.72	19.014		
1,500.00	1,473.75	1,454.04	1,441.83	7.66	7.18	127.48	-216.57	-53.64	289.05	274.50	14.56	19.859		
1,600.00	1,569.77	1,549.35	1,535.91	8.17	7.59	129.42	-231.16	-58.09	317.68	302.27	15.41	20.615		
1,700.00	1,665.80	1,644.66	1,629.99	8.69	8.01	131.03	-245.75	-62.54	346.58	330.30	16.28	21.293		
1,800.00	1,761.82	1,739.97	1,724.07	9.22	8.43	132.40	-260.34	-66.98	375.70	358.54	17.15	21.901		
1,900.00	1,857.85	1,835.28	1,818.15	9.76	8.86	133.57	-274.93	-71.43	404.99	386.95	18.04	22.448		
2,000.00	1,953.87	1,930.59	1,912.23	10.30	9.28	134.58	-289.52	-75.88	434.41	415.47	18.94	22.941		
2,100.00	2,049.90	2,025.89	2,006.31	10.84	9.71	135.47	-304.12	-80.32	463.94	444.10	19.84	23.387		
2,200.00	2,145.92	2,121.20	2,100.39	11.39	10.15	136.25	-318.71	-84.77	493.56	472.82	20.74	23.792		
2,300.00	2,241.94	2,216.51	2,194.47	11.95	10.58	136.94	-333.30	-89.22	523.26	501.60	21.66	24.161		
2,400.00	2,337.97	2,311.82	2,288.55	12.50	11.02	137.56	-347.89	-93.67	553.02	530.44	22.57	24.498		
2,500.00	2,433.99	2,407.13	2,382.63	13.06	11.46	138.12	-362.48	-98.11	582.83	559.34	23.50	24.806		
2,600.00	2,530.02	2,502.43	2,476.71	13.63	11.90	138.62	-377.07	-102.56	612.69	588.27	24.42	25.090		
2,700.00	2,626.04	2,597.74	2,570.79	14.19	12.35	139.07	-391.67	-107.01	642.58	617.23	25.35	25.351		
2,800.00	2,722.07	2,706.95	2,684.87	14.76	12.85	139.49	-406.26	-111.45	672.51	646.17	26.34	25.530		
2,900.00	2,818.09	2,788.36	2,758.95	15.32	13.24	139.86	-420.85	-115.90	702.47	675.26	27.21	25.815		
3,000.00	2,914.12	2,883.67	2,853.03	15.89	13.68	140.21	-435.44	-120.35	732.45	704.31	28.15	26.023		
3,100.00	3,010.14	2,978.98	2,947.11	16.46	14.13	140.53	-450.03	-124.80	762.46	733.38	29.08	26.216		
3,200.00	3,106.17	3,074.28	3,041.19	17.03	14.58	140.83	-464.62	-129.24	792.49	762.46	30.02	26.396		
3,298.02	3,200.29	3,167.70	3,133.40	17.59	15.02	141.10	-478.93	-133.60	821.94	790.99	30.95	26.561		
3,300.00	3,202.19	3,169.59	3,135.26	17.60	15.03	141.11	-479.22	-133.69	822.53	791.57	30.96	26.564		
3,400.00	3,298.70	3,265.35	3,229.79	18.16	15.48	141.66	-493.88	-138.16	851.24	819.34	31.90	26.684		
3,500.00	3,396.07	3,361.88	3,325.08	18.68	15.93	142.01	-508.66	-142.66	877.31	844.48	32.83	26.725		
3,600.00	3,494.17	3,459.08	3,421.02	19.18	16.39	142.19	-523.54	-147.20	900.72	866.97	33.75	26.691		
3,700.00	3,592.88	3,556.82	3,517.50	19.64	16.86	142.19	-538.50	-151.76	921.45	886.80	34.65	26.590		
3,800.00	3,692.10	3,654.99	3,614.40	20.08	17.32	142.04	-553.53	-156.34	939.51	903.95	35.55	26.425		
3,900.00	3,791.69	3,753.46	3,711.61	20.49	17.79	141.74	-568.61	-160.94	954.90	918.46	36.44	26.204		
4,000.00	3,891.53	3,852.12	3,808.99	20.88	18.26	141.30	-583.71	-165.54	967.67	930.36	37.32	25.932		
4,108.50	4,000.00	3,959.23	3,914.73	21.27	18.77	-105.70	-600.11	-170.54	978.62	940.38	38.24	25.593		
4,200.00	4,091.50	4,049.55	4,003.88	21.58	19.20	-106.41	-613.94	-174.75	986.67	947.67	39.00	25.302		
4,300.00	4,191.50	4,148.26	4,101.32	21.92	19.67	-107.17	-629.05	-179.36	995.64	955.81	39.83	24.999		
4,400.00	4,291.50	4,246.98	4,198.76	22.27	20.14	-107.92	-644.16	-183.96	1,004.78	964.12	40.66	24.711		
4,500.00	4,391.50	4,345.69	4,296.20	22.62	20.61	-108.65	-659.28	-188.57	1,014.10	972.60	41.50	24.438		
4,600.00	4,491.50	4,444.40	4,393.64	22.97	21.08	-109.38	-674.39	-193.18	1,023.58	981.24	42.33	24.178		
4,700.00	4,591.50	4,543.11	4,491.07	23.33	21.55	-110.09	-689.50	-197.78	1,033.22	990.04	43.17	23.932		
4,800.00	4,691.50	4,641.82	4,588.51	23.69	22.02	-110.78	-704.62	-202.39	1,043.01	999.00	44.01	23.697		
4,900.00	4,791.50	4,740.53	4,685.95	24.05	22.49	-111.47	-719.73	-206.99	1,052.96	1,008.11	44.86	23.475		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,839.24	4,783.39	24.42	22.97	-112.14	-734.84	-211.60	1,063.06	1,017.36	45.70	23.262		
5,100.00	4,991.50	4,937.95	4,880.83	24.78	23.44	-112.79	-749.95	-216.21	1,073.30	1,026.76	46.54	23.061		
5,200.00	5,091.50	5,036.66	4,978.27	25.15	23.91	-113.44	-765.07	-220.81	1,083.68	1,036.29	47.39	22.868		
5,300.00	5,191.50	5,135.37	5,075.70	25.53	24.38	-114.07	-780.18	-225.42	1,094.20	1,045.96	48.23	22.685		
5,400.00	5,291.50	5,234.08	5,173.14	25.90	24.86	-114.70	-795.29	-230.02	1,104.85	1,055.76	49.08	22.510		
5,500.00	5,391.50	5,332.79	5,270.58	26.28	25.33	-115.31	-810.40	-234.63	1,115.62	1,065.69	49.93	22.343		
5,600.00	5,491.50	5,431.51	5,368.02	26.65	25.80	-115.90	-825.52	-239.24	1,126.52	1,075.74	50.78	22.184		
5,700.00	5,591.50	5,530.22	5,465.46	27.03	26.28	-116.49	-840.63	-243.84	1,137.54	1,085.91	51.63	22.033		
5,800.00	5,691.50	5,628.93	5,562.90	27.41	26.75	-117.07	-855.74	-248.45	1,148.68	1,096.20	52.48	21.888		
5,900.00	5,791.50	5,727.64	5,660.33	27.80	27.22	-117.63	-870.85	-253.05	1,159.94	1,106.60	53.33	21.749		
6,000.00	5,891.50	5,826.35	5,757.77	28.18	27.70	-118.19	-885.97	-257.66	1,171.30	1,117.11	54.19	21.616		
6,100.00	5,991.50	5,926.06	5,857.19	28.57	28.17	-118.74	-901.08	-262.27	1,182.66	1,127.52	55.04	21.483		
6,200.00	6,091.50	6,020.77	5,947.60	28.96	28.56	-119.29	-916.19	-266.88	1,193.99	1,137.83	55.89	21.350		
6,300.00	6,191.50	6,121.28	6,047.99	29.35	28.95	-119.83	-931.30	-271.49	1,205.28	1,147.99	56.74	21.217		
6,400.00	6,291.50	6,221.79	6,148.38	29.74	29.34	-120.37	-946.41	-276.10	1,216.52	1,158.11	57.59	21.084		
6,500.00	6,391.50	6,321.90	6,248.77	30.13	29.73	-120.91	-961.52	-280.71	1,227.71	1,168.19	58.44	20.951		
6,600.00	6,491.50	6,422.01	6,349.16	30.52	30.12	-121.45	-976.63	-285.32	1,238.85	1,178.23	59.29	20.818		
6,639.95	6,531.45	6,461.92	6,389.61	30.68	30.28	-121.60	-981.74	-286.43	1,241.01	1,180.39	59.44	20.793		
6,650.00	6,541.50	6,472.03	6,399.72	30.72	30.32	-121.65	-982.85	-286.48	1,241.66	1,180.94	59.49	20.788		
6,700.00	6,591.41	6,521.92	6,449.63	30.90	30.50	-121.70	-992.96	-287.54	1,245.81	1,184.09	59.64	20.743		
6,750.00	6,640.95	6,571.46	6,499.17	31.09	30.69	-121.75	-1,003.07	-288.63	1,249.91	1,187.19	59.79	20.698		
6,800.00	6,689.82	6,620.33	6,548.10	31.29	30.89	-121.80	-1,013.18	-289.72	1,253.96	1,190.24	59.94	20.653		
6,850.00	6,737.71	6,668.22	6,596.99	31.49	31.09	-121.85	-1,023.29	-290.81	1,257.96	1,193.24	60.09	20.608		
6,900.00	6,784.33	6,715.84	6,643.61	31.70	31.30	-121.90	-1,033.40	-291.90	1,261.91	1,196.19	60.24	20.563		
6,950.00	6,829.39	6,760.90	6,688.66	31.92	31.52	-121.95	-1,043.51	-293.00	1,265.81	1,199.09	60.39	20.518		
7,000.00	6,872.61	6,799.12	6,731.78	32.15	31.75	-122.00	-1,053.62	-294.10	1,269.66	1,201.94	60.54	20.473		
7,048.34	6,912.40	6,838.91	6,771.57	32.40	32.00	-122.05	-1,063.73	-295.20	1,273.46	1,204.74	60.69	20.428		
7,050.00	6,913.73	6,840.24	6,772.90	32.41	32.01	-122.05	-1,063.73	-295.20	1,273.46	1,204.74	60.69	20.428		
7,100.00	6,952.49	6,879.00	6,811.49	32.68	32.28	-122.10	-1,073.84	-296.30	1,277.21	1,207.49	60.84	20.383		
7,150.00	6,988.66	6,915.17	6,847.66	32.98	32.58	-122.15	-1,083.95	-297.40	1,280.91	1,210.19	60.99	20.338		
7,200.00	7,022.01	6,948.52	6,881.01	33.31	32.91	-122.20	-1,094.06	-298.50	1,284.56	1,212.79	61.14	20.293		
7,250.00	7,052.33	6,978.84	6,911.33	33.67	33.27	-122.25	-1,104.17	-299.60	1,288.16	1,215.29	61.29	20.248		
7,300.00	7,079.44	7,005.95	6,938.44	34.07	33.67	-122.30	-1,114.28	-300.70	1,291.71	1,217.74	61.44	20.203		
7,350.00	7,103.17	7,029.68	6,962.17	34.51	34.11	-122.35	-1,124.39	-301.80	1,295.21	1,220.14	61.59	20.158		
7,400.00	7,123.38	7,049.89	6,982.38	34.98	34.58	-122.40	-1,134.50	-302.90	1,298.66	1,222.49	61.74	20.113		
7,450.00	7,139.94	7,066.45	6,998.94	35.50	35.10	-122.45	-1,144.61	-304.00	1,302.06	1,224.79	61.89	20.068		
7,500.00	7,152.75	7,079.26	7,011.75	36.05	35.65	-122.50	-1,154.72	-305.10	1,305.41	1,227.04	62.04	20.023		
7,550.00	7,161.73	7,088.24	7,020.73	36.64	36.24	-122.55	-1,164.83	-306.20	1,308.71	1,229.24	62.19	19.978		
7,600.00	7,166.82	7,093.33	7,025.82	37.26	36.86	-122.60	-1,174.94	-307.30	1,311.96	1,231.39	62.34	19.933		
7,649.14	7,168.00	7,094.51	7,027.00	37.89	37.49	-122.65	-1,185.05	-308.40	1,315.16	1,233.49	62.49	19.888		
7,700.00	7,167.27	7,093.78	7,026.27	38.57	38.17	-122.70	-1,195.16	-309.50	1,318.31	1,235.54	62.64	19.843		
7,800.00	7,165.83	7,092.34	7,024.83	40.04	39.64	-122.75	-1,205.27	-310.60	1,321.41	1,237.54	62.79	19.798		
7,900.00	7,164.38	7,090.89	7,023.38	41.66	41.26	-122.80	-1,215.38	-311.70	1,324.46	1,239.49	62.94	19.753		
8,000.00	7,162.94	7,089.45	7,021.94	43.40	43.00	-122.85	-1,225.49	-312.80	1,327.46	1,241.39	63.09	19.708		
8,100.00	7,161.50	7,088.01	7,020.50	45.26	44.86	-122.90	-1,235.60	-313.90	1,330.41	1,243.24	63.24	19.663		
8,200.00	7,160.05	7,086.56	7,019.05	47.21	46.81	-122.95	-1,245.71	-315.00	1,333.31	1,245.04	63.39	19.618		
8,300.00	7,158.61	7,085.12	7,017.61	49.26	48.86	-123.00	-1,255.82	-316.10	1,336.16	1,246.79	63.54	19.573		
8,400.00	7,157.17	7,083.68	7,016.17	51.38	50.98	-123.05	-1,265.93	-317.20	1,338.96	1,248.49	63.69	19.528		
8,500.00	7,155.73	7,082.24	7,014.73	53.57	53.17	-123.10	-1,276.04	-318.30	1,341.71	1,250.14	63.84	19.483		
8,600.00	7,154.28	7,080.79	7,013.28	55.82	55.42	-123.15	-1,286.15	-319.40	1,344.41	1,251.74	63.99	19.438		
8,700.00	7,152.84	7,079.35	7,011.84	58.12	57.72	-123.20	-1,296.26	-320.50	1,347.06	1,253.29	64.14	19.393		
8,800.00	7,151.40	7,077.91	7,010.40	60.47	60.07	-123.25	-1,306.37	-321.60	1,349.66	1,254.79	64.29	19.348		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	6,650.00	6,559.32	62.86	31.37	-46.76	-1,010.14	-207.41	1,253.26	1,184.27	68.99	18.166		
9,000.00	7,148.51	6,634.48	6,545.67	65.28	31.31	-46.02	-1,008.03	-214.49	1,325.99	1,256.86	69.13	19.182		
9,100.00	7,147.07	6,618.94	6,531.83	67.74	31.26	-45.29	-1,005.90	-221.23	1,401.55	1,332.34	69.22	20.249		
9,200.00	7,145.62	6,600.00	6,514.76	70.23	31.20	-44.40	-1,003.27	-228.98	1,479.61	1,410.40	69.21	21.378		
9,300.00	7,144.18	6,600.00	6,514.76	72.74	31.20	-44.40	-1,003.27	-228.98	1,559.84	1,490.37	69.47	22.454		
9,400.00	7,142.74	6,580.27	6,496.73	75.28	31.13	-43.48	-1,000.48	-236.51	1,641.84	1,572.45	69.39	23.660		
9,500.00	7,141.29	6,569.51	6,486.81	77.84	31.10	-42.99	-998.95	-240.38	1,725.56	1,656.13	69.43	24.853		
9,600.00	7,139.85	6,550.00	6,468.66	80.42	31.03	-42.10	-996.15	-246.95	1,810.82	1,741.48	69.34	26.115		
9,700.00	7,138.41	6,550.00	6,468.66	83.01	31.03	-42.10	-996.15	-246.95	1,897.17	1,827.69	69.47	27.308		
9,800.00	7,136.97	6,550.00	6,468.66	85.62	31.03	-42.10	-996.15	-246.95	1,984.80	1,915.22	69.58	28.526		
9,900.00	7,135.52	6,550.00	6,468.66	88.25	31.03	-42.10	-996.15	-246.95	2,073.55	2,003.88	69.66	29.766		
10,000.00	7,134.08	6,526.98	6,447.00	90.89	30.94	-41.06	-992.80	-253.98	2,162.76	2,093.25	69.51	31.115		
10,100.00	7,132.64	6,520.21	6,440.58	93.54	30.92	-40.76	-991.81	-255.90	2,253.01	2,183.50	69.51	32.412		
10,200.00	7,131.19	6,500.00	6,421.31	96.20	30.84	-39.88	-988.83	-261.21	2,344.16	2,274.77	69.39	33.783		
10,300.00	7,129.75	6,500.00	6,421.31	98.87	30.84	-39.88	-988.83	-261.21	2,435.64	2,366.19	69.44	35.073		
10,400.00	7,128.31	6,500.00	6,421.31	101.55	30.84	-39.88	-988.83	-261.21	2,527.76	2,458.27	69.49	36.376		
10,500.00	7,126.86	6,500.00	6,421.31	104.24	30.84	-39.88	-988.83	-261.21	2,620.46	2,550.93	69.53	37.689		
10,600.00	7,125.42	6,500.00	6,421.31	106.94	30.84	-39.88	-988.83	-261.21	2,713.67	2,644.11	69.56	39.012		
10,700.00	7,123.98	6,500.00	6,421.31	109.64	30.84	-39.88	-988.83	-261.21	2,807.36	2,737.77	69.59	40.343		
10,800.00	7,122.53	6,500.00	6,421.31	112.36	30.84	-39.88	-988.83	-261.21	2,901.47	2,831.86	69.61	41.681		
10,900.00	7,121.09	6,479.22	6,401.33	115.08	30.76	-38.98	-985.75	-266.02	2,995.55	2,926.05	69.50	43.103		
11,000.00	7,119.65	6,475.32	6,397.56	117.80	30.75	-38.82	-985.16	-266.84	3,090.22	3,020.73	69.50	44.466		
11,100.00	7,118.20	6,471.62	6,393.98	120.53	30.73	-38.66	-984.61	-267.61	3,185.19	3,115.70	69.50	45.832		
11,200.00	7,116.76	6,450.00	6,373.00	123.26	30.65	-37.76	-981.36	-271.66	3,280.74	3,211.35	69.39	47.279		
11,300.00	7,115.32	6,450.00	6,373.00	126.00	30.65	-37.76	-981.36	-271.66	3,376.14	3,306.73	69.42	48.636		
11,400.00	7,113.88	6,450.00	6,373.00	128.75	30.65	-37.76	-981.36	-271.66	3,471.80	3,402.36	69.44	49.997		
11,500.00	7,112.43	6,450.00	6,373.00	131.50	30.65	-37.76	-981.36	-271.66	3,567.70	3,498.23	69.46	51.360		
11,600.00	7,110.99	6,450.00	6,373.00	134.25	30.65	-37.76	-981.36	-271.66	3,663.81	3,594.32	69.49	52.726		
11,700.00	7,109.55	6,450.00	6,373.00	137.01	30.65	-37.76	-981.36	-271.66	3,760.13	3,690.62	69.51	54.094		
11,800.00	7,108.10	6,450.00	6,373.00	139.77	30.65	-37.76	-981.36	-271.66	3,856.63	3,787.10	69.53	55.464		
11,900.00	7,106.66	6,450.00	6,373.00	142.53	30.65	-37.76	-981.36	-271.66	3,953.31	3,883.76	69.56	56.836		
12,000.00	7,105.22	6,450.00	6,373.00	145.30	30.65	-37.76	-981.36	-271.66	4,050.15	3,980.57	69.58	58.208		
12,100.00	7,103.77	6,450.00	6,373.00	148.06	30.65	-37.76	-981.36	-271.66	4,147.14	4,077.54	69.60	59.581		
12,200.00	7,102.33	6,450.00	6,373.00	150.84	30.65	-37.76	-981.36	-271.66	4,244.27	4,174.64	69.63	60.955		
12,300.00	7,100.89	6,450.00	6,373.00	153.61	30.65	-37.76	-981.36	-271.66	4,341.53	4,271.88	69.65	62.329		
12,400.00	7,099.44	6,450.00	6,373.00	156.39	30.65	-37.76	-981.36	-271.66	4,438.91	4,369.23	69.68	63.703		
12,500.00	7,098.00	6,450.00	6,373.00	159.17	30.65	-37.76	-981.36	-271.66	4,536.41	4,466.70	69.71	65.077		
12,600.00	7,096.56	6,450.00	6,373.00	161.95	30.65	-37.76	-981.36	-271.66	4,634.01	4,564.28	69.74	66.450		
12,700.00	7,095.12	6,450.00	6,373.00	164.73	30.65	-37.76	-981.36	-271.66	4,731.72	4,661.95	69.77	67.823		
12,800.00	7,093.67	6,450.00	6,373.00	167.52	30.65	-37.76	-981.36	-271.66	4,829.51	4,759.72	69.80	69.195		
12,900.00	7,092.23	6,427.48	6,351.01	170.31	30.55	-36.84	-977.96	-275.10	4,926.95	4,857.22	69.73	70.656		
13,000.00	7,090.79	6,425.84	6,349.41	173.09	30.54	-36.78	-977.71	-275.32	5,024.85	4,955.10	69.76	72.033		
13,100.00	7,089.34	6,424.26	6,347.86	175.89	30.54	-36.71	-977.47	-275.53	5,122.83	5,053.05	69.79	73.408		
13,200.00	7,087.90	6,422.74	6,346.36	178.68	30.53	-36.65	-977.24	-275.73	5,220.88	5,151.07	69.82	74.782		
13,300.00	7,086.46	6,400.00	6,324.03	181.47	30.43	-35.76	-973.78	-278.24	5,319.40	5,249.64	69.76	76.254		
13,400.00	7,085.01	6,400.00	6,324.03	184.27	30.43	-35.76	-973.78	-278.24	5,417.53	5,347.73	69.80	77.617		
13,500.00	7,083.57	6,400.00	6,324.03	187.07	30.43	-35.76	-973.78	-278.24	5,515.73	5,445.89	69.84	78.979		
13,600.00	7,082.13	6,400.00	6,324.03	189.86	30.43	-35.76	-973.78	-278.24	5,614.00	5,544.12	69.88	80.339		
13,700.00	7,080.68	6,400.00	6,324.03	192.66	30.43	-35.76	-973.78	-278.24	5,712.32	5,642.40	69.92	81.697		
13,800.00	7,079.24	6,400.00	6,324.03	195.47	30.43	-35.76	-973.78	-278.24	5,810.70	5,740.74	69.96	83.054		
13,900.00	7,077.80	6,400.00	6,324.03	198.27	30.43	-35.76	-973.78	-278.24	5,909.14	5,839.13	70.01	84.408		
14,000.00	7,076.36	6,400.00	6,324.03	201.07	30.43	-35.76	-973.78	-278.24	6,007.62	5,937.57	70.05	85.760		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,074.91	6,400.00	6,324.03	203.88	30.43	-35.76	-973.78	-278.24	6,106.16	6,036.06	70.10	87.109		
14,200.00	7,073.47	6,400.00	6,324.03	206.68	30.43	-35.76	-973.78	-278.24	6,204.74	6,134.60	70.14	88.456		
14,300.00	7,072.03	6,400.00	6,324.03	209.49	30.43	-35.76	-973.78	-278.24	6,303.37	6,233.18	70.19	89.801		
14,400.00	7,070.58	6,400.00	6,324.03	212.30	30.43	-35.76	-973.78	-278.24	6,402.04	6,331.80	70.24	91.143		
14,500.00	7,069.14	6,400.00	6,324.03	215.11	30.43	-35.76	-973.78	-278.24	6,500.75	6,430.46	70.29	92.483		
14,600.00	7,067.70	6,400.00	6,324.03	217.92	30.43	-35.76	-973.78	-278.24	6,599.50	6,529.16	70.34	93.820		
14,700.00	7,066.25	6,400.00	6,324.03	220.73	30.43	-35.76	-973.78	-278.24	6,698.29	6,627.90	70.39	95.154		
14,800.00	7,064.81	6,400.00	6,324.03	223.54	30.43	-35.76	-973.78	-278.24	6,797.11	6,726.67	70.45	96.485		
14,900.00	7,063.37	6,400.00	6,324.03	226.35	30.43	-35.76	-973.78	-278.24	6,895.97	6,825.47	70.50	97.814		
15,000.00	7,061.92	6,400.00	6,324.03	229.16	30.43	-35.76	-973.78	-278.24	6,994.86	6,924.30	70.56	99.139		
15,100.00	7,060.48	6,400.00	6,324.03	231.98	30.43	-35.76	-973.78	-278.24	7,093.78	7,023.17	70.61	100.462		
15,200.00	7,059.04	6,400.00	6,324.03	234.79	30.43	-35.76	-973.78	-278.24	7,192.73	7,122.06	70.67	101.781		
15,300.00	7,057.60	6,400.00	6,324.03	237.61	30.43	-35.76	-973.78	-278.24	7,291.71	7,220.98	70.73	103.097		
15,400.00	7,056.15	6,400.00	6,324.03	240.42	30.43	-35.76	-973.78	-278.24	7,390.71	7,319.93	70.79	104.410		
15,500.00	7,054.71	6,400.00	6,324.03	243.24	30.43	-35.76	-973.78	-278.24	7,489.75	7,418.90	70.84	105.720		
15,600.00	7,053.27	6,400.00	6,324.03	246.05	30.43	-35.76	-973.78	-278.24	7,588.80	7,517.90	70.91	107.027		
15,687.75	7,052.00	6,400.00	6,324.03	248.53	30.43	-35.76	-973.78	-278.24	7,675.75	7,604.79	70.96	108.171		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	5.63	104.55	10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.63	104.55	10.30	105.06	98.49	6.57	15.992		
200.00	200.00	200.00	200.00	3.34	3.34	5.63	104.55	10.30	105.06	98.39	6.67	15.742 CC, ES		
300.00	300.00	297.19	297.17	3.44	3.44	6.18	105.73	11.46	106.39	99.49	6.89	15.436		
400.00	399.98	394.17	394.02	3.60	3.60	-106.63	109.24	14.91	110.91	103.69	7.21	15.374		
500.00	499.84	490.76	490.26	3.79	3.79	-106.41	115.07	20.64	119.11	111.48	7.63	15.618		
600.00	599.45	586.74	585.56	4.03	4.03	-106.69	123.14	28.58	130.95	122.83	8.12	16.133		
700.00	698.70	681.90	679.63	4.30	4.29	-107.30	133.39	38.65	146.41	137.74	8.67	16.884		
800.00	797.47	776.07	772.19	4.61	4.59	-108.08	145.71	50.77	165.48	156.20	9.28	17.832		
900.00	895.62	871.58	865.56	4.96	4.91	-109.06	160.07	64.89	187.76	177.84	9.92	18.919		
1,000.00	993.06	968.47	960.20	5.34	5.26	-110.58	174.84	79.42	211.55	200.93	10.62	19.918		
1,100.00	1,089.64	1,064.79	1,054.30	5.75	5.63	-112.47	189.53	93.87	236.84	225.47	11.36	20.839		
1,110.48	1,099.71	1,074.85	1,064.12	5.80	5.67	-112.68	191.07	95.38	239.58	228.13	11.45	20.929		
1,200.00	1,185.67	1,160.73	1,148.01	6.20	6.02	-114.76	204.16	108.25	263.27	251.13	12.15	21.673		
1,300.00	1,281.70	1,256.66	1,241.72	6.67	6.41	-116.68	218.79	122.64	290.06	277.10	12.96	22.382		
1,400.00	1,377.72	1,352.59	1,335.43	7.16	6.82	-118.27	233.42	137.03	317.09	303.30	13.80	22.982		
1,500.00	1,473.75	1,448.51	1,429.14	7.66	7.24	-119.62	248.05	151.41	344.32	329.67	14.66	23.494		
1,600.00	1,569.77	1,544.44	1,522.85	8.17	7.66	-120.77	262.68	165.80	371.70	356.17	15.53	23.933		
1,700.00	1,665.80	1,640.37	1,616.56	8.69	8.09	-121.76	277.31	180.18	399.20	382.78	16.42	24.311		
1,800.00	1,761.82	1,736.30	1,710.27	9.22	8.53	-122.62	291.94	194.57	426.80	409.48	17.32	24.639		
1,900.00	1,857.85	1,832.23	1,803.98	9.76	8.97	-123.38	306.57	208.96	454.48	436.24	18.23	24.924		
2,000.00	1,953.87	1,928.16	1,897.69	10.30	9.41	-124.05	321.20	223.34	482.22	463.06	19.15	25.175		
2,100.00	2,049.90	2,024.09	1,991.40	10.84	9.86	-124.65	335.83	237.73	510.01	489.93	20.08	25.396		
2,200.00	2,145.92	2,120.02	2,085.11	11.39	10.31	-125.19	350.46	252.12	537.86	516.84	21.02	25.592		
2,300.00	2,241.94	2,215.95	2,178.82	11.95	10.76	-125.67	365.09	266.50	565.74	543.78	21.96	25.767		
2,400.00	2,337.97	2,311.88	2,272.53	12.50	11.22	-126.11	379.71	280.89	593.66	570.76	22.90	25.924		
2,500.00	2,433.99	2,407.81	2,366.24	13.06	11.67	-126.51	394.34	295.27	621.60	597.75	23.85	26.064		
2,600.00	2,530.02	2,503.74	2,459.95	13.63	12.13	-126.88	408.97	309.66	649.57	624.77	24.80	26.191		
2,700.00	2,626.04	2,600.33	2,553.66	14.19	12.60	-127.21	423.60	324.05	677.57	651.81	25.76	26.303		
2,800.00	2,722.07	2,704.40	2,647.37	14.76	13.10	-127.52	438.23	338.43	705.58	678.82	26.76	26.369		
2,900.00	2,818.09	2,808.47	2,741.08	15.32	13.60	-127.81	452.86	352.82	733.61	705.85	27.76	26.429		
3,000.00	2,914.12	2,887.46	2,834.79	15.89	13.98	-128.07	467.49	367.20	761.65	733.01	28.64	26.594		
3,100.00	3,010.14	2,983.39	2,928.50	16.46	14.44	-128.32	482.12	381.59	789.71	760.11	29.61	26.674		
3,200.00	3,106.17	3,079.32	3,022.21	17.03	14.91	-128.54	496.75	395.98	817.79	787.21	30.57	26.748		
3,298.02	3,200.29	3,173.34	3,114.06	17.59	15.37	-128.75	511.09	410.08	845.31	813.79	31.52	26.815		
3,300.00	3,202.19	3,175.25	3,115.92	17.60	15.38	-128.77	511.38	410.36	845.87	814.33	31.54	26.816		
3,400.00	3,298.70	3,271.52	3,209.96	18.16	15.84	-129.31	526.06	424.80	872.86	840.36	32.51	26.852		
3,500.00	3,396.07	3,368.36	3,304.56	18.68	16.32	-129.62	540.83	439.32	897.72	864.27	33.46	26.833		
3,600.00	3,494.17	3,465.67	3,399.62	19.18	16.79	-129.73	555.67	453.92	920.43	886.04	34.40	26.761		
3,700.00	3,592.88	3,563.32	3,495.01	19.64	17.27	-129.65	570.56	468.56	940.99	905.67	35.32	26.641		
3,800.00	3,692.10	3,661.19	3,590.61	20.08	17.75	-129.39	585.48	483.24	959.43	923.20	36.23	26.478		
3,900.00	3,791.69	3,759.16	3,686.31	20.49	18.23	-128.96	600.42	497.93	975.80	938.67	37.13	26.277		
4,000.00	3,891.53	3,857.11	3,782.00	20.88	18.71	-128.37	615.36	512.62	990.17	952.15	38.02	26.042		
4,108.50	4,000.00	3,963.23	3,885.66	21.27	19.23	-13.90	631.54	528.53	1,003.61	964.65	38.96	25.758		
4,200.00	4,091.50	4,052.61	3,972.98	21.58	19.67	-12.97	645.18	541.94	1,014.17	974.43	39.74	25.517		
4,300.00	4,191.50	4,150.30	4,068.40	21.92	20.15	-11.98	660.07	556.59	1,026.01	985.41	40.60	25.271		
4,400.00	4,291.50	4,247.98	4,163.83	22.27	20.63	-11.01	674.97	571.24	1,038.16	996.71	41.46	25.042		
4,500.00	4,391.50	4,345.67	4,259.25	22.62	21.11	-10.06	689.87	585.89	1,050.61	1,008.29	42.32	24.828		
4,600.00	4,491.50	4,443.36	4,354.68	22.97	21.59	-9.14	704.76	600.54	1,063.34	1,020.16	43.17	24.629		
4,700.00	4,591.50	4,541.04	4,450.11	23.33	22.07	-8.23	719.66	615.19	1,076.34	1,032.31	44.03	24.444		
4,800.00	4,691.50	4,638.73	4,545.53	23.69	22.55	-7.35	734.56	629.83	1,089.61	1,044.72	44.89	24.272		
4,900.00	4,791.50	4,736.41	4,640.96	24.05	23.03	-6.49	749.46	644.48	1,103.13	1,057.38	45.75	24.112		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,834.10	4,736.38	24.42	23.51	-5.65	764.35	659.13	1,116.90	1,070.29	46.61	23.963		
5,100.00	4,991.50	4,931.78	4,831.81	24.78	24.00	-4.83	779.25	673.78	1,130.90	1,083.43	47.47	23.824		
5,200.00	5,091.50	5,029.47	4,927.23	25.15	24.48	-4.03	794.15	688.43	1,145.14	1,096.81	48.33	23.694		
5,300.00	5,191.50	5,127.16	5,022.66	25.53	24.96	-3.24	809.04	703.08	1,159.59	1,110.40	49.19	23.573		
5,400.00	5,291.50	5,224.84	5,118.08	25.90	25.44	-2.48	823.94	717.73	1,174.26	1,124.20	50.05	23.461		
5,500.00	5,391.50	5,322.53	5,213.51	26.28	25.93	-1.74	838.84	732.38	1,189.12	1,138.21	50.91	23.356		
5,600.00	5,491.50	5,420.21	5,308.93	26.65	26.41	-1.01	853.73	747.03	1,204.19	1,152.42	51.77	23.259		
5,700.00	5,591.50	5,517.90	5,404.36	27.03	26.89	-0.30	868.63	761.68	1,219.44	1,166.81	52.63	23.168		
5,800.00	5,691.50	5,615.59	5,499.78	27.41	27.38	0.39	883.53	776.33	1,234.88	1,181.38	53.50	23.083		
5,900.00	5,791.50	5,713.27	5,595.21	27.80	27.86	1.07	898.43	790.98	1,250.49	1,196.13	54.36	23.005		
6,000.00	5,891.50	5,810.96	5,690.64	28.18	28.34	1.72	913.32	805.63	1,266.27	1,211.05	55.22	22.931		
6,100.00	5,991.50	5,908.64	5,786.06	28.57	28.83	2.37	928.22	820.28	1,282.22	1,226.13	56.08	22.863		
6,200.00	6,091.50	6,006.33	5,881.49	28.96	29.31	2.99	943.12	834.93	1,298.32	1,241.37	56.95	22.799		
6,300.00	6,191.50	6,104.02	5,976.91	29.35	29.80	3.61	958.01	849.58	1,314.57	1,256.76	57.81	22.740		
6,400.00	6,291.50	6,201.70	6,072.34	29.74	30.28	4.20	972.91	864.23	1,330.96	1,272.29	58.67	22.685		
6,500.00	6,391.50	6,300.61	6,167.76	30.13	30.77	4.79	987.81	878.88	1,347.50	1,287.96	59.54	22.632		
6,600.00	6,491.50	6,397.07	6,263.19	30.52	31.25	5.36	1,002.71	893.53	1,364.17	1,303.77	60.40	22.586		
6,639.95	6,531.45	6,436.10	6,301.31	30.68	31.44	5.58	1,008.66	899.38	1,370.86	1,310.12	60.74	22.568		
6,650.00	6,541.50	6,445.90	6,310.89	30.72	31.49	97.34	1,010.15	900.85	1,372.56	1,311.73	60.83	22.564		
6,700.00	6,591.41	6,494.23	6,358.10	30.90	31.73	96.92	1,017.52	908.10	1,381.33	1,320.09	61.25	22.554		
6,750.00	6,640.95	6,545.13	6,407.83	31.09	31.98	96.64	1,025.28	915.64	1,390.65	1,328.96	61.70	22.541		
6,800.00	6,689.82	6,617.21	6,478.83	31.29	32.31	96.60	1,036.16	921.20	1,400.03	1,337.71	62.32	22.464		
6,850.00	6,737.71	6,692.54	6,553.24	31.49	32.62	96.51	1,047.23	918.31	1,409.07	1,346.13	62.94	22.389		
6,900.00	6,784.33	6,770.98	6,629.85	31.70	32.90	96.35	1,058.26	905.89	1,417.64	1,354.10	63.54	22.312		
6,950.00	6,829.39	6,852.21	6,707.02	31.92	33.19	96.11	1,068.97	883.12	1,425.62	1,361.49	64.13	22.229		
7,000.00	6,872.61	6,935.71	6,782.76	32.15	33.49	95.78	1,079.06	849.57	1,432.89	1,368.16	64.73	22.136		
7,050.00	6,913.73	7,020.79	6,854.84	32.41	33.81	95.36	1,088.19	805.43	1,439.35	1,374.01	65.35	22.027		
7,100.00	6,952.49	7,106.62	6,921.06	32.68	34.16	94.83	1,096.06	751.50	1,444.95	1,378.94	66.00	21.892		
7,150.00	6,988.66	7,192.28	6,979.45	32.98	34.57	94.20	1,102.44	689.23	1,449.63	1,382.88	66.75	21.717		
7,200.00	7,022.01	7,276.88	7,028.53	33.31	35.05	93.48	1,107.17	620.56	1,453.39	1,385.78	67.61	21.496		
7,250.00	7,052.33	7,359.62	7,067.44	33.67	35.62	92.69	1,110.22	547.68	1,456.25	1,387.65	68.60	21.227		
7,300.00	7,079.44	7,439.84	7,095.97	34.07	36.28	91.85	1,111.62	472.77	1,458.27	1,388.53	69.73	20.912		
7,350.00	7,103.17	7,517.08	7,114.44	34.51	37.01	90.97	1,111.51	397.82	1,459.49	1,388.51	70.98	20.561		
7,400.00	7,123.38	7,591.06	7,123.60	34.98	37.78	90.09	1,110.07	324.46	1,460.01	1,387.69	72.32	20.189		
7,450.00	7,139.94	7,654.71	7,124.87	35.50	38.51	89.31	1,107.82	260.88	1,459.92	1,386.29	73.63	19.828		
7,500.00	7,152.75	7,702.92	7,124.45	36.05	39.09	88.83	1,105.90	212.72	1,459.75	1,384.93	74.82	19.510		
7,550.00	7,161.73	7,752.01	7,124.02	36.64	39.75	88.48	1,103.95	163.67	1,459.60	1,383.49	76.11	19.177		
7,600.00	7,166.82	7,801.69	7,123.58	37.26	40.42	88.28	1,101.98	114.03	1,459.39	1,381.95	77.43	18.847		
7,649.14	7,168.00	7,850.78	7,123.15	37.89	41.16	88.24	1,100.03	64.98	1,459.07	1,380.24	78.83	18.510		
7,700.00	7,167.27	7,901.65	7,122.71	38.57	41.92	88.26	1,098.01	14.16	1,458.68	1,378.38	80.30	18.166		
7,800.00	7,165.83	8,001.64	7,121.83	40.04	43.57	88.28	1,094.03	-85.76	1,457.92	1,374.47	83.45	17.471		
7,900.00	7,164.38	8,101.64	7,120.95	41.66	45.33	88.30	1,090.06	-185.67	1,457.16	1,370.31	86.86	16.776		
8,000.00	7,162.94	8,201.63	7,120.07	43.40	47.20	88.32	1,086.09	-285.58	1,456.41	1,365.91	90.50	16.094		
8,100.00	7,161.50	8,301.63	7,119.20	45.26	49.16	88.34	1,082.11	-385.49	1,455.65	1,361.31	94.34	15.430		
8,200.00	7,160.05	8,401.62	7,118.32	47.21	51.21	88.36	1,078.14	-485.41	1,454.89	1,356.53	98.36	14.792		
8,300.00	7,158.61	8,501.62	7,117.44	49.26	53.33	88.38	1,074.17	-585.32	1,454.13	1,351.60	102.53	14.182		
8,400.00	7,157.17	8,601.61	7,116.56	51.38	55.52	88.41	1,070.19	-685.23	1,453.37	1,346.52	106.85	13.602		
8,500.00	7,155.73	8,701.61	7,115.69	53.57	57.76	88.43	1,066.22	-785.15	1,452.61	1,341.32	111.29	13.053		
8,600.00	7,154.28	8,801.61	7,114.81	55.82	60.06	88.45	1,062.25	-885.06	1,451.86	1,336.02	115.84	12.533		
8,700.00	7,152.84	8,901.60	7,113.93	58.12	62.39	88.47	1,058.28	-984.97	1,451.10	1,330.61	120.49	12.044		
8,800.00	7,151.40	9,001.60	7,113.06	60.47	64.78	88.49	1,054.30	-1,084.88	1,450.34	1,325.12	125.22	11.583		
8,900.00	7,149.95	9,101.59	7,112.18	62.86	67.19	88.51	1,050.33	-1,184.80	1,449.58	1,319.56	130.03	11.148		

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 13C-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 13C-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	7,148.51	9,201.59	7,111.30	65.28	69.64	88.53	1,046.36	-1,284.71	1,448.83	1,313.93	134.90	10.740		
9,100.00	7,147.07	9,301.58	7,110.42	67.74	72.12	88.56	1,042.38	-1,384.62	1,448.07	1,308.23	139.84	10.355		
9,200.00	7,145.62	9,401.58	7,109.55	70.23	74.62	88.58	1,038.41	-1,484.54	1,447.31	1,302.48	144.83	9.993		
9,300.00	7,144.18	9,501.58	7,108.67	72.74	77.14	88.60	1,034.44	-1,584.45	1,446.56	1,296.69	149.87	9.652		
9,400.00	7,142.74	9,601.57	7,107.79	75.28	79.69	88.62	1,030.46	-1,684.36	1,445.80	1,290.84	154.96	9.330		
9,500.00	7,141.29	9,701.57	7,106.91	77.84	82.26	88.64	1,026.49	-1,784.27	1,445.05	1,284.96	160.08	9.027		
9,600.00	7,139.85	9,801.56	7,106.04	80.42	84.84	88.66	1,022.52	-1,884.19	1,444.29	1,279.04	165.25	8.740		
9,700.00	7,138.41	9,901.56	7,105.16	83.01	87.44	88.69	1,018.54	-1,984.10	1,443.53	1,273.09	170.44	8.469		
9,800.00	7,136.97	10,001.55	7,104.28	85.62	90.06	88.71	1,014.57	-2,084.01	1,442.78	1,267.11	175.67	8.213		
9,900.00	7,135.52	10,101.55	7,103.40	88.25	92.69	88.73	1,010.60	-2,183.93	1,442.02	1,261.10	180.92	7.970		
10,000.00	7,134.08	10,201.55	7,102.53	90.89	95.33	88.75	1,006.63	-2,283.84	1,441.27	1,255.07	186.20	7.740		
10,100.00	7,132.64	10,301.54	7,101.65	93.54	97.98	88.77	1,002.65	-2,383.75	1,440.51	1,249.01	191.51	7.522		
10,200.00	7,131.19	10,401.54	7,100.77	96.20	100.64	88.80	998.68	-2,483.66	1,439.76	1,242.93	196.83	7.315		
10,300.00	7,129.75	10,501.53	7,099.90	98.87	103.31	88.82	994.71	-2,583.58	1,439.01	1,236.83	202.17	7.118		
10,400.00	7,128.31	10,601.53	7,099.02	101.55	105.99	88.84	990.73	-2,683.49	1,438.25	1,230.72	207.53	6.930		
10,500.00	7,126.86	10,701.52	7,098.14	104.24	108.68	88.86	986.76	-2,783.40	1,437.50	1,224.59	212.91	6.752		
10,600.00	7,125.42	10,801.52	7,097.26	106.94	111.37	88.88	982.79	-2,883.32	1,436.74	1,218.44	218.31	6.581		
10,700.00	7,123.98	10,901.51	7,096.39	109.64	114.08	88.91	978.81	-2,983.23	1,435.99	1,212.28	223.71	6.419		
10,800.00	7,122.53	11,001.51	7,095.51	112.36	116.79	88.93	974.84	-3,083.14	1,435.24	1,206.10	229.14	6.264		
10,900.00	7,121.09	11,101.51	7,094.63	115.08	119.50	88.95	970.87	-3,183.05	1,434.49	1,199.92	234.57	6.115		
11,000.00	7,119.65	11,201.50	7,093.75	117.80	122.22	88.97	966.89	-3,282.97	1,433.73	1,193.72	240.02	5.974		
11,100.00	7,118.20	11,301.50	7,092.88	120.53	124.95	88.99	962.92	-3,382.88	1,432.98	1,187.51	245.47	5.838		
11,200.00	7,116.76	11,401.49	7,092.00	123.26	127.68	89.02	958.95	-3,482.79	1,432.23	1,181.29	250.94	5.707		
11,300.00	7,115.32	11,501.49	7,091.12	126.00	130.42	89.04	954.98	-3,582.71	1,431.48	1,175.06	256.41	5.583		
11,400.00	7,113.88	11,601.48	7,090.24	128.75	133.16	89.06	951.00	-3,682.62	1,430.72	1,168.82	261.90	5.463		
11,500.00	7,112.43	11,701.48	7,089.37	131.50	135.90	89.08	947.03	-3,782.53	1,429.97	1,162.58	267.39	5.348		
11,600.00	7,110.99	11,801.48	7,088.49	134.25	138.65	89.10	943.06	-3,882.44	1,429.22	1,156.33	272.89	5.237		
11,700.00	7,109.55	11,901.47	7,087.61	137.01	141.40	89.13	939.08	-3,982.36	1,428.47	1,150.07	278.40	5.131		
11,800.00	7,108.10	12,001.47	7,086.73	139.77	144.16	89.15	935.11	-4,082.27	1,427.72	1,143.80	283.92	5.029		
11,900.00	7,106.66	12,101.46	7,085.86	142.53	146.92	89.17	931.14	-4,182.18	1,426.97	1,137.53	289.44	4.930		
12,000.00	7,105.22	12,201.46	7,084.98	145.30	149.68	89.19	927.16	-4,282.10	1,426.22	1,131.25	294.97	4.835		
12,100.00	7,103.77	12,301.45	7,084.10	148.06	152.44	89.22	923.19	-4,382.01	1,425.47	1,124.97	300.50	4.744		
12,200.00	7,102.33	12,401.45	7,083.23	150.84	155.21	89.24	919.22	-4,481.92	1,424.72	1,118.68	306.04	4.655		
12,300.00	7,100.89	12,501.45	7,082.35	153.61	157.98	89.26	915.24	-4,581.83	1,423.97	1,112.38	311.58	4.570		
12,400.00	7,099.44	12,601.44	7,081.47	156.39	160.75	89.28	911.27	-4,681.75	1,423.22	1,106.08	317.13	4.488		
12,500.00	7,098.00	12,701.44	7,080.59	159.17	163.53	89.30	907.30	-4,781.66	1,422.47	1,099.78	322.69	4.408		
12,600.00	7,096.56	12,801.43	7,079.72	161.95	166.31	89.33	903.33	-4,881.57	1,421.72	1,093.47	328.25	4.331		
12,700.00	7,095.12	12,901.43	7,078.84	164.73	169.08	89.35	899.35	-4,981.48	1,420.97	1,087.16	333.81	4.257		
12,800.00	7,093.67	13,001.42	7,077.96	167.52	171.87	89.37	895.38	-5,081.40	1,420.22	1,080.84	339.38	4.185		
12,900.00	7,092.23	13,101.42	7,077.08	170.31	174.65	89.39	891.41	-5,181.31	1,419.47	1,074.52	344.95	4.115		
13,000.00	7,090.79	13,201.41	7,076.21	173.09	177.43	89.42	887.43	-5,281.22	1,418.72	1,068.20	350.52	4.047		
13,100.00	7,089.34	13,301.41	7,075.33	175.89	180.22	89.44	883.46	-5,381.14	1,417.97	1,061.88	356.10	3.982		
13,200.00	7,087.90	13,401.41	7,074.45	178.68	183.01	89.46	879.49	-5,481.05	1,417.23	1,055.55	361.68	3.918		
13,300.00	7,086.46	13,501.40	7,073.57	181.47	185.80	89.49	875.51	-5,580.96	1,416.48	1,049.21	367.26	3.857		
13,400.00	7,085.01	13,601.40	7,072.70	184.27	188.59	89.51	871.54	-5,680.87	1,415.73	1,042.88	372.85	3.797		
13,500.00	7,083.57	13,701.39	7,071.82	187.07	191.38	89.53	867.57	-5,780.79	1,414.98	1,036.54	378.44	3.739		
13,600.00	7,082.13	13,801.39	7,070.94	189.86	194.18	89.55	863.60	-5,880.70	1,414.24	1,030.20	384.03	3.683		
13,700.00	7,080.68	13,901.38	7,070.07	192.66	196.97	89.58	859.62	-5,980.61	1,413.49	1,023.86	389.63	3.628		
13,800.00	7,079.24	14,001.38	7,069.19	195.47	199.77	89.60	855.65	-6,080.53	1,412.74	1,017.52	395.23	3.575		
13,900.00	7,077.80	14,101.38	7,068.31	198.27	202.57	89.62	851.68	-6,180.44	1,412.00	1,011.17	400.83	3.523		
14,000.00	7,076.36	14,201.37	7,067.43	201.07	205.37	89.64	847.70	-6,280.35	1,411.25	1,004.82	406.43	3.472		
14,100.00	7,074.91	14,301.37	7,066.56	203.88	208.17	89.67	843.73	-6,380.26	1,410.50	998.47	412.03	3.423		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,073.47	14,401.36	7,065.68	206.68	210.97	89.69	839.76	-6,480.18	1,409.76	992.12	417.64	3.376		
14,300.00	7,072.03	14,501.36	7,064.80	209.49	213.77	89.71	835.78	-6,580.09	1,409.01	985.76	423.25	3.329		
14,400.00	7,070.58	14,601.35	7,063.92	212.30	216.57	89.74	831.81	-6,680.00	1,408.27	979.41	428.86	3.284		
14,500.00	7,069.14	14,701.35	7,063.05	215.11	219.38	89.76	827.84	-6,779.92	1,407.52	973.05	434.47	3.240		
14,600.00	7,067.70	14,801.34	7,062.17	217.92	222.18	89.78	823.86	-6,879.83	1,406.78	966.69	440.09	3.197		
14,700.00	7,066.25	14,901.34	7,061.29	220.73	224.99	89.80	819.89	-6,979.74	1,406.03	960.33	445.70	3.155		
14,800.00	7,064.81	15,001.34	7,060.41	223.54	227.80	89.83	815.92	-7,079.65	1,405.29	953.97	451.32	3.114		
14,900.00	7,063.37	15,101.33	7,059.54	226.35	230.61	89.85	811.95	-7,179.57	1,404.54	947.61	456.94	3.074		
15,000.00	7,061.92	15,201.33	7,058.66	229.16	233.41	89.87	807.97	-7,279.48	1,403.80	941.24	462.56	3.035		
15,100.00	7,060.48	15,301.32	7,057.78	231.98	236.22	89.90	804.00	-7,379.39	1,403.06	934.88	468.18	2.997		
15,200.00	7,059.04	15,401.32	7,056.90	234.79	239.03	89.92	800.03	-7,479.31	1,402.31	928.51	473.80	2.960		
15,300.00	7,057.60	15,501.31	7,056.03	237.61	241.85	89.94	796.05	-7,579.22	1,401.57	922.14	479.43	2.923		
15,400.00	7,056.15	15,601.31	7,055.15	240.42	244.66	89.97	792.08	-7,679.13	1,400.83	915.77	485.06	2.888		
15,500.00	7,054.71	15,701.31	7,054.27	243.24	247.47	89.99	788.11	-7,779.04	1,400.08	909.40	490.68	2.853		
15,600.00	7,053.27	15,801.30	7,053.40	246.05	250.28	90.01	784.13	-7,878.96	1,399.34	903.03	496.31	2.819		
15,655.44	7,052.47	15,846.35	7,053.00	247.62	251.55	90.02	782.34	-7,923.97	1,398.97	899.82	499.15	2.803		
15,687.75	7,052.00	15,846.35	7,053.00	248.53	251.55	90.02	782.34	-7,923.97	1,399.34	899.41	499.93	2.799 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
300.00	300.00	300.00	300.00	3.44	3.44	5.59	119.49	11.69	120.06	113.17	6.89	17.426 CC, ES		
400.00	399.98	396.28	396.26	3.60	3.60	-108.46	120.89	12.50	122.13	114.93	7.20	16.958		
500.00	499.84	492.26	492.12	3.79	3.79	-109.56	125.07	14.93	128.38	120.78	7.61	16.875		
600.00	599.45	587.90	587.42	4.03	4.02	-111.14	131.95	19.00	138.85	130.76	8.09	17.160		
700.00	698.70	683.18	682.04	4.30	4.28	-112.79	141.17	25.13	153.26	144.63	8.64	17.745		
800.00	797.47	777.56	775.37	4.61	4.57	-114.32	152.52	33.37	171.54	162.30	9.23	18.576		
900.00	895.62	870.85	867.13	4.96	4.87	-115.64	165.91	43.61	193.63	183.75	9.88	19.606		
1,000.00	993.06	962.88	957.06	5.34	5.20	-116.73	181.21	55.74	219.46	208.91	10.55	20.797		
1,100.00	1,089.64	1,054.25	1,045.68	5.75	5.54	-117.60	198.41	69.75	248.93	237.66	11.27	22.092		
1,110.48	1,099.71	1,064.18	1,055.30	5.80	5.58	-117.70	200.36	71.35	252.19	240.84	11.35	22.222		
1,200.00	1,185.67	1,149.05	1,137.38	6.20	5.92	-118.93	217.01	85.01	280.16	268.13	12.03	23.286		
1,300.00	1,281.70	1,243.85	1,229.08	6.67	6.31	-120.04	235.61	100.27	311.52	298.69	12.83	24.284		
1,400.00	1,377.72	1,338.65	1,320.78	7.16	6.72	-120.94	254.21	115.53	342.96	329.31	13.65	25.119		
1,500.00	1,473.75	1,433.45	1,412.48	7.66	7.14	-121.70	272.80	130.79	374.47	359.97	14.50	25.821		
1,600.00	1,569.77	1,528.25	1,504.18	8.17	7.57	-122.33	291.40	146.05	406.03	390.65	15.37	26.414		
1,700.00	1,665.80	1,623.05	1,595.87	8.69	8.01	-122.88	310.00	161.31	437.62	421.36	16.26	26.919		
1,800.00	1,761.82	1,717.85	1,687.57	9.22	8.46	-123.35	328.59	176.57	469.25	452.09	17.16	27.351		
1,900.00	1,857.85	1,812.65	1,779.27	9.76	8.91	-123.77	347.19	191.83	500.90	482.83	18.07	27.723		
2,000.00	1,953.87	1,907.46	1,870.97	10.30	9.36	-124.13	365.79	207.09	532.57	513.58	18.99	28.046		
2,100.00	2,049.90	2,002.26	1,962.66	10.84	9.82	-124.45	384.39	222.34	564.26	544.34	19.92	28.327		
2,200.00	2,145.92	2,102.94	2,054.36	11.39	10.31	-124.74	402.98	237.60	595.97	575.08	20.89	28.536		
2,300.00	2,241.94	2,208.14	2,146.06	11.95	10.82	-125.00	421.58	252.86	627.68	605.80	21.88	28.688		
2,400.00	2,337.97	2,286.66	2,237.76	12.50	11.21	-125.23	440.18	268.12	659.41	636.66	22.75	28.984		
2,500.00	2,433.99	2,381.46	2,329.45	13.06	11.68	-125.45	458.77	283.38	691.15	667.44	23.71	29.156		
2,600.00	2,530.02	2,476.26	2,421.15	13.63	12.15	-125.64	477.37	298.64	722.89	698.22	24.66	29.309		
2,700.00	2,626.04	2,571.06	2,512.85	14.19	12.63	-125.82	495.97	313.90	754.64	729.01	25.63	29.447		
2,800.00	2,722.07	2,665.86	2,604.55	14.76	13.10	-125.98	514.57	329.16	786.40	759.80	26.59	29.571		
2,900.00	2,818.09	2,760.66	2,696.24	15.32	13.58	-126.13	533.16	344.42	818.16	790.60	27.56	29.683		
3,000.00	2,914.12	2,855.46	2,787.94	15.89	14.06	-126.27	551.76	359.68	849.92	821.39	28.54	29.785		
3,100.00	3,010.14	2,950.26	2,879.64	16.46	14.54	-126.40	570.36	374.94	881.70	852.19	29.51	29.878		
3,200.00	3,106.17	3,045.06	2,971.34	17.03	15.02	-126.52	588.95	390.20	913.47	882.98	30.49	29.963		
3,298.02	3,200.29	3,137.99	3,061.22	17.59	15.49	-126.63	607.18	405.16	944.62	913.17	31.45	30.039		
3,300.00	3,202.19	3,139.86	3,063.03	17.60	15.50	-126.65	607.55	405.46	945.25	913.78	31.47	30.040		
3,400.00	3,298.70	3,235.01	3,155.07	18.16	15.98	-127.18	626.22	420.78	975.99	943.56	32.44	30.088		
3,500.00	3,396.07	3,330.76	3,247.68	18.68	16.47	-127.51	645.00	436.19	1,004.73	971.33	33.40	30.085		
3,600.00	3,494.17	3,426.98	3,340.75	19.18	16.96	-127.64	663.88	451.68	1,031.44	997.10	34.34	30.034		
3,700.00	3,592.88	3,523.56	3,434.17	19.64	17.45	-127.60	682.82	467.22	1,056.13	1,020.86	35.27	29.941		
3,800.00	3,692.10	3,620.38	3,527.83	20.08	17.95	-127.40	701.82	482.81	1,078.84	1,042.65	36.19	29.810		
3,900.00	3,791.69	3,717.33	3,621.60	20.49	18.44	-127.05	720.84	498.41	1,099.60	1,062.51	37.09	29.644		
4,000.00	3,891.53	3,814.29	3,715.38	20.88	18.94	-126.55	739.85	514.02	1,118.49	1,080.51	37.98	29.448		
4,108.50	4,000.00	3,919.35	3,817.01	21.27	19.48	-12.20	760.47	530.93	1,136.97	1,098.04	38.92	29.211		
4,200.00	4,091.50	4,007.86	3,902.62	21.58	19.93	-11.31	777.83	545.18	1,151.83	1,112.13	39.70	29.010		
4,300.00	4,191.50	4,104.58	3,996.18	21.92	20.43	-10.36	796.80	560.75	1,168.39	1,127.83	40.56	28.806		
4,400.00	4,291.50	4,201.31	4,089.74	22.27	20.93	-9.45	815.78	576.32	1,185.26	1,143.85	41.42	28.618		
4,500.00	4,391.50	4,301.96	4,183.30	22.62	21.45	-8.55	834.75	591.89	1,202.43	1,160.14	42.29	28.430		
4,600.00	4,491.50	4,394.76	4,276.86	22.97	21.93	-7.68	853.73	607.46	1,219.89	1,176.76	43.13	28.283		
4,700.00	4,591.50	4,508.51	4,370.42	23.33	22.51	-6.84	872.70	623.02	1,237.62	1,193.54	44.08	28.079		
4,800.00	4,691.50	4,588.22	4,463.98	23.69	22.92	-6.02	891.68	638.59	1,255.61	1,210.76	44.85	27.997		
4,900.00	4,791.50	4,684.94	4,557.54	24.05	23.42	-5.22	910.65	654.16	1,273.86	1,228.15	45.71	27.870		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,781.67	4,651.10	24.42	23.92	-4.44	929.63	669.73	1,292.34	1,245.78	46.57	27.752		
5,100.00	4,991.50	4,878.40	4,744.66	24.78	24.42	-3.68	948.60	685.30	1,311.06	1,263.63	47.43	27.644		
5,200.00	5,091.50	4,975.12	4,838.22	25.15	24.92	-2.95	967.58	700.87	1,329.99	1,281.71	48.29	27.543		
5,300.00	5,191.50	5,071.85	4,931.78	25.53	25.42	-2.23	986.55	716.44	1,349.14	1,299.99	49.15	27.450		
5,400.00	5,291.50	5,168.58	5,025.34	25.90	25.92	-1.54	1,005.53	732.01	1,368.49	1,318.48	50.01	27.365		
5,500.00	5,391.50	5,265.30	5,118.90	26.28	26.42	-0.86	1,024.50	747.58	1,388.04	1,337.17	50.87	27.285		
5,600.00	5,491.50	5,362.03	5,212.47	26.65	26.93	-0.20	1,043.48	763.15	1,407.77	1,356.04	51.73	27.212		
5,700.00	5,591.50	5,458.76	5,306.03	27.03	27.43	0.44	1,062.45	778.72	1,427.68	1,375.08	52.60	27.144		
5,800.00	5,691.50	5,555.48	5,399.59	27.41	27.93	1.06	1,081.43	794.29	1,447.76	1,394.30	53.46	27.082		
5,900.00	5,791.50	5,652.21	5,493.15	27.80	28.43	1.67	1,100.40	809.86	1,468.00	1,413.68	54.32	27.024		
6,000.00	5,891.50	5,748.94	5,586.71	28.18	28.93	2.26	1,119.38	825.43	1,488.40	1,433.22	55.19	26.971		
6,100.00	5,991.50	5,845.67	5,680.27	28.57	29.43	2.83	1,138.35	841.00	1,508.96	1,452.91	56.05	26.922		
6,200.00	6,091.50	5,942.39	5,773.83	28.96	29.93	3.39	1,157.33	856.57	1,529.65	1,472.74	56.91	26.877		
6,300.00	6,191.50	6,039.12	5,867.39	29.35	30.44	3.94	1,176.30	872.14	1,550.49	1,492.71	57.78	26.835		
6,400.00	6,291.50	6,135.85	5,960.95	29.74	30.94	4.47	1,195.28	887.71	1,571.46	1,512.81	58.64	26.796		
6,500.00	6,391.50	6,232.57	6,054.51	30.13	31.44	4.99	1,214.25	903.28	1,592.56	1,533.05	59.51	26.761		
6,600.00	6,491.50	6,329.30	6,148.07	30.52	31.94	5.49	1,233.23	918.85	1,613.78	1,553.40	60.38	26.728		
6,639.95	6,531.45	6,367.94	6,185.45	30.68	32.14	5.69	1,240.81	925.07	1,622.29	1,561.56	60.72	26.716		
6,650.00	6,541.50	6,377.65	6,194.84	30.72	32.19	97.39	1,242.71	926.63	1,624.44	1,563.63	60.81	26.714		
6,700.00	6,591.41	6,442.51	6,257.80	30.90	32.52	96.81	1,255.41	935.51	1,635.33	1,573.94	61.39	26.639		
6,750.00	6,640.95	6,521.42	6,335.15	31.09	32.87	96.24	1,270.63	937.84	1,645.92	1,583.86	62.06	26.522		
6,800.00	6,689.82	6,602.49	6,414.35	31.29	33.19	95.60	1,285.76	930.07	1,656.01	1,593.31	62.71	26.409		
6,850.00	6,737.71	6,685.14	6,493.53	31.49	33.47	94.88	1,300.42	911.69	1,665.52	1,602.18	63.34	26.297		
6,900.00	6,784.33	6,768.69	6,570.60	31.70	33.75	94.08	1,314.19	882.68	1,674.35	1,610.39	63.96	26.180		
6,950.00	6,829.39	6,852.39	6,643.48	31.92	34.03	93.20	1,326.70	843.60	1,682.44	1,617.86	64.58	26.052		
7,000.00	6,872.61	6,935.44	6,710.29	32.15	34.32	92.25	1,337.62	795.59	1,689.76	1,624.53	65.23	25.903		
7,050.00	6,913.73	7,017.12	6,769.53	32.41	34.65	91.25	1,346.73	740.19	1,696.29	1,630.35	65.94	25.726		
7,100.00	6,952.49	7,096.78	6,820.21	32.68	35.01	90.21	1,353.93	679.22	1,702.02	1,635.31	66.71	25.514		
7,150.00	6,988.66	7,173.94	6,861.84	32.98	35.45	89.16	1,359.19	614.52	1,706.98	1,639.40	67.58	25.260		
7,200.00	7,022.01	7,248.26	6,894.44	33.31	35.94	88.11	1,362.59	547.86	1,711.20	1,642.67	68.53	24.971		
7,250.00	7,052.33	7,319.57	6,918.37	33.67	36.51	87.07	1,364.29	480.75	1,714.70	1,645.13	69.57	24.646		
7,300.00	7,079.44	7,387.79	6,934.25	34.07	37.13	86.06	1,364.44	414.44	1,717.54	1,646.85	70.68	24.299		
7,350.00	7,103.17	7,452.97	6,942.84	34.51	37.79	85.10	1,363.25	349.87	1,719.73	1,647.88	71.85	23.936		
7,400.00	7,123.38	7,514.47	6,944.97	34.98	38.47	84.20	1,360.94	288.47	1,721.31	1,648.28	73.04	23.568		
7,450.00	7,139.94	7,561.48	6,944.55	35.50	39.04	83.56	1,358.77	241.52	1,722.51	1,648.37	74.14	23.233		
7,500.00	7,152.75	7,609.67	6,944.11	36.05	39.65	83.05	1,356.55	193.37	1,723.40	1,648.08	75.31	22.884		
7,550.00	7,161.73	7,658.76	6,943.66	36.64	40.32	82.70	1,354.28	144.34	1,723.89	1,647.30	76.59	22.509		
7,600.00	7,166.82	7,708.43	6,943.21	37.26	41.03	82.52	1,351.99	94.72	1,723.91	1,645.99	77.92	22.124		
7,649.14	7,168.00	7,757.52	6,942.76	37.89	41.78	82.50	1,349.72	45.69	1,723.45	1,644.13	79.32	21.728		
7,700.00	7,167.27	7,808.38	6,942.29	38.57	42.58	82.51	1,347.37	-5.12	1,722.71	1,641.89	80.82	21.315		
7,800.00	7,165.83	7,908.37	6,941.38	40.04	44.25	82.52	1,342.75	-104.99	1,721.27	1,637.28	83.99	20.493		
7,900.00	7,164.38	8,008.36	6,940.47	41.66	46.06	82.53	1,338.14	-204.87	1,719.82	1,632.39	87.43	19.670		
8,000.00	7,162.94	8,108.35	6,939.56	43.40	47.97	82.54	1,333.52	-304.75	1,718.38	1,627.29	91.09	18.865		
8,100.00	7,161.50	8,208.34	6,938.65	45.26	49.97	82.55	1,328.90	-404.63	1,716.94	1,622.00	94.94	18.085		
8,200.00	7,160.05	8,308.33	6,937.74	47.21	52.04	82.56	1,324.29	-504.51	1,715.49	1,616.53	98.96	17.335		
8,300.00	7,158.61	8,408.32	6,936.82	49.26	54.19	82.58	1,319.67	-604.38	1,714.05	1,610.91	103.14	16.619		
8,400.00	7,157.17	8,508.31	6,935.91	51.38	56.40	82.59	1,315.05	-704.26	1,712.60	1,605.16	107.45	15.939		
8,500.00	7,155.73	8,608.29	6,935.00	53.57	58.66	82.60	1,310.44	-804.14	1,711.16	1,599.29	111.87	15.295		
8,600.00	7,154.28	8,708.28	6,934.09	55.82	60.97	82.61	1,305.82	-904.02	1,709.72	1,593.30	116.41	14.687		
8,700.00	7,152.84	8,808.27	6,933.18	58.12	63.33	82.62	1,301.20	-1,003.90	1,708.27	1,587.23	121.04	14.113		
8,800.00	7,151.40	8,908.26	6,932.27	60.47	65.72	82.63	1,296.59	-1,103.78	1,706.83	1,581.07	125.76	13.572		
8,900.00	7,149.95	9,008.25	6,931.35	62.86	68.15	82.65	1,291.97	-1,203.65	1,705.38	1,574.84	130.54	13.064		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	9,108.24	6,930.44	65.28	70.61	82.66	1,287.35	-1,303.53	1,703.94	1,568.54	135.40	12.585		
9,100.00	7,147.07	9,208.23	6,929.53	67.74	73.09	82.67	1,282.74	-1,403.41	1,702.50	1,562.19	140.31	12.134		
9,200.00	7,145.62	9,308.22	6,928.62	70.23	75.61	82.68	1,278.12	-1,503.29	1,701.05	1,555.77	145.28	11.709		
9,300.00	7,144.18	9,408.21	6,927.71	72.74	78.14	82.69	1,273.51	-1,603.17	1,699.61	1,549.32	150.29	11.309		
9,400.00	7,142.74	9,508.19	6,926.80	75.28	80.69	82.70	1,268.89	-1,703.04	1,698.17	1,542.82	155.35	10.931		
9,500.00	7,141.29	9,608.18	6,925.89	77.84	83.27	82.72	1,264.27	-1,802.92	1,696.72	1,536.27	160.45	10.575		
9,600.00	7,139.85	9,708.17	6,924.97	80.42	85.86	82.73	1,259.66	-1,902.80	1,695.28	1,529.70	165.58	10.238		
9,700.00	7,138.41	9,808.16	6,924.06	83.01	88.46	82.74	1,255.04	-2,002.68	1,693.84	1,523.09	170.75	9.920		
9,800.00	7,136.97	9,908.15	6,923.15	85.62	91.08	82.75	1,250.42	-2,102.56	1,692.39	1,516.45	175.95	9.619		
9,900.00	7,135.52	10,008.14	6,922.24	88.25	93.71	82.76	1,245.81	-2,202.44	1,690.95	1,509.78	181.17	9.333		
10,000.00	7,134.08	10,108.13	6,921.33	90.89	96.35	82.78	1,241.19	-2,302.31	1,689.51	1,503.09	186.42	9.063		
10,100.00	7,132.64	10,208.12	6,920.42	93.54	99.01	82.79	1,236.57	-2,402.19	1,688.07	1,496.38	191.69	8.806		
10,200.00	7,131.19	10,308.11	6,919.50	96.20	101.67	82.80	1,231.96	-2,502.07	1,686.62	1,489.64	196.98	8.562		
10,300.00	7,129.75	10,408.10	6,918.59	98.87	104.34	82.81	1,227.34	-2,601.95	1,685.18	1,482.89	202.29	8.330		
10,400.00	7,128.31	10,508.08	6,917.68	101.55	107.03	82.82	1,222.72	-2,701.83	1,683.74	1,476.11	207.62	8.110		
10,500.00	7,126.86	10,608.07	6,916.77	104.24	109.72	82.84	1,218.11	-2,801.70	1,682.29	1,469.32	212.97	7.899		
10,600.00	7,125.42	10,708.06	6,915.86	106.94	112.41	82.85	1,213.49	-2,901.58	1,680.85	1,462.52	218.33	7.699		
10,700.00	7,123.98	10,808.05	6,914.95	109.64	115.12	82.86	1,208.87	-3,001.46	1,679.41	1,455.70	223.71	7.507		
10,800.00	7,122.53	10,908.04	6,914.03	112.36	117.82	82.87	1,204.26	-3,101.34	1,677.97	1,448.87	229.10	7.324		
10,900.00	7,121.09	11,008.03	6,913.12	115.08	120.54	82.88	1,199.64	-3,201.22	1,676.53	1,442.03	234.50	7.149		
11,000.00	7,119.65	11,108.02	6,912.21	117.80	123.26	82.90	1,195.02	-3,301.10	1,675.08	1,435.17	239.91	6.982		
11,100.00	7,118.20	11,208.01	6,911.30	120.53	125.99	82.91	1,190.41	-3,400.97	1,673.64	1,428.30	245.34	6.822		
11,200.00	7,116.76	11,308.00	6,910.39	123.26	128.72	82.92	1,185.79	-3,500.85	1,672.20	1,421.43	250.77	6.668		
11,300.00	7,115.32	11,407.99	6,909.48	126.00	131.45	82.93	1,181.17	-3,600.73	1,670.76	1,414.54	256.22	6.521		
11,400.00	7,113.88	11,507.97	6,908.56	128.75	134.20	82.95	1,176.56	-3,700.61	1,669.32	1,407.65	261.67	6.379		
11,500.00	7,112.43	11,607.96	6,907.65	131.50	136.94	82.96	1,171.94	-3,800.49	1,667.87	1,400.74	267.13	6.244		
11,600.00	7,110.99	11,707.95	6,906.74	134.25	139.69	82.97	1,167.32	-3,900.36	1,666.43	1,393.83	272.60	6.113		
11,700.00	7,109.55	11,807.94	6,905.83	137.01	142.44	82.98	1,162.71	-4,000.24	1,664.99	1,386.91	278.08	5.988		
11,800.00	7,108.10	11,907.93	6,904.92	139.77	145.19	82.99	1,158.09	-4,100.12	1,663.55	1,379.99	283.56	5.867		
11,900.00	7,106.66	12,007.92	6,904.01	142.53	147.95	83.01	1,153.47	-4,200.00	1,662.11	1,373.06	289.05	5.750		
12,000.00	7,105.22	12,107.91	6,903.10	145.30	150.71	83.02	1,148.86	-4,299.88	1,660.67	1,366.12	294.55	5.638		
12,100.00	7,103.77	12,207.90	6,902.18	148.06	153.47	83.03	1,144.24	-4,399.76	1,659.22	1,359.17	300.05	5.530		
12,200.00	7,102.33	12,307.89	6,901.27	150.84	156.24	83.04	1,139.62	-4,499.63	1,657.78	1,352.22	305.56	5.425		
12,300.00	7,100.89	12,407.88	6,900.36	153.61	159.01	83.06	1,135.01	-4,599.51	1,656.34	1,345.27	311.07	5.325		
12,400.00	7,099.44	12,507.86	6,899.45	156.39	161.78	83.07	1,130.39	-4,699.39	1,654.90	1,338.31	316.59	5.227		
12,500.00	7,098.00	12,607.85	6,898.54	159.17	164.55	83.08	1,125.77	-4,799.27	1,653.46	1,331.34	322.12	5.133		
12,600.00	7,096.56	12,707.84	6,897.63	161.95	167.33	83.09	1,121.16	-4,899.15	1,652.02	1,324.37	327.64	5.042		
12,700.00	7,095.12	12,807.83	6,896.71	164.73	170.11	83.11	1,116.54	-4,999.02	1,650.58	1,317.40	333.18	4.954		
12,800.00	7,093.67	12,907.82	6,895.80	167.52	172.89	83.12	1,111.92	-5,098.90	1,649.14	1,310.42	338.72	4.869		
12,900.00	7,092.23	13,007.81	6,894.89	170.31	175.67	83.13	1,107.31	-5,198.78	1,647.70	1,303.44	344.26	4.786		
13,000.00	7,090.79	13,107.80	6,893.98	173.09	178.45	83.14	1,102.69	-5,298.66	1,646.26	1,296.45	349.80	4.706		
13,100.00	7,089.34	13,207.79	6,893.07	175.89	181.24	83.16	1,098.07	-5,398.54	1,644.82	1,289.46	355.35	4.629		
13,200.00	7,087.90	13,307.78	6,892.16	178.68	184.02	83.17	1,093.46	-5,498.42	1,643.37	1,282.47	360.90	4.554		
13,300.00	7,086.46	13,407.76	6,891.24	181.47	186.81	83.18	1,088.84	-5,598.29	1,641.93	1,275.48	366.46	4.481		
13,400.00	7,085.01	13,507.75	6,890.33	184.27	189.60	83.20	1,084.22	-5,698.17	1,640.49	1,268.48	372.02	4.410		
13,500.00	7,083.57	13,607.74	6,889.42	187.07	192.39	83.21	1,079.61	-5,798.05	1,639.05	1,261.47	377.58	4.341		
13,600.00	7,082.13	13,707.73	6,888.51	189.86	195.18	83.22	1,074.99	-5,897.93	1,637.61	1,254.47	383.14	4.274		
13,700.00	7,080.68	13,807.72	6,887.60	192.66	197.98	83.23	1,070.37	-5,997.81	1,636.17	1,247.46	388.71	4.209		
13,800.00	7,079.24	13,907.71	6,886.69	195.47	200.77	83.25	1,065.76	-6,097.68	1,634.73	1,240.45	394.28	4.146		
13,900.00	7,077.80	14,007.70	6,885.77	198.27	203.57	83.26	1,061.14	-6,197.56	1,633.29	1,233.44	399.86	4.085		
14,000.00	7,076.36	14,107.69	6,884.86	201.07	206.36	83.27	1,056.52	-6,297.44	1,631.85	1,226.42	405.43	4.025		
14,100.00	7,074.91	14,207.68	6,883.95	203.88	209.16	83.28	1,051.91	-6,397.32	1,630.41	1,219.40	411.01	3.967		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 32N-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
14,200.00	7,073.47	14,307.67	6,883.04	206.68	211.96	83.30	1,047.29	-6,497.20	1,628.97	1,212.38	416.59	3.910	
14,300.00	7,072.03	14,407.65	6,882.13	209.49	214.76	83.31	1,042.67	-6,597.07	1,627.53	1,205.36	422.17	3.855	
14,400.00	7,070.58	14,507.64	6,881.22	212.30	217.56	83.32	1,038.06	-6,696.95	1,626.10	1,198.34	427.76	3.801	
14,500.00	7,069.14	14,607.63	6,880.30	215.11	220.36	83.34	1,033.44	-6,796.83	1,624.66	1,191.31	433.35	3.749	
14,600.00	7,067.70	14,707.62	6,879.39	217.92	223.17	83.35	1,028.82	-6,896.71	1,623.22	1,184.28	438.93	3.698	
14,700.00	7,066.25	14,807.61	6,878.48	220.73	225.97	83.36	1,024.21	-6,996.59	1,621.78	1,177.25	444.53	3.648	
14,800.00	7,064.81	14,907.60	6,877.57	223.54	228.78	83.37	1,019.59	-7,096.47	1,620.34	1,170.22	450.12	3.600	
14,900.00	7,063.37	15,007.59	6,876.66	226.35	231.58	83.39	1,014.97	-7,196.34	1,618.90	1,163.19	455.71	3.552	
15,000.00	7,061.92	15,107.58	6,875.75	229.16	234.39	83.40	1,010.36	-7,296.22	1,617.46	1,156.15	461.31	3.506	
15,100.00	7,060.48	15,207.57	6,874.84	231.98	237.20	83.41	1,005.74	-7,396.10	1,616.02	1,149.11	466.91	3.461	
15,200.00	7,059.04	15,307.56	6,873.92	234.79	240.00	83.43	1,001.12	-7,495.98	1,614.58	1,142.07	472.51	3.417	
15,300.00	7,057.60	15,407.54	6,873.01	237.61	242.81	83.44	996.51	-7,595.86	1,613.14	1,135.03	478.11	3.374	
15,400.00	7,056.15	15,507.53	6,872.10	240.42	245.62	83.45	991.89	-7,695.73	1,611.70	1,127.99	483.72	3.332	
15,500.00	7,054.71	15,607.52	6,871.19	243.24	248.43	83.47	987.27	-7,795.61	1,610.27	1,120.95	489.32	3.291	
15,600.00	7,053.27	15,707.51	6,870.28	246.05	251.24	83.48	982.66	-7,895.49	1,608.83	1,113.90	494.93	3.251	
15,654.16	7,052.49	15,738.53	6,869.99	247.58	252.11	83.48	981.22	-7,926.47	1,608.22	1,110.87	497.35	3.234	
15,687.75	7,052.00	15,738.53	6,869.99	248.53	252.11	83.48	981.22	-7,926.47	1,608.57	1,110.40	498.16	3.229 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	5.68	89.62	8.91	90.06					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	89.62	8.91	90.06	83.49	6.57	13.709		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	89.62	8.91	90.06	83.39	6.67	13.494		
300.00	300.00	300.00	300.00	3.44	3.44	5.68	89.62	8.91	90.06	83.17	6.89	13.071 CC, ES		
400.00	399.98	397.66	397.64	3.60	3.60	-108.27	90.75	10.13	91.88	84.68	7.20	12.758		
500.00	499.84	495.11	494.96	3.79	3.80	-109.07	94.15	13.77	97.35	89.75	7.60	12.802		
600.00	599.45	592.15	591.64	4.03	4.03	-110.21	99.77	19.79	106.49	98.40	8.09	13.168		
700.00	698.70	688.58	687.39	4.30	4.30	-111.49	107.56	28.15	119.31	110.68	8.64	13.815		
800.00	797.47	784.20	781.90	4.61	4.59	-112.73	117.46	38.76	135.82	126.58	9.24	14.698		
900.00	895.62	878.84	874.91	4.96	4.90	-113.85	129.36	51.53	155.97	146.08	9.89	15.767		
1,000.00	993.06	975.16	969.13	5.34	5.24	-115.06	143.00	66.16	179.14	168.55	10.59	16.924		
1,100.00	1,089.64	1,071.76	1,063.60	5.75	5.60	-116.75	156.75	80.90	204.00	192.68	11.33	18.010		
1,110.48	1,099.71	1,081.85	1,073.47	5.80	5.64	-116.94	158.18	82.43	206.71	195.30	11.41	18.117		
1,200.00	1,185.67	1,167.98	1,157.71	6.20	5.98	-118.85	170.44	95.57	230.06	217.95	12.11	19.001		
1,300.00	1,281.70	1,264.20	1,251.82	6.67	6.38	-120.57	184.12	110.25	256.36	243.44	12.92	19.848		
1,400.00	1,377.72	1,360.42	1,345.92	7.16	6.78	-121.97	197.81	124.93	282.84	269.09	13.75	20.569		
1,500.00	1,473.75	1,456.64	1,440.02	7.66	7.20	-123.14	211.50	139.61	309.45	294.84	14.61	21.186		
1,600.00	1,569.77	1,552.86	1,534.13	8.17	7.62	-124.11	225.19	154.29	336.16	320.68	15.48	21.717		
1,700.00	1,665.80	1,649.08	1,628.23	8.69	8.04	-124.95	238.88	168.97	362.95	346.58	16.37	22.176		
1,800.00	1,761.82	1,745.30	1,722.33	9.22	8.48	-125.67	252.57	183.65	389.80	372.53	17.27	22.576		
1,900.00	1,857.85	1,841.52	1,816.44	9.76	8.91	-126.29	266.25	198.33	416.70	398.52	18.18	22.926		
2,000.00	1,953.87	1,937.74	1,910.54	10.30	9.36	-126.85	279.94	213.01	443.64	424.55	19.09	23.234		
2,100.00	2,049.90	2,033.96	2,004.64	10.84	9.80	-127.33	293.63	227.69	470.61	450.59	20.02	23.507		
2,200.00	2,145.92	2,130.19	2,098.75	11.39	10.25	-127.77	307.32	242.36	497.62	476.66	20.95	23.749		
2,300.00	2,241.94	2,226.41	2,192.85	11.95	10.70	-128.16	321.01	257.04	524.64	502.75	21.89	23.966		
2,400.00	2,337.97	2,322.63	2,288.95	12.50	11.15	-128.51	334.70	271.72	551.69	528.86	22.83	24.160		
2,500.00	2,433.99	2,418.85	2,381.06	13.06	11.61	-128.83	348.38	286.40	578.75	554.97	23.78	24.335		
2,600.00	2,530.02	2,515.07	2,475.16	13.63	12.06	-129.12	362.07	301.08	605.83	581.10	24.73	24.494		
2,700.00	2,626.04	2,611.29	2,569.26	14.19	12.52	-129.39	375.76	315.76	632.93	607.24	25.69	24.638		
2,800.00	2,722.07	2,707.51	2,663.37	14.76	12.98	-129.63	389.45	330.44	660.03	633.39	26.65	24.770		
2,900.00	2,818.09	2,803.73	2,757.47	15.32	13.44	-129.86	403.14	345.12	687.15	659.54	27.61	24.890		
3,000.00	2,914.12	2,900.05	2,851.58	15.89	13.90	-130.06	416.83	359.80	714.27	685.70	28.57	25.000		
3,100.00	3,010.14	3,003.83	2,945.68	16.46	14.40	-130.26	430.52	374.48	741.40	711.83	29.57	25.070		
3,200.00	3,106.17	3,107.61	3,039.78	17.03	14.90	-130.44	444.20	389.15	768.54	737.96	30.58	25.135		
3,298.02	3,200.29	3,186.70	3,132.02	17.59	15.29	-130.60	457.62	403.54	795.15	763.70	31.45	25.280		
3,300.00	3,202.19	3,188.61	3,133.89	17.60	15.29	-130.61	457.89	403.83	795.69	764.21	31.47	25.282		
3,400.00	3,298.70	3,285.16	3,228.31	18.16	15.76	-131.07	471.63	418.56	821.69	789.26	32.44	25.333		
3,500.00	3,396.07	3,382.26	3,323.28	18.68	16.23	-131.31	485.44	433.38	845.48	812.09	33.39	25.323		
3,600.00	3,494.17	3,479.81	3,418.68	19.18	16.71	-131.34	499.32	448.26	867.04	832.71	34.33	25.257		
3,700.00	3,592.88	3,577.67	3,514.39	19.64	17.18	-131.18	513.24	463.19	886.38	851.12	35.26	25.141		
3,800.00	3,692.10	3,675.73	3,610.30	20.08	17.66	-130.83	527.19	478.15	903.53	867.36	36.17	24.978		
3,900.00	3,791.69	3,773.88	3,706.28	20.49	18.14	-130.31	541.15	493.12	918.57	881.49	37.08	24.775		
4,000.00	3,891.53	3,871.98	3,802.22	20.88	18.61	-129.63	555.11	508.09	931.55	893.58	37.97	24.535		
4,108.50	4,000.00	3,978.23	3,906.14	21.27	19.13	-15.05	570.23	524.30	943.44	904.53	38.91	24.245		
4,200.00	4,091.50	4,067.72	3,993.66	21.58	19.57	-14.05	582.96	537.95	952.69	912.99	39.70	23.998		
4,300.00	4,191.50	4,165.52	4,089.31	21.92	20.05	-12.98	596.87	552.87	963.13	922.57	40.56	23.746		
4,400.00	4,291.50	4,263.32	4,184.96	22.27	20.53	-11.94	610.78	567.79	973.91	932.49	41.42	23.513		
4,500.00	4,391.50	4,361.12	4,280.61	22.62	21.01	-10.91	624.70	582.71	985.01	942.73	42.28	23.296		
4,600.00	4,491.50	4,458.92	4,376.26	22.97	21.48	-9.91	638.61	597.63	996.42	953.28	43.14	23.096		
4,700.00	4,591.50	4,556.72	4,471.91	23.33	21.96	-8.93	652.52	612.55	1,008.13	964.13	44.01	22.909		
4,800.00	4,691.50	4,654.52	4,567.56	23.69	22.44	-7.98	666.44	627.47	1,020.14	975.27	44.87	22.737		
4,900.00	4,791.50	4,752.32	4,663.21	24.05	22.92	-7.04	680.35	642.39	1,032.43	986.70	45.73	22.577		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,850.13	4,758.85	24.42	23.40	-6.13	694.26	657.31	1,044.99	998.40	46.59	22.428		
5,100.00	4,991.50	4,947.93	4,854.50	24.78	23.88	-5.24	708.17	672.23	1,057.82	1,010.36	47.46	22.291		
5,200.00	5,091.50	5,045.73	4,950.15	25.15	24.36	-4.37	722.09	687.15	1,070.89	1,022.57	48.32	22.164		
5,300.00	5,191.50	5,143.53	5,045.80	25.53	24.85	-3.52	736.00	702.07	1,084.21	1,035.03	49.18	22.046		
5,400.00	5,291.50	5,241.33	5,141.45	25.90	25.33	-2.69	749.91	716.99	1,097.77	1,047.72	50.04	21.936		
5,500.00	5,391.50	5,339.13	5,237.10	26.28	25.81	-1.88	763.83	731.91	1,111.55	1,060.64	50.91	21.835		
5,600.00	5,491.50	5,436.93	5,332.75	26.65	26.29	-1.09	777.74	746.83	1,125.54	1,073.78	51.77	21.742		
5,700.00	5,591.50	5,534.73	5,428.40	27.03	26.77	-0.32	791.65	761.75	1,139.75	1,087.12	52.63	21.655		
5,800.00	5,691.50	5,632.53	5,524.05	27.41	27.25	0.43	805.57	776.67	1,154.16	1,100.67	53.49	21.575		
5,900.00	5,791.50	5,730.33	5,619.69	27.80	27.73	1.17	819.48	791.59	1,168.77	1,114.41	54.36	21.502		
6,000.00	5,891.50	5,828.13	5,715.34	28.18	28.22	1.89	833.39	806.51	1,183.56	1,128.34	55.22	21.434		
6,100.00	5,991.50	5,925.93	5,810.99	28.57	28.70	2.58	847.31	821.43	1,198.53	1,142.45	56.08	21.371		
6,200.00	6,091.50	6,023.73	5,906.64	28.96	29.18	3.27	861.22	836.35	1,213.68	1,156.73	56.95	21.313		
6,300.00	6,191.50	6,121.53	6,002.29	29.35	29.66	3.93	875.13	851.27	1,228.99	1,171.18	57.81	21.259		
6,400.00	6,291.50	6,219.33	6,097.94	29.74	30.14	4.58	889.05	866.19	1,244.47	1,185.80	58.67	21.210		
6,500.00	6,391.50	6,317.13	6,193.59	30.13	30.63	5.21	902.96	881.11	1,260.10	1,200.56	59.54	21.165		
6,600.00	6,491.50	6,417.12	6,291.39	30.52	31.12	5.84	917.18	896.32	1,275.88	1,215.46	60.42	21.117		
6,639.95	6,531.45	6,473.30	6,346.72	30.68	31.38	6.05	925.08	901.79	1,281.89	1,220.98	60.91	21.045		
6,650.00	6,541.50	6,487.56	6,360.83	30.72	31.44	97.80	927.06	902.39	1,283.33	1,222.30	61.03	21.028		
6,700.00	6,591.41	6,558.77	6,431.32	30.90	31.73	97.22	936.72	900.62	1,290.32	1,228.73	61.59	20.949		
6,750.00	6,640.95	6,630.22	6,501.45	31.09	32.00	96.57	945.97	890.88	1,296.96	1,234.83	62.13	20.876		
6,800.00	6,689.82	6,701.56	6,570.02	31.29	32.26	95.85	954.63	873.32	1,303.21	1,240.56	62.65	20.803		
6,850.00	6,737.71	6,772.48	6,635.87	31.49	32.51	95.08	962.57	848.32	1,309.04	1,245.88	63.16	20.725		
6,900.00	6,784.33	6,842.66	6,697.97	31.70	32.78	94.25	969.68	816.48	1,314.44	1,250.76	63.68	20.641		
6,950.00	6,829.39	6,911.82	6,755.44	31.92	33.05	93.49	975.86	778.58	1,319.39	1,255.17	64.22	20.544		
7,000.00	6,872.61	6,979.72	6,807.62	32.15	33.35	92.49	981.07	735.49	1,323.90	1,259.10	64.80	20.431		
7,050.00	6,913.73	7,046.18	6,854.04	32.41	33.67	91.58	985.29	688.15	1,327.96	1,262.54	65.42	20.299		
7,100.00	6,952.49	7,111.07	6,894.42	32.68	34.04	90.66	988.52	637.51	1,331.59	1,265.48	66.11	20.143		
7,150.00	6,988.66	7,174.28	6,928.68	32.98	34.44	89.74	990.79	584.46	1,334.79	1,267.92	66.86	19.963		
7,200.00	7,022.01	7,235.77	6,956.86	33.31	34.89	88.82	992.15	529.85	1,337.57	1,269.88	67.69	19.760		
7,250.00	7,052.33	7,295.54	6,979.14	33.67	35.39	87.93	992.66	474.42	1,339.95	1,271.36	68.59	19.536		
7,300.00	7,079.44	7,353.60	6,995.77	34.07	35.93	87.06	992.38	418.81	1,341.94	1,272.39	69.56	19.293		
7,350.00	7,103.17	7,410.00	7,007.06	34.51	36.50	86.23	991.37	363.58	1,343.55	1,272.96	70.59	19.034		
7,400.00	7,123.38	7,464.79	7,013.35	34.98	37.10	85.42	989.72	309.19	1,344.78	1,273.11	71.67	18.764		
7,450.00	7,139.94	7,518.07	7,015.00	35.50	37.71	84.66	987.48	256.00	1,345.63	1,272.85	72.79	18.488		
7,500.00	7,152.75	7,566.21	7,014.53	36.05	38.31	84.07	985.18	207.92	1,346.19	1,272.26	73.93	18.209		
7,550.00	7,161.73	7,615.29	7,014.06	36.64	38.95	83.65	982.84	158.90	1,346.44	1,271.29	75.15	17.917		
7,600.00	7,166.82	7,664.96	7,013.58	37.26	39.65	83.43	980.47	109.29	1,346.30	1,269.84	76.47	17.607		
7,649.14	7,168.00	7,714.05	7,013.11	37.89	40.37	83.40	978.13	60.26	1,345.74	1,267.92	77.82	17.294		
7,700.00	7,167.27	7,764.90	7,012.62	38.57	41.16	83.41	975.70	9.46	1,344.94	1,265.63	79.31	16.958		
7,800.00	7,165.83	7,864.89	7,011.65	40.04	42.81	83.42	970.93	-90.41	1,343.35	1,260.90	82.45	16.294		
7,900.00	7,164.38	7,964.88	7,010.69	41.66	44.57	83.43	966.16	-190.28	1,341.77	1,255.92	85.84	15.631		
8,000.00	7,162.94	8,064.86	7,009.72	43.40	46.45	83.45	961.40	-290.15	1,340.18	1,250.72	89.47	14.980		
8,100.00	7,161.50	8,164.85	7,008.76	45.26	48.42	83.46	956.63	-390.02	1,338.60	1,245.30	93.29	14.348		
8,200.00	7,160.05	8,264.84	7,007.79	47.21	50.47	83.47	951.86	-489.88	1,337.01	1,239.71	97.30	13.741		
8,300.00	7,158.61	8,364.83	7,006.83	49.26	52.60	83.49	947.09	-589.75	1,335.43	1,233.97	101.46	13.162		
8,400.00	7,157.17	8,464.81	7,005.86	51.38	54.79	83.50	942.32	-689.62	1,333.84	1,228.08	105.76	12.611		
8,500.00	7,155.73	8,564.80	7,004.90	53.57	57.04	83.51	937.55	-789.49	1,332.26	1,222.07	110.19	12.091		
8,600.00	7,154.28	8,664.79	7,003.93	55.82	59.34	83.52	932.78	-889.36	1,330.68	1,215.95	114.72	11.599		
8,700.00	7,152.84	8,764.77	7,002.97	58.12	61.69	83.54	928.01	-989.23	1,329.09	1,209.74	119.35	11.136		
8,800.00	7,151.40	8,864.76	7,002.00	60.47	64.07	83.55	923.24	-1,089.09	1,327.51	1,203.44	124.06	10.700		
8,900.00	7,149.95	8,964.75	7,001.04	62.86	66.49	83.56	918.47	-1,188.96	1,325.92	1,197.07	128.85	10.290		

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 13C-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 13C-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	7,148.51	9,064.73	7,000.07	65.28	68.95	83.58	913.70	-1,288.83	1,324.34	1,190.63	133.71	9.904		
9,100.00	7,147.07	9,164.72	6,999.11	67.74	71.43	83.59	908.93	-1,388.70	1,322.76	1,184.13	138.63	9.542		
9,200.00	7,145.62	9,264.71	6,998.15	70.23	73.93	83.60	904.16	-1,488.57	1,321.17	1,177.57	143.60	9.200		
9,300.00	7,144.18	9,364.70	6,997.18	72.74	76.46	83.62	899.39	-1,588.44	1,319.59	1,170.97	148.62	8.879		
9,400.00	7,142.74	9,464.68	6,996.22	75.28	79.01	83.63	894.63	-1,688.31	1,318.01	1,164.32	153.69	8.576		
9,500.00	7,141.29	9,564.67	6,995.25	77.84	81.58	83.64	889.86	-1,788.17	1,316.42	1,157.63	158.79	8.290		
9,600.00	7,139.85	9,664.66	6,994.29	80.42	84.17	83.66	885.09	-1,888.04	1,314.84	1,150.90	163.94	8.020		
9,700.00	7,138.41	9,764.64	6,993.32	83.01	86.77	83.67	880.32	-1,987.91	1,313.26	1,144.14	169.11	7.766		
9,800.00	7,136.97	9,864.63	6,992.36	85.62	89.39	83.68	875.55	-2,087.78	1,311.67	1,137.36	174.32	7.525		
9,900.00	7,135.52	9,964.62	6,991.39	88.25	92.02	83.70	870.78	-2,187.65	1,310.09	1,130.54	179.55	7.297		
10,000.00	7,134.08	10,064.60	6,990.43	90.89	94.66	83.71	866.01	-2,287.52	1,308.51	1,123.70	184.81	7.080		
10,100.00	7,132.64	10,164.59	6,989.46	93.54	97.32	83.72	861.24	-2,387.39	1,306.92	1,116.84	190.09	6.875		
10,200.00	7,131.19	10,264.58	6,988.50	96.20	99.98	83.74	856.47	-2,487.25	1,305.34	1,109.95	195.39	6.681		
10,300.00	7,129.75	10,364.57	6,987.53	98.87	102.65	83.75	851.70	-2,587.12	1,303.76	1,103.05	200.71	6.496		
10,400.00	7,128.31	10,464.55	6,986.57	101.55	105.33	83.76	846.93	-2,686.99	1,302.17	1,096.12	206.05	6.320		
10,500.00	7,126.86	10,564.54	6,985.60	104.24	108.02	83.78	842.16	-2,786.86	1,300.59	1,089.19	211.41	6.152		
10,600.00	7,125.42	10,664.53	6,984.64	106.94	110.72	83.79	837.39	-2,886.73	1,299.01	1,082.23	216.78	5.992		
10,700.00	7,123.98	10,764.51	6,983.68	109.64	113.42	83.80	832.62	-2,986.60	1,297.43	1,075.26	222.16	5.840		
10,800.00	7,122.53	10,864.50	6,982.71	112.36	116.13	83.82	827.86	-3,086.47	1,295.84	1,068.28	227.56	5.694		
10,900.00	7,121.09	10,964.49	6,981.75	115.08	118.85	83.83	823.09	-3,186.33	1,294.26	1,061.29	232.97	5.555		
11,000.00	7,119.65	11,064.47	6,980.78	117.80	121.57	83.84	818.32	-3,286.20	1,292.68	1,054.28	238.40	5.422		
11,100.00	7,118.20	11,164.46	6,979.82	120.53	124.29	83.86	813.55	-3,386.07	1,291.10	1,047.26	243.83	5.295		
11,200.00	7,116.76	11,264.45	6,978.85	123.26	127.03	83.87	808.78	-3,485.94	1,289.51	1,040.24	249.28	5.173		
11,300.00	7,115.32	11,364.44	6,977.89	126.00	129.76	83.89	804.01	-3,585.81	1,287.93	1,033.20	254.73	5.056		
11,400.00	7,113.88	11,464.42	6,976.92	128.75	132.50	83.90	799.24	-3,685.68	1,286.35	1,026.16	260.19	4.944		
11,500.00	7,112.43	11,564.41	6,975.96	131.50	135.25	83.91	794.47	-3,785.55	1,284.77	1,019.10	265.67	4.836		
11,600.00	7,110.99	11,664.40	6,974.99	134.25	137.99	83.93	789.70	-3,885.41	1,283.18	1,012.04	271.14	4.732		
11,700.00	7,109.55	11,764.38	6,974.03	137.01	140.74	83.94	784.93	-3,985.28	1,281.60	1,004.97	276.63	4.633		
11,800.00	7,108.10	11,864.37	6,973.06	139.77	143.50	83.96	780.16	-4,085.15	1,280.02	997.90	282.13	4.537		
11,900.00	7,106.66	11,964.36	6,972.10	142.53	146.26	83.97	775.39	-4,185.02	1,278.44	990.81	287.63	4.445		
12,000.00	7,105.22	12,064.34	6,971.14	145.30	149.02	83.98	770.62	-4,284.89	1,276.86	983.73	293.13	4.356		
12,100.00	7,103.77	12,164.33	6,970.17	148.06	151.78	84.00	765.85	-4,384.76	1,275.28	976.63	298.65	4.270		
12,200.00	7,102.33	12,264.32	6,969.21	150.84	154.55	84.01	761.09	-4,484.62	1,273.69	969.53	304.16	4.188		
12,300.00	7,100.89	12,364.31	6,968.24	153.61	157.32	84.03	756.32	-4,584.49	1,272.11	962.43	309.69	4.108		
12,400.00	7,099.44	12,464.29	6,967.28	156.39	160.09	84.04	751.55	-4,684.36	1,270.53	955.31	315.22	4.031		
12,500.00	7,098.00	12,564.28	6,966.31	159.17	162.86	84.05	746.78	-4,784.23	1,268.95	948.20	320.75	3.956		
12,600.00	7,096.56	12,664.27	6,965.35	161.95	165.64	84.07	742.01	-4,884.10	1,267.37	941.08	326.29	3.884		
12,700.00	7,095.12	12,764.25	6,964.38	164.73	168.41	84.08	737.24	-4,983.97	1,265.79	933.96	331.83	3.815		
12,800.00	7,093.67	12,864.24	6,963.42	167.52	171.19	84.10	732.47	-5,083.84	1,264.21	926.83	337.38	3.747		
12,900.00	7,092.23	12,964.23	6,962.45	170.31	173.98	84.11	727.70	-5,183.70	1,262.63	919.70	342.93	3.682		
13,000.00	7,090.79	13,064.21	6,961.49	173.09	176.76	84.13	722.93	-5,283.57	1,261.05	912.56	348.48	3.619		
13,100.00	7,089.34	13,164.20	6,960.52	175.89	179.54	84.14	718.16	-5,383.44	1,259.46	905.42	354.04	3.557		
13,200.00	7,087.90	13,264.19	6,959.56	178.68	182.33	84.16	713.39	-5,483.31	1,257.88	898.28	359.61	3.498		
13,300.00	7,086.46	13,364.18	6,958.59	181.47	185.12	84.17	708.62	-5,583.18	1,256.30	891.13	365.17	3.440		
13,400.00	7,085.01	13,464.16	6,957.63	184.27	187.91	84.18	703.85	-5,683.05	1,254.72	883.98	370.74	3.384		
13,500.00	7,083.57	13,564.15	6,956.67	187.07	190.70	84.20	699.08	-5,782.92	1,253.14	876.83	376.31	3.330		
13,600.00	7,082.13	13,664.14	6,955.70	189.86	193.49	84.21	694.32	-5,882.78	1,251.56	869.68	381.89	3.277		
13,700.00	7,080.68	13,764.12	6,954.74	192.66	196.28	84.23	689.55	-5,982.65	1,249.98	862.52	387.46	3.226		
13,800.00	7,079.24	13,864.11	6,953.77	195.47	199.08	84.24	684.78	-6,082.52	1,248.40	855.36	393.04	3.176		
13,900.00	7,077.80	13,964.10	6,952.81	198.27	201.88	84.26	680.01	-6,182.39	1,246.82	848.20	398.63	3.128		
14,000.00	7,076.36	14,064.08	6,951.84	201.07	204.67	84.27	675.24	-6,282.26	1,245.24	841.03	404.21	3.081		
14,100.00	7,074.91	14,164.07	6,950.88	203.88	207.47	84.29	670.47	-6,382.13	1,243.66	833.86	409.80	3.035		

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 13C-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 13C-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 32N-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	7,073.47	14,264.06	6,949.91	206.68	210.27	84.30	665.70	-6,482.00	1,242.08	826.69	415.39	2.990	
14,300.00	7,072.03	14,364.05	6,948.95	209.49	213.07	84.32	660.93	-6,581.86	1,240.50	819.52	420.98	2.947	
14,400.00	7,070.58	14,464.03	6,947.98	212.30	215.87	84.33	656.16	-6,681.73	1,238.92	812.35	426.58	2.904	
14,500.00	7,069.14	14,564.02	6,947.02	215.11	218.67	84.35	651.39	-6,781.60	1,237.34	805.17	432.17	2.863	
14,600.00	7,067.70	14,664.01	6,946.05	217.92	221.48	84.36	646.62	-6,881.47	1,235.76	797.99	437.77	2.823	
14,700.00	7,066.25	14,763.99	6,945.09	220.73	224.28	84.38	641.85	-6,981.34	1,234.18	790.81	443.37	2.784	
14,800.00	7,064.81	14,863.98	6,944.12	223.54	227.09	84.39	637.08	-7,081.21	1,232.60	783.63	448.97	2.745	
14,900.00	7,063.37	14,963.97	6,943.16	226.35	229.89	84.41	632.31	-7,181.08	1,231.02	776.45	454.58	2.708	
15,000.00	7,061.92	15,063.95	6,942.20	229.16	232.70	84.42	627.55	-7,280.94	1,229.44	769.26	460.18	2.672	
15,100.00	7,060.48	15,163.94	6,941.23	231.98	235.50	84.44	622.78	-7,380.81	1,227.87	762.07	465.79	2.636	
15,200.00	7,059.04	15,263.93	6,940.27	234.79	238.31	84.45	618.01	-7,480.68	1,226.29	754.88	471.40	2.601	
15,300.00	7,057.60	15,363.92	6,939.30	237.61	241.12	84.47	613.24	-7,580.55	1,224.71	747.69	477.01	2.567	
15,400.00	7,056.15	15,463.90	6,938.34	240.42	243.93	84.48	608.47	-7,680.42	1,223.13	740.50	482.63	2.534	
15,500.00	7,054.71	15,563.89	6,937.37	243.24	246.74	84.50	603.70	-7,780.29	1,221.55	733.31	488.24	2.502	
15,600.00	7,053.27	15,663.88	6,936.41	246.05	249.55	84.52	598.93	-7,880.16	1,219.97	726.12	493.86	2.470	
15,661.47	7,052.38	15,706.13	6,936.00	247.79	250.74	84.52	596.91	-7,922.36	1,219.15	722.35	496.81	2.454	
15,687.75	7,052.00	15,706.13	6,936.00	248.53	250.74	84.52	596.91	-7,922.36	1,219.43	722.04	497.40	2.452 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	5.85	29.87	3.06	30.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.85	29.87	3.06	30.03	23.46	6.57	4.571		
200.00	200.00	200.00	200.00	3.34	3.34	5.85	29.87	3.06	30.03	23.36	6.67	4.499		
300.00	300.00	300.00	300.00	3.44	3.44	5.85	29.87	3.06	30.03	23.14	6.89	4.359 CC		
400.00	399.98	399.92	399.90	3.60	3.60	-107.64	29.83	4.80	30.70	23.50	7.20	4.265		
500.00	499.84	499.81	499.64	3.79	3.80	-107.21	29.69	10.02	32.69	25.10	7.59	4.308		
600.00	599.45	599.64	599.10	4.03	4.04	-106.59	29.46	18.71	36.02	27.96	8.06	4.468		
700.00	698.70	700.58	698.14	4.30	4.32	-105.96	29.15	30.80	40.68	32.06	8.61	4.722		
800.00	797.47	800.76	797.06	4.61	4.62	-108.10	28.80	44.09	46.45	37.22	9.23	5.034		
900.00	895.62	901.13	895.81	4.96	4.95	-113.23	28.45	57.34	53.57	43.67	9.90	5.411		
1,000.00	993.06	1,001.79	994.27	5.34	5.31	-119.90	28.11	70.56	62.69	52.07	10.62	5.905		
1,100.00	1,089.64	1,102.87	1,092.30	5.75	5.68	-126.95	27.76	83.73	74.52	63.14	11.37	6.552		
1,110.48	1,099.71	1,107.47	1,102.55	5.80	5.70	-127.67	27.72	85.10	75.94	64.50	11.43	6.641		
1,200.00	1,185.67	1,204.26	1,190.04	6.20	6.07	-133.14	27.42	96.85	88.61	76.45	12.16	7.287		
1,300.00	1,281.70	1,305.64	1,287.78	6.67	6.47	-137.63	27.07	109.97	103.45	90.49	12.96	7.981		
1,400.00	1,377.72	1,407.03	1,385.51	7.16	6.88	-140.98	26.73	123.10	118.76	104.98	13.78	8.616		
1,500.00	1,473.75	1,508.42	1,483.24	7.66	7.29	-143.57	26.39	136.22	134.38	119.76	14.62	9.191		
1,600.00	1,569.77	1,609.81	1,580.98	8.17	7.72	-145.61	26.04	149.34	150.21	134.74	15.47	9.709		
1,700.00	1,665.80	1,688.80	1,678.71	8.69	8.05	-147.26	25.70	162.47	166.19	149.95	16.24	10.233		
1,800.00	1,761.82	1,787.42	1,776.45	9.22	8.47	-148.62	25.35	175.59	182.29	165.19	17.10	10.659		
1,900.00	1,857.85	1,886.03	1,874.18	9.76	8.90	-149.76	25.01	188.71	198.46	180.50	17.97	11.045		
2,000.00	1,953.87	1,984.64	1,971.92	10.30	9.32	-150.73	24.67	201.83	214.71	195.86	18.85	11.393		
2,100.00	2,049.90	2,083.25	2,069.65	10.84	9.75	-151.57	24.32	214.96	231.00	211.27	19.73	11.710		
2,200.00	2,145.92	2,181.86	2,167.38	11.39	10.19	-152.29	23.98	228.08	247.34	226.72	20.62	11.997		
2,300.00	2,241.94	2,280.48	2,265.12	11.95	10.62	-152.92	23.64	241.20	263.71	242.20	21.51	12.260		
2,400.00	2,337.97	2,379.09	2,362.85	12.50	11.06	-153.48	23.29	254.33	280.10	257.70	22.41	12.501		
2,500.00	2,433.99	2,477.70	2,460.59	13.06	11.50	-153.98	22.95	267.45	296.52	273.21	23.31	12.722		
2,600.00	2,530.02	2,576.31	2,558.32	13.63	11.94	-154.42	22.61	280.57	312.96	288.75	24.21	12.925		
2,700.00	2,626.04	2,674.92	2,656.05	14.19	12.38	-154.83	22.26	293.69	329.42	304.29	25.12	13.113		
2,800.00	2,722.07	2,773.53	2,753.79	14.76	12.83	-155.19	21.92	306.82	345.89	319.85	26.03	13.287		
2,900.00	2,818.09	2,872.15	2,851.52	15.32	13.27	-155.52	21.57	319.94	362.37	335.42	26.95	13.448		
3,000.00	2,914.12	2,970.76	2,949.26	15.89	13.72	-155.82	21.23	333.06	378.86	351.00	27.86	13.598		
3,100.00	3,010.14	3,069.37	3,046.99	16.46	14.16	-156.09	20.89	346.19	395.36	366.58	28.78	13.738		
3,200.00	3,106.17	3,167.98	3,144.73	17.03	14.61	-156.35	20.54	359.31	411.87	382.17	29.70	13.869		
3,298.02	3,200.29	3,264.64	3,240.52	17.59	15.05	-156.58	20.21	372.17	428.06	397.46	30.60	13.988		
3,300.00	3,202.19	3,266.59	3,242.46	17.60	15.06	-156.59	20.20	372.43	428.39	397.77	30.62	13.991		
3,400.00	3,298.70	3,365.47	3,340.46	18.16	15.51	-156.83	19.86	385.59	443.27	411.73	31.54	14.055		
3,500.00	3,396.07	3,464.78	3,438.88	18.68	15.96	-156.86	19.51	398.80	454.96	422.51	32.45	14.019		
3,600.00	3,494.17	3,564.40	3,537.61	19.18	16.42	-156.70	19.16	412.06	463.47	430.11	33.36	13.893		
3,700.00	3,592.88	3,664.20	3,636.53	19.64	16.87	-156.36	18.81	425.34	468.80	434.53	34.26	13.682		
3,800.00	3,692.10	3,764.07	3,735.51	20.08	17.33	-155.82	18.47	438.63	470.96	435.80	35.16	13.396		
3,900.00	3,791.69	3,863.88	3,834.43	20.49	17.79	-155.09	18.12	451.92	469.99	433.95	36.04	13.040		
4,000.00	3,891.53	3,963.52	3,933.18	20.88	18.25	-154.14	17.77	465.17	465.96	429.04	36.92	12.620		
4,108.50	4,000.00	4,071.28	4,039.98	21.27	18.74	-39.20	17.40	479.51	458.21	420.35	37.86	12.104		
4,200.00	4,091.50	4,161.96	4,129.86	21.58	19.16	-38.03	17.08	491.58	450.32	411.68	38.64	11.655		
4,300.00	4,191.50	4,261.07	4,228.09	21.92	19.61	-36.70	16.73	504.77	441.92	402.42	39.50	11.188		
4,400.00	4,291.50	4,360.18	4,326.31	22.27	20.07	-35.33	16.39	517.96	433.77	393.40	40.37	10.746		
4,500.00	4,391.50	4,459.29	4,424.54	22.62	20.52	-33.91	16.04	531.15	425.88	384.64	41.24	10.327		
4,600.00	4,491.50	4,558.40	4,522.77	22.97	20.98	-32.43	15.70	544.34	418.26	376.14	42.12	9.931		
4,700.00	4,591.50	4,657.51	4,621.00	23.33	21.44	-30.90	15.35	557.53	410.93	367.93	43.00	9.556		
4,800.00	4,691.50	4,756.62	4,719.23	23.69	21.89	-29.31	15.01	570.72	403.91	360.01	43.90	9.202		
4,900.00	4,791.50	4,855.73	4,817.45	24.05	22.35	-27.68	14.66	583.91	397.21	352.41	44.79	8.868		

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 13C-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 13C-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	4,891.50	4,954.84	4,915.68	24.42	22.81	-25.98	14.32	597.10	390.85	345.15	45.70	8.553		
5,100.00	4,991.50	5,053.95	5,013.91	24.78	23.27	-24.24	13.97	610.28	384.84	338.24	46.60	8.258		
5,200.00	5,091.50	5,153.06	5,112.14	25.15	23.72	-22.44	13.63	623.47	379.21	331.69	47.52	7.980		
5,300.00	5,191.50	5,252.17	5,210.37	25.53	24.18	-20.59	13.28	636.66	373.96	325.53	48.44	7.721		
5,400.00	5,291.50	5,351.28	5,308.59	25.90	24.64	-18.69	12.94	649.85	369.12	319.77	49.36	7.479		
5,500.00	5,391.50	5,450.39	5,406.82	26.28	25.10	-16.74	12.59	663.04	364.71	314.42	50.28	7.253		
5,600.00	5,491.50	5,549.50	5,505.05	26.65	25.56	-14.75	12.25	676.23	360.73	309.52	51.21	7.044		
5,700.00	5,591.50	5,648.61	5,603.28	27.03	26.02	-12.72	11.90	689.42	357.20	305.06	52.14	6.851		
5,800.00	5,691.50	5,747.72	5,701.51	27.41	26.48	-10.64	11.55	702.61	354.14	301.07	53.07	6.673		
5,900.00	5,791.50	5,846.83	5,799.73	27.80	26.93	-8.54	11.21	715.80	351.55	297.55	54.00	6.510		
6,000.00	5,891.50	5,945.94	5,897.96	28.18	27.39	-6.41	10.86	728.99	349.46	294.53	54.93	6.362		
6,100.00	5,991.50	6,045.05	5,996.19	28.57	27.85	-4.26	10.52	742.18	347.86	292.00	55.86	6.228		
6,200.00	6,091.50	6,144.16	6,094.42	28.96	28.31	-2.09	10.17	755.37	346.77	289.98	56.78	6.107		
6,300.00	6,191.50	6,243.27	6,192.64	29.35	28.77	0.09	9.83	768.55	346.18	288.47	57.71	5.999		
6,364.48	6,255.98	6,307.18	6,255.98	29.60	29.07	1.50	9.60	777.06	346.07	287.77	58.30	5.936		
6,400.00	6,291.50	6,342.38	6,290.87	29.74	29.23	2.28	9.48	781.74	346.11	287.48	58.62	5.904		
6,500.00	6,391.50	6,441.49	6,389.10	30.13	29.69	4.46	9.14	794.93	346.54	287.01	59.54	5.821		
6,600.00	6,491.50	6,546.08	6,493.13	30.52	30.16	6.12	8.84	804.96	346.97	286.52	60.45	5.739		
6,639.95	6,531.45	6,589.29	6,536.33	30.68	30.33	6.04	8.29	804.48	346.59	285.81	60.78	5.702		
6,650.00	6,541.50	6,600.14	6,547.16	30.72	30.37	97.83	8.18	803.90	346.45	285.59	60.86	5.692		
6,700.00	6,591.41	6,653.97	6,600.69	30.90	30.57	97.46	7.57	798.29	345.73	284.50	61.23	5.646		
6,750.00	6,640.95	6,707.55	6,653.29	31.09	30.77	97.05	6.83	788.24	344.99	283.39	61.60	5.600		
6,800.00	6,689.82	6,760.85	6,704.60	31.29	30.97	96.59	5.96	773.89	344.25	282.27	61.98	5.554		
6,850.00	6,737.71	6,813.85	6,754.25	31.49	31.17	96.08	4.96	755.42	343.51	281.14	62.37	5.508		
6,900.00	6,784.33	6,866.54	6,801.92	31.70	31.38	95.54	3.85	733.03	342.79	280.01	62.77	5.461		
6,950.00	6,829.39	6,918.90	6,847.29	31.92	31.60	94.96	2.64	706.96	342.10	278.89	63.20	5.413		
7,000.00	6,872.61	6,970.92	6,890.09	32.15	31.83	94.34	1.34	677.45	341.45	277.78	63.66	5.363		
7,050.00	6,913.73	7,022.59	6,930.08	32.41	32.08	93.71	-0.05	644.78	340.85	276.69	64.16	5.313		
7,100.00	6,952.49	7,073.91	6,967.04	32.68	32.34	93.04	-1.50	609.23	340.30	275.61	64.70	5.260		
7,150.00	6,988.66	7,124.87	7,000.79	32.98	32.63	92.36	-3.01	571.09	339.83	274.54	65.28	5.205		
7,200.00	7,022.01	7,175.49	7,031.19	33.31	32.94	91.66	-4.57	530.67	339.42	273.50	65.93	5.149		
7,250.00	7,052.33	7,225.75	7,058.10	33.67	33.29	90.96	-6.17	488.26	339.10	272.47	66.63	5.089		
7,300.00	7,079.44	7,275.67	7,081.43	34.07	33.67	90.25	-7.80	444.17	338.85	271.45	67.40	5.028		
7,350.00	7,103.17	7,325.26	7,101.11	34.51	34.08	89.54	-9.44	398.70	338.69	270.45	68.24	4.963		
7,400.00	7,123.38	7,374.52	7,117.10	34.98	34.53	88.84	-11.09	352.15	338.60	269.46	69.14	4.897		
7,428.10	7,133.14	7,402.06	7,124.45	35.27	34.80	88.44	-12.01	325.63	338.59	268.91	69.68	4.859		
7,450.00	7,139.94	7,423.46	7,129.37	35.50	35.02	88.14	-12.73	304.81	338.60	268.48	70.12	4.829		
7,500.00	7,152.75	7,472.10	7,137.93	36.05	35.54	87.46	-14.36	256.97	338.67	267.51	71.15	4.760		
7,550.00	7,161.73	7,520.44	7,142.79	36.64	36.08	86.79	-15.97	208.91	338.81	266.56	72.25	4.690		
7,600.00	7,166.82	7,568.54	7,143.99	37.26	36.64	86.15	-17.55	160.86	339.02	265.64	73.39	4.620		
7,649.14	7,168.00	7,617.63	7,143.42	37.89	37.27	85.84	-19.15	111.80	339.13	264.51	74.62	4.545		
7,700.00	7,167.27	7,668.50	7,142.82	38.57	37.95	85.87	-20.80	60.97	339.11	263.10	76.00	4.462		
7,800.00	7,165.83	7,768.50	7,141.66	40.04	39.41	85.91	-24.06	-38.97	339.06	260.11	78.96	4.294		
7,900.00	7,164.38	7,868.50	7,140.50	41.66	41.01	85.96	-27.32	-138.91	339.02	256.82	82.20	4.125		
8,000.00	7,162.94	7,968.50	7,139.33	43.40	42.74	86.01	-30.57	-238.85	338.97	253.28	85.69	3.956		
8,100.00	7,161.50	8,068.50	7,138.17	45.26	44.59	86.05	-33.83	-338.79	338.93	249.52	89.41	3.791		
8,200.00	7,160.05	8,168.50	7,137.01	47.21	46.53	86.10	-37.09	-438.73	338.88	245.56	93.33	3.631		
8,300.00	7,158.61	8,268.49	7,135.84	49.26	48.57	86.15	-40.34	-538.67	338.84	241.42	97.42	3.478		
8,400.00	7,157.17	8,368.49	7,134.68	51.38	50.68	86.19	-43.60	-638.61	338.79	237.13	101.66	3.332		
8,500.00	7,155.73	8,468.49	7,133.52	53.57	52.87	86.24	-46.86	-738.55	338.75	232.71	106.04	3.194		
8,600.00	7,154.28	8,568.49	7,132.36	55.82	55.11	86.29	-50.11	-838.49	338.71	228.16	110.54	3.064		
8,700.00	7,152.84	8,668.49	7,131.19	58.12	57.41	86.34	-53.37	-938.43	338.66	223.52	115.15	2.941		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,151.40	8,768.49	7,130.03	60.47	59.75	86.38	-56.63	-1,038.37	338.62	218.78	119.84	2.826		
8,900.00	7,149.95	8,868.49	7,128.87	62.86	62.13	86.43	-59.88	-1,138.31	338.58	213.95	124.62	2.717		
9,000.00	7,148.51	8,968.49	7,127.70	65.28	64.56	86.48	-63.14	-1,238.25	338.53	209.06	129.48	2.615		
9,100.00	7,147.07	9,068.49	7,126.54	67.74	67.01	86.52	-66.40	-1,338.19	338.49	204.10	134.39	2.519		
9,200.00	7,145.62	9,168.49	7,125.38	70.23	69.50	86.57	-69.65	-1,438.13	338.45	199.08	139.37	2.428		
9,300.00	7,144.18	9,268.49	7,124.21	72.74	72.01	86.62	-72.91	-1,538.07	338.41	194.01	144.40	2.344		
9,400.00	7,142.74	9,368.49	7,123.05	75.28	74.54	86.66	-76.17	-1,638.01	338.36	188.89	149.48	2.264		
9,500.00	7,141.29	9,468.49	7,121.89	77.84	77.10	86.71	-79.42	-1,737.95	338.32	183.72	154.60	2.188		
9,600.00	7,139.85	9,568.49	7,120.72	80.42	79.68	86.76	-82.68	-1,837.89	338.28	178.52	159.76	2.117		
9,700.00	7,138.41	9,668.49	7,119.56	83.01	82.27	86.81	-85.94	-1,937.83	338.24	173.29	164.95	2.051		
9,800.00	7,136.97	9,768.49	7,118.40	85.62	84.88	86.85	-89.19	-2,037.77	338.20	168.02	170.17	1.987		
9,900.00	7,135.52	9,868.49	7,117.23	88.25	87.51	86.90	-92.45	-2,137.71	338.16	162.73	175.43	1.928		
10,000.00	7,134.08	9,968.49	7,116.07	90.89	90.14	86.95	-95.71	-2,237.65	338.12	157.41	180.71	1.871		
10,100.00	7,132.64	10,068.49	7,114.91	93.54	92.79	86.99	-98.96	-2,337.59	338.08	152.06	186.01	1.817		
10,200.00	7,131.19	10,168.49	7,113.74	96.20	95.45	87.04	-102.22	-2,437.53	338.04	146.69	191.34	1.767		
10,300.00	7,129.75	10,268.49	7,112.58	98.87	98.13	87.09	-105.48	-2,537.47	338.00	141.31	196.69	1.718		
10,400.00	7,128.31	10,368.49	7,111.42	101.55	100.81	87.14	-108.73	-2,637.41	337.96	135.90	202.06	1.673		
10,500.00	7,126.86	10,468.49	7,110.25	104.24	103.50	87.18	-111.99	-2,737.35	337.92	130.48	207.44	1.629		
10,600.00	7,125.42	10,568.49	7,109.09	106.94	106.19	87.23	-115.25	-2,837.29	337.88	125.04	212.84	1.587		
10,700.00	7,123.98	10,668.49	7,107.93	109.64	108.90	87.28	-118.50	-2,937.23	337.84	119.58	218.26	1.548		
10,800.00	7,122.53	10,768.49	7,106.76	112.36	111.61	87.32	-121.76	-3,037.17	337.80	114.12	223.68	1.510		
10,900.00	7,121.09	10,868.48	7,105.60	115.08	114.33	87.37	-125.02	-3,137.11	337.76	108.63	229.13	1.474 Level 3		
11,000.00	7,119.65	10,968.48	7,104.44	117.80	117.05	87.42	-128.27	-3,237.05	337.72	103.14	234.58	1.440 Level 3		
11,100.00	7,118.20	11,068.48	7,103.28	120.53	119.78	87.47	-131.53	-3,336.99	337.68	97.64	240.04	1.407 Level 3		
11,200.00	7,116.76	11,168.48	7,102.11	123.26	122.52	87.51	-134.79	-3,436.93	337.65	92.13	245.52	1.375 Level 3		
11,300.00	7,115.32	11,268.48	7,100.95	126.00	125.26	87.56	-138.04	-3,536.87	337.61	86.60	251.01	1.345 Level 3		
11,400.00	7,113.88	11,368.48	7,099.79	128.75	128.00	87.61	-141.30	-3,636.81	337.57	81.07	256.50	1.316 Level 3		
11,500.00	7,112.43	11,468.48	7,098.62	131.50	130.75	87.66	-144.56	-3,736.75	337.53	75.53	262.00	1.288 Level 3		
11,600.00	7,110.99	11,568.48	7,097.46	134.25	133.50	87.70	-147.81	-3,836.69	337.50	69.98	267.51	1.262 Level 3		
11,700.00	7,109.55	11,668.48	7,096.30	137.01	136.26	87.75	-151.07	-3,936.63	337.46	64.43	273.03	1.236 Level 2		
11,800.00	7,108.10	11,768.48	7,095.13	139.77	139.02	87.80	-154.33	-4,036.57	337.42	58.87	278.56	1.211 Level 2		
11,900.00	7,106.66	11,868.48	7,093.97	142.53	141.78	87.84	-157.58	-4,136.50	337.39	53.30	284.09	1.188 Level 2		
12,000.00	7,105.22	11,968.48	7,092.81	145.30	144.55	87.89	-160.84	-4,236.44	337.35	47.72	289.63	1.165 Level 2		
12,100.00	7,103.77	12,068.48	7,091.64	148.06	147.32	87.94	-164.10	-4,336.38	337.32	42.14	295.17	1.143 Level 2		
12,200.00	7,102.33	12,168.48	7,090.48	150.84	150.09	87.99	-167.35	-4,436.32	337.28	36.56	300.72	1.122 Level 2		
12,300.00	7,100.89	12,268.48	7,089.32	153.61	152.86	88.03	-170.61	-4,536.26	337.24	30.97	306.28	1.101 Level 2		
12,400.00	7,099.44	12,368.48	7,088.15	156.39	155.64	88.08	-173.87	-4,636.20	337.21	25.37	311.84	1.081 Level 2		
12,500.00	7,098.00	12,468.48	7,086.99	159.17	158.42	88.13	-177.12	-4,736.14	337.17	19.77	317.40	1.062 Level 2		
12,600.00	7,096.56	12,568.48	7,085.83	161.95	161.20	88.18	-180.38	-4,836.08	337.14	14.17	322.97	1.044 Level 2		
12,700.00	7,095.12	12,668.48	7,084.66	164.73	163.98	88.22	-183.64	-4,936.02	337.11	8.56	328.55	1.026 Level 2		
12,800.00	7,093.67	12,768.48	7,083.50	167.52	166.77	88.27	-186.89	-5,035.96	337.07	2.95	334.13	1.009 Level 2		
12,900.00	7,092.23	12,868.48	7,082.34	170.31	169.56	88.32	-190.15	-5,135.90	337.04	-2.67	339.71	0.992 Level 1		
13,000.00	7,090.79	12,968.48	7,081.17	173.09	172.35	88.37	-193.41	-5,235.84	337.00	-8.29	345.29	0.976 Level 1		
13,100.00	7,089.34	13,068.48	7,080.01	175.89	175.14	88.41	-196.66	-5,335.78	336.97	-13.91	350.88	0.960 Level 1		
13,200.00	7,087.90	13,168.48	7,078.85	178.68	177.93	88.46	-199.92	-5,435.72	336.94	-19.54	356.47	0.945 Level 1		
13,300.00	7,086.46	13,268.48	7,077.68	181.47	180.73	88.51	-203.18	-5,535.66	336.90	-25.16	362.07	0.930 Level 1		
13,400.00	7,085.01	13,368.47	7,076.52	184.27	183.52	88.56	-206.43	-5,635.60	336.87	-30.80	367.67	0.916 Level 1		
13,500.00	7,083.57	13,468.47	7,075.36	187.07	186.32	88.60	-209.69	-5,735.54	336.84	-36.43	373.27	0.902 Level 1		
13,600.00	7,082.13	13,568.47	7,074.20	189.86	189.12	88.65	-212.95	-5,835.48	336.81	-42.07	378.87	0.889 Level 1		
13,700.00	7,080.68	13,668.47	7,073.03	192.66	191.92	88.70	-216.20	-5,935.42	336.77	-47.70	384.48	0.876 Level 1		
13,800.00	7,079.24	13,768.47	7,071.87	195.47	194.72	88.75	-219.46	-6,035.36	336.74	-53.34	390.09	0.863 Level 1		
13,900.00	7,077.80	13,868.47	7,070.71	198.27	197.52	88.79	-222.72	-6,135.30	336.71	-58.99	395.70	0.851 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 13C-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 13C-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	7,076.36	13,968.47	7,069.54	201.07	200.33	88.84	-225.97	-6,235.24	336.68	-64.63	401.31	0.839 Level 1		
14,100.00	7,074.91	14,068.47	7,068.38	203.88	203.13	88.89	-229.23	-6,335.18	336.65	-70.28	406.93	0.827 Level 1		
14,200.00	7,073.47	14,168.47	7,067.22	206.68	205.94	88.94	-232.49	-6,435.12	336.62	-75.93	412.54	0.816 Level 1		
14,300.00	7,072.03	14,268.47	7,066.05	209.49	208.74	88.98	-235.74	-6,535.06	336.59	-81.58	418.16	0.805 Level 1		
14,400.00	7,070.58	14,368.47	7,064.89	212.30	211.55	89.03	-239.00	-6,635.00	336.56	-87.23	423.78	0.794 Level 1		
14,500.00	7,069.14	14,468.47	7,063.73	215.11	214.36	89.08	-242.26	-6,734.94	336.53	-92.88	429.41	0.784 Level 1		
14,600.00	7,067.70	14,568.47	7,062.56	217.92	217.17	89.13	-245.51	-6,834.88	336.50	-98.53	435.03	0.773 Level 1		
14,700.00	7,066.25	14,668.47	7,061.40	220.73	219.98	89.17	-248.77	-6,934.82	336.47	-104.19	440.66	0.764 Level 1		
14,800.00	7,064.81	14,768.47	7,060.24	223.54	222.79	89.22	-252.03	-7,034.76	336.44	-109.85	446.28	0.754 Level 1		
14,900.00	7,063.37	14,868.47	7,059.07	226.35	225.60	89.27	-255.28	-7,134.70	336.41	-115.51	451.91	0.744 Level 1		
15,000.00	7,061.92	14,968.47	7,057.91	229.16	228.42	89.32	-258.54	-7,234.64	336.38	-121.16	457.54	0.735 Level 1		
15,100.00	7,060.48	15,068.47	7,056.75	231.98	231.23	89.36	-261.80	-7,334.58	336.35	-126.82	463.17	0.726 Level 1		
15,200.00	7,059.04	15,168.47	7,055.58	234.79	234.05	89.41	-265.05	-7,434.52	336.32	-132.49	468.81	0.717 Level 1		
15,300.00	7,057.60	15,268.47	7,054.42	237.61	236.86	89.46	-268.31	-7,534.46	336.29	-138.15	474.44	0.709 Level 1		
15,400.00	7,056.15	15,368.47	7,053.26	240.42	239.68	89.51	-271.57	-7,634.40	336.26	-143.81	480.07	0.700 Level 1		
15,500.00	7,054.71	15,468.47	7,052.09	243.24	242.49	89.55	-274.82	-7,734.34	336.24	-149.48	485.71	0.692 Level 1		
15,600.00	7,053.27	15,568.47	7,050.93	246.05	245.31	89.60	-278.08	-7,834.28	336.21	-155.14	491.35	0.684 Level 1		
15,682.97	7,052.07	15,651.43	7,049.97	248.39	247.65	89.64	-280.78	-7,917.19	336.18	-159.84	496.02	0.678 Level 1, ES, SF		
15,687.75	7,052.00	15,648.52	7,050.00	248.53	247.57	89.64	-280.69	-7,914.29	336.27	-159.72	495.99	0.678 Level 1		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	5.68	44.81	4.45	45.03					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.81	4.45	45.03	38.46	6.57	6.854		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.81	4.45	45.03	38.36	6.67	6.747 CC, ES		
300.00	300.00	299.36	299.34	3.44	3.44	7.67	45.31	6.10	45.72	38.83	6.89	6.637		
400.00	399.98	398.56	398.40	3.60	3.60	-102.34	46.80	11.04	48.46	41.25	7.21	6.725		
500.00	499.84	497.52	496.98	3.79	3.81	-99.58	49.28	19.23	53.72	46.10	7.62	7.052		
600.00	599.45	596.17	594.91	4.03	4.07	-97.77	52.74	30.63	61.40	53.28	8.12	7.561		
700.00	698.70	694.42	691.97	4.30	4.38	-96.79	57.15	45.19	71.42	62.71	8.71	8.201		
800.00	797.47	807.51	788.28	4.61	4.81	-96.42	62.49	62.83	83.69	74.26	9.43	8.875		
900.00	895.62	908.43	885.37	4.96	5.24	-97.56	68.22	81.73	97.01	86.83	10.17	9.535		
1,000.00	993.06	1,009.55	982.28	5.34	5.71	-100.14	73.93	100.59	110.94	99.95	10.99	10.093		
1,100.00	1,089.64	1,089.02	1,078.87	5.75	6.10	-103.63	79.63	119.39	125.87	114.09	11.78	10.689		
1,110.48	1,099.71	1,100.67	1,088.97	5.80	6.15	-104.03	80.22	121.36	127.51	115.63	11.88	10.736		
1,200.00	1,185.67	1,187.35	1,175.23	6.20	6.59	-107.37	85.31	138.14	141.83	129.13	12.70	11.169		
1,300.00	1,281.70	1,285.68	1,271.59	6.67	7.10	-110.39	90.99	156.90	158.28	144.62	13.65	11.591		
1,400.00	1,377.72	1,384.01	1,367.94	7.16	7.62	-112.84	96.67	175.65	175.07	160.43	14.64	11.960		
1,500.00	1,473.75	1,482.34	1,464.30	7.66	8.15	-114.86	102.35	194.41	192.13	176.48	15.64	12.283		
1,600.00	1,569.77	1,580.67	1,560.65	8.17	8.69	-116.54	108.03	213.16	209.37	192.71	16.66	12.567		
1,700.00	1,665.80	1,679.00	1,657.01	8.69	9.24	-117.98	113.71	231.92	226.77	209.08	17.69	12.816		
1,800.00	1,761.82	1,777.33	1,753.37	9.22	9.80	-119.20	119.39	250.67	244.29	225.55	18.74	13.037		
1,900.00	1,857.85	1,875.65	1,849.72	9.76	10.35	-120.26	125.07	269.42	261.90	242.11	19.79	13.233		
2,000.00	1,953.87	1,973.98	1,946.08	10.30	10.91	-121.19	130.75	288.18	279.59	258.73	20.85	13.409		
2,100.00	2,049.90	2,072.31	2,042.44	10.84	11.48	-122.01	136.44	306.93	297.34	275.42	21.92	13.566		
2,200.00	2,145.92	2,170.64	2,138.79	11.39	12.05	-122.74	142.12	325.69	315.14	292.15	22.99	13.707		
2,300.00	2,241.94	2,268.97	2,235.15	11.95	12.62	-123.39	147.80	344.44	332.98	308.92	24.07	13.835		
2,400.00	2,337.97	2,367.30	2,331.50	12.50	13.19	-123.97	153.48	363.20	350.87	325.72	25.15	13.952		
2,500.00	2,433.99	2,465.63	2,427.86	13.06	13.77	-124.49	159.16	381.95	368.78	342.55	26.23	14.057		
2,600.00	2,530.02	2,563.95	2,524.22	13.63	14.34	-124.97	164.84	400.70	386.72	359.40	27.32	14.154		
2,700.00	2,626.04	2,662.28	2,620.57	14.19	14.92	-125.41	170.52	419.46	404.69	376.28	28.41	14.243		
2,800.00	2,722.07	2,760.61	2,716.93	14.76	15.50	-125.80	176.20	438.21	422.67	393.17	29.51	14.325		
2,900.00	2,818.09	2,858.94	2,813.28	15.32	16.08	-126.17	181.88	456.97	440.68	410.08	30.60	14.400		
3,000.00	2,914.12	2,957.27	2,909.64	15.89	16.66	-126.51	187.57	475.72	458.70	427.00	31.70	14.470		
3,100.00	3,010.14	3,055.60	3,006.00	16.46	17.24	-126.82	193.25	494.48	476.73	443.93	32.80	14.535		
3,200.00	3,106.17	3,153.93	3,102.35	17.03	17.83	-127.11	198.93	513.23	494.78	460.88	33.90	14.595		
3,298.02	3,200.29	3,250.31	3,196.80	17.59	18.40	-127.37	204.50	531.61	512.48	477.50	34.98	14.650		
3,300.00	3,202.19	3,252.25	3,198.71	17.60	18.41	-127.38	204.61	531.98	512.84	477.84	35.00	14.651		
3,400.00	3,298.70	3,350.79	3,295.27	18.16	19.00	-127.75	210.30	550.78	529.82	493.72	36.10	14.676		
3,500.00	3,396.07	3,449.66	3,392.15	18.68	19.59	-127.78	216.01	569.63	544.69	507.50	37.19	14.647		
3,600.00	3,494.17	3,548.73	3,489.23	19.18	20.18	-127.50	221.74	588.53	557.47	519.20	38.26	14.569		
3,700.00	3,592.88	3,647.88	3,586.40	19.64	20.77	-126.93	227.47	607.44	568.20	528.87	39.33	14.447		
3,800.00	3,692.10	3,746.99	3,683.52	20.08	21.36	-126.08	233.19	626.35	576.98	536.60	40.38	14.288		
3,900.00	3,791.69	3,845.95	3,780.49	20.49	21.95	-124.96	238.91	645.22	583.93	542.51	41.42	14.099		
4,000.00	3,891.53	3,944.62	3,877.19	20.88	22.54	-123.57	244.61	664.04	589.22	546.79	42.43	13.886		
4,108.50	4,000.00	4,051.23	3,981.66	21.27	23.18	-8.11	250.77	684.37	593.33	549.83	43.50	13.639		
4,200.00	4,091.50	4,140.90	4,069.53	21.58	23.72	-6.41	255.95	701.48	596.43	552.05	44.38	13.438		
4,300.00	4,191.50	4,238.89	4,165.56	21.92	24.30	-4.57	261.61	720.17	600.43	555.10	45.34	13.244		
4,400.00	4,291.50	4,336.89	4,261.59	22.27	24.89	-2.76	267.27	738.86	605.07	558.79	46.28	13.075		
4,500.00	4,391.50	4,434.88	4,357.61	22.62	25.48	-0.98	272.94	757.55	610.32	563.11	47.20	12.929		
4,600.00	4,491.50	4,534.65	4,455.41	22.97	26.07	0.79	278.66	776.46	616.13	567.99	48.14	12.800		
4,700.00	4,591.50	4,640.50	4,559.68	23.33	26.66	2.39	283.94	793.87	621.64	572.56	49.09	12.664		
4,800.00	4,691.50	4,747.58	4,665.77	23.69	27.21	3.64	288.14	807.73	626.28	576.28	49.99	12.527		
4,900.00	4,791.50	4,855.61	4,773.27	24.05	27.70	4.54	291.20	817.85	629.79	578.94	50.85	12.385		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	4,964.29	4,881.74	24.42	28.14	5.09	293.10	824.12	632.02	580.36	51.66	12.233		
5,100.00	4,991.50	5,073.31	4,990.73	24.78	28.54	5.30	293.80	826.44	632.86	580.43	52.43	12.070		
5,200.00	5,091.50	5,174.08	5,091.50	25.15	28.87	5.30	293.81	826.45	632.86	579.72	53.14	11.908		
5,300.00	5,191.50	5,274.08	5,191.50	25.53	29.20	5.30	293.81	826.45	632.86	579.01	53.86	11.751		
5,400.00	5,291.50	5,374.08	5,291.50	25.90	29.53	5.30	293.81	826.45	632.86	578.29	54.58	11.596		
5,500.00	5,391.50	5,474.08	5,391.50	26.28	29.87	5.30	293.81	826.45	632.86	577.56	55.30	11.444		
5,600.00	5,491.50	5,574.08	5,491.50	26.65	30.21	5.30	293.81	826.45	632.86	576.84	56.03	11.296		
5,700.00	5,591.50	5,674.08	5,591.50	27.03	30.55	5.30	293.81	826.45	632.86	576.11	56.76	11.150		
5,800.00	5,691.50	5,774.08	5,691.50	27.41	30.89	5.30	293.81	826.45	632.86	575.37	57.49	11.007		
5,900.00	5,791.50	5,874.08	5,791.50	27.80	31.24	5.30	293.81	826.45	632.86	574.63	58.23	10.868		
6,000.00	5,891.50	5,974.08	5,891.50	28.18	31.59	5.30	293.81	826.45	632.86	573.89	58.98	10.731		
6,100.00	5,991.50	6,074.08	5,991.50	28.57	31.94	5.30	293.81	826.45	632.86	573.14	59.72	10.597		
6,200.00	6,091.50	6,174.08	6,091.50	28.96	32.29	5.30	293.81	826.45	632.86	572.39	60.47	10.465		
6,300.00	6,191.50	6,274.08	6,191.50	29.35	32.64	5.30	293.81	826.45	632.86	571.64	61.23	10.336		
6,400.00	6,291.50	6,374.08	6,291.50	29.74	33.00	5.30	293.81	826.45	632.86	570.88	61.98	10.210		
6,500.00	6,391.50	6,474.08	6,391.50	30.13	33.36	5.30	293.81	826.45	632.86	570.12	62.74	10.086		
6,600.00	6,491.50	6,574.08	6,491.50	30.52	33.72	4.42	293.41	816.67	631.78	568.31	63.47	9.954		
6,639.95	6,531.45	6,614.08	6,531.45	30.88	34.07	3.59	293.04	807.49	630.83	567.10	63.73	9.898		
6,650.00	6,541.50	6,624.08	6,541.50	30.72	33.79	95.23	292.93	804.77	630.58	566.78	63.80	9.884		
6,700.00	6,591.41	6,674.08	6,591.41	30.90	33.87	94.14	292.28	788.82	629.41	565.31	64.10	9.820		
6,750.00	6,640.95	6,724.08	6,640.95	31.09	33.93	93.04	291.47	769.17	628.44	564.06	64.38	9.761		
6,800.00	6,689.82	6,779.33	6,703.03	31.29	33.98	91.93	290.54	746.17	627.68	563.02	64.66	9.708		
6,850.00	6,737.71	6,829.32	6,745.72	31.49	34.03	90.82	289.48	720.19	627.13	562.21	64.93	9.659		
6,900.00	6,784.33	6,879.32	6,785.45	31.70	34.07	89.72	288.31	691.55	626.82	561.62	65.20	9.614		
6,946.19	6,826.01	6,927.76	6,819.47	31.90	34.12	88.71	287.15	663.02	626.72	561.27	65.45	9.575		
6,950.00	6,829.39	6,946.39	6,822.17	31.92	34.13	88.62	287.05	660.58	626.73	561.25	65.47	9.572		
7,000.00	6,872.61	6,993.58	6,855.84	32.15	34.19	87.55	285.70	627.56	626.85	561.09	65.75	9.533		
7,050.00	6,913.73	7,039.97	6,886.47	32.41	34.28	86.49	284.29	592.76	627.17	561.12	66.05	9.495		
7,100.00	6,952.49	7,085.61	6,914.05	32.68	34.39	85.46	282.81	556.45	627.68	561.30	66.38	9.456		
7,150.00	6,988.66	7,130.55	6,938.60	32.98	34.53	84.46	281.27	518.84	628.35	561.62	66.73	9.416		
7,200.00	7,022.01	7,174.86	6,960.14	33.31	34.71	83.50	279.70	480.16	629.16	562.04	67.13	9.373		
7,250.00	7,052.33	7,218.59	6,978.71	33.67	34.92	82.58	278.09	440.61	630.09	562.52	67.57	9.324		
7,300.00	7,079.44	7,261.79	6,994.35	34.07	35.17	81.70	276.45	400.39	631.10	563.02	68.08	9.270		
7,350.00	7,103.17	7,304.50	7,007.09	34.51	35.46	80.87	274.79	359.67	632.17	563.51	68.65	9.208		
7,400.00	7,123.38	7,346.77	7,016.98	34.98	35.79	80.09	273.11	318.61	633.26	563.95	69.31	9.137		
7,450.00	7,139.94	7,388.64	7,024.06	35.50	36.16	79.37	271.43	277.38	634.35	564.31	70.04	9.057		
7,500.00	7,152.75	7,430.16	7,028.40	36.05	36.56	78.70	269.75	236.13	635.42	564.57	70.85	8.968		
7,550.00	7,161.73	7,471.37	7,030.03	36.64	36.98	78.10	268.08	195.00	636.43	564.69	71.74	8.871		
7,600.00	7,166.82	7,518.44	7,029.57	37.26	37.53	77.57	266.16	147.97	637.19	564.40	72.79	8.754		
7,649.14	7,168.00	7,567.53	7,028.97	37.89	38.16	77.40	264.16	98.92	637.18	563.18	74.00	8.610		
7,700.00	7,167.27	7,618.39	7,028.34	38.57	38.86	77.40	262.09	48.11	636.74	561.37	75.37	8.448		
7,800.00	7,165.83	7,718.39	7,027.11	40.04	40.42	77.40	258.02	-51.80	635.87	557.50	78.38	8.113		
7,900.00	7,164.38	7,818.38	7,025.87	41.66	42.18	77.41	253.95	-151.70	635.01	553.29	81.72	7.771		
8,000.00	7,162.94	7,918.38	7,024.64	43.40	44.13	77.41	249.88	-251.61	634.14	548.79	85.35	7.430		
8,100.00	7,161.50	8,018.38	7,023.41	45.26	46.23	77.41	245.80	-351.51	633.27	544.02	89.25	7.096		
8,200.00	7,160.05	8,118.37	7,022.17	47.21	48.47	77.41	241.73	-451.42	632.41	539.03	93.38	6.773		
8,300.00	7,158.61	8,218.37	7,020.94	49.26	50.83	77.41	237.66	-551.33	631.54	533.84	97.70	6.464		
8,400.00	7,157.17	8,318.36	7,019.71	51.38	53.29	77.42	233.59	-651.23	630.67	528.48	102.20	6.171		
8,500.00	7,155.73	8,418.36	7,018.47	53.57	55.83	77.42	229.52	-751.14	629.81	522.96	106.85	5.894		
8,600.00	7,154.28	8,518.36	7,017.24	55.82	58.46	77.42	225.45	-851.04	628.94	517.31	111.63	5.634		
8,700.00	7,152.84	8,618.35	7,016.01	58.12	61.15	77.42	221.38	-950.95	628.07	511.54	116.53	5.390		
8,800.00	7,151.40	8,718.35	7,014.77	60.47	63.91	77.42	217.30	-1,050.85	627.21	505.68	121.53	5.161		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
8,900.00	7,149.95	8,818.35	7,013.54	62.86	66.71	77.43	213.23	-1,150.76	626.34	499.72	126.62	4.947			
9,000.00	7,148.51	8,918.34	7,012.30	65.28	69.56	77.43	209.16	-1,250.67	625.48	493.68	131.79	4.746			
9,100.00	7,147.07	9,018.34	7,011.07	67.74	72.45	77.43	205.09	-1,350.57	624.61	487.57	137.03	4.558			
9,200.00	7,145.62	9,118.33	7,009.84	70.23	75.37	77.43	201.02	-1,450.48	623.74	481.40	142.34	4.382			
9,300.00	7,144.18	9,218.33	7,008.60	72.74	78.33	77.43	196.95	-1,550.38	622.88	475.18	147.70	4.217			
9,400.00	7,142.74	9,318.33	7,007.37	75.28	81.31	77.44	192.88	-1,650.29	622.01	468.90	153.11	4.063			
9,500.00	7,141.29	9,418.32	7,006.14	77.84	84.32	77.44	188.81	-1,750.19	621.14	462.58	158.56	3.917			
9,600.00	7,139.85	9,518.32	7,004.90	80.42	87.35	77.44	184.73	-1,850.10	620.28	456.22	164.06	3.781			
9,700.00	7,138.41	9,618.32	7,003.67	83.01	90.40	77.44	180.66	-1,950.01	619.41	449.82	169.59	3.652			
9,800.00	7,136.97	9,718.31	7,002.44	85.62	93.47	77.44	176.59	-2,049.91	618.54	443.39	175.16	3.531			
9,900.00	7,135.52	9,818.31	7,001.20	88.25	96.55	77.45	172.52	-2,149.82	617.68	436.93	180.75	3.417			
10,000.00	7,134.08	9,918.30	6,999.97	90.89	99.65	77.45	168.45	-2,249.72	616.81	430.44	186.37	3.310			
10,100.00	7,132.64	10,018.30	6,998.73	93.54	102.77	77.45	164.38	-2,349.63	615.94	423.92	192.02	3.208			
10,200.00	7,131.19	10,118.30	6,997.50	96.20	105.89	77.45	160.31	-2,449.53	615.08	417.39	197.69	3.111			
10,300.00	7,129.75	10,218.29	6,996.27	98.87	109.03	77.45	156.23	-2,549.44	614.21	410.83	203.38	3.020			
10,400.00	7,128.31	10,318.29	6,995.03	101.55	112.18	77.46	152.16	-2,649.35	613.34	404.25	209.09	2.933			
10,500.00	7,126.86	10,418.29	6,993.80	104.24	115.33	77.46	148.09	-2,749.25	612.48	397.66	214.82	2.851			
10,600.00	7,125.42	10,518.28	6,992.57	106.94	118.50	77.46	144.02	-2,849.16	611.61	391.05	220.56	2.773			
10,700.00	7,123.98	10,618.28	6,991.33	109.64	121.67	77.46	139.95	-2,949.06	610.75	384.42	226.32	2.699			
10,800.00	7,122.53	10,718.27	6,990.10	112.36	124.85	77.46	135.88	-3,048.97	609.88	377.78	232.09	2.628			
10,900.00	7,121.09	10,818.27	6,988.87	115.08	128.04	77.47	131.81	-3,148.87	609.01	371.13	237.88	2.560			
11,000.00	7,119.65	10,918.27	6,987.63	117.80	131.24	77.47	127.73	-3,248.78	608.15	364.47	243.68	2.496			
11,100.00	7,118.20	11,018.26	6,986.40	120.53	134.44	77.47	123.66	-3,348.69	607.28	357.79	249.49	2.434			
11,200.00	7,116.76	11,118.26	6,985.17	123.26	137.64	77.47	119.59	-3,448.59	606.41	351.10	255.31	2.375			
11,300.00	7,115.32	11,218.26	6,983.93	126.00	140.85	77.47	115.52	-3,548.50	605.55	344.41	261.14	2.319			
11,400.00	7,113.88	11,318.25	6,982.70	128.75	144.07	77.48	111.45	-3,648.40	604.68	337.70	266.98	2.265			
11,500.00	7,112.43	11,418.25	6,981.46	131.50	147.29	77.48	107.38	-3,748.31	603.81	330.99	272.82	2.213			
11,600.00	7,110.99	11,518.24	6,980.23	134.25	150.51	77.48	103.31	-3,848.21	602.95	324.27	278.68	2.164			
11,700.00	7,109.55	11,618.24	6,979.00	137.01	153.74	77.48	99.24	-3,948.12	602.08	317.54	284.54	2.116			
11,800.00	7,108.10	11,718.24	6,977.76	139.77	156.97	77.48	95.16	-4,048.03	601.21	310.80	290.41	2.070			
11,900.00	7,106.66	11,818.23	6,976.53	142.53	160.21	77.49	91.09	-4,147.93	600.35	304.06	296.29	2.026			
12,000.00	7,105.22	11,918.23	6,975.30	145.30	163.45	77.49	87.02	-4,247.84	599.48	297.31	302.17	1.984			
12,100.00	7,103.77	12,018.23	6,974.06	148.06	166.69	77.49	82.95	-4,347.74	598.61	290.56	308.06	1.943			
12,200.00	7,102.33	12,118.22	6,972.83	150.84	169.93	77.49	78.88	-4,447.65	597.75	283.79	313.95	1.904			
12,300.00	7,100.89	12,218.22	6,971.60	153.61	173.18	77.50	74.81	-4,547.55	596.88	277.03	319.85	1.866			
12,400.00	7,099.44	12,318.21	6,970.36	156.39	176.43	77.50	70.74	-4,647.46	596.02	270.26	325.76	1.830			
12,500.00	7,098.00	12,418.21	6,969.13	159.17	179.68	77.50	66.66	-4,747.37	595.15	263.48	331.67	1.794			
12,600.00	7,096.56	12,518.21	6,967.89	161.95	182.94	77.50	62.59	-4,847.27	594.28	256.70	337.58	1.760			
12,700.00	7,095.12	12,618.20	6,966.66	164.73	186.20	77.50	58.52	-4,947.18	593.42	249.92	343.50	1.728			
12,800.00	7,093.67	12,718.20	6,965.43	167.52	189.45	77.51	54.45	-5,047.08	592.55	243.13	349.42	1.696			
12,900.00	7,092.23	12,818.20	6,964.19	170.31	192.72	77.51	50.38	-5,146.99	591.68	236.34	355.35	1.665			
13,000.00	7,090.79	12,918.19	6,962.96	173.09	195.98	77.51	46.31	-5,246.89	590.82	229.54	361.28	1.635			
13,100.00	7,089.34	13,018.19	6,961.73	175.89	199.24	77.51	42.24	-5,346.80	589.95	222.74	367.21	1.607			
13,200.00	7,087.90	13,118.18	6,960.49	178.68	202.51	77.51	38.16	-5,446.71	589.08	215.94	373.15	1.579			
13,300.00	7,086.46	13,218.18	6,959.26	181.47	205.78	77.52	34.09	-5,546.61	588.22	209.13	379.09	1.552			
13,400.00	7,085.01	13,318.18	6,958.03	184.27	209.05	77.52	30.02	-5,646.52	587.35	202.32	385.03	1.525			
13,500.00	7,083.57	13,418.17	6,956.79	187.07	212.32	77.52	25.95	-5,746.42	586.48	195.51	390.97	1.500			
13,600.00	7,082.13	13,518.17	6,955.56	189.86	215.59	77.52	21.88	-5,846.33	585.62	188.69	396.92	1.475 Level 3			
13,700.00	7,080.68	13,618.17	6,954.32	192.66	218.86	77.53	17.81	-5,946.23	584.75	181.88	402.87	1.451 Level 3			
13,800.00	7,079.24	13,718.16	6,953.09	195.47	222.14	77.53	13.74	-6,046.14	583.88	175.06	408.83	1.428 Level 3			
13,900.00	7,077.80	13,818.16	6,951.86	198.27	225.41	77.53	9.67	-6,146.05	583.02	168.23	414.78	1.406 Level 3			
14,000.00	7,076.36	13,918.15	6,950.62	201.07	228.69	77.53	5.59	-6,245.95	582.15	161.41	420.74	1.384 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 13C-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 13C-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		
14,100.00	7,074.91	14,018.15	6,949.39	203.88	231.97	77.53	1.52	-6,345.86	581.29	154.58	426.70	1.362	Level 3	
14,200.00	7,073.47	14,118.15	6,948.16	206.68	235.25	77.54	-2.55	-6,445.76	580.42	147.75	432.67	1.341	Level 3	
14,300.00	7,072.03	14,218.14	6,946.92	209.49	238.53	77.54	-6.62	-6,545.67	579.55	140.92	438.63	1.321	Level 3	
14,400.00	7,070.58	14,318.14	6,945.69	212.30	241.81	77.54	-10.69	-6,645.57	578.69	134.09	444.60	1.302	Level 3	
14,500.00	7,069.14	14,418.14	6,944.46	215.11	245.09	77.54	-14.76	-6,745.48	577.82	127.25	450.57	1.282	Level 3	
14,600.00	7,067.70	14,518.13	6,943.22	217.92	248.38	77.55	-18.83	-6,845.39	576.95	120.41	456.54	1.264	Level 3	
14,700.00	7,066.25	14,618.13	6,941.99	220.73	251.66	77.55	-22.91	-6,945.29	576.09	113.58	462.51	1.246	Level 2	
14,800.00	7,064.81	14,718.12	6,940.75	223.54	254.95	77.55	-26.98	-7,045.20	575.22	106.73	468.49	1.228	Level 2	
14,900.00	7,063.37	14,818.12	6,939.52	226.35	258.23	77.55	-31.05	-7,145.10	574.35	99.89	474.46	1.211	Level 2	
15,000.00	7,061.92	14,918.12	6,938.29	229.16	261.52	77.56	-35.12	-7,245.01	573.49	93.05	480.44	1.194	Level 2	
15,100.00	7,060.48	15,018.11	6,937.05	231.98	264.81	77.56	-39.19	-7,344.91	572.62	86.20	486.42	1.177	Level 2	
15,200.00	7,059.04	15,118.11	6,935.82	234.79	268.10	77.56	-43.26	-7,444.82	571.75	79.35	492.40	1.161	Level 2	
15,300.00	7,057.60	15,218.11	6,934.59	237.61	271.38	77.56	-47.33	-7,544.73	570.89	72.51	498.38	1.145	Level 2	
15,400.00	7,056.15	15,318.10	6,933.35	240.42	274.67	77.56	-51.41	-7,644.63	570.02	65.66	504.37	1.130	Level 2	
15,500.00	7,054.71	15,418.10	6,932.12	243.24	277.96	77.57	-55.48	-7,744.54	569.16	58.80	510.35	1.115	Level 2	
15,600.00	7,053.27	15,518.09	6,930.89	246.05	281.25	77.57	-59.55	-7,844.44	568.29	51.95	516.34	1.101	Level 2	
15,678.86	7,052.13	15,596.95	6,929.91	248.28	283.85	77.57	-62.76	-7,923.23	567.61	46.55	521.06	1.089	Level 2, SF	
15,687.75	7,052.00	15,589.88	6,930.00	248.53	283.62	77.57	-62.47	-7,916.17	567.75	46.71	521.04	1.090	Level 2	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-174.68	-29.87	-2.78	30.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-29.87	-2.78	30.00	23.43	6.57	4.567		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-29.87	-2.78	30.00	23.33	6.67	4.495		
300.00	300.00	300.00	300.00	3.44	3.44	-174.68	-29.87	-2.78	30.00	23.11	6.89	4.355 CC		
400.00	399.98	399.32	399.30	3.60	3.60	72.30	-31.11	-1.59	30.58	23.39	7.20	4.249		
500.00	499.84	498.61	498.45	3.79	3.79	74.04	-34.82	2.00	32.35	24.76	7.59	4.263		
600.00	599.45	597.85	597.31	4.03	4.02	76.53	-41.00	7.96	35.36	27.29	8.06	4.385		
700.00	698.70	697.01	695.74	4.30	4.29	79.38	-49.63	16.30	39.65	31.04	8.61	4.606		
800.00	797.47	796.12	793.64	4.61	4.59	82.22	-60.69	26.98	45.27	36.05	9.22	4.911		
900.00	895.62	894.16	891.91	4.96	4.95	86.78	-72.90	38.77	51.41	41.49	9.92	5.184		
1,000.00	993.06	1,004.60	990.01	5.34	5.32	93.76	-85.09	50.54	57.94	47.29	10.65	5.439		
1,100.00	1,089.64	1,105.35	1,087.82	5.75	5.70	102.18	-97.24	62.28	65.83	54.38	11.45	5.750		
1,110.48	1,099.71	1,105.03	1,098.05	5.80	5.70	103.11	-98.51	63.50	66.78	55.29	11.49	5.810		
1,200.00	1,185.67	1,206.33	1,185.39	6.20	6.11	110.29	-109.37	73.98	75.58	63.29	12.29	6.149		
1,300.00	1,281.70	1,307.31	1,282.97	6.67	6.52	116.50	-121.49	85.69	86.50	73.34	13.16	6.574		
1,400.00	1,377.72	1,408.30	1,380.54	7.16	6.95	121.27	-133.62	97.40	98.19	84.15	14.04	6.994		
1,500.00	1,473.75	1,509.28	1,478.11	7.66	7.38	125.02	-145.74	109.11	110.42	95.49	14.94	7.392		
1,600.00	1,569.77	1,589.74	1,575.69	8.17	7.73	128.01	-157.86	120.81	123.03	107.27	15.76	7.808		
1,700.00	1,665.80	1,688.76	1,673.26	8.69	8.17	130.45	-169.99	132.52	135.90	119.23	16.66	8.155		
1,800.00	1,761.82	1,787.78	1,770.83	9.22	8.61	132.46	-182.11	144.23	148.97	131.39	17.58	8.473		
1,900.00	1,857.85	1,886.79	1,868.40	9.76	9.06	134.14	-194.23	155.94	162.19	143.69	18.51	8.764		
2,000.00	1,953.87	1,985.81	1,965.98	10.30	9.51	135.57	-206.36	167.65	175.53	156.10	19.44	9.030		
2,100.00	2,049.90	2,084.83	2,063.55	10.84	9.96	136.80	-218.48	179.35	188.97	168.59	20.38	9.274		
2,200.00	2,145.92	2,183.85	2,161.12	11.39	10.42	137.86	-230.60	191.06	202.47	181.16	21.32	9.497		
2,300.00	2,241.94	2,282.87	2,258.70	11.95	10.88	138.80	-242.73	202.77	216.04	193.78	22.27	9.703		
2,400.00	2,337.97	2,381.88	2,356.27	12.50	11.34	139.62	-254.85	214.48	229.66	206.44	23.22	9.892		
2,500.00	2,433.99	2,480.90	2,453.84	13.06	11.80	140.35	-266.97	226.18	243.32	219.14	24.17	10.066		
2,600.00	2,530.02	2,579.92	2,551.42	13.63	12.26	141.00	-279.10	237.89	257.01	231.88	25.13	10.227		
2,700.00	2,626.04	2,678.94	2,648.99	14.19	12.73	141.58	-291.22	249.60	270.73	244.64	26.09	10.376		
2,800.00	2,722.07	2,777.96	2,746.56	14.76	13.20	142.11	-303.35	261.31	284.48	257.42	27.06	10.514		
2,900.00	2,818.09	2,876.97	2,844.14	15.32	13.67	142.59	-315.47	273.01	298.25	270.22	28.02	10.643		
3,000.00	2,914.12	2,975.99	2,941.71	15.89	14.14	143.03	-327.59	284.72	312.03	283.04	28.99	10.763		
3,100.00	3,010.14	3,075.01	3,039.28	16.46	14.61	143.43	-339.72	296.43	325.84	295.88	29.96	10.875		
3,200.00	3,106.17	3,174.03	3,136.86	17.03	15.08	143.80	-351.84	308.14	339.66	308.72	30.93	10.980		
3,298.02	3,200.29	3,271.08	3,232.49	17.59	15.54	144.13	-363.72	319.61	353.21	321.32	31.89	11.077		
3,300.00	3,202.19	3,273.05	3,234.43	17.60	15.55	144.14	-363.96	319.84	353.49	321.58	31.91	11.079		
3,400.00	3,298.70	3,372.27	3,332.20	18.16	16.03	144.44	-376.11	331.58	365.86	332.98	32.88	11.127		
3,500.00	3,396.07	3,471.80	3,430.28	18.68	16.50	144.38	-388.30	343.34	375.42	341.57	33.85	11.091		
3,600.00	3,494.17	3,571.52	3,528.54	19.18	16.98	143.98	-400.51	355.13	382.17	347.35	34.82	10.976		
3,700.00	3,592.88	3,671.30	3,626.87	19.64	17.46	143.27	-412.73	366.93	386.14	350.36	35.78	10.792		
3,800.00	3,692.10	3,771.03	3,725.15	20.08	17.94	142.23	-424.94	378.72	387.42	350.68	36.74	10.544		
3,900.00	3,791.69	3,870.59	3,823.25	20.49	18.42	140.84	-437.13	390.50	386.12	348.42	37.70	10.242		
4,000.00	3,891.53	3,969.84	3,921.06	20.88	18.90	139.08	-449.28	402.23	382.39	343.74	38.65	9.893		
4,108.50	4,000.00	4,077.06	4,026.70	21.27	19.41	-109.65	-462.41	414.91	375.87	336.20	39.67	9.475		
4,200.00	4,091.50	4,167.22	4,115.56	21.58	19.85	-111.82	-473.45	425.57	369.64	329.13	40.51	9.124		
4,300.00	4,191.50	4,265.76	4,212.66	21.92	20.32	-114.27	-485.51	437.22	363.47	322.04	41.44	8.772		
4,400.00	4,291.50	4,364.30	4,309.76	22.27	20.80	-116.80	-497.58	448.87	358.01	315.65	42.36	8.451		
4,500.00	4,391.50	4,462.84	4,406.86	22.62	21.27	-119.41	-509.64	460.52	353.28	310.00	43.29	8.162		
4,600.00	4,491.50	4,561.38	4,503.97	22.97	21.75	-122.07	-521.71	472.17	349.32	305.11	44.21	7.902		
4,700.00	4,591.50	4,659.93	4,601.07	23.33	22.23	-124.79	-533.77	483.83	346.15	301.03	45.12	7.671		
4,800.00	4,691.50	4,758.47	4,698.17	23.69	22.70	-127.55	-545.84	495.48	343.80	297.77	46.03	7.469		
4,900.00	4,791.50	4,857.01	4,795.28	24.05	23.18	-130.34	-557.90	507.13	342.28	295.34	46.93	7.293		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,955.55	4,892.38	24.42	23.66	-133.15	-569.97	518.78	341.60	293.77	47.82	7.143		
5,030.25	4,921.75	4,985.36	4,921.75	24.53	23.80	-134.00	-573.62	522.30	341.56	293.47	48.09	7.102		
5,100.00	4,991.50	5,054.09	4,989.48	24.78	24.14	-135.96	-582.03	530.43	341.76	293.06	48.70	7.017		
5,200.00	5,091.50	5,152.63	5,086.58	25.15	24.61	-138.77	-594.10	542.08	342.78	293.20	49.57	6.915		
5,300.00	5,191.50	5,251.17	5,183.69	25.53	25.09	-141.55	-606.16	553.73	344.63	294.20	50.43	6.834		
5,400.00	5,291.50	5,349.71	5,280.79	25.90	25.57	-144.29	-618.23	565.38	347.31	296.03	51.28	6.773		
5,500.00	5,391.50	5,448.25	5,377.89	26.28	26.05	-146.99	-630.29	577.04	350.79	298.68	52.11	6.732		
5,600.00	5,491.50	5,546.79	5,475.00	26.65	26.53	-149.63	-642.36	588.69	355.06	302.13	52.93	6.708		
5,700.00	5,591.50	5,645.33	5,572.10	27.03	27.01	-152.21	-654.42	600.34	360.08	306.34	53.74	6.700		
5,800.00	5,691.50	5,743.87	5,669.20	27.41	27.49	-154.71	-666.49	611.99	365.83	311.28	54.55	6.706		
5,900.00	5,791.50	5,842.42	5,766.30	27.80	27.96	-157.13	-678.55	623.64	372.26	316.92	55.35	6.726		
6,000.00	5,891.50	5,940.96	5,863.41	28.18	28.44	-159.46	-690.62	635.29	379.35	323.21	56.14	6.758		
6,100.00	5,991.50	6,039.50	5,960.51	28.57	28.92	-161.71	-702.68	646.94	387.06	330.14	56.92	6.800		
6,200.00	6,091.50	6,138.04	6,057.61	28.96	29.40	-163.87	-714.75	658.59	395.35	337.65	57.71	6.851		
6,300.00	6,191.50	6,236.58	6,154.72	29.35	29.88	-165.94	-726.81	670.24	404.19	345.70	58.49	6.911		
6,400.00	6,291.50	6,335.12	6,251.82	29.74	30.36	-167.93	-738.88	681.90	413.54	354.27	59.27	6.977		
6,500.00	6,391.50	6,433.66	6,348.92	30.13	30.84	-169.82	-750.94	693.55	423.37	363.32	60.05	7.050		
6,600.00	6,491.50	6,532.20	6,446.02	30.52	31.32	-171.63	-763.01	705.20	433.65	372.82	60.83	7.129		
6,639.95	6,531.45	6,571.57	6,484.82	30.68	31.51	-172.32	-767.83	709.85	437.87	376.73	61.14	7.161		
6,650.00	6,541.50	6,581.46	6,494.57	30.72	31.56	-80.56	-769.04	711.02	438.93	377.71	61.22	7.170		
6,700.00	6,591.41	6,626.24	6,538.83	30.90	31.77	-80.99	-774.57	714.82	444.14	382.60	61.54	7.217		
6,750.00	6,640.95	6,671.33	6,583.55	31.09	31.96	-81.46	-780.23	715.47	449.34	387.50	61.85	7.265		
6,800.00	6,689.82	6,716.86	6,628.63	31.29	32.14	-81.96	-786.01	712.89	454.52	392.37	62.16	7.312		
6,850.00	6,737.71	6,762.89	6,673.89	31.49	32.31	-82.48	-791.89	706.99	459.66	397.18	62.48	7.357		
6,900.00	6,784.33	6,809.45	6,719.11	31.70	32.47	-83.04	-797.83	697.68	464.74	401.92	62.82	7.398		
6,950.00	6,829.39	6,856.58	6,764.06	31.92	32.63	-83.62	-803.82	684.89	469.73	406.55	63.18	7.435		
7,000.00	6,872.61	6,904.33	6,808.51	32.15	32.78	-84.23	-809.82	668.55	474.61	411.04	63.57	7.466		
7,050.00	6,913.73	6,952.74	6,852.20	32.41	32.93	-84.86	-815.80	648.60	479.37	415.38	63.99	7.491		
7,100.00	6,952.49	7,001.85	6,894.84	32.68	33.08	-85.51	-821.74	625.00	483.96	419.52	64.44	7.510		
7,150.00	6,988.66	7,051.69	6,936.13	32.98	33.23	-86.18	-827.58	597.73	488.36	423.44	64.92	7.522		
7,200.00	7,022.01	7,102.30	6,975.76	33.31	33.39	-86.86	-833.29	566.79	492.55	427.10	65.45	7.526		
7,250.00	7,052.33	7,153.71	7,013.37	33.67	33.56	-87.55	-838.83	532.20	496.48	430.46	66.02	7.520		
7,300.00	7,079.44	7,205.94	7,048.62	34.07	33.75	-88.26	-844.14	494.04	500.13	433.49	66.63	7.506		
7,350.00	7,103.17	7,259.02	7,081.12	34.51	33.95	-88.98	-849.18	452.41	503.45	436.14	67.32	7.479		
7,400.00	7,123.38	7,312.95	7,110.50	34.98	34.20	-89.70	-853.91	407.45	506.43	438.36	68.07	7.440		
7,450.00	7,139.94	7,367.72	7,136.36	35.50	34.48	-90.42	-858.25	359.38	509.01	440.12	68.89	7.388		
7,500.00	7,152.75	7,423.34	7,158.33	36.05	34.82	-91.14	-862.16	308.45	511.17	441.36	69.81	7.322		
7,550.00	7,161.73	7,479.78	7,176.01	36.64	35.23	-91.85	-865.58	254.98	512.87	442.04	70.82	7.242		
7,600.00	7,166.82	7,537.01	7,189.07	37.26	35.70	-92.55	-868.47	199.36	514.07	442.14	71.93	7.147		
7,649.14	7,168.00	7,593.96	7,197.09	37.89	36.22	-93.23	-870.73	143.04	514.74	441.64	73.11	7.041		
7,700.00	7,167.27	7,653.71	7,200.10	38.57	36.83	-93.66	-872.43	83.42	514.75	440.28	74.47	6.912		
7,800.00	7,165.83	7,755.86	7,198.40	40.04	38.06	-93.65	-874.47	-18.70	513.50	436.22	77.28	6.645		
7,900.00	7,164.38	7,855.85	7,196.58	41.66	39.42	-93.62	-876.44	-118.66	512.22	431.89	80.33	6.377		
8,000.00	7,162.94	7,955.84	7,194.77	43.40	40.96	-93.58	-878.42	-218.61	510.95	427.29	83.66	6.108		
8,100.00	7,161.50	8,055.84	7,192.95	45.26	42.63	-93.55	-880.40	-318.57	509.67	422.44	87.23	5.843		
8,200.00	7,160.05	8,155.83	7,191.13	47.21	44.43	-93.52	-882.37	-418.52	508.40	417.38	91.01	5.586		
8,300.00	7,158.61	8,255.82	7,189.32	49.26	46.34	-93.48	-884.35	-518.48	507.12	412.13	94.99	5.339		
8,400.00	7,157.17	8,355.81	7,187.50	51.38	48.34	-93.45	-886.32	-618.43	505.84	406.71	99.14	5.103		
8,500.00	7,155.73	8,455.80	7,185.68	53.57	50.43	-93.41	-888.30	-718.39	504.57	401.14	103.43	4.878		
8,600.00	7,154.28	8,555.79	7,183.87	55.82	52.59	-93.38	-890.28	-818.35	503.29	395.44	107.85	4.667		
8,700.00	7,152.84	8,655.78	7,182.05	58.12	54.81	-93.35	-892.25	-918.30	502.02	389.63	112.39	4.467		
8,800.00	7,151.40	8,755.78	7,180.23	60.47	57.09	-93.31	-894.23	-1,018.26	500.75	383.72	117.02	4.279		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	8,855.77	7,178.41	62.86	59.42	-93.28	-896.20	-1,118.21	499.47	377.72	121.75	4.102		
9,000.00	7,148.51	8,955.76	7,176.60	65.28	61.79	-93.24	-898.18	-1,218.17	498.20	371.64	126.56	3.936		
9,100.00	7,147.07	9,055.75	7,174.78	67.74	64.20	-93.21	-900.16	-1,318.12	496.92	365.49	131.44	3.781		
9,200.00	7,145.62	9,155.74	7,172.96	70.23	66.65	-93.17	-902.13	-1,418.08	495.65	359.27	136.38	3.634		
9,300.00	7,144.18	9,255.73	7,171.15	72.74	69.12	-93.14	-904.11	-1,518.03	494.38	353.00	141.38	3.497		
9,400.00	7,142.74	9,355.72	7,169.33	75.28	71.63	-93.10	-906.08	-1,617.99	493.10	346.68	146.42	3.368		
9,500.00	7,141.29	9,455.72	7,167.51	77.84	74.16	-93.07	-908.06	-1,717.94	491.83	340.31	151.52	3.246		
9,600.00	7,139.85	9,555.71	7,165.70	80.42	76.71	-93.03	-910.04	-1,817.90	490.56	333.90	156.66	3.131		
9,700.00	7,138.41	9,655.70	7,163.88	83.01	79.28	-93.00	-912.01	-1,917.85	489.28	327.45	161.83	3.023		
9,800.00	7,136.97	9,755.69	7,162.06	85.62	81.87	-92.96	-913.99	-2,017.81	488.01	320.97	167.04	2.922		
9,900.00	7,135.52	9,855.68	7,160.24	88.25	84.48	-92.92	-915.96	-2,117.77	486.74	314.46	172.28	2.825		
10,000.00	7,134.08	9,955.67	7,158.43	90.89	87.10	-92.89	-917.94	-2,217.72	485.47	307.92	177.54	2.734		
10,100.00	7,132.64	10,055.66	7,156.61	93.54	89.74	-92.85	-919.92	-2,317.68	484.19	301.36	182.83	2.648		
10,200.00	7,131.19	10,155.66	7,154.79	96.20	92.39	-92.81	-921.89	-2,417.63	482.92	294.77	188.15	2.567		
10,300.00	7,129.75	10,255.65	7,152.98	98.87	95.05	-92.78	-923.87	-2,517.59	481.65	288.16	193.49	2.489		
10,400.00	7,128.31	10,355.64	7,151.16	101.55	97.72	-92.74	-925.84	-2,617.54	480.38	281.53	198.85	2.416		
10,500.00	7,126.86	10,455.63	7,149.34	104.24	100.40	-92.70	-927.82	-2,717.50	479.11	274.89	204.22	2.346		
10,600.00	7,125.42	10,555.62	7,147.52	106.94	103.09	-92.66	-929.80	-2,817.45	477.84	268.22	209.62	2.280		
10,700.00	7,123.98	10,655.61	7,145.71	109.64	105.78	-92.62	-931.77	-2,917.41	476.57	261.54	215.03	2.216		
10,800.00	7,122.53	10,755.60	7,143.89	112.36	108.49	-92.59	-933.75	-3,017.36	475.30	254.85	220.45	2.156		
10,900.00	7,121.09	10,855.60	7,142.07	115.08	111.20	-92.55	-935.73	-3,117.32	474.03	248.14	225.89	2.099		
11,000.00	7,119.65	10,955.59	7,140.26	117.80	113.92	-92.51	-937.70	-3,217.27	472.75	241.42	231.34	2.044		
11,100.00	7,118.20	11,055.58	7,138.44	120.53	116.65	-92.47	-939.68	-3,317.23	471.48	234.69	236.80	1.991		
11,200.00	7,116.76	11,155.57	7,136.62	123.26	119.38	-92.43	-941.65	-3,417.19	470.22	227.95	242.27	1.941		
11,300.00	7,115.32	11,255.56	7,134.81	126.00	122.11	-92.39	-943.63	-3,517.14	468.95	221.19	247.75	1.893		
11,400.00	7,113.88	11,355.55	7,132.99	128.75	124.85	-92.35	-945.61	-3,617.10	467.68	214.43	253.24	1.847		
11,500.00	7,112.43	11,455.54	7,131.17	131.50	127.60	-92.31	-947.58	-3,717.05	466.41	207.66	258.75	1.803		
11,600.00	7,110.99	11,555.54	7,129.35	134.25	130.35	-92.27	-949.56	-3,817.01	465.14	200.88	264.26	1.760		
11,700.00	7,109.55	11,655.53	7,127.54	137.01	133.10	-92.23	-951.53	-3,916.96	463.87	194.10	269.77	1.719		
11,800.00	7,108.10	11,755.52	7,125.72	139.77	135.86	-92.19	-953.51	-4,016.92	462.60	187.30	275.30	1.680		
11,900.00	7,106.66	11,855.51	7,123.90	142.53	138.62	-92.15	-955.49	-4,116.87	461.33	180.50	280.83	1.643		
12,000.00	7,105.22	11,955.50	7,122.09	145.30	141.39	-92.11	-957.46	-4,216.83	460.07	173.70	286.37	1.607		
12,100.00	7,103.77	12,055.49	7,120.27	148.06	144.16	-92.07	-959.44	-4,316.78	458.80	166.88	291.91	1.572		
12,200.00	7,102.33	12,155.48	7,118.45	150.84	146.93	-92.03	-961.41	-4,416.74	457.53	160.06	297.47	1.538		
12,300.00	7,100.89	12,255.48	7,116.64	153.61	149.70	-91.99	-963.39	-4,516.69	456.26	153.24	303.02	1.506		
12,400.00	7,099.44	12,355.47	7,114.82	156.39	152.48	-91.95	-965.37	-4,616.65	455.00	146.41	308.58	1.474 Level 3		
12,500.00	7,098.00	12,455.46	7,113.00	159.17	155.26	-91.91	-967.34	-4,716.61	453.73	139.58	314.15	1.444 Level 3		
12,600.00	7,096.56	12,555.45	7,111.18	161.95	158.04	-91.86	-969.32	-4,816.56	452.46	132.74	319.72	1.415 Level 3		
12,700.00	7,095.12	12,655.44	7,109.37	164.73	160.83	-91.82	-971.29	-4,916.52	451.20	125.90	325.30	1.387 Level 3		
12,800.00	7,093.67	12,755.43	7,107.55	167.52	163.61	-91.78	-973.27	-5,016.47	449.93	119.05	330.88	1.360 Level 3		
12,900.00	7,092.23	12,855.42	7,105.73	170.31	166.40	-91.74	-975.25	-5,116.43	448.66	112.20	336.46	1.333 Level 3		
13,000.00	7,090.79	12,955.42	7,103.92	173.09	169.19	-91.69	-977.22	-5,216.38	447.40	105.35	342.05	1.308 Level 3		
13,100.00	7,089.34	13,055.41	7,102.10	175.89	171.99	-91.65	-979.20	-5,316.34	446.13	98.49	347.64	1.283 Level 3		
13,200.00	7,087.90	13,155.40	7,100.28	178.68	174.78	-91.61	-981.17	-5,416.29	444.87	91.63	353.24	1.259 Level 3		
13,300.00	7,086.46	13,255.39	7,098.47	181.47	177.58	-91.56	-983.15	-5,516.25	443.60	84.77	358.84	1.236 Level 2		
13,400.00	7,085.01	13,355.38	7,096.65	184.27	180.37	-91.52	-985.13	-5,616.20	442.34	77.90	364.44	1.214 Level 2		
13,500.00	7,083.57	13,455.37	7,094.83	187.07	183.17	-91.47	-987.10	-5,716.16	441.07	71.03	370.04	1.192 Level 2		
13,600.00	7,082.13	13,555.36	7,093.01	189.86	185.97	-91.43	-989.08	-5,816.11	439.81	64.16	375.65	1.171 Level 2		
13,700.00	7,080.68	13,655.36	7,091.20	192.66	188.77	-91.38	-991.05	-5,916.07	438.55	57.29	381.26	1.150 Level 2		
13,800.00	7,079.24	13,755.35	7,089.38	195.47	191.58	-91.34	-993.03	-6,016.03	437.28	50.41	386.87	1.130 Level 2		
13,900.00	7,077.80	13,855.34	7,087.56	198.27	194.38	-91.29	-995.01	-6,115.98	436.02	43.53	392.49	1.111 Level 2		
14,000.00	7,076.36	13,955.33	7,085.75	201.07	197.19	-91.25	-996.98	-6,215.94	434.76	36.65	398.10	1.092 Level 2		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,074.91	14,055.32	7,083.93	203.88	200.00	-91.20	-998.96	-6,315.89	433.50	29.77	403.72	1.074	Level 2	
14,200.00	7,073.47	14,155.31	7,082.11	206.68	202.80	-91.16	-1,000.93	-6,415.85	432.23	22.89	409.35	1.056	Level 2	
14,300.00	7,072.03	14,255.30	7,080.30	209.49	205.61	-91.11	-1,002.91	-6,515.80	430.97	16.00	414.97	1.039	Level 2	
14,400.00	7,070.58	14,355.30	7,078.48	212.30	208.42	-91.06	-1,004.89	-6,615.76	429.71	9.11	420.60	1.022	Level 2	
14,500.00	7,069.14	14,455.29	7,076.66	215.11	211.23	-91.02	-1,006.86	-6,715.71	428.45	2.22	426.22	1.005	Level 2	
14,600.00	7,067.70	14,555.28	7,074.84	217.92	214.05	-90.97	-1,008.84	-6,815.67	427.19	-4.67	431.85	0.989	Level 1	
14,700.00	7,066.25	14,655.27	7,073.03	220.73	216.86	-90.92	-1,010.82	-6,915.62	425.93	-11.56	437.48	0.974	Level 1	
14,800.00	7,064.81	14,755.26	7,071.21	223.54	219.67	-90.87	-1,012.79	-7,015.58	424.66	-18.45	443.12	0.958	Level 1	
14,900.00	7,063.37	14,855.25	7,069.39	226.35	222.49	-90.83	-1,014.77	-7,115.53	423.40	-25.35	448.75	0.944	Level 1	
15,000.00	7,061.92	14,955.24	7,067.58	229.16	225.30	-90.78	-1,016.74	-7,215.49	422.14	-32.24	454.39	0.929	Level 1	
15,100.00	7,060.48	15,055.24	7,065.76	231.98	228.12	-90.73	-1,018.72	-7,315.45	420.88	-39.14	460.02	0.915	Level 1	
15,200.00	7,059.04	15,155.23	7,063.94	234.79	230.94	-90.68	-1,020.70	-7,415.40	419.63	-46.04	465.66	0.901	Level 1	
15,300.00	7,057.60	15,255.22	7,062.12	237.61	233.76	-90.63	-1,022.67	-7,515.36	418.37	-52.94	471.30	0.888	Level 1	
15,400.00	7,056.15	15,355.21	7,060.31	240.42	236.58	-90.58	-1,024.65	-7,615.31	417.11	-59.83	476.94	0.875	Level 1	
15,500.00	7,054.71	15,455.20	7,058.49	243.24	239.40	-90.53	-1,026.62	-7,715.27	415.85	-66.73	482.58	0.862	Level 1	
15,600.00	7,053.27	15,555.19	7,056.67	246.05	242.22	-90.48	-1,028.60	-7,815.22	414.59	-73.64	488.23	0.849	Level 1	
15,687.75	7,052.00	15,642.94	7,055.08	248.53	244.69	-90.44	-1,030.33	-7,902.94	413.49	-79.69	493.18	0.838	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-174.68	-14.94	-1.39	15.00					
100.00	100.00	100.00	100.00	3.28	3.28	-174.68	-14.94	-1.39	15.00	8.43	6.57	2.283		
200.00	200.00	200.00	200.00	3.34	3.34	-174.68	-14.94	-1.39	15.00	8.33	6.67	2.248		
300.00	300.00	300.00	300.00	3.44	3.44	-174.68	-14.94	-1.39	15.00	8.11	6.89	2.177 CC, ES		
400.00	399.98	399.70	399.68	3.60	3.60	72.51	-16.05	-0.06	15.45	8.25	7.20	2.146		
500.00	499.84	499.39	499.22	3.79	3.79	74.73	-19.40	3.91	16.80	9.21	7.59	2.214		
600.00	599.45	599.04	598.50	4.03	4.02	77.73	-24.98	10.54	19.10	11.04	8.06	2.369		
700.00	698.70	698.65	697.37	4.30	4.29	80.87	-32.77	19.79	22.38	13.77	8.61	2.600		
800.00	797.47	801.74	795.76	4.61	4.61	83.80	-42.76	31.65	26.65	17.42	9.23	2.887		
900.00	895.62	901.90	894.17	4.96	4.95	90.04	-53.59	44.51	31.27	21.36	9.91	3.157		
1,000.00	993.06	1,002.23	992.41	5.34	5.31	100.03	-64.41	57.36	36.62	25.97	10.65	3.439		
1,100.00	1,089.64	1,102.84	1,090.38	5.75	5.70	111.57	-75.20	70.17	43.97	32.52	11.44	3.842		
1,110.48	1,099.71	1,107.55	1,100.63	5.80	5.72	112.78	-76.32	71.51	44.90	33.39	11.51	3.902		
1,200.00	1,185.67	1,203.68	1,188.13	6.20	6.10	121.60	-85.96	82.95	53.66	41.39	12.27	4.373		
1,300.00	1,281.70	1,304.51	1,285.87	6.67	6.51	128.46	-96.72	95.73	64.50	51.39	13.11	4.919		
1,400.00	1,377.72	1,405.35	1,383.62	7.16	6.93	133.30	-107.48	108.51	76.00	62.02	13.97	5.439		
1,500.00	1,473.75	1,506.19	1,481.37	7.66	7.37	136.86	-118.24	121.29	87.88	73.04	14.84	5.921		
1,600.00	1,569.77	1,607.03	1,579.11	8.17	7.80	139.57	-129.01	134.07	100.02	84.30	15.73	6.360		
1,700.00	1,665.80	1,707.86	1,676.86	8.69	8.25	141.68	-139.77	146.85	112.34	95.71	16.62	6.758		
1,800.00	1,761.82	1,808.70	1,774.60	9.22	8.70	143.38	-150.53	159.63	124.77	107.24	17.53	7.118		
1,900.00	1,857.85	1,909.54	1,872.35	9.76	9.16	144.77	-161.29	172.41	137.29	118.85	18.44	7.444		
2,000.00	1,953.87	1,989.63	1,970.09	10.30	9.52	145.92	-172.05	185.19	149.88	130.61	19.27	7.777		
2,100.00	2,049.90	2,088.79	2,067.84	10.84	9.97	146.90	-182.82	197.97	162.52	142.33	20.19	8.049		
2,200.00	2,145.92	2,187.95	2,165.58	11.39	10.43	147.74	-193.58	210.75	175.20	154.08	21.12	8.296		
2,300.00	2,241.94	2,287.11	2,263.33	11.95	10.89	148.46	-204.34	223.53	187.91	165.86	22.05	8.522		
2,400.00	2,337.97	2,386.28	2,361.07	12.50	11.35	149.09	-215.10	236.31	200.65	177.67	22.99	8.729		
2,500.00	2,433.99	2,485.44	2,458.82	13.06	11.81	149.65	-225.86	249.09	213.41	189.48	23.93	8.920		
2,600.00	2,530.02	2,584.60	2,556.56	13.63	12.28	150.14	-236.62	261.87	226.19	201.32	24.87	9.095		
2,700.00	2,626.04	2,683.77	2,654.31	14.19	12.74	150.58	-247.39	274.65	238.98	213.16	25.82	9.257		
2,800.00	2,722.07	2,782.93	2,752.05	14.76	13.21	150.97	-258.15	287.43	251.78	225.02	26.77	9.407		
2,900.00	2,818.09	2,882.09	2,849.80	15.32	13.68	151.33	-268.91	300.21	264.59	236.88	27.72	9.546		
3,000.00	2,914.12	2,981.25	2,947.54	15.89	14.15	151.66	-279.67	312.99	277.42	248.75	28.67	9.676		
3,100.00	3,010.14	3,080.42	3,045.29	16.46	14.62	151.95	-290.43	325.77	290.25	260.62	29.63	9.796		
3,200.00	3,106.17	3,179.58	3,143.03	17.03	15.09	152.22	-301.20	338.55	303.09	272.50	30.59	9.909		
3,298.02	3,200.29	3,276.78	3,238.84	17.59	15.55	152.47	-311.74	351.08	315.67	284.15	31.53	10.013		
3,300.00	3,202.19	3,278.74	3,240.78	17.60	15.56	152.47	-311.96	351.33	315.93	284.38	31.55	10.015		
3,400.00	3,298.70	3,378.10	3,338.72	18.16	16.04	152.66	-322.74	364.14	327.18	294.67	32.51	10.065		
3,500.00	3,396.07	3,477.76	3,436.95	18.68	16.51	152.54	-333.56	376.98	335.34	301.88	33.46	10.021		
3,600.00	3,494.17	3,577.58	3,535.35	19.18	16.99	152.12	-344.39	389.85	340.43	306.01	34.42	9.890		
3,700.00	3,592.88	3,677.47	3,633.80	19.64	17.47	151.42	-355.23	402.72	342.47	307.10	35.38	9.681		
3,800.00	3,692.10	3,777.28	3,732.18	20.08	17.95	150.41	-366.06	415.58	341.53	305.20	36.33	9.401		
3,900.00	3,791.69	3,876.90	3,830.38	20.49	18.43	149.07	-376.87	428.42	337.69	300.41	37.28	9.058		
4,000.00	3,891.53	3,976.21	3,928.27	20.88	18.90	147.35	-387.65	441.22	331.10	292.86	38.23	8.660		
4,108.50	4,000.00	4,083.46	4,033.99	21.27	19.42	-101.37	-399.29	455.05	321.03	281.77	39.25	8.178		
4,200.00	4,091.50	4,173.65	4,122.89	21.58	19.85	-103.57	-409.08	466.67	311.57	271.46	40.11	7.768		
4,300.00	4,191.50	4,272.22	4,220.05	21.92	20.33	-106.12	-419.78	479.37	301.80	260.75	41.05	7.352		
4,400.00	4,291.50	4,370.79	4,317.22	22.27	20.80	-108.84	-430.48	492.08	292.67	250.67	42.00	6.968		
4,500.00	4,391.50	4,469.36	4,414.38	22.62	21.28	-111.71	-441.17	504.78	284.25	241.29	42.96	6.617		
4,600.00	4,491.50	4,567.93	4,511.54	22.97	21.75	-114.76	-451.87	517.49	276.59	232.67	43.92	6.297		
4,700.00	4,591.50	4,666.50	4,608.70	23.33	22.23	-117.96	-462.57	530.19	269.78	224.89	44.89	6.010		
4,800.00	4,691.50	4,765.07	4,705.86	23.69	22.70	-121.31	-473.27	542.89	263.87	218.02	45.85	5.755		
4,900.00	4,791.50	4,863.64	4,803.02	24.05	23.18	-124.80	-483.96	555.60	258.92	212.11	46.81	5.532		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,962.22	4,900.18	24.42	23.66	-128.41	-494.66	568.30	254.99	207.24	47.75	5.340		
5,100.00	4,991.50	5,060.79	4,997.34	24.78	24.13	-132.11	-505.36	581.00	252.12	203.44	48.68	5.179		
5,200.00	5,091.50	5,159.36	5,094.50	25.15	24.61	-135.88	-516.06	593.71	250.36	200.77	49.59	5.048		
5,300.00	5,191.50	5,257.93	5,191.67	25.53	25.09	-139.68	-526.76	606.41	249.73	199.24	50.48	4.947		
5,305.76	5,197.27	5,263.61	5,197.27	25.55	25.12	-139.90	-527.37	607.14	249.73	199.19	50.54	4.942		
5,400.00	5,291.50	5,356.50	5,288.83	25.90	25.57	-143.49	-537.45	619.12	250.23	198.88	51.35	4.873		
5,500.00	5,391.50	5,455.07	5,385.99	26.28	26.04	-147.26	-548.15	631.82	251.86	199.67	52.20	4.825		
5,600.00	5,491.50	5,553.64	5,483.15	26.65	26.52	-150.97	-558.85	644.52	254.60	201.59	53.01	4.802		
5,700.00	5,591.50	5,652.21	5,580.31	27.03	27.00	-154.59	-569.55	657.23	258.41	204.60	53.81	4.802		
5,800.00	5,691.50	5,750.78	5,677.47	27.41	27.48	-158.10	-580.24	669.93	263.25	208.65	54.59	4.822		
5,900.00	5,791.50	5,849.35	5,774.63	27.80	27.96	-161.46	-590.94	682.64	269.05	213.69	55.36	4.860		
6,000.00	5,891.50	5,947.92	5,871.79	28.18	28.43	-164.68	-601.64	695.34	275.76	219.65	56.11	4.915		
6,100.00	5,991.50	6,046.49	5,968.95	28.57	28.91	-167.74	-612.34	708.04	283.32	226.46	56.86	4.983		
6,200.00	6,091.50	6,145.06	6,066.12	28.96	29.39	-170.64	-623.03	720.75	291.66	234.06	57.60	5.064		
6,300.00	6,191.50	6,243.30	6,162.95	29.35	29.87	-173.36	-633.70	733.39	300.71	242.38	58.34	5.155		
6,400.00	6,291.50	6,336.49	6,255.37	29.74	30.28	-174.42	-644.11	737.91	311.33	252.30	59.03	5.274		
6,500.00	6,391.50	6,428.93	6,346.66	30.13	30.62	-173.01	-654.82	728.95	323.97	264.24	59.73	5.423		
6,600.00	6,491.50	6,516.92	6,431.46	30.52	30.91	-169.68	-665.16	708.16	339.56	279.26	60.30	5.631		
6,639.95	6,531.45	6,550.18	6,462.63	30.68	31.02	-168.00	-669.06	697.26	347.04	286.61	60.43	5.743		
6,650.00	6,541.50	6,558.37	6,470.22	30.72	31.05	-75.53	-670.02	694.32	349.04	288.59	60.45	5.774		
6,700.00	6,591.41	6,598.71	6,507.00	30.90	31.18	-72.59	-674.72	678.44	359.28	298.80	60.48	5.940		
6,750.00	6,640.95	6,638.39	6,542.12	31.09	31.31	-69.87	-679.29	660.57	369.81	309.41	60.40	6.122		
6,800.00	6,689.82	6,677.47	6,575.55	31.29	31.43	-67.37	-683.73	640.84	380.48	320.25	60.23	6.317		
6,850.00	6,737.71	6,716.02	6,607.29	31.49	31.56	-65.09	-688.03	619.39	391.12	331.13	59.99	6.520		
6,900.00	6,784.33	6,754.11	6,637.31	31.70	31.69	-63.01	-692.19	596.33	401.58	341.90	59.68	6.729		
6,950.00	6,829.39	6,791.79	6,665.61	31.92	31.83	-61.13	-696.19	571.78	411.75	352.41	59.33	6.940		
7,000.00	6,872.61	6,829.10	6,692.15	32.15	31.97	-59.44	-700.04	545.85	421.50	362.53	58.97	7.148		
7,050.00	6,913.73	6,866.10	6,716.92	32.41	32.12	-57.93	-703.72	518.63	430.74	372.14	58.60	7.350		
7,100.00	6,952.49	6,902.81	6,739.91	32.68	32.29	-56.60	-707.24	490.22	439.39	381.13	58.26	7.543		
7,150.00	6,988.66	6,939.29	6,761.10	32.98	32.46	-55.44	-710.59	460.72	447.37	389.41	57.96	7.719		
7,200.00	7,022.01	6,975.56	6,780.46	33.31	32.66	-54.43	-713.76	430.22	454.61	396.88	57.73	7.875		
7,250.00	7,052.33	7,011.66	6,797.98	33.67	32.87	-53.58	-716.75	398.81	461.05	403.48	57.58	8.008		
7,300.00	7,079.44	7,050.00	6,814.61	34.07	33.12	-52.85	-719.73	364.40	466.67	409.05	57.62	8.099		
7,350.00	7,103.17	7,083.45	6,827.42	34.51	33.36	-52.29	-722.16	333.59	471.40	413.79	57.61	8.182		
7,400.00	7,123.38	7,119.20	6,839.30	34.98	33.64	-51.86	-724.58	299.97	475.23	417.41	57.82	8.218		
7,450.00	7,139.94	7,154.89	6,849.27	35.50	33.94	-51.55	-726.79	265.78	478.13	419.95	58.18	8.218		
7,500.00	7,152.75	7,190.54	6,857.32	36.05	34.27	-51.37	-728.80	231.11	480.08	421.40	58.69	8.180		
7,550.00	7,161.73	7,226.17	6,863.41	36.64	34.62	-51.33	-730.60	196.05	481.08	421.73	59.35	8.106		
7,600.00	7,166.82	7,261.82	6,867.55	37.26	34.98	-51.40	-732.19	160.69	481.12	420.95	60.16	7.997		
7,649.14	7,168.00	7,300.00	6,869.79	37.89	35.40	-51.62	-733.64	122.61	480.23	419.08	61.15	7.853		
7,700.00	7,167.27	7,335.48	6,869.89	38.57	35.81	-51.67	-734.77	87.15	479.56	417.41	62.15	7.716		
7,800.00	7,165.83	7,435.48	6,868.46	40.04	37.11	-51.66	-737.75	-12.80	479.35	414.82	64.53	7.428		
7,900.00	7,164.38	7,535.48	6,867.04	41.66	38.57	-51.64	-740.73	-112.74	479.15	412.01	67.14	7.137		
8,000.00	7,162.94	7,635.48	6,865.61	43.40	40.18	-51.62	-743.71	-212.69	478.94	408.99	69.95	6.847		
8,100.00	7,161.50	7,735.48	6,864.19	45.26	41.94	-51.61	-746.69	-312.63	478.73	405.79	72.94	6.563		
8,200.00	7,160.05	7,835.48	6,862.76	47.21	43.81	-51.59	-749.67	-412.58	478.52	402.43	76.09	6.289		
8,300.00	7,158.61	7,935.48	6,861.34	49.26	45.78	-51.57	-752.65	-512.52	478.32	398.93	79.38	6.025		
8,400.00	7,157.17	8,035.48	6,859.92	51.38	47.85	-51.56	-755.63	-612.47	478.11	395.31	82.80	5.774		
8,500.00	7,155.73	8,135.48	6,858.49	53.57	49.99	-51.54	-758.61	-712.41	477.90	391.58	86.32	5.536		
8,600.00	7,154.28	8,235.48	6,857.07	55.82	52.20	-51.52	-761.59	-812.36	477.69	387.76	89.94	5.311		
8,700.00	7,152.84	8,335.48	6,855.64	58.12	54.47	-51.50	-764.58	-912.30	477.49	383.85	93.64	5.099		
8,800.00	7,151.40	8,435.48	6,854.22	60.47	56.79	-51.49	-767.56	-1,012.25	477.28	379.86	97.41	4.899		

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 13C-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 13C-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	7,149.95	8,535.48	6,852.79	62.86	59.16	-51.47	-770.54	-1,112.19	477.07	375.82	101.25	4.712		
9,000.00	7,148.51	8,635.48	6,851.37	65.28	61.57	-51.45	-773.52	-1,212.14	476.86	371.71	105.15	4.535		
9,100.00	7,147.07	8,735.48	6,849.95	67.74	64.01	-51.44	-776.50	-1,312.08	476.66	367.55	109.10	4.369		
9,200.00	7,145.62	8,835.48	6,848.52	70.23	66.49	-51.42	-779.48	-1,412.03	476.45	363.35	113.10	4.213		
9,300.00	7,144.18	8,935.48	6,847.10	72.74	68.99	-51.40	-782.46	-1,511.97	476.24	359.11	117.14	4.066		
9,400.00	7,142.74	9,035.48	6,845.67	75.28	71.52	-51.39	-785.44	-1,611.92	476.04	354.82	121.21	3.927		
9,500.00	7,141.29	9,135.48	6,844.25	77.84	74.08	-51.37	-788.42	-1,711.86	475.83	350.51	125.32	3.797		
9,600.00	7,139.85	9,235.48	6,842.82	80.42	76.65	-51.35	-791.40	-1,811.81	475.62	346.17	129.45	3.674		
9,700.00	7,138.41	9,335.48	6,841.40	83.01	79.24	-51.33	-794.39	-1,911.75	475.41	341.80	133.62	3.558		
9,800.00	7,136.97	9,435.47	6,839.98	85.62	81.85	-51.32	-797.37	-2,011.70	475.21	337.40	137.80	3.448		
9,900.00	7,135.52	9,535.47	6,838.55	88.25	84.48	-51.30	-800.35	-2,111.64	475.00	332.99	142.01	3.345		
10,000.00	7,134.08	9,635.47	6,837.13	90.89	87.12	-51.28	-803.33	-2,211.59	474.79	328.55	146.24	3.247		
10,100.00	7,132.64	9,735.47	6,835.70	93.54	89.77	-51.27	-806.31	-2,311.53	474.59	324.10	150.49	3.154		
10,200.00	7,131.19	9,835.47	6,834.28	96.20	92.43	-51.25	-809.29	-2,411.48	474.38	319.63	154.75	3.065		
10,300.00	7,129.75	9,935.47	6,832.85	98.87	95.10	-51.23	-812.27	-2,511.42	474.17	315.15	159.03	2.982		
10,400.00	7,128.31	10,035.47	6,831.43	101.55	97.78	-51.21	-815.25	-2,611.37	473.97	310.65	163.32	2.902		
10,500.00	7,126.86	10,135.47	6,830.01	104.24	100.48	-51.20	-818.23	-2,711.31	473.76	306.14	167.62	2.826		
10,600.00	7,125.42	10,235.47	6,828.58	106.94	103.18	-51.18	-821.21	-2,811.26	473.55	301.62	171.94	2.754		
10,700.00	7,123.98	10,335.47	6,827.16	109.64	105.88	-51.16	-824.20	-2,911.21	473.35	297.09	176.26	2.686		
10,800.00	7,122.53	10,435.47	6,825.73	112.36	108.60	-51.15	-827.18	-3,011.15	473.14	292.55	180.59	2.620		
10,900.00	7,121.09	10,535.47	6,824.31	115.08	111.32	-51.13	-830.16	-3,111.10	472.93	288.00	184.94	2.557		
11,000.00	7,119.65	10,635.47	6,822.88	117.80	114.05	-51.11	-833.14	-3,211.04	472.73	283.44	189.29	2.497		
11,100.00	7,118.20	10,735.47	6,821.46	120.53	116.78	-51.09	-836.12	-3,310.99	472.52	278.88	193.64	2.440		
11,200.00	7,116.76	10,835.47	6,820.04	123.26	119.52	-51.08	-839.10	-3,410.93	472.32	274.31	198.01	2.385		
11,300.00	7,115.32	10,935.47	6,818.61	126.00	122.26	-51.06	-842.08	-3,510.88	472.11	269.73	202.38	2.333		
11,400.00	7,113.88	11,035.47	6,817.19	128.75	125.01	-51.04	-845.06	-3,610.82	471.90	265.15	206.75	2.282		
11,500.00	7,112.43	11,135.47	6,815.76	131.50	127.76	-51.03	-848.04	-3,710.77	471.70	260.57	211.13	2.234		
11,600.00	7,110.99	11,235.47	6,814.34	134.25	130.51	-51.01	-851.02	-3,810.71	471.49	255.97	215.52	2.188		
11,700.00	7,109.55	11,335.47	6,812.91	137.01	133.27	-50.99	-854.01	-3,910.66	471.28	251.38	219.90	2.143		
11,800.00	7,108.10	11,435.47	6,811.49	139.77	136.04	-50.97	-856.99	-4,010.60	471.08	246.78	224.30	2.100		
11,900.00	7,106.66	11,535.62	6,810.06	142.53	138.80	-50.96	-859.97	-4,110.70	470.87	242.18	228.70	2.059		
12,000.00	7,105.22	11,650.18	6,808.43	145.30	141.98	-50.76	-861.05	-4,225.23	469.08	236.29	232.79	2.015		
12,100.00	7,103.77	11,749.48	6,807.02	148.06	144.75	-50.44	-860.17	-4,324.52	465.89	229.51	236.37	1.971		
12,200.00	7,102.33	11,849.40	6,805.60	150.84	147.53	-50.12	-859.28	-4,424.42	462.71	222.80	239.90	1.929		
12,300.00	7,100.89	11,949.31	6,804.18	153.61	150.32	-49.79	-858.39	-4,524.32	459.54	216.15	243.39	1.888		
12,400.00	7,099.44	12,049.23	6,802.75	156.39	153.11	-49.46	-857.50	-4,624.23	456.38	209.56	246.82	1.849		
12,500.00	7,098.00	12,149.14	6,801.33	159.17	155.90	-49.12	-856.61	-4,724.13	453.25	203.05	250.20	1.812		
12,600.00	7,096.56	12,249.06	6,799.91	161.95	158.70	-48.78	-855.72	-4,824.03	450.13	196.60	253.53	1.775		
12,700.00	7,095.12	12,348.97	6,798.49	164.73	161.49	-48.43	-854.83	-4,923.93	447.02	190.22	256.80	1.741		
12,800.00	7,093.67	12,448.89	6,797.07	167.52	164.29	-48.08	-853.94	-5,023.83	443.93	183.92	260.02	1.707		
12,900.00	7,092.23	12,548.80	6,795.64	170.31	167.09	-47.73	-853.05	-5,123.73	440.86	177.69	263.17	1.675		
13,000.00	7,090.79	12,648.72	6,794.22	173.09	169.89	-47.36	-852.16	-5,223.63	437.81	171.54	266.27	1.644		
13,100.00	7,089.34	12,748.63	6,792.80	175.89	172.70	-47.00	-851.27	-5,323.53	434.77	165.47	269.30	1.614		
13,200.00	7,087.90	12,848.55	6,791.38	178.68	175.50	-46.63	-850.38	-5,423.43	431.75	159.48	272.27	1.586		
13,300.00	7,086.46	12,948.46	6,789.96	181.47	178.31	-46.25	-849.49	-5,523.33	428.75	153.58	275.17	1.558		
13,400.00	7,085.01	13,048.38	6,788.53	184.27	181.12	-45.87	-848.60	-5,623.24	425.77	147.76	278.01	1.531		
13,500.00	7,083.57	13,148.29	6,787.11	187.07	183.93	-45.48	-847.71	-5,723.14	422.81	142.03	280.77	1.506		
13,600.00	7,082.13	13,248.21	6,785.69	189.86	186.74	-45.09	-846.82	-5,823.04	419.86	136.40	283.47	1.481 Level 3		
13,700.00	7,080.68	13,348.12	6,784.27	192.66	189.55	-44.69	-845.93	-5,922.94	416.94	130.85	286.09	1.457 Level 3		
13,800.00	7,079.24	13,448.04	6,782.85	195.47	192.37	-44.29	-845.04	-6,022.84	414.04	125.41	288.63	1.434 Level 3		
13,900.00	7,077.80	13,547.95	6,781.43	198.27	195.18	-43.88	-844.15	-6,122.74	411.15	120.06	291.09	1.412 Level 3		
14,000.00	7,076.36	13,647.87	6,780.00	201.07	198.00	-43.47	-843.26	-6,222.64	408.29	114.81	293.48	1.391 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 13C-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 13C-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-6A-M - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,074.91	13,747.78	6,778.58	203.88	200.82	-43.04	-842.37	-6,322.54	405.46	109.67	295.78	1.371	Level 3				
14,200.00	7,073.47	13,847.70	6,777.16	206.68	203.63	-42.62	-841.48	-6,422.44	402.64	104.64	298.00	1.351	Level 3				
14,300.00	7,072.03	13,947.61	6,775.74	209.49	206.45	-42.19	-840.59	-6,522.34	399.84	99.71	300.14	1.332	Level 3				
14,400.00	7,070.58	14,047.53	6,774.32	212.30	209.27	-41.75	-839.70	-6,622.24	397.07	94.89	302.18	1.314	Level 3				
14,500.00	7,069.14	14,147.44	6,772.89	215.11	212.10	-41.30	-838.81	-6,722.15	394.33	90.19	304.14	1.297	Level 3				
14,600.00	7,067.70	14,247.36	6,771.47	217.92	214.92	-40.85	-837.92	-6,822.05	391.60	85.60	306.00	1.280	Level 3				
14,700.00	7,066.25	14,347.27	6,770.05	220.73	217.74	-40.39	-837.03	-6,921.95	388.90	81.13	307.77	1.264	Level 3				
14,800.00	7,064.81	14,447.19	6,768.63	223.54	220.56	-39.93	-836.14	-7,021.85	386.23	76.79	309.44	1.248	Level 2				
14,900.00	7,063.37	14,547.10	6,767.21	226.35	223.39	-39.46	-835.25	-7,121.75	383.58	72.57	311.02	1.233	Level 2				
15,000.00	7,061.92	14,647.02	6,765.79	229.16	226.21	-38.98	-834.36	-7,221.65	380.96	68.47	312.49	1.219	Level 2				
15,100.00	7,060.48	14,746.93	6,764.36	231.98	229.04	-38.50	-833.47	-7,321.55	378.36	64.50	313.86	1.206	Level 2				
15,200.00	7,059.04	14,846.85	6,762.94	234.79	231.87	-38.01	-832.58	-7,421.45	375.80	60.67	315.13	1.193	Level 2				
15,300.00	7,057.60	14,946.76	6,761.52	237.61	234.70	-37.52	-831.69	-7,521.35	373.26	56.97	316.29	1.180	Level 2				
15,400.00	7,056.15	15,046.68	6,760.10	240.42	237.52	-37.01	-830.80	-7,621.25	370.75	53.41	317.34	1.168	Level 2				
15,500.00	7,054.71	15,146.59	6,758.68	243.24	240.35	-36.50	-829.91	-7,721.16	368.26	49.98	318.28	1.157	Level 2				
15,600.00	7,053.27	15,246.51	6,757.25	246.05	243.18	-35.99	-829.02	-7,821.06	365.81	46.70	319.11	1.146	Level 2				
15,687.75	7,052.00	15,334.19	6,756.01	248.53	245.66	-35.53	-828.24	-7,908.72	363.68	43.94	319.75	1.137	Level 2, SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	6.855		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-44.81	-4.45	45.03	38.36	6.67	6.748 CC, ES		
300.00	300.00	298.75	298.74	3.44	3.44	-175.65	-46.23	-3.52	46.39	39.49	6.89	6.732		
400.00	399.98	397.35	397.20	3.60	3.59	68.92	-50.49	-0.72	49.92	42.71	7.21	6.925		
500.00	499.84	495.77	495.24	3.79	3.79	68.65	-57.55	3.94	55.00	47.38	7.62	7.220		
600.00	599.45	593.93	592.69	4.03	4.02	69.53	-67.40	10.42	61.60	53.49	8.11	7.598		
700.00	698.70	691.80	689.39	4.30	4.29	71.16	-79.98	18.71	69.76	61.09	8.67	8.049		
800.00	797.47	789.66	785.52	4.61	4.61	73.23	-95.28	28.78	79.51	70.23	9.28	8.567		
900.00	895.62	889.04	882.91	4.96	4.96	76.48	-111.78	39.65	89.36	79.43	9.94	8.992		
1,000.00	993.06	988.28	980.17	5.34	5.34	81.02	-128.26	50.51	98.89	88.22	10.66	9.274		
1,100.00	1,089.64	1,087.26	1,077.17	5.75	5.73	86.52	-144.70	61.33	108.71	97.26	11.45	9.493		
1,110.48	1,099.71	1,102.39	1,087.31	5.80	5.79	87.14	-146.42	62.47	109.78	98.23	11.56	9.500		
1,200.00	1,185.67	1,186.02	1,173.96	6.20	6.14	92.21	-161.10	72.14	119.49	107.19	12.30	9.718		
1,300.00	1,281.70	1,284.79	1,270.75	6.67	6.56	96.95	-177.50	82.94	131.26	118.08	13.18	9.959		
1,400.00	1,377.72	1,383.55	1,367.54	7.16	6.99	100.90	-193.90	93.74	143.77	129.68	14.09	10.204		
1,500.00	1,473.75	1,482.31	1,464.33	7.66	7.43	104.21	-210.31	104.54	156.86	141.84	15.02	10.442		
1,600.00	1,569.77	1,581.08	1,561.13	8.17	7.88	107.01	-226.71	115.35	170.38	154.41	15.97	10.669		
1,700.00	1,665.80	1,679.84	1,657.92	8.69	8.34	109.39	-243.11	126.15	184.25	167.32	16.93	10.883		
1,800.00	1,761.82	1,778.60	1,754.71	9.22	8.80	111.44	-259.51	136.95	198.38	180.48	17.90	11.083		
1,900.00	1,857.85	1,877.37	1,851.50	9.76	9.26	113.21	-275.91	147.76	212.73	193.86	18.88	11.268		
2,000.00	1,953.87	1,976.13	1,948.29	10.30	9.73	114.76	-292.32	158.56	227.26	207.40	19.86	11.440		
2,100.00	2,049.90	2,074.89	2,045.08	10.84	10.20	116.12	-308.72	169.36	241.93	221.07	20.86	11.600		
2,200.00	2,145.92	2,173.66	2,141.87	11.39	10.67	117.33	-325.12	180.16	256.72	234.87	21.85	11.748		
2,300.00	2,241.94	2,272.42	2,238.66	11.95	11.15	118.41	-341.52	190.97	271.61	248.76	22.85	11.885		
2,400.00	2,337.97	2,371.19	2,335.46	12.50	11.63	119.37	-357.92	201.77	286.58	262.72	23.86	12.013		
2,500.00	2,433.99	2,469.95	2,432.25	13.06	12.11	120.24	-374.32	212.57	301.62	276.76	24.86	12.131		
2,600.00	2,530.02	2,568.71	2,529.04	13.63	12.59	121.02	-390.73	223.37	316.73	290.86	25.87	12.241		
2,700.00	2,626.04	2,667.48	2,625.83	14.19	13.07	121.74	-407.13	234.18	331.89	305.00	26.89	12.344		
2,800.00	2,722.07	2,766.24	2,722.62	14.76	13.55	122.39	-423.53	244.98	347.09	319.19	27.90	12.440		
2,900.00	2,818.09	2,865.00	2,819.41	15.32	14.04	122.99	-439.93	255.78	362.34	333.42	28.92	12.529		
3,000.00	2,914.12	2,963.77	2,916.20	15.89	14.53	123.54	-456.33	266.58	377.62	347.68	29.94	12.613		
3,100.00	3,010.14	3,062.53	3,012.99	16.46	15.01	124.04	-472.73	277.39	392.93	361.97	30.96	12.692		
3,200.00	3,106.17	3,161.29	3,109.78	17.03	15.50	124.51	-489.14	288.19	408.27	376.29	31.98	12.766		
3,298.02	3,200.29	3,258.10	3,204.66	17.59	15.98	124.94	-505.21	298.78	423.33	390.34	32.98	12.834		
3,300.00	3,202.19	3,260.06	3,206.58	17.60	15.99	124.95	-505.54	298.99	423.63	390.63	33.00	12.836		
3,400.00	3,298.70	3,359.01	3,303.55	18.16	16.48	125.39	-521.97	309.82	437.98	403.96	34.02	12.874		
3,500.00	3,396.07	3,458.23	3,400.79	18.68	16.97	125.43	-538.45	320.67	450.33	415.30	35.02	12.857		
3,600.00	3,494.17	3,557.60	3,498.18	19.18	17.47	125.08	-554.95	331.54	460.69	424.67	36.02	12.791		
3,700.00	3,592.88	3,657.00	3,595.59	19.64	17.96	124.38	-571.46	342.41	469.12	432.12	36.99	12.681		
3,800.00	3,692.10	3,756.32	3,692.92	20.08	18.46	123.33	-587.95	353.27	475.73	437.78	37.96	12.534		
3,900.00	3,791.69	3,855.42	3,790.05	20.49	18.95	121.94	-604.41	364.11	480.69	441.79	38.90	12.357		
4,000.00	3,891.53	3,954.19	3,886.85	20.88	19.45	120.21	-620.81	374.92	484.20	444.37	39.83	12.158		
4,108.50	4,000.00	4,060.84	3,991.36	21.27	19.98	-128.39	-638.52	386.58	486.69	445.89	40.79	11.931		
4,200.00	4,091.50	4,150.51	4,079.25	21.58	20.43	-130.47	-653.42	396.39	488.65	447.06	41.58	11.751		
4,300.00	4,191.50	4,248.52	4,175.29	21.92	20.92	-132.73	-669.69	407.11	491.55	449.11	42.44	11.582		
4,400.00	4,291.50	4,346.52	4,271.34	22.27	21.41	-134.95	-685.97	417.83	495.24	451.95	43.29	11.440		
4,500.00	4,391.50	4,444.52	4,367.38	22.62	21.90	-137.15	-702.24	428.55	499.69	455.55	44.13	11.322		
4,600.00	4,491.50	4,542.52	4,463.43	22.97	22.39	-139.30	-718.52	439.27	504.88	459.91	44.97	11.227		
4,700.00	4,591.50	4,640.53	4,559.48	23.33	22.88	-141.41	-734.79	449.99	510.80	465.00	45.80	11.153		
4,800.00	4,691.50	4,738.53	4,655.52	23.69	23.37	-143.46	-751.07	460.71	517.41	470.79	46.62	11.097		
4,900.00	4,791.50	4,836.53	4,751.57	24.05	23.87	-145.47	-767.34	471.43	524.70	477.25	47.44	11.059		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,934.54	4,847.61	24.42	24.36	-147.42	-783.62	482.14	532.63	484.37	48.26	11.037		
5,100.00	4,991.50	5,032.54	4,943.66	24.78	24.85	-149.31	-799.90	492.86	541.17	492.10	49.07	11.029		
5,200.00	5,091.50	5,130.54	5,039.70	25.15	25.34	-151.14	-816.17	503.58	550.30	500.42	49.87	11.034		
5,300.00	5,191.50	5,228.55	5,135.75	25.53	25.84	-152.92	-832.45	514.30	559.98	509.31	50.68	11.050		
5,400.00	5,291.50	5,326.55	5,231.80	25.90	26.33	-154.63	-848.72	525.02	570.20	518.72	51.48	11.076		
5,500.00	5,391.50	5,424.55	5,327.84	26.28	26.82	-156.28	-865.00	535.74	580.92	528.64	52.28	11.112		
5,600.00	5,491.50	5,522.55	5,423.89	26.65	27.31	-157.88	-881.27	546.46	592.11	539.03	53.08	11.156		
5,700.00	5,591.50	5,620.56	5,519.93	27.03	27.81	-159.41	-897.55	557.18	603.75	549.87	53.88	11.206		
5,800.00	5,691.50	5,718.56	5,615.98	27.41	28.30	-160.89	-913.82	567.90	615.81	561.13	54.67	11.263		
5,900.00	5,791.50	5,816.56	5,712.02	27.80	28.80	-162.31	-930.10	578.62	628.27	572.80	55.47	11.326		
6,000.00	5,891.50	5,914.57	5,808.07	28.18	29.29	-163.68	-946.37	589.34	641.10	584.83	56.27	11.393		
6,100.00	5,991.50	6,012.57	5,904.12	28.57	29.78	-164.99	-962.65	600.06	654.29	597.22	57.07	11.465		
6,200.00	6,091.50	6,110.57	6,000.16	28.96	30.28	-166.25	-978.93	610.78	667.81	609.93	57.87	11.539		
6,300.00	6,191.50	6,208.57	6,096.21	29.35	30.77	-167.46	-995.20	621.50	681.64	622.96	58.67	11.617		
6,400.00	6,291.50	6,306.58	6,192.25	29.74	31.27	-168.63	-1,011.48	632.22	695.76	636.28	59.48	11.698		
6,500.00	6,391.50	6,404.58	6,288.30	30.13	31.76	-169.75	-1,027.75	642.94	710.16	649.88	60.28	11.780		
6,600.00	6,491.50	6,502.58	6,384.34	30.52	32.25	-170.82	-1,044.03	653.66	724.82	663.73	61.09	11.864		
6,639.95	6,531.45	6,538.15	6,419.22	30.68	32.43	-171.18	-1,049.94	657.31	730.80	669.42	61.38	11.906		
6,650.00	6,541.50	6,546.34	6,427.27	30.72	32.47	-79.26	-1,051.32	657.93	732.34	670.90	61.44	11.919		
6,700.00	6,591.41	6,587.18	6,467.49	30.90	32.66	-78.96	-1,058.22	659.46	739.93	678.19	61.74	11.985		
6,750.00	6,640.95	6,628.22	6,507.90	31.09	32.84	-78.71	-1,065.22	658.36	747.36	685.34	62.02	12.051		
6,800.00	6,689.82	6,669.51	6,548.39	31.29	33.01	-78.52	-1,072.32	654.59	754.61	692.31	62.30	12.112		
6,850.00	6,737.71	6,711.09	6,588.83	31.49	33.16	-78.39	-1,079.49	648.10	761.64	699.05	62.59	12.169		
6,900.00	6,784.33	6,753.00	6,629.07	31.70	33.31	-78.31	-1,086.70	638.87	768.43	705.55	62.89	12.219		
6,950.00	6,829.39	6,795.30	6,668.96	31.92	33.44	-78.29	-1,093.93	626.85	774.96	711.75	63.21	12.260		
7,000.00	6,872.61	6,838.03	6,708.36	32.15	33.57	-78.33	-1,101.16	612.00	781.19	717.63	63.56	12.291		
7,050.00	6,913.73	6,881.24	6,747.10	32.41	33.70	-78.43	-1,108.35	594.29	787.11	723.17	63.94	12.310		
7,100.00	6,952.49	6,924.98	6,785.01	32.68	33.82	-78.58	-1,115.49	573.68	792.70	728.33	64.36	12.316		
7,150.00	6,988.66	6,969.30	6,821.89	32.98	33.94	-78.80	-1,122.53	550.15	797.92	733.09	64.83	12.308		
7,200.00	7,022.01	7,014.26	6,857.55	33.31	34.05	-79.07	-1,129.44	523.68	802.78	737.43	65.35	12.285		
7,250.00	7,052.33	7,059.90	6,891.76	33.67	34.17	-79.40	-1,136.19	494.24	807.24	741.31	65.92	12.246		
7,300.00	7,079.44	7,106.29	6,924.30	34.07	34.29	-79.79	-1,142.74	461.85	811.28	744.73	66.56	12.189		
7,350.00	7,103.17	7,153.46	6,954.91	34.51	34.41	-80.23	-1,149.03	426.52	814.90	747.64	67.26	12.116		
7,400.00	7,123.38	7,201.49	6,983.32	34.98	34.55	-80.73	-1,155.03	388.28	818.07	750.04	68.03	12.025		
7,450.00	7,139.94	7,250.41	7,009.24	35.50	34.70	-81.28	-1,160.68	347.20	820.78	751.90	68.88	11.916		
7,500.00	7,152.75	7,300.28	7,032.38	36.05	34.87	-81.89	-1,165.93	303.35	823.01	753.21	69.80	11.790		
7,550.00	7,161.73	7,351.13	7,052.40	36.64	35.09	-82.55	-1,170.72	256.86	824.74	753.94	70.81	11.648		
7,600.00	7,166.82	7,403.02	7,068.99	37.26	35.36	-83.25	-1,174.98	207.90	825.97	754.08	71.89	11.490		
7,649.14	7,168.00	7,455.04	7,081.62	37.89	35.68	-83.99	-1,178.60	157.57	826.66	753.63	73.02	11.321		
7,700.00	7,167.27	7,510.37	7,090.55	38.57	36.10	-84.67	-1,181.70	103.08	827.01	752.71	74.29	11.132		
7,800.00	7,165.83	7,619.89	7,094.61	40.04	37.13	-85.06	-1,185.53	-6.18	826.81	749.74	77.07	10.728		
7,900.00	7,164.38	7,719.88	7,092.50	41.66	38.32	-85.01	-1,188.02	-106.12	826.13	746.13	80.00	10.327		
8,000.00	7,162.94	7,819.88	7,090.39	43.40	39.70	-84.96	-1,190.52	-206.06	825.45	742.24	83.21	9.920		
8,100.00	7,161.50	7,919.87	7,088.28	45.26	41.26	-84.91	-1,193.01	-306.01	824.78	738.11	86.68	9.516		
8,200.00	7,160.05	8,019.87	7,086.17	47.21	42.96	-84.86	-1,195.51	-405.95	824.11	733.74	90.36	9.120		
8,300.00	7,158.61	8,119.86	7,084.07	49.26	44.79	-84.81	-1,198.00	-505.89	823.43	729.19	94.25	8.737		
8,400.00	7,157.17	8,219.86	7,081.96	51.38	46.73	-84.76	-1,200.50	-605.83	822.76	724.46	98.31	8.369		
8,500.00	7,155.73	8,319.85	7,079.85	53.57	48.75	-84.71	-1,202.99	-705.77	822.09	719.58	102.52	8.019		
8,600.00	7,154.28	8,419.85	7,077.74	55.82	50.86	-84.66	-1,205.49	-805.71	821.42	714.56	106.86	7.687		
8,700.00	7,152.84	8,519.84	7,075.63	58.12	53.03	-84.61	-1,207.98	-905.66	820.75	709.43	111.32	7.373		
8,800.00	7,151.40	8,619.84	7,073.53	60.47	55.27	-84.56	-1,210.48	-1,005.60	820.08	704.19	115.89	7.076		
8,900.00	7,149.95	8,719.83	7,071.42	62.86	57.57	-84.50	-1,212.97	-1,105.54	819.41	698.86	120.55	6.797		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	8,819.83	7,069.31	65.28	59.91	-84.45	-1,215.47	-1,205.48	818.74	693.45	125.29	6.535		
9,100.00	7,147.07	8,919.82	7,067.20	67.74	62.29	-84.40	-1,217.96	-1,305.42	818.08	687.97	130.11	6.288		
9,200.00	7,145.62	9,019.82	7,065.09	70.23	64.71	-84.35	-1,220.46	-1,405.36	817.41	682.42	134.99	6.055		
9,300.00	7,144.18	9,119.81	7,062.98	72.74	67.17	-84.30	-1,222.95	-1,505.31	816.74	676.82	139.93	5.837		
9,400.00	7,142.74	9,219.81	7,060.88	75.28	69.65	-84.25	-1,225.45	-1,605.25	816.08	671.16	144.92	5.631		
9,500.00	7,141.29	9,319.81	7,058.77	77.84	72.16	-84.20	-1,227.94	-1,705.19	815.41	665.46	149.95	5.438		
9,600.00	7,139.85	9,419.80	7,056.66	80.42	74.70	-84.14	-1,230.44	-1,805.13	814.75	659.72	155.03	5.255		
9,700.00	7,138.41	9,519.80	7,054.55	83.01	77.25	-84.09	-1,232.93	-1,905.07	814.08	653.94	160.15	5.083		
9,800.00	7,136.97	9,619.79	7,052.44	85.62	79.83	-84.04	-1,235.43	-2,005.01	813.42	648.12	165.30	4.921		
9,900.00	7,135.52	9,719.79	7,050.33	88.25	82.43	-83.99	-1,237.92	-2,104.96	812.76	642.28	170.48	4.768		
10,000.00	7,134.08	9,819.78	7,048.23	90.89	85.04	-83.94	-1,240.42	-2,204.90	812.10	636.41	175.69	4.622		
10,100.00	7,132.64	9,919.78	7,046.12	93.54	87.66	-83.88	-1,242.91	-2,304.84	811.44	630.51	180.92	4.485		
10,200.00	7,131.19	10,019.77	7,044.01	96.20	90.30	-83.83	-1,245.41	-2,404.78	810.78	624.60	186.18	4.355		
10,300.00	7,129.75	10,119.77	7,041.90	98.87	92.95	-83.78	-1,247.90	-2,504.72	810.12	618.66	191.46	4.231		
10,400.00	7,128.31	10,219.76	7,039.79	101.55	95.61	-83.73	-1,250.40	-2,604.66	809.46	612.70	196.76	4.114		
10,500.00	7,126.86	10,319.76	7,037.68	104.24	98.29	-83.67	-1,252.89	-2,704.61	808.80	606.73	202.07	4.002		
10,600.00	7,125.42	10,419.75	7,035.58	106.94	100.97	-83.62	-1,255.39	-2,804.55	808.14	600.74	207.41	3.896		
10,700.00	7,123.98	10,519.75	7,033.47	109.64	103.66	-83.57	-1,257.88	-2,904.49	807.48	594.73	212.75	3.795		
10,800.00	7,122.53	10,619.74	7,031.36	112.36	106.36	-83.52	-1,260.38	-3,004.43	806.83	588.71	218.11	3.699		
10,900.00	7,121.09	10,719.74	7,029.25	115.08	109.06	-83.46	-1,262.87	-3,104.37	806.17	582.69	223.49	3.607		
11,000.00	7,119.65	10,819.73	7,027.14	117.80	111.78	-83.41	-1,265.37	-3,204.31	805.52	576.65	228.87	3.520		
11,100.00	7,118.20	10,919.73	7,025.03	120.53	114.50	-83.36	-1,267.86	-3,304.26	804.86	570.60	234.27	3.436		
11,200.00	7,116.76	11,019.72	7,022.93	123.26	117.22	-83.30	-1,270.36	-3,404.20	804.21	564.54	239.67	3.355		
11,300.00	7,115.32	11,119.72	7,020.82	126.00	119.95	-83.25	-1,272.85	-3,504.14	803.56	558.47	245.09	3.279		
11,400.00	7,113.88	11,219.71	7,018.71	128.75	122.69	-83.20	-1,275.35	-3,604.08	802.91	552.40	250.51	3.205		
11,500.00	7,112.43	11,319.71	7,016.60	131.50	125.43	-83.14	-1,277.84	-3,704.02	802.25	546.31	255.94	3.135		
11,600.00	7,110.99	11,419.70	7,014.49	134.25	128.18	-83.09	-1,280.34	-3,803.97	801.60	540.22	261.38	3.067		
11,700.00	7,109.55	11,519.70	7,012.38	137.01	130.93	-83.04	-1,282.84	-3,903.91	800.95	534.13	266.82	3.002		
11,800.00	7,108.10	11,619.69	7,010.28	139.77	133.68	-82.98	-1,285.33	-4,003.85	800.31	528.03	272.27	2.939		
11,900.00	7,106.66	11,719.69	7,008.17	142.53	136.44	-82.93	-1,287.83	-4,103.79	799.66	521.93	277.73	2.879		
12,000.00	7,105.22	11,819.68	7,006.06	145.30	139.20	-82.88	-1,290.32	-4,203.73	799.01	515.82	283.19	2.821		
12,100.00	7,103.77	11,919.68	7,003.95	148.06	141.96	-82.82	-1,292.82	-4,303.67	798.36	509.70	288.66	2.766		
12,200.00	7,102.33	12,019.67	7,001.84	150.84	144.73	-82.77	-1,295.31	-4,403.62	797.72	503.59	294.13	2.712		
12,300.00	7,100.89	12,119.67	6,999.73	153.61	147.50	-82.71	-1,297.81	-4,503.56	797.07	497.47	299.60	2.660		
12,400.00	7,099.44	12,219.66	6,997.63	156.39	150.28	-82.66	-1,300.30	-4,603.50	796.42	491.34	305.08	2.611		
12,500.00	7,098.00	12,319.66	6,995.52	159.17	153.05	-82.61	-1,302.80	-4,703.44	795.78	485.22	310.57	2.562		
12,600.00	7,096.56	12,419.65	6,993.41	161.95	155.83	-82.55	-1,305.29	-4,803.38	795.14	479.09	316.05	2.516		
12,700.00	7,095.12	12,519.65	6,991.30	164.73	158.61	-82.50	-1,307.79	-4,903.32	794.49	472.96	321.54	2.471		
12,800.00	7,093.67	12,619.64	6,989.19	167.52	161.40	-82.44	-1,310.28	-5,003.27	793.85	466.82	327.03	2.427		
12,900.00	7,092.23	12,719.64	6,987.08	170.31	164.18	-82.39	-1,312.78	-5,103.21	793.21	460.69	332.52	2.385		
13,000.00	7,090.79	12,819.63	6,984.98	173.09	166.97	-82.33	-1,315.27	-5,203.15	792.57	454.55	338.02	2.345		
13,100.00	7,089.34	12,919.63	6,982.87	175.89	169.76	-82.28	-1,317.77	-5,303.09	791.93	448.41	343.52	2.305		
13,200.00	7,087.90	13,019.62	6,980.76	178.68	172.55	-82.22	-1,320.26	-5,403.03	791.29	442.27	349.02	2.267		
13,300.00	7,086.46	13,119.62	6,978.65	181.47	175.34	-82.17	-1,322.76	-5,502.97	790.65	436.13	354.52	2.230		
13,400.00	7,085.01	13,219.61	6,976.54	184.27	178.14	-82.11	-1,325.25	-5,602.92	790.01	429.99	360.02	2.194		
13,500.00	7,083.57	13,319.61	6,974.44	187.07	180.93	-82.06	-1,327.75	-5,702.86	789.38	423.85	365.52	2.160		
13,600.00	7,082.13	13,419.60	6,972.33	189.86	183.73	-82.00	-1,330.24	-5,802.80	788.74	417.71	371.03	2.126		
13,700.00	7,080.68	13,519.60	6,970.22	192.66	186.53	-81.95	-1,332.74	-5,902.74	788.11	411.57	376.54	2.093		
13,800.00	7,079.24	13,619.59	6,968.11	195.47	189.33	-81.89	-1,335.23	-6,002.68	787.47	405.43	382.04	2.061		
13,900.00	7,077.80	13,719.59	6,966.00	198.27	192.13	-81.84	-1,337.73	-6,102.62	786.84	399.29	387.55	2.030		
14,000.00	7,076.36	13,819.58	6,963.89	201.07	194.94	-81.78	-1,340.22	-6,202.57	786.20	393.14	393.06	2.000		
14,100.00	7,074.91	13,919.58	6,961.79	203.88	197.74	-81.72	-1,342.72	-6,302.51	785.57	387.00	398.57	1.971		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,073.47	14,019.57	6,959.68	206.68	200.55	-81.67	-1,345.21	-6,402.45	784.94	380.86	404.08	1.943	
14,300.00	7,072.03	14,119.57	6,957.57	209.49	203.35	-81.61	-1,347.71	-6,502.39	784.31	374.72	409.59	1.915	
14,400.00	7,070.58	14,219.56	6,955.46	212.30	206.16	-81.56	-1,350.20	-6,602.33	783.68	368.58	415.10	1.888	
14,500.00	7,069.14	14,319.56	6,953.35	215.11	208.97	-81.50	-1,352.70	-6,702.27	783.05	362.44	420.61	1.862	
14,600.00	7,067.70	14,419.55	6,951.24	217.92	211.78	-81.44	-1,355.19	-6,802.22	782.42	356.30	426.12	1.836	
14,700.00	7,066.25	14,519.55	6,949.14	220.73	214.59	-81.39	-1,357.69	-6,902.16	781.79	350.16	431.63	1.811	
14,800.00	7,064.81	14,619.54	6,947.03	223.54	217.40	-81.33	-1,360.18	-7,002.10	781.16	344.03	437.14	1.787	
14,900.00	7,063.37	14,719.54	6,944.92	226.35	220.21	-81.28	-1,362.68	-7,102.04	780.54	337.89	442.65	1.763	
15,000.00	7,061.92	14,819.53	6,942.81	229.16	223.03	-81.22	-1,365.17	-7,201.98	779.91	331.75	448.16	1.740	
15,100.00	7,060.48	14,919.53	6,940.70	231.98	225.84	-81.16	-1,367.67	-7,301.93	779.29	325.62	453.67	1.718	
15,200.00	7,059.04	15,019.52	6,938.59	234.79	228.66	-81.11	-1,370.16	-7,401.87	778.66	319.49	459.17	1.696	
15,300.00	7,057.60	15,119.52	6,936.49	237.61	231.47	-81.05	-1,372.66	-7,501.81	778.04	313.36	464.68	1.674	
15,400.00	7,056.15	15,219.51	6,934.38	240.42	234.29	-80.99	-1,375.15	-7,601.75	777.42	307.23	470.19	1.653	
15,500.00	7,054.71	15,319.51	6,932.27	243.24	237.11	-80.94	-1,377.65	-7,701.69	776.79	301.10	475.69	1.633	
15,600.00	7,053.27	15,419.51	6,930.16	246.05	239.92	-80.88	-1,380.14	-7,801.63	776.17	294.97	481.20	1.613	
15,687.75	7,052.00	15,507.25	6,928.31	248.53	242.40	-80.83	-1,382.33	-7,889.34	775.63	289.60	486.03	1.596 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-99.81	-763.17	-4,414.60	4,480.09					
100.00	100.00	110.00	110.00	3.28	3.89	-99.81	-763.17	-4,414.60	4,480.09	4,472.91	7.18	624.276		
200.00	200.00	210.00	210.00	3.34	6.48	-99.81	-763.17	-4,414.60	4,480.09	4,470.27	9.81	456.477		
300.00	300.00	310.00	310.00	3.44	9.65	-99.81	-763.17	-4,414.60	4,480.09	4,466.99	13.10	342.096		
400.00	399.98	409.98	409.98	3.60	12.99	146.54	-763.17	-4,414.60	4,481.54	4,464.96	16.59	270.200		
500.00	499.84	509.84	509.84	3.79	16.38	146.53	-763.17	-4,414.60	4,485.91	4,465.73	20.18	222.316		
600.00	599.45	609.45	609.45	4.03	19.80	146.51	-763.17	-4,414.60	4,493.19	4,469.35	23.83	188.516		
700.00	698.70	708.70	708.70	4.30	23.23	146.48	-763.17	-4,414.60	4,503.37	4,475.84	27.53	163.568		
800.00	797.47	807.47	807.47	4.61	26.65	146.44	-763.17	-4,414.60	4,516.46	4,485.20	31.26	144.501		
900.00	895.62	905.62	905.62	4.96	30.05	146.40	-763.17	-4,414.60	4,532.45	4,497.45	34.99	129.522		
1,000.00	993.06	1,003.06	1,003.06	5.34	33.43	146.34	-763.17	-4,414.60	4,551.32	4,512.58	38.74	117.491		
1,100.00	1,089.64	1,100.36	1,099.64	5.75	36.81	146.27	-763.17	-4,414.60	4,573.08	4,530.58	42.51	107.589		
1,110.48	1,099.71	1,109.71	1,109.71	5.80	37.14	146.26	-763.17	-4,414.60	4,575.53	4,532.65	42.88	106.715		
1,200.00	1,185.67	1,204.33	1,195.67	6.20	40.43	146.43	-763.17	-4,414.60	4,596.58	4,550.06	46.53	98.798		
1,300.00	1,281.70	1,308.30	1,291.70	6.67	44.05	146.62	-763.17	-4,414.60	4,620.15	4,569.59	50.56	91.381		
1,400.00	1,377.72	1,387.72	1,387.72	7.16	46.82	146.81	-763.17	-4,414.60	4,643.76	4,590.01	53.75	86.390		
1,500.00	1,473.75	1,483.75	1,483.75	7.66	50.16	146.99	-763.17	-4,414.60	4,667.43	4,609.89	57.54	81.119		
1,600.00	1,569.77	1,579.77	1,579.77	8.17	53.51	147.18	-763.17	-4,414.60	4,691.14	4,629.80	61.33	76.487		
1,700.00	1,665.80	1,675.80	1,675.80	8.69	56.85	147.36	-763.17	-4,414.60	4,714.89	4,649.75	65.14	72.386		
1,800.00	1,761.82	1,771.82	1,771.82	9.22	60.20	147.54	-763.17	-4,414.60	4,738.69	4,669.75	68.95	68.731		
1,900.00	1,857.85	1,867.85	1,867.85	9.76	63.55	147.72	-763.17	-4,414.60	4,762.54	4,689.77	72.76	65.454		
2,000.00	1,953.87	1,963.87	1,963.87	10.30	66.89	147.89	-763.17	-4,414.60	4,786.42	4,709.84	76.58	62.501		
2,100.00	2,049.90	2,059.90	2,059.90	10.84	70.24	148.07	-763.17	-4,414.60	4,810.36	4,729.95	80.41	59.825		
2,200.00	2,145.92	2,155.92	2,155.92	11.39	73.59	148.24	-763.17	-4,414.60	4,834.33	4,750.10	84.23	57.391		
2,300.00	2,241.94	2,251.94	2,251.94	11.95	76.94	148.41	-763.17	-4,414.60	4,858.35	4,770.28	88.07	55.167		
2,400.00	2,337.97	2,347.97	2,347.97	12.50	80.29	148.58	-763.17	-4,414.60	4,882.41	4,790.51	91.90	53.128		
2,500.00	2,433.99	2,443.99	2,443.99	13.06	83.64	148.75	-763.17	-4,414.60	4,906.51	4,810.77	95.74	51.251		
2,600.00	2,530.02	2,540.02	2,540.02	13.63	86.99	148.92	-763.17	-4,414.60	4,930.65	4,831.07	99.57	49.518		
2,700.00	2,626.04	2,636.04	2,636.04	14.19	90.34	149.08	-763.17	-4,414.60	4,954.83	4,851.41	103.41	47.913		
2,800.00	2,722.07	2,732.07	2,732.07	14.76	93.69	149.25	-763.17	-4,414.60	4,979.05	4,871.79	107.25	46.423		
2,900.00	2,818.09	2,828.09	2,828.09	15.32	97.04	149.41	-763.17	-4,414.60	5,003.30	4,892.21	111.09	45.036		
3,000.00	2,914.12	2,924.12	2,924.12	15.89	100.39	149.57	-763.17	-4,414.60	5,027.60	4,912.66	114.94	43.742		
3,100.00	3,010.14	3,020.14	3,020.14	16.46	103.74	149.73	-763.17	-4,414.60	5,051.93	4,933.15	118.78	42.531		
3,200.00	3,106.17	3,116.17	3,116.17	17.03	107.09	149.88	-763.17	-4,414.60	5,076.30	4,953.67	122.63	41.397		
3,298.02	3,200.29	3,210.29	3,210.29	17.59	110.37	150.04	-763.17	-4,414.60	5,100.22	4,973.83	126.39	40.352		
3,300.00	3,202.19	3,212.19	3,212.19	17.60	110.44	150.05	-763.17	-4,414.60	5,100.70	4,974.23	126.47	40.331		
3,400.00	3,298.70	3,308.70	3,308.70	18.16	113.81	150.42	-763.17	-4,414.60	5,123.61	4,993.29	130.32	39.314		
3,500.00	3,396.07	3,406.07	3,406.07	18.68	117.21	150.75	-763.17	-4,414.60	5,143.59	5,009.39	134.19	38.329		
3,600.00	3,494.17	3,504.17	3,504.17	19.18	120.63	151.02	-763.17	-4,414.60	5,160.59	5,022.51	138.08	37.375		
3,700.00	3,592.88	3,602.88	3,602.88	19.64	124.07	151.24	-763.17	-4,414.60	5,174.58	5,032.62	141.97	36.449		
3,800.00	3,692.10	3,702.10	3,702.10	20.08	127.54	151.41	-763.17	-4,414.60	5,185.55	5,039.69	145.86	35.552		
3,900.00	3,791.69	3,801.69	3,801.69	20.49	131.01	151.54	-763.17	-4,414.60	5,193.48	5,043.73	149.75	34.681		
4,000.00	3,891.53	3,901.53	3,901.53	20.88	134.50	151.61	-763.17	-4,414.60	5,198.34	5,044.70	153.64	33.835		
4,108.50	4,000.00	4,010.00	4,010.00	21.27	138.28	-94.71	-763.17	-4,414.60	5,200.15	5,042.32	157.83	32.947		
4,200.00	4,091.50	4,101.50	4,101.50	21.58	141.48	-94.71	-763.17	-4,414.60	5,200.15	5,038.80	161.35	32.229		
4,300.00	4,191.50	4,201.50	4,201.50	21.92	144.97	-94.71	-763.17	-4,414.60	5,200.15	5,034.95	165.20	31.478		
4,400.00	4,291.50	4,301.50	4,301.50	22.27	148.46	-94.71	-763.17	-4,414.60	5,200.15	5,031.10	169.05	30.761		
4,500.00	4,391.50	4,401.50	4,401.50	22.62	151.95	-94.71	-763.17	-4,414.60	5,200.15	5,027.25	172.91	30.075		
4,600.00	4,491.50	4,501.50	4,501.50	22.97	155.44	-94.71	-763.17	-4,414.60	5,200.15	5,023.39	176.76	29.419		
4,700.00	4,591.50	4,601.50	4,601.50	23.33	158.93	-94.71	-763.17	-4,414.60	5,200.15	5,019.53	180.62	28.790		
4,800.00	4,691.50	4,701.50	4,701.50	23.69	162.42	-94.71	-763.17	-4,414.60	5,200.15	5,015.66	184.49	28.187		
4,900.00	4,791.50	4,801.50	4,801.50	24.05	165.91	-94.71	-763.17	-4,414.60	5,200.15	5,011.80	188.35	27.609		

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 13C-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 13C-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		
5,000.00	4,891.50	4,901.50	4,901.50	24.42	169.40	-94.71	-763.17	-4,414.60	5,200.15	5,007.93	192.22	27.053		
5,100.00	4,991.50	5,001.50	5,001.50	24.78	172.89	-94.71	-763.17	-4,414.60	5,200.15	5,004.06	196.09	26.519		
5,200.00	5,091.50	5,101.50	5,101.50	25.15	176.38	-94.71	-763.17	-4,414.60	5,200.15	5,000.19	199.96	26.006		
5,300.00	5,191.50	5,201.50	5,201.50	25.53	179.87	-94.71	-763.17	-4,414.60	5,200.15	4,996.32	203.83	25.512		
5,400.00	5,291.50	5,301.50	5,301.50	25.90	183.36	-94.71	-763.17	-4,414.60	5,200.15	4,992.44	207.71	25.036		
5,500.00	5,391.50	5,401.50	5,401.50	26.28	186.85	-94.71	-763.17	-4,414.60	5,200.15	4,988.56	211.59	24.577		
5,600.00	5,491.50	5,501.50	5,501.50	26.65	190.34	-94.71	-763.17	-4,414.60	5,200.15	4,984.68	215.47	24.134		
5,700.00	5,591.50	5,601.50	5,601.50	27.03	193.83	-94.71	-763.17	-4,414.60	5,200.15	4,980.80	219.35	23.707		
5,800.00	5,691.50	5,701.50	5,701.50	27.41	197.32	-94.71	-763.17	-4,414.60	5,200.15	4,976.92	223.23	23.295		
5,900.00	5,791.50	5,801.50	5,801.50	27.80	200.81	-94.71	-763.17	-4,414.60	5,200.15	4,973.04	227.11	22.897		
6,000.00	5,891.50	5,901.50	5,901.50	28.18	204.30	-94.71	-763.17	-4,414.60	5,200.15	4,969.15	231.00	22.512		
6,100.00	5,991.50	6,001.50	6,001.50	28.57	207.79	-94.71	-763.17	-4,414.60	5,200.15	4,965.26	234.89	22.139		
6,200.00	6,091.50	6,101.50	6,101.50	28.96	211.28	-94.71	-763.17	-4,414.60	5,200.15	4,961.38	238.77	21.779		
6,300.00	6,191.50	6,201.50	6,201.50	29.35	214.77	-94.71	-763.17	-4,414.60	5,200.15	4,957.49	242.66	21.429		
6,400.00	6,291.50	6,301.50	6,301.50	29.74	218.27	-94.71	-763.17	-4,414.60	5,200.15	4,953.60	246.55	21.091		
6,500.00	6,391.50	6,401.50	6,401.50	30.13	221.76	-94.71	-763.17	-4,414.60	5,200.15	4,949.71	250.45	20.764		
6,600.00	6,491.50	6,501.50	6,501.50	30.52	225.25	-94.71	-763.17	-4,414.60	5,200.15	4,945.81	254.34	20.446		
6,639.95	6,531.45	6,541.45	6,541.45	30.68	226.64	-94.71	-763.17	-4,414.60	5,200.15	4,944.26	255.89	20.322		
6,650.00	6,541.50	6,551.50	6,551.50	30.72	226.99	-2.86	-763.17	-4,414.60	5,200.07	4,943.79	256.28	20.290		
6,700.00	6,591.41	6,601.41	6,601.41	30.90	228.73	-2.87	-763.17	-4,414.60	5,197.32	4,939.11	258.21	20.128		
6,750.00	6,640.95	6,650.95	6,650.95	31.09	230.46	-2.90	-763.17	-4,414.60	5,190.67	4,930.56	260.12	19.955		
6,800.00	6,689.82	6,700.18	6,699.82	31.29	232.18	-2.96	-763.17	-4,414.60	5,180.16	4,918.16	262.00	19.771		
6,850.00	6,737.71	6,747.71	6,747.71	31.49	233.84	-3.04	-763.17	-4,414.60	5,165.85	4,902.04	263.82	19.581		
6,900.00	6,784.33	6,805.67	6,794.33	31.70	235.86	-3.14	-763.17	-4,414.60	5,147.84	4,881.86	265.98	19.354		
6,950.00	6,829.39	6,839.39	6,839.39	31.92	237.04	-3.28	-763.17	-4,414.60	5,126.22	4,858.94	267.28	19.179		
7,000.00	6,872.61	6,882.61	6,882.61	32.15	238.55	-3.45	-763.17	-4,414.60	5,101.14	4,832.24	268.91	18.970		
7,050.00	6,913.73	6,923.73	6,923.73	32.41	239.98	-3.66	-763.17	-4,414.60	5,072.76	4,802.32	270.44	18.757		
7,100.00	6,952.49	6,962.49	6,962.49	32.68	241.34	-3.93	-763.17	-4,414.60	5,041.24	4,769.35	271.88	18.542		
7,150.00	6,988.66	7,001.34	6,998.66	32.98	242.69	-4.26	-763.17	-4,414.60	5,006.78	4,733.46	273.31	18.319		
7,200.00	7,022.01	7,032.01	7,032.01	33.31	243.76	-4.68	-763.17	-4,414.60	4,969.59	4,695.14	274.44	18.108		
7,250.00	7,052.33	7,062.33	7,062.33	33.67	244.82	-5.23	-763.17	-4,414.60	4,929.90	4,654.35	275.55	17.891		
7,300.00	7,079.44	7,089.44	7,089.44	34.07	245.77	-5.95	-763.17	-4,414.60	4,887.97	4,611.43	276.54	17.676		
7,350.00	7,103.17	7,113.17	7,113.17	34.51	246.60	-6.94	-763.17	-4,414.60	4,844.03	4,566.64	277.40	17.462		
7,400.00	7,123.38	7,133.38	7,133.38	34.98	247.30	-8.36	-763.17	-4,414.60	4,798.38	4,520.25	278.13	17.253		
7,450.00	7,139.94	7,149.94	7,149.94	35.50	247.88	-10.53	-763.17	-4,414.60	4,751.28	4,472.56	278.72	17.047		
7,500.00	7,152.75	7,162.75	7,162.75	36.05	248.33	-14.20	-763.17	-4,414.60	4,703.04	4,423.86	279.18	16.846		
7,550.00	7,161.73	7,171.73	7,171.73	36.64	248.64	-21.60	-763.17	-4,414.60	4,653.94	4,374.44	279.50	16.651		
7,600.00	7,166.82	7,176.82	7,176.82	37.26	248.82	-41.95	-763.17	-4,414.60	4,604.29	4,324.60	279.69	16.462		
7,649.14	7,168.00	7,178.00	7,178.00	37.89	248.86	-104.21	-763.17	-4,414.60	4,555.26	4,275.52	279.74	16.284		
7,700.00	7,167.27	7,177.27	7,177.27	38.57	248.84	-104.06	-763.17	-4,414.60	4,504.48	4,224.75	279.73	16.103		
7,800.00	7,165.83	7,175.83	7,175.83	40.04	248.78	-103.76	-763.17	-4,414.60	4,404.66	4,124.96	279.71	15.748		
7,900.00	7,164.38	7,174.38	7,174.38	41.66	248.73	-103.46	-763.17	-4,414.60	4,304.85	4,025.17	279.68	15.392		
8,000.00	7,162.94	7,172.94	7,172.94	43.40	248.68	-103.16	-763.17	-4,414.60	4,205.05	3,925.38	279.67	15.036		
8,100.00	7,161.50	7,171.50	7,171.50	45.26	248.63	-102.85	-763.17	-4,414.60	4,105.25	3,825.60	279.65	14.680		
8,200.00	7,160.05	7,170.05	7,170.05	47.21	248.58	-102.55	-763.17	-4,414.60	4,005.47	3,725.82	279.64	14.323		
8,300.00	7,158.61	7,168.61	7,168.61	49.26	248.53	-102.24	-763.17	-4,414.60	3,905.69	3,626.05	279.64	13.967		
8,400.00	7,157.17	7,167.17	7,167.17	51.38	248.48	-101.94	-763.17	-4,414.60	3,805.93	3,526.29	279.64	13.610		
8,500.00	7,155.73	7,165.73	7,165.73	53.57	248.43	-101.63	-763.17	-4,414.60	3,706.18	3,426.53	279.64	13.253		
8,600.00	7,154.28	7,164.28	7,164.28	55.82	248.38	-101.33	-763.17	-4,414.60	3,606.44	3,326.78	279.66	12.896		
8,700.00	7,152.84	7,162.84	7,162.84	58.12	248.33	-101.02	-763.17	-4,414.60	3,506.72	3,227.04	279.67	12.539		
8,800.00	7,151.40	7,161.40	7,161.40	60.47	248.28	-100.71	-763.17	-4,414.60	3,407.01	3,127.31	279.70	12.181		
8,900.00	7,149.95	7,159.95	7,159.95	62.86	248.23	-100.40	-763.17	-4,414.60	3,307.32	3,027.59	279.73	11.823		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	7,158.51	7,158.51	65.28	248.18	-100.10	-763.17	-4,414.60	3,207.64	2,927.87	279.77	11.465		
9,100.00	7,147.07	7,157.07	7,157.07	67.74	248.13	-99.79	-763.17	-4,414.60	3,107.99	2,828.17	279.82	11.107		
9,200.00	7,145.62	7,155.62	7,155.62	70.23	248.08	-99.48	-763.17	-4,414.60	3,008.36	2,728.48	279.89	10.749		
9,300.00	7,144.18	7,154.18	7,154.18	72.74	248.03	-99.16	-763.17	-4,414.60	2,908.76	2,628.80	279.96	10.390		
9,400.00	7,142.74	7,152.74	7,152.74	75.28	247.98	-98.85	-763.17	-4,414.60	2,809.18	2,529.13	280.05	10.031		
9,500.00	7,141.29	7,151.29	7,151.29	77.84	247.93	-98.54	-763.17	-4,414.60	2,709.63	2,429.47	280.16	9.672		
9,600.00	7,139.85	7,149.85	7,149.85	80.42	247.88	-98.23	-763.17	-4,414.60	2,610.12	2,329.84	280.28	9.312		
9,700.00	7,138.41	7,148.41	7,148.41	83.01	247.83	-97.92	-763.17	-4,414.60	2,510.64	2,230.21	280.43	8.953		
9,800.00	7,136.97	7,146.97	7,146.97	85.62	247.78	-97.60	-763.17	-4,414.60	2,411.21	2,130.61	280.60	8.593		
9,900.00	7,135.52	7,145.52	7,145.52	88.25	247.73	-97.29	-763.17	-4,414.60	2,311.82	2,031.02	280.80	8.233		
10,000.00	7,134.08	7,144.08	7,144.08	90.89	247.68	-96.98	-763.17	-4,414.60	2,212.49	1,931.45	281.04	7.873		
10,100.00	7,132.64	7,142.64	7,142.64	93.54	247.63	-96.66	-763.17	-4,414.60	2,113.22	1,831.91	281.32	7.512		
10,200.00	7,131.19	7,141.19	7,141.19	96.20	247.58	-96.35	-763.17	-4,414.60	2,014.03	1,732.38	281.64	7.151		
10,300.00	7,129.75	7,139.75	7,139.75	98.87	247.53	-96.03	-763.17	-4,414.60	1,914.91	1,632.88	282.03	6.790		
10,400.00	7,128.31	7,138.31	7,138.31	101.55	247.48	-95.72	-763.17	-4,414.60	1,815.89	1,533.41	282.48	6.428		
10,500.00	7,126.86	7,136.86	7,136.86	104.24	247.42	-95.40	-763.17	-4,414.60	1,716.98	1,433.96	283.03	6.066		
10,600.00	7,125.42	7,135.42	7,135.42	106.94	247.37	-95.08	-763.17	-4,414.60	1,618.21	1,334.53	283.68	5.704		
10,700.00	7,123.98	7,133.98	7,133.98	109.64	247.32	-94.77	-763.17	-4,414.60	1,519.60	1,235.14	284.45	5.342		
10,800.00	7,122.53	7,132.53	7,132.53	112.36	247.27	-94.45	-763.17	-4,414.60	1,421.17	1,135.77	285.40	4.980		
10,900.00	7,121.09	7,131.09	7,131.09	115.08	247.22	-94.13	-763.17	-4,414.60	1,322.98	1,036.44	286.55	4.617		
11,000.00	7,119.65	7,129.65	7,129.65	117.80	247.17	-93.81	-763.17	-4,414.60	1,225.09	937.13	287.96	4.254		
11,100.00	7,118.20	7,128.20	7,128.20	120.53	247.12	-93.50	-763.17	-4,414.60	1,127.56	837.84	289.72	3.892		
11,200.00	7,116.76	7,126.76	7,126.76	123.26	247.07	-93.18	-763.17	-4,414.60	1,030.50	738.59	291.92	3.530		
11,300.00	7,115.32	7,125.32	7,125.32	126.00	247.02	-92.86	-763.17	-4,414.60	934.07	639.36	294.71	3.169		
11,400.00	7,113.88	7,123.88	7,123.88	128.75	246.97	-92.54	-763.17	-4,414.60	838.46	540.16	298.30	2.811		
11,500.00	7,112.43	7,122.43	7,122.43	131.50	246.92	-92.22	-763.17	-4,414.60	744.01	441.01	303.00	2.456		
11,600.00	7,110.99	7,120.99	7,120.99	134.25	246.87	-91.91	-763.17	-4,414.60	651.21	341.99	309.22	2.106		
11,700.00	7,109.55	7,119.55	7,119.55	137.01	246.82	-91.59	-763.17	-4,414.60	560.89	243.27	317.62	1.766		
11,800.00	7,108.10	7,118.10	7,118.10	139.77	246.77	-91.27	-763.17	-4,414.60	474.47	145.38	329.09	1.442 Level 3		
11,900.00	7,106.66	7,116.66	7,116.66	142.53	246.72	-90.95	-763.17	-4,414.60	394.51	49.79	344.72	1.144 Level 2		
12,000.00	7,105.22	7,115.22	7,115.22	145.30	246.67	-90.63	-763.17	-4,414.60	325.80	-39.13	364.94	0.893 Level 1		
12,100.00	7,103.77	7,113.77	7,113.77	148.06	246.62	-90.31	-763.17	-4,414.60	276.87	-109.42	386.29	0.717 Level 1		
12,197.49	7,102.37	7,112.37	7,112.37	150.77	246.57	-90.00	-763.17	-4,414.60	259.14	-138.19	397.32	0.652 Level 1, CC		
12,200.00	7,102.33	7,112.33	7,112.33	150.84	246.57	-89.99	-763.17	-4,414.60	259.15	-138.22	397.37	0.652 Level 1, ES, SF		
12,300.00	7,100.89	7,110.89	7,110.89	153.61	246.52	-89.67	-763.17	-4,414.60	278.67	-110.50	389.17	0.716 Level 1		
12,400.00	7,099.44	7,109.44	7,109.44	156.39	246.47	-89.35	-763.17	-4,414.60	328.87	-41.30	370.17	0.888 Level 1		
12,500.00	7,098.00	7,108.00	7,108.00	159.17	246.42	-89.03	-763.17	-4,414.60	398.30	46.81	351.49	1.133 Level 2		
12,600.00	7,096.56	7,106.56	7,106.56	161.95	246.37	-88.72	-763.17	-4,414.60	478.68	141.97	336.70	1.422 Level 3		
12,700.00	7,095.12	7,105.12	7,105.12	164.73	246.32	-88.40	-763.17	-4,414.60	565.34	239.71	325.63	1.736		
12,800.00	7,093.67	7,103.67	7,103.67	167.52	246.27	-88.08	-763.17	-4,414.60	655.81	338.46	317.36	2.066		
12,900.00	7,092.23	7,102.23	7,102.23	170.31	246.22	-87.76	-763.17	-4,414.60	748.71	437.61	311.10	2.407		
13,000.00	7,090.79	7,100.79	7,100.79	173.09	246.17	-87.44	-763.17	-4,414.60	843.23	536.96	306.27	2.753		
13,100.00	7,089.34	7,100.66	7,099.34	175.89	246.16	-87.12	-763.17	-4,414.60	938.88	636.35	302.53	3.103		
13,200.00	7,087.90	7,102.10	7,097.90	178.68	246.21	-86.80	-763.17	-4,414.60	1,035.36	735.75	299.61	3.456		
13,300.00	7,086.46	7,103.54	7,096.46	181.47	246.26	-86.49	-763.17	-4,414.60	1,132.44	835.17	297.27	3.809		
13,400.00	7,085.01	7,104.99	7,095.01	184.27	246.31	-86.17	-763.17	-4,414.60	1,229.99	934.62	295.37	4.164		
13,500.00	7,083.57	7,106.43	7,093.57	187.07	246.36	-85.85	-763.17	-4,414.60	1,327.90	1,034.10	293.81	4.520		
13,600.00	7,082.13	7,107.87	7,092.13	189.86	246.41	-85.53	-763.17	-4,414.60	1,426.10	1,133.59	292.51	4.875		
13,700.00	7,080.68	7,109.32	7,090.68	192.66	246.46	-85.22	-763.17	-4,414.60	1,524.54	1,233.10	291.44	5.231		
13,800.00	7,079.24	7,089.24	7,089.24	195.47	245.76	-84.90	-763.17	-4,414.60	1,623.16	1,333.38	289.78	5.601		
13,900.00	7,077.80	7,087.80	7,087.80	198.27	245.71	-84.58	-763.17	-4,414.60	1,721.94	1,433.02	288.92	5.960		
14,000.00	7,076.36	7,086.36	7,086.36	201.07	245.66	-84.27	-763.17	-4,414.60	1,820.85	1,532.68	288.17	6.319		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,074.91	7,084.91	7,084.91	203.88	245.61	-83.95	-763.17	-4,414.60	1,919.88	1,632.36	287.52	6.677	
14,200.00	7,073.47	7,083.47	7,083.47	206.68	245.56	-83.64	-763.17	-4,414.60	2,019.00	1,732.05	286.95	7.036	
14,300.00	7,072.03	7,082.03	7,082.03	209.49	245.51	-83.32	-763.17	-4,414.60	2,118.20	1,831.75	286.45	7.395	
14,400.00	7,070.58	7,080.58	7,080.58	212.30	245.46	-83.01	-763.17	-4,414.60	2,217.47	1,931.46	286.01	7.753	
14,500.00	7,069.14	7,079.14	7,079.14	215.11	245.41	-82.69	-763.17	-4,414.60	2,316.81	2,031.19	285.62	8.112	
14,600.00	7,067.70	7,077.70	7,077.70	217.92	245.36	-82.38	-763.17	-4,414.60	2,416.19	2,130.92	285.27	8.470	
14,700.00	7,066.25	7,076.25	7,076.25	220.73	245.31	-82.07	-763.17	-4,414.60	2,515.63	2,230.67	284.96	8.828	
14,800.00	7,064.81	7,074.81	7,074.81	223.54	245.26	-81.75	-763.17	-4,414.60	2,615.11	2,330.42	284.68	9.186	
14,900.00	7,063.37	7,073.37	7,073.37	226.35	245.21	-81.44	-763.17	-4,414.60	2,714.62	2,430.19	284.44	9.544	
15,000.00	7,061.92	7,071.92	7,071.92	229.16	245.16	-81.13	-763.17	-4,414.60	2,814.17	2,529.96	284.21	9.902	
15,100.00	7,060.48	7,070.48	7,070.48	231.98	245.11	-80.82	-763.17	-4,414.60	2,913.75	2,629.74	284.01	10.259	
15,200.00	7,059.04	7,069.04	7,069.04	234.79	245.06	-80.51	-763.17	-4,414.60	3,013.36	2,729.53	283.83	10.617	
15,300.00	7,057.60	7,067.60	7,067.60	237.61	245.01	-80.20	-763.17	-4,414.60	3,112.99	2,829.32	283.67	10.974	
15,400.00	7,056.15	7,066.15	7,066.15	240.42	244.96	-79.89	-763.17	-4,414.60	3,212.64	2,929.12	283.52	11.331	
15,500.00	7,054.71	7,064.71	7,064.71	243.24	244.91	-79.58	-763.17	-4,414.60	3,312.32	3,028.93	283.39	11.688	
15,600.00	7,053.27	7,063.27	7,063.27	246.05	244.86	-79.27	-763.17	-4,414.60	3,412.01	3,128.74	283.27	12.045	
15,687.75	7,052.00	7,062.00	7,062.00	248.53	244.81	-79.00	-763.17	-4,414.60	3,499.51	3,216.33	283.17	12.358	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-84.44	413.49	-4,244.59	4,264.82					
100.00	100.00	66.00	66.00	3.28	1.15	-84.44	413.49	-4,244.59	4,264.68	4,260.24	4.44	961.205		
200.00	200.00	166.00	166.00	3.34	4.05	-84.44	413.49	-4,244.59	4,264.68	4,257.29	7.39	577.354		
300.00	300.00	266.00	266.00	3.44	7.54	-84.44	413.49	-4,244.59	4,264.68	4,253.70	10.99	388.211		
400.00	399.98	365.98	365.98	3.60	11.03	161.91	413.49	-4,244.59	4,266.34	4,251.71	14.63	291.634		
500.00	499.84	465.84	465.84	3.79	14.52	161.90	413.49	-4,244.59	4,271.31	4,253.00	18.31	233.266		
600.00	599.45	565.45	565.45	4.03	17.99	161.89	413.49	-4,244.59	4,279.60	4,257.58	22.03	194.301		
700.00	698.70	664.70	664.70	4.30	21.46	161.86	413.49	-4,244.59	4,291.19	4,265.43	25.76	166.562		
800.00	797.47	763.47	763.47	4.61	24.91	161.83	413.49	-4,244.59	4,306.07	4,276.56	29.51	145.896		
900.00	895.62	861.62	861.62	4.96	28.33	161.80	413.49	-4,244.59	4,324.23	4,290.96	33.27	129.968		
1,000.00	993.06	959.06	959.06	5.34	31.74	161.75	413.49	-4,244.59	4,345.65	4,308.63	37.03	117.365		
1,100.00	1,089.64	1,055.64	1,055.64	5.75	35.11	161.70	413.49	-4,244.59	4,370.31	4,329.54	40.77	107.185		
1,110.48	1,099.71	1,065.71	1,065.71	5.80	35.46	161.69	413.49	-4,244.59	4,373.08	4,331.91	41.17	106.218		
1,200.00	1,185.67	1,151.67	1,151.67	6.20	38.46	161.80	413.49	-4,244.59	4,396.90	4,352.39	44.51	98.775		
1,300.00	1,281.70	1,247.70	1,247.70	6.67	41.81	161.91	413.49	-4,244.59	4,423.53	4,375.27	48.26	91.653		
1,400.00	1,377.72	1,343.72	1,343.72	7.16	45.16	162.02	413.49	-4,244.59	4,450.17	4,398.15	52.03	85.538		
1,500.00	1,473.75	1,439.75	1,439.75	7.66	48.52	162.13	413.49	-4,244.59	4,476.83	4,421.03	55.80	80.232		
1,600.00	1,569.77	1,535.77	1,535.77	8.17	51.87	162.24	413.49	-4,244.59	4,503.51	4,443.93	59.58	75.587		
1,700.00	1,665.80	1,631.80	1,631.80	8.69	55.22	162.35	413.49	-4,244.59	4,530.20	4,466.83	63.37	71.489		
1,800.00	1,761.82	1,727.82	1,727.82	9.22	58.57	162.45	413.49	-4,244.59	4,556.90	4,489.74	67.16	67.847		
1,900.00	1,857.85	1,823.85	1,823.85	9.76	61.93	162.56	413.49	-4,244.59	4,583.62	4,512.65	70.96	64.590		
2,000.00	1,953.87	1,919.87	1,919.87	10.30	65.28	162.66	413.49	-4,244.59	4,610.35	4,535.58	74.77	61.661		
2,100.00	2,049.90	2,015.90	2,015.90	10.84	68.63	162.76	413.49	-4,244.59	4,637.10	4,558.52	78.58	59.013		
2,200.00	2,145.92	2,111.92	2,111.92	11.39	71.98	162.86	413.49	-4,244.59	4,663.86	4,581.47	82.39	56.607		
2,300.00	2,241.94	2,207.94	2,207.94	11.95	75.33	162.96	413.49	-4,244.59	4,690.63	4,604.42	86.20	54.413		
2,400.00	2,337.97	2,303.97	2,303.97	12.50	78.69	163.06	413.49	-4,244.59	4,717.42	4,627.39	90.02	52.403		
2,500.00	2,433.99	2,400.01	2,399.99	13.06	82.04	163.16	413.49	-4,244.59	4,744.22	4,650.37	93.84	50.555		
2,600.00	2,530.02	2,503.98	2,496.02	13.63	85.67	163.26	413.49	-4,244.59	4,771.03	4,673.09	97.94	48.713		
2,700.00	2,626.04	2,607.96	2,592.04	14.19	89.30	163.35	413.49	-4,244.59	4,797.85	4,695.81	102.04	47.019		
2,800.00	2,722.07	2,688.07	2,688.07	14.76	92.10	163.45	413.49	-4,244.59	4,824.69	4,719.38	105.31	45.814		
2,900.00	2,818.09	2,784.09	2,784.09	15.32	95.45	163.54	413.49	-4,244.59	4,851.54	4,742.40	109.14	44.454		
3,000.00	2,914.12	2,880.12	2,880.12	15.89	98.80	163.63	413.49	-4,244.59	4,878.40	4,765.44	112.96	43.186		
3,100.00	3,010.14	2,976.14	2,976.14	16.46	102.15	163.73	413.49	-4,244.59	4,905.27	4,788.48	116.79	42.000		
3,200.00	3,106.17	3,072.17	3,072.17	17.03	105.50	163.82	413.49	-4,244.59	4,932.16	4,811.54	120.62	40.890		
3,298.02	3,200.29	3,166.29	3,166.29	17.59	108.79	163.90	413.49	-4,244.59	4,958.52	4,834.15	124.37	39.868		
3,300.00	3,202.19	3,168.19	3,168.19	17.60	108.86	163.91	413.49	-4,244.59	4,959.05	4,834.60	124.45	39.848		
3,400.00	3,298.70	3,264.70	3,264.70	18.16	112.23	164.14	413.49	-4,244.59	4,984.28	4,855.99	128.29	38.852		
3,500.00	3,396.07	3,362.07	3,362.07	18.68	115.62	164.33	413.49	-4,244.59	5,006.24	4,874.09	132.15	37.883		
3,600.00	3,494.17	3,460.17	3,460.17	19.18	119.05	164.49	413.49	-4,244.59	5,024.93	4,888.90	136.03	36.941		
3,700.00	3,592.88	3,558.88	3,558.88	19.64	122.50	164.62	413.49	-4,244.59	5,040.30	4,900.39	139.92	36.024		
3,800.00	3,692.10	3,658.10	3,658.10	20.08	125.96	164.72	413.49	-4,244.59	5,052.35	4,908.54	143.81	35.132		
3,900.00	3,791.69	3,757.69	3,757.69	20.49	129.44	164.80	413.49	-4,244.59	5,061.04	4,913.34	147.71	34.264		
4,000.00	3,891.53	3,857.53	3,857.53	20.88	132.92	164.84	413.49	-4,244.59	5,066.38	4,914.78	151.60	33.420		
4,108.50	4,000.00	3,966.00	3,966.00	21.27	136.71	-81.49	413.49	-4,244.59	5,068.36	4,912.56	155.80	32.532		
4,200.00	4,091.50	4,057.50	4,057.50	21.58	139.90	-81.49	413.49	-4,244.59	5,068.36	4,909.04	159.32	31.812		
4,300.00	4,191.50	4,157.50	4,157.50	21.92	143.39	-81.49	413.49	-4,244.59	5,068.36	4,905.18	163.18	31.060		
4,400.00	4,291.50	4,257.50	4,257.50	22.27	146.88	-81.49	413.49	-4,244.59	5,068.36	4,901.32	167.04	30.342		
4,500.00	4,391.50	4,357.50	4,357.50	22.62	150.38	-81.49	413.49	-4,244.59	5,068.36	4,897.46	170.90	29.657		
4,600.00	4,491.50	4,457.50	4,457.50	22.97	153.87	-81.49	413.49	-4,244.59	5,068.36	4,893.60	174.76	29.001		
4,700.00	4,591.50	4,557.50	4,557.50	23.33	157.36	-81.49	413.49	-4,244.59	5,068.36	4,889.73	178.63	28.373		
4,800.00	4,691.50	4,657.50	4,657.50	23.69	160.85	-81.49	413.49	-4,244.59	5,068.36	4,885.86	182.50	27.772		
4,900.00	4,791.50	4,757.50	4,757.50	24.05	164.34	-81.49	413.49	-4,244.59	5,068.36	4,881.99	186.37	27.195		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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)					
5,000.00	4,891.50	4,857.50	4,857.50	24.42	167.83	-81.49	413.49	-4,244.59	5,068.36	4,878.12	190.25	26.641				
5,100.00	4,991.50	4,957.50	4,957.50	24.78	171.32	-81.49	413.49	-4,244.59	5,068.36	4,874.24	194.12	26.109				
5,200.00	5,091.50	5,057.50	5,057.50	25.15	174.81	-81.49	413.49	-4,244.59	5,068.36	4,870.36	198.00	25.598				
5,300.00	5,191.50	5,157.50	5,157.50	25.53	178.30	-81.49	413.49	-4,244.59	5,068.36	4,866.48	201.88	25.106				
5,400.00	5,291.50	5,257.50	5,257.50	25.90	181.79	-81.49	413.49	-4,244.59	5,068.36	4,862.60	205.76	24.632				
5,500.00	5,391.50	5,357.50	5,357.50	26.28	185.29	-81.49	413.49	-4,244.59	5,068.36	4,858.72	209.64	24.176				
5,600.00	5,491.50	5,457.50	5,457.50	26.65	188.78	-81.49	413.49	-4,244.59	5,068.36	4,854.83	213.53	23.736				
5,700.00	5,591.50	5,557.50	5,557.50	27.03	192.27	-81.49	413.49	-4,244.59	5,068.36	4,850.95	217.41	23.312				
5,800.00	5,691.50	5,657.50	5,657.50	27.41	195.76	-81.49	413.49	-4,244.59	5,068.36	4,847.06	221.30	22.903				
5,900.00	5,791.50	5,757.50	5,757.50	27.80	199.25	-81.49	413.49	-4,244.59	5,068.36	4,843.17	225.19	22.507				
6,000.00	5,891.50	5,857.50	5,857.50	28.18	202.74	-81.49	413.49	-4,244.59	5,068.36	4,839.28	229.08	22.125				
6,100.00	5,991.50	5,957.50	5,957.50	28.57	206.23	-81.49	413.49	-4,244.59	5,068.36	4,835.39	232.97	21.755				
6,200.00	6,091.50	6,057.50	6,057.50	28.96	209.72	-81.49	413.49	-4,244.59	5,068.36	4,831.50	236.86	21.398				
6,300.00	6,191.50	6,157.50	6,157.50	29.35	213.21	-81.49	413.49	-4,244.59	5,068.36	4,827.60	240.76	21.052				
6,400.00	6,291.50	6,257.50	6,257.50	29.74	216.70	-81.49	413.49	-4,244.59	5,068.36	4,823.71	244.65	20.717				
6,500.00	6,391.50	6,357.50	6,357.50	30.13	220.20	-81.49	413.49	-4,244.59	5,068.36	4,819.81	248.55	20.392				
6,600.00	6,491.50	6,457.50	6,457.50	30.52	223.69	-81.49	413.49	-4,244.59	5,068.36	4,815.92	252.44	20.077				
6,639.95	6,531.45	6,502.55	6,497.45	30.68	225.26	-81.49	413.49	-4,244.59	5,068.36	4,814.18	254.18	19.940				
6,650.00	6,541.50	6,507.50	6,507.50	30.72	225.43	10.36	413.49	-4,244.59	5,068.28	4,813.89	254.39	19.923				
6,700.00	6,591.41	6,557.41	6,557.41	30.90	227.17	10.41	413.49	-4,244.59	5,065.58	4,809.26	256.32	19.763				
6,750.00	6,640.95	6,606.95	6,606.95	31.09	228.90	10.53	413.49	-4,244.59	5,059.03	4,800.80	258.23	19.591				
6,800.00	6,689.82	6,655.82	6,655.82	31.29	230.61	10.73	413.49	-4,244.59	5,048.68	4,788.58	260.10	19.411				
6,850.00	6,737.71	6,703.71	6,703.71	31.49	232.28	11.01	413.49	-4,244.59	5,034.59	4,772.66	261.92	19.222				
6,900.00	6,784.33	6,750.33	6,750.33	31.70	233.91	11.38	413.49	-4,244.59	5,016.85	4,753.16	263.68	19.026				
6,950.00	6,829.39	6,804.61	6,795.39	31.92	235.80	11.86	413.49	-4,244.59	4,995.57	4,729.87	265.70	18.802				
7,000.00	6,872.61	6,838.61	6,838.61	32.15	236.99	12.46	413.49	-4,244.59	4,970.88	4,703.89	266.99	18.618				
7,050.00	6,913.73	6,879.73	6,879.73	32.41	238.43	13.20	413.49	-4,244.59	4,942.94	4,674.42	268.51	18.408				
7,100.00	6,952.49	6,918.49	6,918.49	32.68	239.78	14.13	413.49	-4,244.59	4,911.92	4,641.98	269.94	18.196				
7,150.00	6,988.66	6,954.66	6,954.66	32.98	241.04	15.29	413.49	-4,244.59	4,878.02	4,606.75	271.27	17.982				
7,200.00	7,022.01	6,988.01	6,988.01	33.31	242.21	16.74	413.49	-4,244.59	4,841.44	4,568.96	272.48	17.768				
7,250.00	7,052.33	7,018.33	7,018.33	33.67	243.26	18.58	413.49	-4,244.59	4,802.42	4,528.84	273.57	17.554				
7,300.00	7,079.44	7,045.44	7,045.44	34.07	244.21	20.97	413.49	-4,244.59	4,761.19	4,486.64	274.55	17.342				
7,350.00	7,103.17	7,069.17	7,069.17	34.51	245.04	24.11	413.49	-4,244.59	4,718.02	4,442.62	275.40	17.132				
7,400.00	7,123.38	7,089.38	7,089.38	34.98	245.75	28.38	413.49	-4,244.59	4,673.17	4,397.05	276.12	16.925				
7,450.00	7,139.94	7,105.94	7,105.94	35.50	246.32	34.35	413.49	-4,244.59	4,626.92	4,350.21	276.71	16.721				
7,500.00	7,152.75	7,118.75	7,118.75	36.05	246.77	42.96	413.49	-4,244.59	4,579.56	4,302.39	277.16	16.523				
7,550.00	7,161.73	7,127.73	7,127.73	36.64	247.08	55.56	413.49	-4,244.59	4,531.38	4,253.89	277.49	16.330				
7,600.00	7,166.82	7,132.82	7,132.82	37.26	247.26	73.20	413.49	-4,244.59	4,482.68	4,204.99	277.68	16.143				
7,649.14	7,168.00	7,134.00	7,134.00	37.89	247.30	93.93	413.49	-4,244.59	4,434.60	4,156.86	277.75	15.966				
7,700.00	7,167.27	7,133.27	7,133.27	38.57	247.28	93.89	413.49	-4,244.59	4,384.84	4,107.10	277.75	15.787				
7,800.00	7,165.83	7,131.83	7,131.83	40.04	247.23	93.79	413.49	-4,244.59	4,287.09	4,009.32	277.77	15.434				
7,900.00	7,164.38	7,130.38	7,130.38	41.66	247.18	93.70	413.49	-4,244.59	4,189.44	3,911.63	277.81	15.080				
8,000.00	7,162.94	7,128.94	7,128.94	43.40	247.13	93.61	413.49	-4,244.59	4,091.90	3,814.03	277.87	14.726				
8,100.00	7,161.50	7,127.50	7,127.50	45.26	247.08	93.52	413.49	-4,244.59	3,994.48	3,716.52	277.96	14.371				
8,200.00	7,160.05	7,126.05	7,126.05	47.21	247.03	93.43	413.49	-4,244.59	3,897.20	3,619.12	278.08	14.015				
8,300.00	7,158.61	7,124.61	7,124.61	49.26	246.98	93.34	413.49	-4,244.59	3,800.05	3,521.82	278.23	13.658				
8,400.00	7,157.17	7,123.17	7,123.17	51.38	246.92	93.25	413.49	-4,244.59	3,703.06	3,424.64	278.42	13.300				
8,500.00	7,155.73	7,121.73	7,121.73	53.57	246.87	93.16	413.49	-4,244.59	3,606.23	3,327.58	278.65	12.942				
8,600.00	7,154.28	7,120.28	7,120.28	55.82	246.82	93.07	413.49	-4,244.59	3,509.58	3,230.65	278.92	12.583				
8,700.00	7,152.84	7,118.84	7,118.84	58.12	246.77	92.98	413.49	-4,244.59	3,413.12	3,133.87	279.25	12.222				
8,800.00	7,151.40	7,117.40	7,117.40	60.47	246.72	92.89	413.49	-4,244.59	3,316.87	3,037.23	279.63	11.862				
8,900.00	7,149.95	7,115.95	7,115.95	62.86	246.67	92.80	413.49	-4,244.59	3,220.84	2,940.77	280.08	11.500				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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)					
9,000.00	7,148.51	7,114.51	7,114.51	65.28	246.62	92.71	413.49	-4,244.59	3,125.07	2,844.47	280.59	11.137				
9,100.00	7,147.07	7,113.07	7,113.07	67.74	246.57	92.62	413.49	-4,244.59	3,029.57	2,748.38	281.19	10.774				
9,200.00	7,145.62	7,111.62	7,111.62	70.23	246.52	92.53	413.49	-4,244.59	2,934.36	2,652.49	281.87	10.410				
9,300.00	7,144.18	7,110.18	7,110.18	72.74	246.47	92.44	413.49	-4,244.59	2,839.49	2,556.84	282.65	10.046				
9,400.00	7,142.74	7,108.74	7,108.74	75.28	246.42	92.35	413.49	-4,244.59	2,744.98	2,461.44	283.53	9.681				
9,500.00	7,141.29	7,107.29	7,107.29	77.84	246.37	92.26	413.49	-4,244.59	2,650.87	2,366.33	284.54	9.316				
9,600.00	7,139.85	7,105.85	7,105.85	80.42	246.32	92.17	413.49	-4,244.59	2,557.21	2,271.53	285.68	8.951				
9,700.00	7,138.41	7,104.41	7,104.41	83.01	246.27	92.08	413.49	-4,244.59	2,464.04	2,177.08	286.97	8.587				
9,800.00	7,136.97	7,102.97	7,102.97	85.62	246.22	91.99	413.49	-4,244.59	2,371.43	2,083.02	288.42	8.222				
9,900.00	7,135.52	7,101.52	7,101.52	88.25	246.17	91.89	413.49	-4,244.59	2,279.44	1,989.40	290.05	7.859				
10,000.00	7,134.08	7,100.08	7,100.08	90.89	246.12	91.80	413.49	-4,244.59	2,188.16	1,896.28	291.88	7.497				
10,100.00	7,132.64	7,101.36	7,098.64	93.54	246.16	91.71	413.49	-4,244.59	2,097.67	1,803.63	294.04	7.134				
10,200.00	7,131.19	7,102.81	7,097.19	96.20	246.21	91.62	413.49	-4,244.59	2,008.08	1,711.64	296.45	6.774				
10,300.00	7,129.75	7,104.25	7,095.75	98.87	246.26	91.53	413.49	-4,244.59	1,919.52	1,620.39	299.13	6.417				
10,400.00	7,128.31	7,105.69	7,094.31	101.55	246.31	91.44	413.49	-4,244.59	1,832.14	1,530.02	302.12	6.064				
10,500.00	7,126.86	7,107.14	7,092.86	104.24	246.37	91.35	413.49	-4,244.59	1,746.11	1,440.66	305.45	5.717				
10,600.00	7,125.42	7,108.58	7,091.42	106.94	246.42	91.26	413.49	-4,244.59	1,661.64	1,352.49	309.15	5.375				
10,700.00	7,123.98	7,089.98	7,089.98	109.64	245.77	91.17	413.49	-4,244.59	1,578.99	1,266.43	312.55	5.052				
10,800.00	7,122.53	7,088.53	7,088.53	112.36	245.72	91.08	413.49	-4,244.59	1,498.45	1,181.44	317.00	4.727				
10,900.00	7,121.09	7,087.09	7,087.09	115.08	245.67	90.99	413.49	-4,244.59	1,420.38	1,098.45	321.93	4.412				
11,000.00	7,119.65	7,085.65	7,085.65	117.80	245.61	90.90	413.49	-4,244.59	1,345.22	1,017.87	327.35	4.109				
11,100.00	7,118.20	7,084.20	7,084.20	120.53	245.56	90.81	413.49	-4,244.59	1,273.48	940.19	333.29	3.821				
11,200.00	7,116.76	7,082.76	7,082.76	123.26	245.51	90.72	413.49	-4,244.59	1,205.77	866.05	339.73	3.549				
11,300.00	7,115.32	7,081.32	7,081.32	126.00	245.46	90.63	413.49	-4,244.59	1,142.81	796.19	346.62	3.297				
11,400.00	7,113.88	7,079.88	7,079.88	128.75	245.41	90.53	413.49	-4,244.59	1,085.42	731.56	353.86	3.067				
11,500.00	7,112.43	7,078.43	7,078.43	131.50	245.36	90.44	413.49	-4,244.59	1,034.53	673.24	361.29	2.863				
11,600.00	7,110.99	7,076.99	7,076.99	134.25	245.31	90.35	413.49	-4,244.59	991.15	622.49	368.65	2.689				
11,700.00	7,109.55	7,075.55	7,075.55	137.01	245.26	90.26	413.49	-4,244.59	956.28	580.66	375.62	2.546				
11,800.00	7,108.10	7,074.10	7,074.10	139.77	245.21	90.17	413.49	-4,244.59	930.91	549.09	381.82	2.438				
11,900.00	7,106.66	7,072.66	7,072.66	142.53	245.16	90.08	413.49	-4,244.59	915.80	528.95	386.85	2.367				
11,989.52	7,105.37	7,071.37	7,071.37	145.01	245.12	90.00	413.49	-4,244.59	911.41	521.30	390.11	2.336 CC				
12,000.00	7,105.22	7,071.22	7,071.22	145.30	245.11	89.99	413.49	-4,244.59	911.47	521.07	390.41	2.335 ES, SF				
12,100.00	7,103.77	7,069.77	7,069.77	148.06	245.06	89.90	413.49	-4,244.59	918.08	525.77	392.31	2.340				
12,200.00	7,102.33	7,068.33	7,068.33	150.84	245.01	89.81	413.49	-4,244.59	935.40	542.84	392.55	2.383				
12,300.00	7,100.89	7,066.89	7,066.89	153.61	244.96	89.72	413.49	-4,244.59	962.83	571.53	391.31	2.461				
12,400.00	7,099.44	7,065.44	7,065.44	156.39	244.91	89.63	413.49	-4,244.59	999.56	610.72	388.85	2.571				
12,500.00	7,098.00	7,064.00	7,064.00	159.17	244.86	89.54	413.49	-4,244.59	1,044.61	659.12	385.49	2.710				
12,600.00	7,096.56	7,062.56	7,062.56	161.95	244.81	89.45	413.49	-4,244.59	1,096.94	715.39	381.55	2.875				
12,700.00	7,095.12	7,061.12	7,061.12	164.73	244.76	89.36	413.49	-4,244.59	1,155.57	778.29	377.28	3.063				
12,800.00	7,093.67	7,059.67	7,059.67	167.52	244.71	89.26	413.49	-4,244.59	1,219.59	846.69	372.90	3.271				
12,900.00	7,092.23	7,058.23	7,058.23	170.31	244.66	89.17	413.49	-4,244.59	1,288.20	919.65	368.55	3.495				
13,000.00	7,090.79	7,056.79	7,056.79	173.09	244.61	89.08	413.49	-4,244.59	1,360.71	996.38	364.33	3.735				
13,100.00	7,089.34	7,055.34	7,055.34	175.89	244.56	88.99	413.49	-4,244.59	1,436.52	1,076.22	360.30	3.987				
13,200.00	7,087.90	7,053.90	7,053.90	178.68	244.51	88.90	413.49	-4,244.59	1,515.13	1,158.65	356.49	4.250				
13,300.00	7,086.46	7,052.46	7,052.46	181.47	244.46	88.81	413.49	-4,244.59	1,596.14	1,243.23	352.91	4.523				
13,400.00	7,085.01	7,051.01	7,051.01	184.27	244.41	88.72	413.49	-4,244.59	1,679.20	1,329.62	349.57	4.804				
13,500.00	7,083.57	7,049.57	7,049.57	187.07	244.36	88.63	413.49	-4,244.59	1,764.01	1,417.55	346.47	5.091				
13,600.00	7,082.13	7,048.13	7,048.13	189.86	244.31	88.54	413.49	-4,244.59	1,850.34	1,506.76	343.58	5.385				
13,700.00	7,080.68	7,046.68	7,046.68	192.66	244.25	88.45	413.49	-4,244.59	1,937.99	1,597.08	340.90	5.685				
13,800.00	7,079.24	7,045.24	7,045.24	195.47	244.20	88.36	413.49	-4,244.59	2,026.78	1,688.36	338.42	5.989				
13,900.00	7,077.80	7,043.80	7,043.80	198.27	244.15	88.27	413.49	-4,244.59	2,116.56	1,780.45	336.11	6.297				
14,000.00	7,076.36	7,042.36	7,042.36	201.07	244.10	88.18	413.49	-4,244.59	2,207.23	1,873.26	333.97	6.609				

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 13C-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 13C-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,074.91	7,040.91	7,040.91	203.88	244.05	88.09	413.49	-4,244.59	2,298.67	1,966.69	331.97	6.924	
14,200.00	7,073.47	7,039.47	7,039.47	206.68	244.00	88.00	413.49	-4,244.59	2,390.79	2,060.67	330.12	7.242	
14,300.00	7,072.03	7,038.03	7,038.03	209.49	243.95	87.91	413.49	-4,244.59	2,483.52	2,155.13	328.39	7.563	
14,400.00	7,070.58	7,036.58	7,036.58	212.30	243.90	87.81	413.49	-4,244.59	2,576.79	2,250.02	326.77	7.886	
14,500.00	7,069.14	7,035.14	7,035.14	215.11	243.85	87.72	413.49	-4,244.59	2,670.55	2,345.29	325.27	8.210	
14,600.00	7,067.70	7,033.70	7,033.70	217.92	243.80	87.63	413.49	-4,244.59	2,764.75	2,440.90	323.85	8.537	
14,700.00	7,066.25	7,032.25	7,032.25	220.73	243.75	87.54	413.49	-4,244.59	2,859.34	2,536.81	322.53	8.865	
14,800.00	7,064.81	7,030.81	7,030.81	223.54	243.70	87.45	413.49	-4,244.59	2,954.29	2,632.99	321.29	9.195	
14,900.00	7,063.37	7,029.37	7,029.37	226.35	243.65	87.36	413.49	-4,244.59	3,049.56	2,729.43	320.13	9.526	
15,000.00	7,061.92	7,027.92	7,027.92	229.16	243.60	87.27	413.49	-4,244.59	3,145.12	2,826.08	319.03	9.858	
15,100.00	7,060.48	7,026.48	7,026.48	231.98	243.55	87.18	413.49	-4,244.59	3,240.95	2,922.94	318.00	10.192	
15,200.00	7,059.04	7,025.04	7,025.04	234.79	243.50	87.09	413.49	-4,244.59	3,337.02	3,019.99	317.03	10.526	
15,300.00	7,057.60	7,023.60	7,023.60	237.61	243.45	87.00	413.49	-4,244.59	3,433.32	3,117.20	316.11	10.861	
15,400.00	7,056.15	7,022.15	7,022.15	240.42	243.40	86.91	413.49	-4,244.59	3,529.82	3,214.57	315.24	11.197	
15,500.00	7,054.71	7,020.71	7,020.71	243.24	243.35	86.82	413.49	-4,244.59	3,626.51	3,312.08	314.42	11.534	
15,600.00	7,053.27	7,019.27	7,019.27	246.05	243.30	86.73	413.49	-4,244.59	3,723.37	3,409.73	313.65	11.871	
15,687.75	7,052.00	7,018.00	7,018.00	248.53	243.25	86.65	413.49	-4,244.59	3,808.51	3,495.51	313.00	12.168	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	70.03	895.21	2,463.25	2,620.88					
100.00	100.00	92.51	92.51	3.28	3.29	70.03	895.25	2,463.30	2,620.94	2,614.37	6.57	398.883		
200.00	200.00	194.84	194.84	3.34	3.34	70.02	895.37	2,463.36	2,621.04	2,614.36	6.68	392.654		
300.00	300.00	305.88	305.88	3.44	3.46	70.02	895.63	2,463.08	2,620.88	2,613.98	6.90	379.686		
400.00	399.98	412.76	412.75	3.60	3.63	-43.70	895.89	2,462.42	2,619.12	2,611.89	7.23	362.420		
500.00	499.84	519.35	519.35	3.79	3.85	-43.86	896.08	2,461.43	2,614.53	2,606.89	7.64	342.239		
600.00	599.45	614.61	614.60	4.03	4.08	-44.09	895.99	2,460.64	2,607.43	2,599.33	8.10	321.758		
700.00	698.70	711.90	711.88	4.30	4.34	-44.41	896.03	2,459.91	2,597.98	2,589.34	8.64	300.782		
800.00	797.47	813.40	813.38	4.61	4.63	-44.84	896.27	2,459.04	2,586.06	2,576.82	9.24	279.862		
900.00	895.62	912.93	912.91	4.96	4.94	-45.36	896.48	2,458.11	2,571.67	2,561.78	9.89	260.070		
1,000.00	993.06	1,012.65	1,012.62	5.34	5.27	-45.98	896.67	2,457.12	2,554.88	2,544.30	10.58	241.426		
1,100.00	1,089.64	1,118.70	1,118.66	5.75	5.63	-46.73	896.90	2,455.76	2,535.58	2,524.24	11.34	223.578		
1,110.48	1,099.71	1,129.68	1,129.64	5.80	5.67	-46.82	896.92	2,455.59	2,533.41	2,521.98	11.43	221.739		
1,200.00	1,185.67	1,221.05	1,221.00	6.20	6.00	-47.26	896.97	2,454.11	2,514.68	2,502.56	12.12	207.452		
1,300.00	1,281.70	1,314.91	1,314.85	6.67	6.34	-47.73	897.08	2,452.51	2,493.87	2,480.98	12.90	193.350		
1,400.00	1,377.72	1,407.32	1,407.24	7.16	6.68	-48.20	897.39	2,450.96	2,473.36	2,459.66	13.69	180.620		
1,500.00	1,473.75	1,509.92	1,509.82	7.66	7.07	-48.74	897.62	2,449.19	2,452.93	2,438.39	14.55	168.638		
1,600.00	1,569.77	1,600.23	1,600.12	8.17	7.41	-49.21	897.79	2,447.63	2,432.68	2,417.31	15.37	158.262		
1,700.00	1,665.80	1,697.65	1,697.53	8.69	7.79	-49.73	898.00	2,445.99	2,412.67	2,396.43	16.24	148.591		
1,800.00	1,761.82	1,799.61	1,799.48	9.22	8.19	-50.28	898.11	2,444.13	2,392.68	2,375.55	17.13	139.664		
1,900.00	1,857.85	1,887.42	1,887.26	9.76	8.53	-50.76	898.27	2,442.52	2,372.92	2,354.94	17.99	131.919		
2,000.00	1,953.87	1,969.64	1,969.48	10.30	8.86	-51.23	898.67	2,441.28	2,353.78	2,334.95	18.83	124.975		
2,100.00	2,049.90	2,057.42	2,057.24	10.84	9.21	-51.73	899.43	2,440.30	2,335.35	2,315.64	19.71	118.494		
2,200.00	2,145.92	2,148.75	2,148.57	11.39	9.58	-52.27	900.54	2,439.34	2,317.34	2,296.73	20.60	112.470		
2,300.00	2,241.94	2,239.00	2,238.79	11.95	9.94	-52.83	902.39	2,438.19	2,299.76	2,278.25	21.50	106.945		
2,400.00	2,337.97	2,329.91	2,329.66	12.50	10.31	-53.40	904.62	2,437.09	2,282.67	2,260.25	22.41	101.842		
2,500.00	2,433.99	2,419.51	2,419.22	13.06	10.68	-53.99	907.09	2,435.98	2,265.97	2,242.64	23.33	97.145		
2,600.00	2,530.02	2,495.96	2,495.62	13.63	10.99	-54.50	909.73	2,435.28	2,250.14	2,225.95	24.20	92.996		
2,700.00	2,626.04	2,586.43	2,586.03	14.19	11.37	-55.11	913.23	2,434.81	2,235.14	2,210.01	25.12	88.968		
2,800.00	2,722.07	2,679.66	2,679.18	14.76	11.75	-55.75	916.93	2,434.43	2,220.57	2,194.51	26.06	85.195		
2,900.00	2,818.09	2,769.05	2,768.49	15.32	12.12	-56.38	920.71	2,434.08	2,206.48	2,179.48	27.00	81.730		
3,000.00	2,914.12	2,847.34	2,846.70	15.89	12.45	-56.93	924.13	2,434.13	2,193.14	2,165.25	27.89	78.631		
3,100.00	3,010.14	2,928.01	2,927.28	16.46	12.79	-57.50	927.81	2,435.01	2,181.03	2,152.23	28.80	75.739		
3,200.00	3,106.17	3,024.21	3,023.38	17.03	13.19	-58.18	932.14	2,436.24	2,169.37	2,139.61	29.76	72.886		
3,298.02	3,200.29	3,109.54	3,108.62	17.59	13.55	-58.78	936.08	2,437.54	2,158.51	2,127.82	30.68	70.353		
3,300.00	3,202.19	3,111.39	3,110.46	17.60	13.55	-58.79	936.16	2,437.57	2,158.29	2,127.59	30.70	70.303		
3,400.00	3,298.70	3,205.12	3,204.07	18.16	13.95	-59.26	940.49	2,439.28	2,148.69	2,117.05	31.65	67.893		
3,500.00	3,396.07	3,301.16	3,300.00	18.68	14.35	-59.68	944.40	2,441.51	2,141.22	2,108.64	32.58	65.727		
3,600.00	3,494.17	3,408.25	3,406.99	19.18	14.80	-60.10	948.14	2,444.21	2,135.51	2,101.98	33.52	63.706		
3,700.00	3,592.88	3,499.95	3,498.61	19.64	15.18	-60.41	951.36	2,446.50	2,131.65	2,097.27	34.38	62.004		
3,800.00	3,692.10	3,608.46	3,607.03	20.08	15.64	-60.72	954.80	2,449.43	2,129.56	2,094.29	35.28	60.368		
3,900.00	3,791.69	3,736.30	3,734.81	20.49	16.17	-60.97	957.26	2,452.40	2,128.15	2,091.93	36.22	58.756		
3,977.69	3,869.24	3,819.79	3,818.27	20.79	16.52	-61.08	958.43	2,453.97	2,127.75	2,090.87	36.88	57.701		
4,000.00	3,891.53	3,844.09	3,842.57	20.88	16.62	-61.10	958.75	2,454.39	2,127.78	2,090.71	37.06	57.408		
4,108.50	4,000.00	3,963.22	3,961.68	21.27	17.12	52.48	960.13	2,456.14	2,128.82	2,090.87	37.95	56.094		
4,200.00	4,091.50	4,061.77	4,060.22	21.58	17.53	52.47	961.13	2,457.15	2,130.12	2,091.45	38.67	55.082		
4,300.00	4,191.50	4,161.61	4,160.05	21.92	17.95	52.45	962.36	2,457.75	2,131.35	2,091.92	39.44	54.045		
4,400.00	4,291.50	4,260.24	4,258.66	22.27	18.36	52.44	963.75	2,458.35	2,132.69	2,092.49	40.20	53.051		
4,500.00	4,391.50	4,363.27	4,361.68	22.62	18.79	52.40	965.55	2,458.66	2,134.00	2,093.02	40.98	52.068		
4,600.00	4,491.50	4,500.19	4,498.57	22.97	19.37	52.34	967.80	2,457.86	2,134.61	2,092.73	41.89	50.964		
4,700.00	4,591.50	4,628.35	4,626.69	23.33	19.91	52.27	968.98	2,454.90	2,133.32	2,090.57	42.75	49.901		
4,800.00	4,691.50	4,737.25	4,735.55	23.69	20.37	52.20	969.60	2,451.59	2,131.26	2,087.70	43.56	48.927		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,839.81	4,838.04	24.05	20.80	52.13	970.04	2,448.16	2,128.89	2,084.53	44.35	47.998		
5,000.00	4,891.50	4,939.98	4,938.16	24.42	21.23	52.07	970.52	2,444.84	2,126.57	2,081.42	45.14	47.107		
5,100.00	4,991.50	5,040.80	5,038.92	24.78	21.66	52.00	971.01	2,441.30	2,124.09	2,078.15	45.94	46.238		
5,200.00	5,091.50	5,139.66	5,137.72	25.15	22.07	51.93	971.70	2,437.85	2,121.78	2,075.05	46.73	45.405		
5,300.00	5,191.50	5,242.90	5,240.90	25.53	22.51	51.86	972.02	2,434.31	2,119.26	2,071.73	47.54	44.583		
5,400.00	5,291.50	5,334.68	5,332.63	25.90	22.90	51.81	972.09	2,431.46	2,116.87	2,068.56	48.31	43.818		
5,500.00	5,391.50	5,428.63	5,426.55	26.28	23.30	51.77	972.19	2,429.20	2,115.04	2,065.95	49.09	43.082		
5,600.00	5,491.50	5,536.94	5,534.82	26.65	23.76	51.73	971.89	2,426.37	2,112.80	2,062.88	49.92	42.324		
5,700.00	5,591.50	5,623.44	5,621.29	27.03	24.12	51.70	971.88	2,424.22	2,110.85	2,060.16	50.68	41.647		
5,800.00	5,691.50	5,706.15	5,703.99	27.41	24.48	51.67	972.03	2,422.88	2,109.68	2,058.24	51.44	41.014		
5,900.00	5,791.50	5,805.62	5,803.46	27.80	24.90	51.64	972.33	2,421.67	2,108.92	2,056.67	52.24	40.367		
6,000.00	5,891.50	5,907.08	5,904.91	28.18	25.33	51.61	972.90	2,420.20	2,108.12	2,055.07	53.06	39.732		
6,100.00	5,991.50	5,993.69	5,991.50	28.57	25.70	51.56	973.87	2,418.89	2,107.64	2,053.81	53.83	39.156		
6,123.17	6,014.68	6,012.87	6,010.68	28.66	25.78	51.55	974.17	2,418.63	2,107.62	2,053.61	54.00	39.028 CC		
6,200.00	6,091.50	6,074.77	6,072.56	28.96	26.04	51.52	975.36	2,417.97	2,107.89	2,053.31	54.58	38.623		
6,300.00	6,191.50	6,173.24	6,171.00	29.35	26.46	51.45	977.87	2,417.08	2,108.77	2,053.38	55.39	38.073		
6,400.00	6,291.50	6,267.74	6,265.44	29.74	26.86	51.37	980.69	2,415.84	2,109.61	2,053.42	56.19	37.547		
6,500.00	6,391.50	6,375.78	6,373.43	30.13	27.32	51.28	983.97	2,414.59	2,110.61	2,053.58	57.03	37.006		
6,600.00	6,491.50	6,487.08	6,484.67	30.52	27.79	51.18	987.03	2,412.66	2,110.98	2,053.09	57.89	36.462		
6,639.95	6,531.45	6,525.01	6,522.58	30.68	27.96	51.14	988.13	2,411.84	2,111.04	2,052.82	58.22	36.262 ES		
6,650.00	6,541.50	6,533.94	6,531.50	30.72	27.99	142.98	988.39	2,411.66	2,111.13	2,052.84	58.29	36.215		
6,700.00	6,591.41	6,578.31	6,575.84	30.90	28.18	142.85	989.71	2,410.83	2,113.53	2,054.86	58.67	36.023		
6,750.00	6,640.95	6,626.49	6,623.99	31.09	28.39	142.60	991.19	2,410.03	2,119.16	2,060.10	59.06	35.882		
6,800.00	6,689.82	6,678.02	6,675.48	31.29	28.61	142.24	992.88	2,409.04	2,127.85	2,068.39	59.45	35.789		
6,850.00	6,737.71	6,725.11	6,722.53	31.49	28.81	141.75	994.55	2,407.98	2,139.55	2,079.72	59.83	35.760 SF		
6,900.00	6,784.33	6,768.40	6,765.77	31.70	28.99	141.10	996.29	2,406.94	2,154.33	2,094.14	60.19	35.791		
6,950.00	6,829.39	6,808.92	6,806.24	31.92	29.17	140.27	998.10	2,405.91	2,172.11	2,111.58	60.54	35.880		
7,000.00	6,872.61	6,843.60	6,840.87	32.15	29.31	139.22	999.80	2,405.06	2,192.90	2,132.04	60.86	36.033		
7,050.00	6,913.73	6,876.57	6,873.79	32.41	29.45	137.93	1,001.54	2,404.32	2,216.60	2,155.43	61.17	36.237		
7,100.00	6,952.49	6,911.45	6,908.60	32.68	29.60	136.42	1,003.52	2,403.61	2,243.07	2,181.59	61.48	36.482		
7,150.00	6,988.66	6,955.18	6,952.25	32.98	29.79	134.77	1,006.03	2,402.61	2,271.99	2,210.16	61.83	36.744		
7,200.00	7,022.01	6,995.94	6,992.93	33.31	29.96	132.81	1,008.37	2,401.53	2,303.16	2,240.99	62.17	37.047		
7,250.00	7,052.33	7,026.13	7,023.05	33.67	30.09	130.34	1,010.08	2,400.70	2,336.48	2,274.02	62.46	37.407		
7,300.00	7,079.44	7,052.37	7,049.24	34.07	30.20	127.38	1,011.54	2,400.02	2,371.86	2,309.13	62.73	37.808		
7,350.00	7,103.17	7,075.38	7,072.22	34.51	30.30	123.85	1,012.80	2,399.45	2,409.10	2,346.11	62.99	38.245		
7,400.00	7,123.38	7,095.05	7,091.85	34.98	30.39	119.66	1,013.86	2,399.00	2,447.98	2,384.75	63.23	38.713		
7,450.00	7,139.94	7,116.86	7,113.62	35.50	30.48	114.91	1,015.02	2,398.50	2,488.28	2,424.80	63.48	39.197		
7,500.00	7,152.75	7,136.21	7,132.94	36.05	30.56	109.42	1,016.03	2,398.02	2,529.72	2,466.00	63.71	39.704		
7,550.00	7,161.73	7,150.50	7,147.21	36.64	30.62	103.09	1,016.77	2,397.64	2,572.08	2,508.15	63.92	40.237		
7,600.00	7,166.82	7,159.52	7,156.21	37.26	30.66	95.96	1,017.23	2,397.39	2,615.12	2,551.02	64.11	40.794		
7,649.14	7,168.00	7,164.94	7,161.87	37.89	30.75	87.84	1,016.83	2,397.61	2,657.87	2,591.53	64.33	40.069		
7,700.00	7,167.27	7,160.00	7,156.81	38.57	30.82	80.86	1,016.86	2,397.60	2,702.34	2,635.65	64.59	40.519		
7,800.00	7,165.83	7,160.00	7,156.81	40.04	30.82	73.89	1,016.90	2,397.58	2,750.41	2,683.72	64.81	40.974		
7,900.00	7,164.38	7,160.00	7,156.81	41.66	30.82	66.93	1,016.95	2,397.56	2,800.25	2,733.56	65.03	41.439		
8,000.00	7,162.94	7,160.00	7,156.81	43.40	30.82	59.97	1,016.99	2,397.54	2,850.81	2,783.94	65.25	41.909		
8,100.00	7,161.50	7,160.00	7,156.81	45.26	30.82	52.97	1,016.75	2,397.65	3,059.02	2,993.47	65.55	42.379		
8,200.00	7,160.05	7,160.00	7,156.81	47.21	30.82	45.97	1,016.75	2,397.65	3,149.82	3,083.96	65.86	42.848		
8,300.00	7,158.61	7,160.00	7,156.81	49.26	30.82	38.97	1,016.75	2,397.65	3,241.16	3,174.99	66.16	43.317		
8,400.00	7,157.17	7,160.00	7,156.81	51.38	30.82	31.97	1,016.75	2,397.65	3,332.99	3,266.53	66.46	43.786		
8,500.00	7,155.73	7,160.00	7,156.81	53.57	30.82	24.97	1,016.75	2,397.65	3,425.28	3,358.53	66.75	44.255		
8,600.00	7,154.28	7,160.00	7,156.81	55.82	30.82	17.97	1,016.75	2,397.65	3,518.00	3,450.95	67.04	44.724		
8,700.00	7,152.84	7,160.00	7,156.81	58.12	30.82	10.97	1,016.75	2,397.65	3,611.10	3,543.77	67.33	45.193		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,800.00	7,151.40	7,150.00	7,146.71	60.47	30.62	87.76	1,016.75	2,397.65	3,704.56	3,636.96	67.60	54.798		
8,900.00	7,149.95	7,150.00	7,146.71	62.86	30.62	87.76	1,016.75	2,397.65	3,798.36	3,730.49	67.87	55.962		
9,000.00	7,148.51	7,150.00	7,146.71	65.28	30.62	87.76	1,016.75	2,397.65	3,892.46	3,824.33	68.14	57.127		
9,100.00	7,147.07	7,150.00	7,146.71	67.74	30.62	87.76	1,016.75	2,397.65	3,986.86	3,918.46	68.39	58.292		
9,200.00	7,145.62	7,150.00	7,146.71	70.23	30.62	87.76	1,016.75	2,397.65	4,081.51	4,012.87	68.64	59.459		
9,300.00	7,144.18	7,150.00	7,146.71	72.74	30.62	87.76	1,016.75	2,397.65	4,176.42	4,107.53	68.89	60.627		
9,400.00	7,142.74	7,150.00	7,146.71	75.28	30.62	87.76	1,016.75	2,397.65	4,271.56	4,202.44	69.12	61.795		
9,500.00	7,141.29	7,150.00	7,146.71	77.84	30.62	87.76	1,016.75	2,397.65	4,366.92	4,297.56	69.35	62.965		
9,600.00	7,139.85	7,150.00	7,146.71	80.42	30.62	87.76	1,016.75	2,397.65	4,462.48	4,392.90	69.58	64.135		
9,700.00	7,138.41	7,150.00	7,146.71	83.01	30.62	87.76	1,016.75	2,397.65	4,558.23	4,488.43	69.80	65.306		
9,800.00	7,136.97	7,150.00	7,146.71	85.62	30.62	87.76	1,016.75	2,397.65	4,654.16	4,584.15	70.01	66.477		
9,900.00	7,135.52	7,150.00	7,146.71	88.25	30.62	87.76	1,016.75	2,397.65	4,750.26	4,680.04	70.22	67.649		
10,000.00	7,134.08	7,150.00	7,146.71	90.89	30.62	87.76	1,016.75	2,397.65	4,846.51	4,776.09	70.42	68.821		
10,100.00	7,132.64	7,150.00	7,146.71	93.54	30.62	87.76	1,016.75	2,397.65	4,942.92	4,872.30	70.62	69.994		
10,200.00	7,131.19	7,150.00	7,146.71	96.20	30.62	87.76	1,016.75	2,397.65	5,039.46	4,968.65	70.81	71.167		
10,300.00	7,129.75	7,150.00	7,146.71	98.87	30.62	87.76	1,016.75	2,397.65	5,136.14	5,065.14	71.00	72.340		
10,400.00	7,128.31	7,150.00	7,146.71	101.55	30.62	87.76	1,016.75	2,397.65	5,232.94	5,161.76	71.18	73.514		
10,500.00	7,126.86	7,150.00	7,146.71	104.24	30.62	87.76	1,016.75	2,397.65	5,329.86	5,258.50	71.36	74.687		
10,600.00	7,125.42	7,150.00	7,146.71	106.94	30.62	87.76	1,016.75	2,397.65	5,426.89	5,355.35	71.54	75.860		
10,700.00	7,123.98	7,150.00	7,146.71	109.64	30.62	87.76	1,016.75	2,397.65	5,524.03	5,452.32	71.71	77.034		
10,800.00	7,122.53	7,150.00	7,146.71	112.36	30.62	87.76	1,016.75	2,397.65	5,621.26	5,549.39	71.88	78.207		
10,900.00	7,121.09	7,150.00	7,146.71	115.08	30.62	87.76	1,016.75	2,397.65	5,718.60	5,646.56	72.04	79.379		
11,000.00	7,119.65	7,150.00	7,146.71	117.80	30.62	87.76	1,016.75	2,397.65	5,816.02	5,743.82	72.20	80.551		
11,100.00	7,118.20	7,150.00	7,146.71	120.53	30.62	87.76	1,016.75	2,397.65	5,913.53	5,841.17	72.36	81.723		
11,200.00	7,116.76	7,150.00	7,146.71	123.26	30.62	87.76	1,016.75	2,397.65	6,011.12	5,938.61	72.52	82.895		
11,300.00	7,115.32	7,150.00	7,146.71	126.00	30.62	87.76	1,016.75	2,397.65	6,108.79	6,036.12	72.67	84.065		
11,400.00	7,113.88	7,150.00	7,146.71	128.75	30.62	87.76	1,016.75	2,397.65	6,206.53	6,133.72	72.82	85.235		
11,500.00	7,112.43	7,150.00	7,146.71	131.50	30.62	87.76	1,016.75	2,397.65	6,304.35	6,231.38	72.96	86.405		
11,600.00	7,110.99	7,150.00	7,146.71	134.25	30.62	87.76	1,016.75	2,397.65	6,402.23	6,329.12	73.11	87.573		
11,700.00	7,109.55	7,150.00	7,146.71	137.01	30.62	87.76	1,016.75	2,397.65	6,500.18	6,426.93	73.25	88.741		
11,800.00	7,108.10	7,150.00	7,146.71	139.77	30.62	87.76	1,016.75	2,397.65	6,598.18	6,524.80	73.39	89.908		
11,900.00	7,106.66	7,150.00	7,146.71	142.53	30.62	87.76	1,016.75	2,397.65	6,696.25	6,622.72	73.53	91.074		
12,000.00	7,105.22	7,150.00	7,146.71	145.30	30.62	87.76	1,016.75	2,397.65	6,794.37	6,720.71	73.66	92.238		
12,100.00	7,103.77	7,150.00	7,146.71	148.06	30.62	87.76	1,016.75	2,397.65	6,892.55	6,818.76	73.79	93.402		
12,200.00	7,102.33	7,150.00	7,146.71	150.84	30.62	87.76	1,016.75	2,397.65	6,990.78	6,916.85	73.93	94.565		
12,300.00	7,100.89	7,150.00	7,146.71	153.61	30.62	87.76	1,016.75	2,397.65	7,089.06	7,015.00	74.06	95.726		
12,400.00	7,099.44	7,150.00	7,146.71	156.39	30.62	87.76	1,016.75	2,397.65	7,187.38	7,113.20	74.18	96.886		
12,500.00	7,098.00	7,150.00	7,146.71	159.17	30.62	87.76	1,016.75	2,397.65	7,285.75	7,211.44	74.31	98.045		
12,600.00	7,096.56	7,150.00	7,146.71	161.95	30.62	87.76	1,016.75	2,397.65	7,384.17	7,309.73	74.44	99.203		
12,700.00	7,095.12	7,150.00	7,146.71	164.73	30.62	87.76	1,016.75	2,397.65	7,482.63	7,408.07	74.56	100.359		
12,800.00	7,093.67	7,150.00	7,146.71	167.52	30.62	87.76	1,016.75	2,397.65	7,581.12	7,506.44	74.68	101.514		
12,900.00	7,092.23	7,150.00	7,146.71	170.31	30.62	87.76	1,016.75	2,397.65	7,679.66	7,604.86	74.80	102.667		
13,000.00	7,090.79	7,150.00	7,146.71	173.09	30.62	87.76	1,016.75	2,397.65	7,778.23	7,703.31	74.92	103.819		
13,100.00	7,089.34	7,150.00	7,146.71	175.89	30.62	87.76	1,016.75	2,397.65	7,876.84	7,801.80	75.04	104.969		
13,200.00	7,087.90	7,150.00	7,146.71	178.68	30.62	87.76	1,016.75	2,397.65	7,975.49	7,900.33	75.16	106.117		
13,300.00	7,086.46	7,150.00	7,146.71	181.47	30.62	87.76	1,016.75	2,397.65	8,074.17	7,998.89	75.27	107.264		
13,400.00	7,085.01	7,150.00	7,146.71	184.27	30.62	87.76	1,016.75	2,397.65	8,172.87	8,097.49	75.39	108.410		
13,500.00	7,083.57	7,150.00	7,146.71	187.07	30.62	87.76	1,016.75	2,397.65	8,271.62	8,196.11	75.50	109.553		
13,600.00	7,082.13	7,150.00	7,146.71	189.86	30.62	87.76	1,016.75	2,397.65	8,370.39	8,294.77	75.62	110.695		
13,700.00	7,080.68	7,150.00	7,146.71	192.66	30.62	87.76	1,016.75	2,397.65	8,469.19	8,393.46	75.73	111.835		
13,800.00	7,079.24	7,150.00	7,146.71	195.47	30.62	87.76	1,016.75	2,397.65	8,568.01	8,492.17	75.84	112.973		
13,900.00	7,077.80	7,150.00	7,146.71	198.27	30.62	87.76	1,016.75	2,397.65	8,666.87	8,590.92	75.95	114.110		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,076.36	7,150.00	7,146.71	201.07	30.62	87.76	1,016.75	2,397.65	8,765.75	8,689.69	76.06	115.244	
14,100.00	7,074.91	7,150.00	7,146.71	203.88	30.62	87.76	1,016.75	2,397.65	8,864.65	8,788.48	76.17	116.377	
14,200.00	7,073.47	7,150.00	7,146.71	206.68	30.62	87.76	1,016.75	2,397.65	8,963.58	8,887.30	76.28	117.507	
14,300.00	7,072.03	7,150.00	7,146.71	209.49	30.62	87.76	1,016.75	2,397.65	9,062.54	8,986.15	76.39	118.636	
14,400.00	7,070.58	7,150.00	7,146.71	212.30	30.62	87.76	1,016.75	2,397.65	9,161.51	9,085.01	76.50	119.762	
14,500.00	7,069.14	7,150.00	7,146.71	215.11	30.62	87.76	1,016.75	2,397.65	9,260.51	9,183.90	76.60	120.887	
14,600.00	7,067.70	7,150.00	7,146.71	217.92	30.62	87.76	1,016.75	2,397.65	9,359.53	9,282.82	76.71	122.009	
14,700.00	7,066.25	7,150.00	7,146.71	220.73	30.62	87.76	1,016.75	2,397.65	9,458.57	9,381.75	76.82	123.130	
14,800.00	7,064.81	7,150.00	7,146.71	223.54	30.62	87.76	1,016.75	2,397.65	9,557.63	9,480.70	76.92	124.248	
14,900.00	7,063.37	7,150.00	7,146.71	226.35	30.62	87.76	1,016.75	2,397.65	9,656.71	9,579.68	77.03	125.364	
15,000.00	7,061.92	7,150.00	7,146.71	229.16	30.62	87.76	1,016.75	2,397.65	9,755.81	9,678.67	77.13	126.478	
15,100.00	7,060.48	7,150.00	7,146.71	231.98	30.62	87.76	1,016.75	2,397.65	9,854.92	9,777.68	77.24	127.590	
15,200.00	7,059.04	7,150.00	7,146.71	234.79	30.62	87.76	1,016.75	2,397.65	9,954.06	9,876.71	77.34	128.699	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	94.37	-683.98	8,958.35	8,984.47					
100.00	100.00	72.00	72.00	3.28	3.51	94.37	-683.98	8,958.35	8,984.42	8,977.63	6.80	1,321.774		
200.00	200.00	172.00	172.00	3.34	5.38	94.37	-683.98	8,958.35	8,984.42	8,975.71	8.71	1,031.189		
300.00	300.00	272.00	272.00	3.44	8.42	94.37	-683.98	8,958.35	8,984.42	8,972.56	11.86	757.512		
400.00	399.98	371.98	371.98	3.60	11.71	-19.30	-683.98	8,958.35	8,982.78	8,967.47	15.31	586.828		
500.00	499.84	471.84	471.84	3.79	15.09	-19.34	-683.98	8,958.35	8,977.84	8,958.96	18.88	475.491		
600.00	599.45	571.45	571.45	4.03	18.50	-19.42	-683.98	8,958.35	8,969.61	8,947.08	22.53	398.150		
700.00	698.70	670.70	670.70	4.30	21.92	-19.52	-683.98	8,958.35	8,958.11	8,931.89	26.22	341.657		
800.00	797.47	769.47	769.47	4.61	25.33	-19.65	-683.98	8,958.35	8,943.36	8,913.42	29.94	298.733		
900.00	895.62	867.62	867.62	4.96	28.73	-19.82	-683.98	8,958.35	8,925.36	8,891.69	33.67	265.087		
1,000.00	993.06	965.06	965.06	5.34	32.11	-20.02	-683.98	8,958.35	8,904.15	8,866.74	37.41	238.044		
1,100.00	1,089.64	1,061.64	1,061.64	5.75	35.47	-20.25	-683.98	8,958.35	8,879.75	8,838.61	41.14	215.855		
1,110.48	1,099.71	1,071.71	1,071.71	5.80	35.82	-20.27	-683.98	8,958.35	8,877.01	8,835.48	41.53	213.732		
1,200.00	1,185.67	1,157.67	1,157.67	6.20	38.81	-20.33	-683.98	8,958.35	8,853.46	8,808.59	44.87	197.325		
1,300.00	1,281.70	1,253.70	1,253.70	6.67	42.15	-20.39	-683.98	8,958.35	8,827.17	8,778.56	48.61	181.597		
1,400.00	1,377.72	1,349.72	1,349.72	7.16	45.49	-20.45	-683.98	8,958.35	8,800.88	8,748.52	52.36	168.070		
1,500.00	1,473.75	1,445.75	1,445.75	7.66	48.84	-20.52	-683.98	8,958.35	8,774.60	8,718.47	56.13	156.319		
1,600.00	1,569.77	1,541.77	1,541.77	8.17	52.18	-20.58	-683.98	8,958.35	8,748.34	8,688.43	59.91	146.021		
1,700.00	1,665.80	1,637.80	1,637.80	8.69	55.53	-20.64	-683.98	8,958.35	8,722.08	8,658.39	63.70	136.927		
1,800.00	1,761.82	1,733.82	1,733.82	9.22	58.87	-20.71	-683.98	8,958.35	8,695.84	8,628.35	67.49	128.840		
1,900.00	1,857.85	1,829.85	1,829.85	9.76	62.22	-20.77	-683.98	8,958.35	8,669.60	8,598.31	71.29	121.603		
2,000.00	1,953.87	1,925.87	1,925.87	10.30	65.57	-20.84	-683.98	8,958.35	8,643.38	8,568.28	75.10	115.090		
2,100.00	2,049.90	2,021.90	2,021.90	10.84	68.92	-20.90	-683.98	8,958.35	8,617.17	8,538.25	78.91	109.199		
2,200.00	2,145.92	2,117.92	2,117.92	11.39	72.27	-20.97	-683.98	8,958.35	8,590.96	8,508.24	82.73	103.846		
2,300.00	2,241.94	2,213.94	2,213.94	11.95	75.61	-21.04	-683.98	8,958.35	8,564.77	8,478.23	86.55	98.962		
2,400.00	2,337.97	2,309.97	2,309.97	12.50	78.96	-21.10	-683.98	8,958.35	8,538.59	8,448.22	90.37	94.486		
2,500.00	2,433.99	2,405.99	2,405.99	13.06	82.31	-21.17	-683.98	8,958.35	8,512.42	8,418.23	94.19	90.372		
2,600.00	2,530.02	2,502.02	2,502.02	13.63	85.66	-21.24	-683.98	8,958.35	8,486.26	8,388.24	98.02	86.576		
2,700.00	2,626.04	2,601.96	2,598.04	14.19	89.15	-21.31	-683.98	8,958.35	8,460.12	8,358.13	101.99	82.953		
2,800.00	2,722.07	2,705.93	2,694.07	14.76	92.78	-21.38	-683.98	8,958.35	8,433.98	8,327.88	106.10	79.493		
2,900.00	2,818.09	2,809.91	2,790.09	15.32	96.40	-21.45	-683.98	8,958.35	8,407.85	8,297.65	110.21	76.291		
3,000.00	2,914.12	2,886.12	2,886.12	15.89	99.06	-21.51	-683.98	8,958.35	8,381.74	8,268.39	113.35	73.945		
3,100.00	3,010.14	2,982.14	2,982.14	16.46	102.41	-21.58	-683.98	8,958.35	8,355.64	8,238.45	117.19	71.301		
3,200.00	3,106.17	3,078.17	3,078.17	17.03	105.76	-21.65	-683.98	8,958.35	8,329.55	8,208.52	121.03	68.824		
3,298.02	3,200.29	3,172.29	3,172.29	17.59	109.05	-21.72	-683.98	8,958.35	8,303.99	8,179.20	124.79	66.543		
3,300.00	3,202.19	3,174.19	3,174.19	17.60	109.12	-21.72	-683.98	8,958.35	8,303.47	8,178.61	124.87	66.499		
3,400.00	3,298.70	3,270.70	3,270.70	18.16	112.48	-21.60	-683.98	8,958.35	8,279.04	8,150.32	128.72	64.320		
3,500.00	3,396.07	3,368.07	3,368.07	18.68	115.88	-21.50	-683.98	8,958.35	8,257.77	8,125.19	132.58	62.283		
3,600.00	3,494.17	3,466.17	3,466.17	19.18	119.30	-21.41	-683.98	8,958.35	8,239.70	8,103.23	136.47	60.379		
3,700.00	3,592.88	3,564.88	3,564.88	19.64	122.75	-21.34	-683.98	8,958.35	8,224.84	8,084.48	140.36	58.599		
3,800.00	3,692.10	3,664.10	3,664.10	20.08	126.21	-21.29	-683.98	8,958.35	8,213.20	8,068.94	144.25	56.935		
3,900.00	3,791.69	3,763.69	3,763.69	20.49	129.69	-21.25	-683.98	8,958.35	8,204.79	8,056.64	148.15	55.381		
4,000.00	3,891.53	3,863.53	3,863.53	20.88	133.17	-21.23	-683.98	8,958.35	8,199.64	8,047.60	152.04	53.930		
4,108.50	4,000.00	3,972.00	3,972.00	21.27	136.96	92.43	-683.98	8,958.35	8,197.72	8,041.49	156.24	52.469		
4,200.00	4,091.50	4,063.50	4,063.50	21.58	140.15	92.43	-683.98	8,958.35	8,197.72	8,037.96	159.76	51.313		
4,300.00	4,191.50	4,163.50	4,163.50	21.92	143.64	92.43	-683.98	8,958.35	8,197.72	8,034.11	163.61	50.105		
4,400.00	4,291.50	4,263.50	4,263.50	22.27	147.13	92.43	-683.98	8,958.35	8,197.72	8,030.26	167.47	48.951		
4,500.00	4,391.50	4,363.50	4,363.50	22.62	150.62	92.43	-683.98	8,958.35	8,197.72	8,026.40	171.33	47.849		
4,600.00	4,491.50	4,463.50	4,463.50	22.97	154.11	92.43	-683.98	8,958.35	8,197.72	8,022.54	175.19	46.794		
4,700.00	4,591.50	4,563.50	4,563.50	23.33	157.60	92.43	-683.98	8,958.35	8,197.72	8,018.67	179.05	45.784		
4,800.00	4,691.50	4,663.50	4,663.50	23.69	161.09	92.43	-683.98	8,958.35	8,197.72	8,014.81	182.92	44.817		
4,900.00	4,791.50	4,763.50	4,763.50	24.05	164.58	92.43	-683.98	8,958.35	8,197.72	8,010.94	186.78	43.889		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	4,863.50	4,863.50	24.42	168.07	92.43	-683.98	8,958.35	8,197.72	8,007.07	190.66	42.998		
5,100.00	4,991.50	4,963.50	4,963.50	24.78	171.56	92.43	-683.98	8,958.35	8,197.72	8,003.20	194.53	42.142		
5,200.00	5,091.50	5,063.50	5,063.50	25.15	175.05	92.43	-683.98	8,958.35	8,197.72	7,999.32	198.40	41.319		
5,300.00	5,191.50	5,163.50	5,163.50	25.53	178.54	92.43	-683.98	8,958.35	8,197.72	7,995.45	202.28	40.527		
5,400.00	5,291.50	5,263.50	5,263.50	25.90	182.03	92.43	-683.98	8,958.35	8,197.72	7,991.57	206.16	39.764		
5,500.00	5,391.50	5,363.50	5,363.50	26.28	185.52	92.43	-683.98	8,958.35	8,197.72	7,987.69	210.04	39.030		
5,600.00	5,491.50	5,463.50	5,463.50	26.65	189.01	92.43	-683.98	8,958.35	8,197.72	7,983.80	213.92	38.321		
5,700.00	5,591.50	5,563.50	5,563.50	27.03	192.50	92.43	-683.98	8,958.35	8,197.72	7,979.92	217.80	37.638		
5,800.00	5,691.50	5,663.50	5,663.50	27.41	196.00	92.43	-683.98	8,958.35	8,197.72	7,976.04	221.69	36.979		
5,900.00	5,791.50	5,763.50	5,763.50	27.80	199.49	92.43	-683.98	8,958.35	8,197.72	7,972.15	225.57	36.342		
6,000.00	5,891.50	5,863.50	5,863.50	28.18	202.98	92.43	-683.98	8,958.35	8,197.72	7,968.26	229.46	35.726		
6,100.00	5,991.50	5,963.50	5,963.50	28.57	206.47	92.43	-683.98	8,958.35	8,197.72	7,964.37	233.35	35.130		
6,200.00	6,091.50	6,063.50	6,063.50	28.96	209.96	92.43	-683.98	8,958.35	8,197.72	7,960.48	237.24	34.554		
6,300.00	6,191.50	6,163.50	6,163.50	29.35	213.45	92.43	-683.98	8,958.35	8,197.72	7,956.59	241.13	33.997		
6,400.00	6,291.50	6,263.50	6,263.50	29.74	216.94	92.43	-683.98	8,958.35	8,197.72	7,952.70	245.03	33.457		
6,500.00	6,391.50	6,363.50	6,363.50	30.13	220.43	92.43	-683.98	8,958.35	8,197.72	7,948.81	248.92	32.933		
6,600.00	6,491.50	6,463.50	6,463.50	30.52	223.92	92.43	-683.98	8,958.35	8,197.72	7,944.91	252.81	32.426		
6,639.95	6,531.45	6,503.45	6,503.45	30.68	225.31	92.43	-683.98	8,958.35	8,197.72	7,943.35	254.37	32.228 CC		
6,650.00	6,541.50	6,513.50	6,513.50	30.72	225.67	-175.72	-683.98	8,958.35	8,197.80	7,943.04	254.76	32.178 ES		
6,700.00	6,591.41	6,563.41	6,563.41	30.90	227.41	-175.70	-683.98	8,958.35	8,200.55	7,943.86	256.69	31.947		
6,750.00	6,640.95	6,612.95	6,612.95	31.09	229.14	-175.66	-683.98	8,958.35	8,207.19	7,948.59	258.60	31.737		
6,800.00	6,689.82	6,661.82	6,661.82	31.29	230.84	-175.59	-683.98	8,958.35	8,217.68	7,957.22	260.47	31.550		
6,850.00	6,737.71	6,709.71	6,709.71	31.49	232.51	-175.49	-683.98	8,958.35	8,231.97	7,969.68	262.29	31.385		
6,900.00	6,784.33	6,756.33	6,756.33	31.70	234.14	-175.37	-683.98	8,958.35	8,249.96	7,985.90	264.05	31.243		
6,950.00	6,829.39	6,801.39	6,801.39	31.92	235.71	-175.20	-683.98	8,958.35	8,271.54	8,005.79	265.75	31.125		
7,000.00	6,872.61	6,844.61	6,844.61	32.15	237.22	-174.99	-683.98	8,958.35	8,296.58	8,029.22	267.37	31.031		
7,050.00	6,913.73	6,885.73	6,885.73	32.41	238.66	-174.73	-683.98	8,958.35	8,324.93	8,056.04	268.89	30.960		
7,100.00	6,952.49	6,924.49	6,924.49	32.68	240.01	-174.41	-683.98	8,958.35	8,356.41	8,086.08	270.33	30.912		
7,150.00	6,988.66	6,960.66	6,960.66	32.98	241.27	-174.00	-683.98	8,958.35	8,390.82	8,119.17	271.65	30.888		
7,200.00	7,022.01	7,005.99	7,005.99	33.31	242.86	-173.48	-683.98	8,958.35	8,427.96	8,154.68	273.29	30.839 SF		
7,250.00	7,052.33	7,024.33	7,024.33	33.67	243.50	-172.82	-683.98	8,958.35	8,467.60	8,193.63	273.96	30.908		
7,300.00	7,079.44	7,051.44	7,051.44	34.07	244.44	-171.94	-683.98	8,958.35	8,509.48	8,234.54	274.94	30.950		
7,350.00	7,103.17	7,075.17	7,075.17	34.51	245.27	-170.74	-683.98	8,958.35	8,553.36	8,277.58	275.79	31.014		
7,400.00	7,123.38	7,104.62	7,095.38	34.98	246.30	-169.03	-683.98	8,958.35	8,598.97	8,322.14	276.83	31.063		
7,450.00	7,139.94	7,111.94	7,111.94	35.50	246.55	-166.43	-683.98	8,958.35	8,646.01	8,368.93	277.09	31.203		
7,500.00	7,152.75	7,124.75	7,124.75	36.05	247.00	-162.07	-683.98	8,958.35	8,694.21	8,416.68	277.53	31.327		
7,550.00	7,161.73	7,133.73	7,133.73	36.64	247.32	-153.51	-683.98	8,958.35	8,743.26	8,465.42	277.85	31.468		
7,600.00	7,166.82	7,138.82	7,138.82	37.26	247.49	-131.94	-683.98	8,958.35	8,792.87	8,514.85	278.02	31.626		
7,649.14	7,168.00	7,140.00	7,140.00	37.89	247.53	-78.25	-683.98	8,958.35	8,841.86	8,563.79	278.07	31.798		
7,700.00	7,167.27	7,139.27	7,139.27	38.57	247.51	-78.19	-683.98	8,958.35	8,892.60	8,614.55	278.04	31.983		
7,800.00	7,165.83	7,137.83	7,137.83	40.04	247.46	-78.06	-683.98	8,958.35	8,992.35	8,714.35	278.00	32.346		
7,900.00	7,164.38	7,136.38	7,136.38	41.66	247.41	-77.93	-683.98	8,958.35	9,092.11	8,814.15	277.96	32.710		
8,000.00	7,162.94	7,134.94	7,134.94	43.40	247.36	-77.80	-683.98	8,958.35	9,191.88	8,913.96	277.92	33.073		
8,100.00	7,161.50	7,133.50	7,133.50	45.26	247.31	-77.67	-683.98	8,958.35	9,291.65	9,013.76	277.89	33.437		
8,200.00	7,160.05	7,132.05	7,132.05	47.21	247.26	-77.54	-683.98	8,958.35	9,391.42	9,113.57	277.85	33.800		
8,300.00	7,158.61	7,130.61	7,130.61	49.26	247.21	-77.41	-683.98	8,958.35	9,491.20	9,213.38	277.82	34.163		
8,400.00	7,157.17	7,129.17	7,129.17	51.38	247.16	-77.28	-683.98	8,958.35	9,590.99	9,313.20	277.79	34.526		
8,500.00	7,155.73	7,127.73	7,127.73	53.57	247.11	-77.16	-683.98	8,958.35	9,690.77	9,413.01	277.76	34.889		
8,600.00	7,154.28	7,126.28	7,126.28	55.82	247.06	-77.03	-683.98	8,958.35	9,790.57	9,512.83	277.73	35.252		
8,700.00	7,152.84	7,124.84	7,124.84	58.12	247.00	-76.90	-683.98	8,958.35	9,890.36	9,612.65	277.71	35.614		
8,800.00	7,151.40	7,123.40	7,123.40	60.47	246.95	-76.77	-683.98	8,958.35	9,990.16	9,712.48	277.69	35.976		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
2,000.00	1,953.87	1,909.87	1,909.87	10.30	65.01	-29.82	755.52	10,274.50	9,983.45	9,908.79	74.66	133.710		
2,100.00	2,049.90	2,005.90	2,005.90	10.84	68.36	-29.90	755.52	10,274.50	9,959.01	9,880.52	78.49	126.883		
2,200.00	2,145.92	2,101.92	2,101.92	11.39	71.71	-29.98	755.52	10,274.50	9,934.58	9,852.26	82.32	120.684		
2,300.00	2,241.94	2,202.06	2,197.94	11.95	75.20	-30.06	755.52	10,274.50	9,910.17	9,823.87	86.30	114.840		
2,400.00	2,337.97	2,306.03	2,293.97	12.50	78.83	-30.14	755.52	10,274.50	9,885.78	9,795.37	90.41	109.345		
2,500.00	2,433.99	2,389.99	2,389.99	13.06	81.76	-30.22	755.52	10,274.50	9,861.40	9,767.58	93.83	105.101		
2,600.00	2,530.02	2,486.02	2,486.02	13.63	85.10	-30.30	755.52	10,274.50	9,837.05	9,739.38	97.67	100.717		
2,700.00	2,626.04	2,582.04	2,582.04	14.19	88.45	-30.38	755.52	10,274.50	9,812.72	9,711.20	101.51	96.663		
2,800.00	2,722.07	2,678.07	2,678.07	14.76	91.80	-30.46	755.52	10,274.50	9,788.40	9,683.04	105.36	92.904		
2,900.00	2,818.09	2,774.09	2,774.09	15.32	95.15	-30.55	755.52	10,274.50	9,764.10	9,654.89	109.21	89.407		
3,000.00	2,914.12	2,870.12	2,870.12	15.89	98.51	-30.63	755.52	10,274.50	9,739.83	9,626.77	113.06	86.148		
3,100.00	3,010.14	2,966.14	2,966.14	16.46	101.86	-30.71	755.52	10,274.50	9,715.57	9,598.66	116.91	83.102		
3,200.00	3,106.17	3,062.17	3,062.17	17.03	105.21	-30.80	755.52	10,274.50	9,691.33	9,570.57	120.77	80.249		
3,298.02	3,200.29	3,156.29	3,156.29	17.59	108.49	-30.88	755.52	10,274.50	9,667.59	9,543.05	124.54	77.624		
3,300.00	3,202.19	3,158.19	3,158.19	17.60	108.56	-30.87	755.52	10,274.50	9,667.11	9,542.49	124.62	77.573		
3,400.00	3,298.70	3,254.70	3,254.70	18.16	111.92	-30.71	755.52	10,274.50	9,644.43	9,515.95	128.48	75.063		
3,500.00	3,396.07	3,352.07	3,352.07	18.68	115.32	-30.58	755.52	10,274.50	9,624.69	9,492.33	132.36	72.715		
3,600.00	3,494.17	3,450.17	3,450.17	19.18	118.75	-30.46	755.52	10,274.50	9,607.93	9,471.67	136.25	70.516		
3,700.00	3,592.88	3,548.88	3,548.88	19.64	122.19	-30.37	755.52	10,274.50	9,594.14	9,453.99	140.15	68.457		
3,800.00	3,692.10	3,648.10	3,648.10	20.08	125.65	-30.30	755.52	10,274.50	9,583.34	9,439.30	144.05	66.530		
3,900.00	3,791.69	3,747.69	3,747.69	20.49	129.13	-30.25	755.52	10,274.50	9,575.55	9,427.61	147.94	64.725		
4,000.00	3,891.53	3,847.53	3,847.53	20.88	132.61	-30.21	755.52	10,274.50	9,570.77	9,418.94	151.83	63.036		
4,108.50	4,000.00	3,956.00	3,956.00	21.27	136.40	83.45	755.52	10,274.50	9,569.00	9,412.98	156.02	61.331		
4,200.00	4,091.50	4,047.50	4,047.50	21.58	139.59	83.45	755.52	10,274.50	9,569.00	9,409.46	159.54	59.979		
4,300.00	4,191.50	4,147.50	4,147.50	21.92	143.08	83.45	755.52	10,274.50	9,569.00	9,405.61	163.39	58.566		
4,400.00	4,291.50	4,247.50	4,247.50	22.27	146.57	83.45	755.52	10,274.50	9,569.00	9,401.76	167.24	57.218		
4,500.00	4,391.50	4,347.50	4,347.50	22.62	150.06	83.45	755.52	10,274.50	9,569.00	9,397.91	171.09	55.929		
4,600.00	4,491.50	4,447.50	4,447.50	22.97	153.55	83.45	755.52	10,274.50	9,569.00	9,394.05	174.95	54.696		
4,700.00	4,591.50	4,547.50	4,547.50	23.33	157.04	83.45	755.52	10,274.50	9,569.00	9,390.19	178.81	53.515		
4,800.00	4,691.50	4,647.50	4,647.50	23.69	160.53	83.45	755.52	10,274.50	9,569.00	9,386.33	182.67	52.384		
4,900.00	4,791.50	4,747.50	4,747.50	24.05	164.02	83.45	755.52	10,274.50	9,569.00	9,382.46	186.53	51.299		
5,000.00	4,891.50	4,847.50	4,847.50	24.42	167.51	83.45	755.52	10,274.50	9,569.00	9,378.60	190.40	50.257		
5,100.00	4,991.50	4,947.50	4,947.50	24.78	171.00	83.45	755.52	10,274.50	9,569.00	9,374.73	194.27	49.256		
5,200.00	5,091.50	5,047.50	5,047.50	25.15	174.49	83.45	755.52	10,274.50	9,569.00	9,370.86	198.14	48.294		
5,300.00	5,191.50	5,147.50	5,147.50	25.53	177.98	83.45	755.52	10,274.50	9,569.00	9,366.98	202.01	47.368		
5,400.00	5,291.50	5,247.50	5,247.50	25.90	181.47	83.45	755.52	10,274.50	9,569.00	9,363.11	205.89	46.477		
5,500.00	5,391.50	5,347.50	5,347.50	26.28	184.97	83.45	755.52	10,274.50	9,569.00	9,359.23	209.77	45.618		
5,600.00	5,491.50	5,447.50	5,447.50	26.65	188.46	83.45	755.52	10,274.50	9,569.00	9,355.35	213.64	44.789		
5,700.00	5,591.50	5,547.50	5,547.50	27.03	191.95	83.45	755.52	10,274.50	9,569.00	9,351.47	217.52	43.990		
5,800.00	5,691.50	5,647.50	5,647.50	27.41	195.44	83.45	755.52	10,274.50	9,569.00	9,347.59	221.41	43.219		
5,900.00	5,791.50	5,747.50	5,747.50	27.80	198.93	83.45	755.52	10,274.50	9,569.00	9,343.71	225.29	42.474		
6,000.00	5,891.50	5,847.50	5,847.50	28.18	202.42	83.45	755.52	10,274.50	9,569.00	9,339.82	229.17	41.754		
6,100.00	5,991.50	5,947.50	5,947.50	28.57	205.91	83.45	755.52	10,274.50	9,569.00	9,335.94	233.06	41.058		
6,200.00	6,091.50	6,047.50	6,047.50	28.96	209.40	83.45	755.52	10,274.50	9,569.00	9,332.05	236.95	40.384		
6,300.00	6,191.50	6,147.50	6,147.50	29.35	212.89	83.45	755.52	10,274.50	9,569.00	9,328.16	240.84	39.732		
6,400.00	6,291.50	6,247.50	6,247.50	29.74	216.38	83.45	755.52	10,274.50	9,569.00	9,324.27	244.73	39.101		
6,500.00	6,391.50	6,347.50	6,347.50	30.13	219.87	83.45	755.52	10,274.50	9,569.00	9,320.38	248.62	38.489		
6,600.00	6,491.50	6,447.50	6,447.50	30.52	223.36	83.45	755.52	10,274.50	9,569.00	9,316.49	252.51	37.896		
6,639.95	6,531.45	6,487.45	6,487.45	30.68	224.76	83.45	755.52	10,274.50	9,569.00	9,314.93	254.06	37.664 CC		
6,650.00	6,541.50	6,502.50	6,497.50	30.72	225.28	175.30	755.52	10,274.50	9,569.08	9,314.45	254.63	37.580 ES		
6,700.00	6,591.41	6,547.41	6,547.41	30.90	226.85	175.28	755.52	10,274.50	9,571.82	9,315.44	256.38	37.334		
6,750.00	6,640.95	6,603.05	6,596.95	31.09	228.79	175.23	755.52	10,274.50	9,578.46	9,319.95	258.50	37.054		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 - KELLY #2-3 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,800.00	6,689.82	6,645.82	6,645.82	31.29	230.28	175.16	755.52	10,274.50	9,588.94	9,328.78	260.16	36.858	
6,850.00	6,737.71	6,706.29	6,693.71	31.49	232.39	175.05	755.52	10,274.50	9,603.22	9,340.80	262.43	36.594	
6,900.00	6,784.33	6,740.33	6,740.33	31.70	233.58	174.91	755.52	10,274.50	9,621.20	9,357.45	263.76	36.478	
6,950.00	6,829.39	6,785.39	6,785.39	31.92	235.16	174.73	755.52	10,274.50	9,642.77	9,377.32	265.46	36.325	
7,000.00	6,872.61	6,828.61	6,828.61	32.15	236.66	174.49	755.52	10,274.50	9,667.80	9,400.72	267.08	36.198	
7,050.00	6,913.73	6,869.73	6,869.73	32.41	238.10	174.21	755.52	10,274.50	9,696.13	9,427.51	268.62	36.096	
7,100.00	6,952.49	6,908.49	6,908.49	32.68	239.45	173.85	755.52	10,274.50	9,727.59	9,457.53	270.06	36.020	
7,150.00	6,988.66	6,944.66	6,944.66	32.98	240.72	173.39	755.52	10,274.50	9,761.99	9,490.59	271.40	35.969	
7,200.00	7,022.01	6,978.01	6,978.01	33.31	241.88	172.82	755.52	10,274.50	9,799.10	9,526.48	272.62	35.944	
7,250.00	7,052.33	7,008.33	7,008.33	33.67	242.94	172.08	755.52	10,274.50	9,838.72	9,564.98	273.74	35.942 SF	
7,300.00	7,079.44	7,035.44	7,035.44	34.07	243.88	171.11	755.52	10,274.50	9,880.58	9,605.86	274.72	35.966	
7,350.00	7,103.17	7,059.17	7,059.17	34.51	244.71	169.79	755.52	10,274.50	9,924.43	9,648.85	275.58	36.012	
7,400.00	7,123.38	7,079.38	7,079.38	34.98	245.42	167.90	755.52	10,274.50	9,970.01	9,693.70	276.32	36.082	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	96.44	-597.25	5,289.25	5,322.91					
100.00	100.00	96.15	96.15	3.28	3.29	96.44	-597.45	5,289.05	5,322.72	5,316.15	6.57	809.964		
200.00	200.00	231.63	231.62	3.34	3.34	96.45	-598.10	5,287.98	5,321.98	5,315.30	6.68	796.626		
300.00	300.00	314.73	314.72	3.44	3.43	96.46	-598.50	5,287.23	5,321.13	5,314.25	6.88	773.746		
400.00	399.98	445.99	445.97	3.60	3.64	-17.21	-599.11	5,286.04	5,318.67	5,311.42	7.24	734.350		
500.00	499.84	560.77	560.74	3.79	3.89	-17.26	-599.31	5,284.34	5,312.22	5,304.53	7.68	691.288		
600.00	599.45	627.87	627.83	4.03	4.06	-17.33	-599.61	5,283.51	5,302.68	5,294.60	8.09	655.777		
700.00	698.70	712.93	712.89	4.30	4.29	-17.43	-600.23	5,282.74	5,290.23	5,281.64	8.59	615.982		
800.00	797.47	792.84	792.80	4.61	4.52	-17.56	-600.69	5,282.25	5,274.76	5,265.64	9.12	578.110		
900.00	895.62	885.91	885.86	4.96	4.80	-17.74	-600.26	5,282.09	5,256.32	5,246.58	9.74	539.851		
1,000.00	993.06	968.31	968.22	5.34	5.06	-17.97	-597.92	5,282.18	5,234.68	5,224.33	10.35	505.944		
1,100.00	1,089.64	1,073.70	1,073.44	5.75	5.40	-18.29	-591.91	5,283.00	5,210.18	5,199.12	11.06	470.988		
1,110.48	1,099.71	1,093.11	1,092.80	5.80	5.46	-18.34	-590.58	5,283.10	5,207.39	5,196.22	11.17	466.089		
1,200.00	1,185.67	1,152.41	1,150.04	6.20	7.03	-19.21	-552.17	5,273.35	5,181.69	5,168.63	13.05	397.006		
1,300.00	1,281.70	1,160.20	1,160.78	6.67	7.42	-19.37	-546.53	5,267.42	5,148.91	5,135.08	13.83	372.430		
1,400.00	1,377.72	1,168.94	1,168.91	7.16	7.74	-19.51	-541.54	5,262.35	5,115.87	5,101.32	14.55	351.673		
1,500.00	1,473.75	1,175.00	1,174.81	7.66	8.00	-19.61	-538.59	5,258.97	5,083.78	5,068.56	15.22	334.009		
1,600.00	1,569.77	1,178.94	1,175.71	8.17	8.11	-19.65	-537.56	5,257.82	5,052.48	5,036.71	15.77	320.486		
1,700.00	1,665.80	1,184.00	1,184.63	8.69	8.38	-19.77	-534.16	5,255.52	5,022.21	5,005.73	16.47	304.848		
1,800.00	1,761.82	1,190.97	1,191.46	9.22	8.69	-19.90	-530.00	5,253.24	4,992.44	4,975.21	17.23	289.702		
1,900.00	1,857.85	1,197.85	1,194.22	9.76	9.01	-20.03	-526.57	5,250.85	4,962.76	4,944.76	18.00	275.668		
2,000.00	1,953.87	2,098.39	2,094.65	10.30	9.43	-20.18	-522.97	5,247.96	4,933.40	4,914.53	18.87	261.463		
2,100.00	2,049.90	2,161.94	2,158.15	10.84	9.69	-20.28	-521.11	5,246.09	4,904.08	4,884.48	19.60	250.209		
2,200.00	2,145.92	2,213.00	2,209.19	11.39	9.90	-20.35	-520.32	5,245.02	4,875.63	4,855.34	20.29	240.295		
2,300.00	2,241.94	2,286.68	2,282.85	11.95	10.21	-20.45	-519.39	5,243.95	4,847.86	4,826.79	21.07	230.095		
2,400.00	2,337.97	2,403.83	2,399.98	12.50	10.69	-20.61	-517.40	5,242.39	4,820.21	4,798.20	22.02	218.950		
2,500.00	2,433.99	2,535.97	2,532.06	13.06	11.25	-20.80	-514.74	5,239.56	4,791.73	4,768.71	23.02	208.139		
2,600.00	2,530.02	2,608.09	2,604.15	13.63	11.55	-20.90	-513.78	5,237.85	4,763.19	4,739.38	23.81	200.068		
2,700.00	2,626.04	2,674.00	2,670.05	14.19	11.81	-20.98	-514.19	5,236.90	4,735.53	4,710.96	24.57	192.738		
2,800.00	2,722.07	2,674.00	2,670.05	14.76	11.81	-20.98	-514.19	5,236.90	4,708.94	4,683.84	25.10	187.611		
2,900.00	2,818.09	2,731.79	2,727.84	15.32	12.04	-21.04	-514.98	5,237.04	4,683.34	4,657.51	25.83	181.322		
3,000.00	2,914.12	2,767.11	2,763.14	15.89	12.18	-21.09	-515.26	5,237.77	4,659.20	4,632.72	26.48	175.937		
3,100.00	3,010.14	2,888.28	2,884.28	16.46	12.65	-21.23	-515.93	5,240.71	4,635.41	4,607.98	27.43	168.964		
3,200.00	3,106.17	3,010.58	3,006.55	17.03	13.12	-21.38	-516.84	5,243.17	4,611.29	4,582.90	28.39	162.406		
3,298.02	3,200.29	3,139.99	3,135.94	17.59	13.63	-21.54	-517.84	5,244.74	4,586.87	4,557.50	29.37	156.181		
3,300.00	3,202.19	3,142.49	3,138.45	17.60	13.64	-21.54	-517.86	5,244.76	4,586.37	4,556.98	29.39	156.061		
3,400.00	3,298.70	3,239.73	3,235.68	18.16	14.03	-21.47	-518.81	5,245.63	4,562.83	4,532.57	30.26	150.779		
3,500.00	3,396.07	3,338.83	3,334.77	18.68	14.43	-21.42	-519.16	5,246.38	4,542.31	4,511.18	31.13	145.899		
3,600.00	3,494.17	3,420.84	3,416.78	19.18	14.77	-21.38	-518.66	5,247.26	4,525.26	4,493.32	31.94	141.675		
3,700.00	3,592.88	3,550.77	3,546.67	19.64	15.31	-21.40	-515.96	5,248.83	4,511.58	4,478.67	32.91	137.080		
3,800.00	3,692.10	3,660.75	3,656.62	20.08	15.77	-21.42	-513.37	5,249.22	4,500.19	4,466.38	33.80	133.124		
3,900.00	3,791.69	3,824.03	3,819.89	20.49	16.46	-21.44	-512.34	5,248.32	4,491.12	4,456.26	34.86	128.830		
4,000.00	3,891.53	3,879.17	3,875.02	20.88	16.69	-21.41	-512.43	5,247.84	4,485.21	4,449.68	35.53	126.223		
4,074.74	3,966.24	3,910.69	3,906.54	21.14	16.81	-21.39	-512.82	5,247.93	4,483.74	4,447.76	35.98	124.617		
4,108.50	4,000.00	3,933.00	3,928.85	21.27	16.91	92.26	-513.24	5,248.17	4,483.92	4,447.71	36.21	123.837		
4,200.00	4,091.50	4,007.16	4,002.99	21.58	17.21	92.28	-514.88	5,249.20	4,485.24	4,448.39	36.85	121.720		
4,300.00	4,191.50	4,087.24	4,083.03	21.92	17.53	92.30	-516.61	5,250.45	4,486.88	4,449.33	37.55	119.494		
4,400.00	4,291.50	4,161.82	4,157.59	22.27	17.84	92.32	-518.02	5,252.02	4,489.06	4,450.83	38.23	117.413		
4,500.00	4,391.50	4,383.44	4,379.17	22.62	18.75	92.34	-519.69	5,253.95	4,489.71	4,450.27	39.44	113.849		
4,600.00	4,491.50	4,503.18	4,498.91	22.97	19.26	92.34	-520.01	5,253.32	4,489.18	4,448.89	40.29	111.412		
4,700.00	4,591.50	4,617.27	4,613.00	23.33	19.74	92.34	-519.98	5,252.44	4,488.42	4,447.28	41.14	109.106		
4,800.00	4,691.50	4,742.90	4,738.61	23.69	20.27	92.34	-519.44	5,250.85	4,487.14	4,445.11	42.03	106.772		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,804.72	4,800.43	24.05	20.54	92.34	-519.35	5,250.19	4,486.04	4,443.34	42.70	105.060		
5,000.00	4,891.50	4,889.82	4,885.52	24.42	20.90	92.34	-519.47	5,249.79	4,485.56	4,442.11	43.45	103.226		
5,100.00	4,991.50	4,992.58	4,988.29	24.78	21.33	92.34	-519.68	5,249.39	4,485.18	4,440.91	44.27	101.315		
5,200.00	5,091.50	5,091.66	5,087.37	25.15	21.75	92.35	-520.20	5,248.93	4,484.74	4,439.67	45.07	99.499		
5,300.00	5,191.50	5,217.57	5,213.26	25.53	22.28	92.36	-521.21	5,247.88	4,483.91	4,437.94	45.97	97.540		
5,400.00	5,291.50	5,317.73	5,313.41	25.90	22.70	92.38	-522.57	5,246.84	4,482.93	4,436.15	46.78	95.828		
5,500.00	5,391.50	5,411.46	5,407.12	26.28	23.10	92.39	-523.57	5,245.87	4,481.95	4,434.38	47.57	94.212		
5,600.00	5,491.50	5,543.82	5,539.47	26.65	23.66	92.39	-523.04	5,244.49	4,480.95	4,432.45	48.50	92.392		
5,700.00	5,591.50	5,627.00	5,622.63	27.03	24.02	92.41	-524.67	5,243.10	4,479.39	4,430.13	49.26	90.934		
5,800.00	5,691.50	5,687.11	5,682.72	27.41	24.27	92.43	-526.18	5,242.44	4,478.49	4,428.55	49.94	89.677		
5,823.90	5,715.40	5,699.12	5,694.72	27.51	24.32	92.43	-526.41	5,242.41	4,478.45	4,428.35	50.09	89.400		
5,900.00	5,791.50	5,770.25	5,765.84	27.80	24.62	92.45	-527.60	5,242.49	4,478.58	4,427.88	50.70	88.339		
6,000.00	5,891.50	5,884.58	5,880.14	28.18	25.10	92.48	-529.93	5,242.23	4,478.43	4,426.86	51.56	86.851		
6,041.10	5,932.60	5,914.04	5,909.60	28.34	25.22	92.49	-530.57	5,242.15	4,478.36	4,426.50	51.86	86.353 CC		
6,100.00	5,991.50	5,949.72	5,945.28	28.57	25.37	92.49	-530.95	5,242.22	4,478.51	4,426.25	52.26	85.693		
6,200.00	6,091.50	6,200.00	6,052.61	28.96	26.42	92.49	-530.75	5,242.76	4,479.01	4,425.30	53.71	83.391		
6,300.00	6,191.50	6,188.16	6,183.70	29.35	26.38	92.51	-532.32	5,242.31	4,478.62	4,424.58	54.04	82.874		
6,380.04	6,271.54	6,253.00	6,248.54	29.66	26.65	92.51	-532.66	5,242.17	4,478.47	4,423.83	54.65	81.950		
6,400.00	6,291.50	6,253.00	6,248.54	29.74	26.65	92.51	-532.66	5,242.17	4,478.52	4,423.78	54.74	81.809 ES		
6,500.00	6,391.50	6,299.94	6,295.47	30.13	26.85	92.51	-532.51	5,242.55	4,479.44	4,424.07	55.38	80.891		
6,600.00	6,491.50	6,342.00	6,337.53	30.52	27.02	92.51	-532.41	5,243.56	4,481.76	4,425.78	55.98	80.055		
6,639.95	6,531.45	6,342.00	6,337.53	30.68	27.02	92.51	-532.41	5,243.56	4,483.11	4,426.95	56.16	79.829		
6,650.00	6,541.50	6,342.00	6,337.53	30.72	27.02	-175.64	-532.41	5,243.56	4,483.58	4,427.38	56.20	79.778		
6,700.00	6,591.41	6,342.00	6,337.53	30.90	27.02	-175.60	-532.41	5,243.56	4,488.61	4,432.22	56.40	79.590		
6,750.00	6,640.95	6,376.90	6,372.39	31.09	27.17	-175.55	-532.14	5,245.07	4,497.52	4,440.80	56.72	79.293		
6,800.00	6,689.82	6,388.88	6,384.35	31.29	27.22	-175.45	-531.95	5,245.78	4,510.86	4,453.92	56.93	79.229		
6,850.00	6,737.71	6,431.00	6,426.33	31.49	27.39	-175.35	-530.90	5,249.06	4,528.71	4,471.45	57.26	79.092 SF		
6,900.00	6,784.33	6,431.00	6,426.33	31.70	27.39	-175.18	-530.90	5,249.06	4,549.86	4,492.47	57.39	79.283		
6,950.00	6,829.39	6,431.00	6,426.33	31.92	27.39	-174.95	-530.90	5,249.06	4,574.90	4,517.41	57.50	79.570		
7,000.00	6,872.61	6,431.00	6,426.33	32.15	27.39	-174.67	-530.90	5,249.06	4,603.63	4,546.05	57.58	79.949		
7,050.00	6,913.73	6,431.00	6,426.33	32.41	27.39	-174.30	-530.90	5,249.06	4,635.80	4,578.15	57.65	80.413		
7,100.00	6,952.49	6,431.00	6,426.33	32.68	27.39	-173.84	-530.90	5,249.06	4,671.14	4,613.44	57.70	80.955		
7,150.00	6,988.66	6,431.00	6,426.33	32.98	27.39	-173.23	-530.90	5,249.06	4,709.36	4,651.62	57.74	81.568		
7,200.00	7,022.01	6,467.08	6,462.20	33.31	27.54	-172.55	-529.91	5,252.78	4,749.62	4,691.69	57.93	81.982		
7,250.00	7,052.33	6,473.55	6,468.63	33.67	27.57	-171.53	-529.77	5,253.53	4,792.48	4,734.50	57.98	82.658		
7,300.00	7,079.44	6,479.07	6,474.11	34.07	27.59	-170.10	-529.66	5,254.19	4,837.30	4,779.28	58.01	83.384		
7,350.00	7,103.17	6,483.62	6,478.62	34.51	27.61	-167.97	-529.57	5,254.74	4,883.75	4,825.71	58.03	84.153		
7,400.00	7,123.38	6,487.18	6,482.15	34.98	27.62	-164.53	-529.50	5,255.19	4,931.51	4,873.47	58.05	84.956		
7,450.00	7,139.94	6,520.00	6,514.66	35.50	27.76	-158.88	-529.06	5,259.65	4,980.65	4,922.45	58.21	85.569		
7,500.00	7,152.75	6,520.00	6,514.66	36.05	27.76	-145.20	-529.06	5,259.65	5,030.06	4,971.86	58.20	86.423		
7,550.00	7,161.73	6,520.00	6,514.66	36.64	27.76	-105.00	-529.06	5,259.65	5,079.85	5,021.65	58.20	87.280		
7,600.00	7,166.82	6,520.00	6,514.66	37.26	27.76	-47.51	-529.06	5,259.65	5,129.72	5,071.51	58.21	88.128		
7,649.14	7,168.00	6,520.00	6,514.66	37.89	27.76	-25.62	-529.06	5,259.65	5,178.50	5,120.28	58.22	88.946		
7,700.00	7,167.27	6,520.00	6,514.66	38.57	27.76	-25.62	-529.06	5,259.65	5,228.79	5,170.55	58.24	89.781		
7,800.00	7,165.83	6,485.35	6,480.34	40.04	27.62	-24.60	-529.54	5,254.96	5,327.21	5,269.09	58.11	91.673		
7,900.00	7,164.38	6,482.12	6,477.13	41.66	27.60	-24.51	-529.60	5,254.56	5,426.05	5,367.92	58.14	93.331		
8,000.00	7,162.94	6,478.98	6,474.01	43.40	27.59	-24.42	-529.66	5,254.17	5,524.93	5,466.77	58.17	94.985		
8,100.00	7,161.50	6,475.92	6,470.97	45.26	27.58	-24.33	-529.72	5,253.81	5,623.85	5,565.65	58.20	96.637		
8,200.00	7,160.05	6,472.94	6,468.01	47.21	27.56	-24.25	-529.78	5,253.45	5,722.79	5,664.57	58.23	98.284		
8,300.00	7,158.61	6,470.03	6,465.13	49.26	27.55	-24.17	-529.84	5,253.12	5,821.77	5,763.51	58.26	99.929		
8,400.00	7,157.17	6,467.21	6,462.32	51.38	27.54	-24.10	-529.91	5,252.79	5,920.77	5,862.48	58.29	101.570		
8,500.00	7,155.73	6,464.45	6,459.59	53.57	27.53	-24.02	-529.97	5,252.48	6,019.80	5,961.47	58.33	103.208		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,600.00	7,154.28	6,431.00	6,426.33	55.82	27.39	-23.18	-530.90	5,249.06	6,119.22	6,060.99	58.23	105.090		
8,700.00	7,152.84	6,431.00	6,426.33	58.12	27.39	-23.18	-530.90	5,249.06	6,218.24	6,159.96	58.28	106.699		
8,800.00	7,151.40	6,431.00	6,426.33	60.47	27.39	-23.18	-530.90	5,249.06	6,317.29	6,258.96	58.33	108.305		
8,900.00	7,149.95	6,431.00	6,426.33	62.86	27.39	-23.18	-530.90	5,249.06	6,416.37	6,357.99	58.38	109.908		
9,000.00	7,148.51	6,431.00	6,426.33	65.28	27.39	-23.18	-530.90	5,249.06	6,515.47	6,457.04	58.43	111.508		
9,100.00	7,147.07	6,431.00	6,426.33	67.74	27.39	-23.18	-530.90	5,249.06	6,614.61	6,556.13	58.48	113.105		
9,200.00	7,145.62	6,431.00	6,426.33	70.23	27.39	-23.18	-530.90	5,249.06	6,713.77	6,655.23	58.53	114.699		
9,300.00	7,144.18	6,431.00	6,426.33	72.74	27.39	-23.18	-530.90	5,249.06	6,812.95	6,754.37	58.59	116.289		
9,400.00	7,142.74	6,431.00	6,426.33	75.28	27.39	-23.18	-530.90	5,249.06	6,912.16	6,853.52	58.64	117.876		
9,500.00	7,141.29	6,431.00	6,426.33	77.84	27.39	-23.18	-530.90	5,249.06	7,011.39	6,952.70	58.69	119.460		
9,600.00	7,139.85	6,431.00	6,426.33	80.42	27.39	-23.18	-530.90	5,249.06	7,110.64	7,051.90	58.75	121.040		
9,700.00	7,138.41	6,431.00	6,426.33	83.01	27.39	-23.18	-530.90	5,249.06	7,209.91	7,151.11	58.80	122.616		
9,800.00	7,136.97	6,431.00	6,426.33	85.62	27.39	-23.18	-530.90	5,249.06	7,309.21	7,250.35	58.86	124.189		
9,900.00	7,135.52	6,431.00	6,426.33	88.25	27.39	-23.18	-530.90	5,249.06	7,408.52	7,349.61	58.91	125.758		
10,000.00	7,134.08	6,431.00	6,426.33	90.89	27.39	-23.18	-530.90	5,249.06	7,507.85	7,448.88	58.97	127.323		
10,100.00	7,132.64	6,431.00	6,426.33	93.54	27.39	-23.18	-530.90	5,249.06	7,607.20	7,548.17	59.02	128.885		
10,200.00	7,131.19	6,431.00	6,426.33	96.20	27.39	-23.18	-530.90	5,249.06	7,706.56	7,647.48	59.08	130.442		
10,300.00	7,129.75	6,431.00	6,426.33	98.87	27.39	-23.18	-530.90	5,249.06	7,805.94	7,746.80	59.14	131.996		
10,400.00	7,128.31	6,431.00	6,426.33	101.55	27.39	-23.18	-530.90	5,249.06	7,905.34	7,846.14	59.20	133.545		
10,500.00	7,126.86	6,431.00	6,426.33	104.24	27.39	-23.18	-530.90	5,249.06	8,004.75	7,945.49	59.25	135.091		
10,600.00	7,125.42	6,431.00	6,426.33	106.94	27.39	-23.18	-530.90	5,249.06	8,104.17	8,044.86	59.31	136.632		
10,700.00	7,123.98	6,431.00	6,426.33	109.64	27.39	-23.18	-530.90	5,249.06	8,203.61	8,144.24	59.37	138.170		
10,800.00	7,122.53	6,431.00	6,426.33	112.36	27.39	-23.18	-530.90	5,249.06	8,303.07	8,243.63	59.43	139.703		
10,900.00	7,121.09	6,431.00	6,426.33	115.08	27.39	-23.18	-530.90	5,249.06	8,402.53	8,343.04	59.49	141.231		
11,000.00	7,119.65	6,431.00	6,426.33	117.80	27.39	-23.18	-530.90	5,249.06	8,502.01	8,442.45	59.56	142.756		
11,100.00	7,118.20	6,431.00	6,426.33	120.53	27.39	-23.18	-530.90	5,249.06	8,601.50	8,541.88	59.62	144.276		
11,200.00	7,116.76	6,431.00	6,426.33	123.26	27.39	-23.18	-530.90	5,249.06	8,701.00	8,641.32	59.68	145.791		
11,300.00	7,115.32	6,431.00	6,426.33	126.00	27.39	-23.18	-530.90	5,249.06	8,800.52	8,740.77	59.74	147.302		
11,400.00	7,113.88	6,431.00	6,426.33	128.75	27.39	-23.18	-530.90	5,249.06	8,900.04	8,840.23	59.81	148.808		
11,500.00	7,112.43	6,431.00	6,426.33	131.50	27.39	-23.18	-530.90	5,249.06	8,999.58	8,939.70	59.87	150.310		
11,600.00	7,110.99	6,431.00	6,426.33	134.25	27.39	-23.18	-530.90	5,249.06	9,099.12	9,039.18	59.94	151.807		
11,700.00	7,109.55	6,431.00	6,426.33	137.01	27.39	-23.18	-530.90	5,249.06	9,198.68	9,138.67	60.00	153.300		
11,800.00	7,108.10	6,431.00	6,426.33	139.77	27.39	-23.18	-530.90	5,249.06	9,298.24	9,238.17	60.07	154.788		
11,900.00	7,106.66	6,431.00	6,426.33	142.53	27.39	-23.18	-530.90	5,249.06	9,397.82	9,337.68	60.14	156.270		
12,000.00	7,105.22	6,431.00	6,426.33	145.30	27.39	-23.18	-530.90	5,249.06	9,497.40	9,437.19	60.21	157.749		
12,100.00	7,103.77	6,431.00	6,426.33	148.06	27.39	-23.18	-530.90	5,249.06	9,596.99	9,536.72	60.27	159.222		
12,200.00	7,102.33	6,431.00	6,426.33	150.84	27.39	-23.18	-530.90	5,249.06	9,696.59	9,636.25	60.34	160.690		
12,300.00	7,100.89	6,431.00	6,426.33	153.61	27.39	-23.18	-530.90	5,249.06	9,796.20	9,735.79	60.41	162.154		
12,400.00	7,099.44	6,431.00	6,426.33	156.39	27.39	-23.18	-530.90	5,249.06	9,895.81	9,835.33	60.48	163.612		
12,500.00	7,098.00	6,431.00	6,426.33	159.17	27.39	-23.18	-530.90	5,249.06	9,995.44	9,934.88	60.55	165.065		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	96.58	-605.27	5,250.00	5,284.83					
100.00	100.00	92.51	92.50	3.28	3.29	96.59	-606.16	5,249.77	5,284.67	5,278.10	6.57	804.005		
200.00	200.00	206.40	206.37	3.34	3.36	96.61	-608.22	5,248.93	5,284.13	5,277.43	6.70	788.855		
300.00	300.00	292.03	291.99	3.44	3.46	96.62	-609.58	5,248.43	5,283.74	5,276.83	6.91	764.837		
400.00	399.98	388.99	388.94	3.60	3.62	-17.03	-611.03	5,248.02	5,281.82	5,274.59	7.22	731.402		
500.00	499.84	540.16	540.08	3.79	3.95	-17.06	-613.26	5,247.03	5,276.46	5,268.71	7.75	680.983		
600.00	599.45	680.29	680.08	4.03	4.33	-17.10	-618.48	5,243.91	5,266.26	5,257.89	8.37	629.319		
700.00	698.70	742.00	741.62	4.30	4.52	-17.15	-622.65	5,242.32	5,252.90	5,244.08	8.83	595.106		
800.00	797.47	799.65	799.08	4.61	4.71	-17.22	-627.34	5,241.17	5,236.99	5,227.68	9.32	562.150		
900.00	895.62	837.00	836.29	4.96	4.84	-17.32	-630.48	5,240.76	5,218.77	5,209.00	9.77	534.120		
1,000.00	993.06	888.24	887.33	5.34	5.01	-17.43	-635.05	5,240.70	5,198.27	5,187.96	10.30	504.507		
1,100.00	1,089.64	930.00	928.88	5.75	5.16	-17.57	-639.09	5,241.13	5,175.58	5,164.75	10.83	477.887		
1,110.48	1,099.71	930.00	928.88	5.80	5.16	-17.58	-639.09	5,241.13	5,173.08	5,162.21	10.88	475.642		
1,200.00	1,185.67	960.59	959.31	6.20	5.27	-17.58	-642.16	5,241.79	5,152.11	5,140.77	11.34	454.458		
1,300.00	1,281.70	991.68	990.22	6.67	5.39	-17.57	-645.31	5,242.86	5,129.87	5,118.01	11.86	432.577		
1,400.00	1,377.72	1,025.00	1,023.33	7.16	5.51	-17.57	-648.73	5,244.45	5,108.89	5,096.49	12.41	411.822		
1,500.00	1,473.75	1,500.00	1,303.66	7.66	7.35	-17.64	-667.31	5,255.22	5,086.39	5,071.75	14.64	347.401		
1,600.00	1,569.77	1,361.08	1,358.45	8.17	6.79	-17.67	-669.67	5,256.65	5,062.78	5,048.25	14.53	348.462		
1,700.00	1,665.80	1,418.76	1,416.03	8.69	7.02	-17.70	-672.30	5,258.81	5,040.16	5,024.96	15.20	331.491		
1,800.00	1,761.82	1,512.96	1,509.97	9.22	7.40	-17.73	-678.22	5,262.51	5,017.95	5,001.92	16.03	312.978		
1,900.00	1,857.85	1,622.51	1,619.25	9.76	7.85	-17.77	-684.65	5,266.60	4,995.51	4,978.57	16.93	294.998		
2,000.00	1,953.87	1,778.12	1,774.56	10.30	8.50	-17.84	-692.88	5,271.67	4,972.61	4,954.59	18.02	275.932		
2,100.00	2,049.90	1,854.00	1,850.33	10.84	8.81	-17.88	-696.21	5,273.91	4,949.25	4,930.45	18.80	263.214		
2,200.00	2,145.92	1,935.54	1,931.73	11.39	9.15	-17.92	-700.12	5,276.59	4,926.26	4,906.65	19.62	251.146		
2,300.00	2,241.94	1,990.17	1,986.26	11.95	9.39	-17.94	-702.94	5,278.61	4,903.76	4,883.44	20.33	241.230		
2,400.00	2,337.97	2,041.81	2,037.76	12.50	9.61	-17.97	-705.72	5,281.03	4,882.20	4,861.17	21.03	232.114		
2,500.00	2,433.99	2,131.64	2,127.36	13.06	9.99	-18.01	-710.15	5,285.75	4,861.16	4,839.27	21.89	222.058		
2,600.00	2,530.02	2,251.62	2,247.01	13.63	10.51	-18.07	-716.59	5,291.88	4,840.03	4,817.16	22.88	211.574		
2,700.00	2,626.04	2,360.52	2,355.53	14.19	11.00	-18.10	-724.29	5,296.66	4,818.36	4,794.53	23.83	202.196		
2,800.00	2,722.07	2,455.51	2,450.19	14.76	11.42	-18.13	-730.82	5,300.98	4,796.84	4,772.11	24.73	193.958		
2,900.00	2,818.09	2,561.29	2,555.69	15.32	11.89	-18.17	-736.99	5,305.72	4,775.15	4,749.48	25.67	185.990		
3,000.00	2,914.12	2,752.71	2,746.63	15.89	12.74	-18.24	-748.93	5,311.70	4,751.94	4,724.98	26.96	176.262		
3,100.00	3,010.14	2,873.57	2,867.08	16.46	13.29	-18.25	-758.60	5,314.16	4,728.11	4,700.14	27.98	169.004		
3,200.00	3,106.17	2,972.94	2,966.22	17.03	13.74	-18.29	-764.86	5,316.06	4,704.00	4,675.09	28.90	162.754		
3,298.02	3,200.29	3,105.95	3,099.07	17.59	14.32	-18.36	-771.09	5,318.22	4,679.92	4,649.98	29.94	156.326		
3,300.00	3,202.19	3,108.73	3,101.84	17.60	14.33	-18.36	-771.20	5,318.25	4,679.42	4,649.46	29.96	156.199		
3,400.00	3,298.70	3,267.18	3,260.24	18.16	15.01	-18.32	-775.03	5,319.21	4,655.24	4,624.17	31.07	149.834		
3,500.00	3,396.07	3,365.38	3,358.43	18.68	15.42	-18.26	-775.67	5,319.54	4,633.94	4,601.99	31.95	145.042		
3,600.00	3,494.17	3,451.26	3,444.31	19.18	15.78	-18.21	-776.22	5,319.75	4,615.83	4,583.06	32.78	140.830		
3,700.00	3,592.88	3,525.28	3,518.33	19.64	16.09	-18.16	-776.53	5,320.39	4,601.55	4,568.00	33.55	137.155		
3,800.00	3,692.10	3,619.22	3,612.26	20.08	16.47	-18.13	-776.93	5,321.54	4,590.93	4,556.55	34.38	133.552		
3,900.00	3,791.69	3,723.96	3,716.99	20.49	16.90	-18.13	-777.04	5,322.70	4,583.47	4,548.25	35.22	130.136		
4,000.00	3,891.53	3,819.97	3,813.00	20.88	17.29	-18.12	-776.98	5,323.85	4,579.40	4,543.38	36.02	127.124		
4,078.67	3,970.17	3,908.85	3,901.87	21.16	17.66	-18.13	-777.02	5,324.88	4,578.50	4,541.83	36.68	124.835		
4,108.50	4,000.00	3,946.02	3,939.04	21.27	17.81	95.52	-776.97	5,325.22	4,578.63	4,541.69	36.94	123.963		
4,200.00	4,091.50	4,047.91	4,040.93	21.58	18.23	95.52	-777.12	5,325.94	4,579.29	4,541.61	37.68	121.539		
4,300.00	4,191.50	4,122.00	4,115.00	21.92	18.55	95.54	-778.28	5,326.60	4,580.28	4,541.90	38.38	119.336		
4,400.00	4,291.50	4,275.55	4,268.54	22.27	19.20	95.55	-779.53	5,327.05	4,580.54	4,541.19	39.35	116.394		
4,500.00	4,391.50	4,375.52	4,368.51	22.62	19.61	95.55	-779.65	5,327.04	4,580.54	4,540.41	40.13	114.133		
4,538.98	4,430.48	4,414.49	4,407.48	22.76	19.76	95.55	-779.65	5,327.04	4,580.54	4,540.11	40.44	113.281		
4,600.00	4,491.50	4,475.51	4,468.50	22.97	20.01	95.55	-779.65	5,327.04	4,580.54	4,539.63	40.91	111.976		
4,700.00	4,591.50	4,610.59	4,603.58	23.33	20.54	95.55	-779.45	5,326.45	4,580.07	4,538.28	41.79	109.606		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,800.00	4,691.50	4,710.16	4,703.15	23.69	20.93	95.55	-779.25	5,325.65	4,579.25	4,536.70	42.56	107.601		
4,900.00	4,791.50	4,792.27	4,785.26	24.05	21.25	95.55	-779.05	5,325.17	4,578.65	4,535.37	43.28	105.795		
4,979.86	4,871.36	4,855.37	4,848.36	24.34	21.50	95.55	-778.84	5,325.09	4,578.52	4,534.67	43.85	104.420		
5,000.00	4,891.50	4,872.87	4,865.86	24.42	21.57	95.54	-778.75	5,325.10	4,578.53	4,534.53	44.00	104.069		
5,100.00	4,991.50	4,978.79	4,971.77	24.78	21.99	95.54	-777.98	5,325.29	4,578.64	4,533.85	44.79	102.222		
5,200.00	5,091.50	5,097.56	5,090.54	25.15	22.46	95.53	-777.35	5,324.98	4,578.33	4,532.70	45.63	100.337		
5,300.00	5,191.50	5,204.22	5,197.20	25.53	22.89	95.53	-777.28	5,324.35	4,577.73	4,531.29	46.44	98.567		
5,400.00	5,291.50	5,286.60	5,279.58	25.90	23.23	95.53	-777.60	5,323.98	4,577.31	4,530.11	47.19	96.993		
5,500.00	5,391.50	5,393.31	5,386.28	26.28	23.68	95.54	-778.61	5,323.57	4,577.02	4,528.99	48.03	95.292		
5,600.00	5,491.50	5,521.07	5,514.04	26.65	24.21	95.55	-778.68	5,322.71	4,576.36	4,527.43	48.93	93.533		
5,700.00	5,591.50	5,620.73	5,613.65	27.03	24.60	95.51	-776.02	5,321.90	4,575.29	4,525.57	49.72	92.021		
5,800.00	5,691.50	5,720.07	5,712.97	27.41	25.00	95.49	-774.08	5,321.12	4,574.33	4,523.82	50.51	90.561		
5,900.00	5,791.50	5,805.28	5,798.17	27.80	25.34	95.48	-773.29	5,320.50	4,573.51	4,522.25	51.27	89.213		
6,000.00	5,891.50	5,918.69	5,911.59	28.18	25.80	95.48	-773.37	5,319.62	4,572.75	4,520.63	52.12	87.740		
6,100.00	5,991.50	6,015.04	6,007.92	28.57	26.21	95.49	-773.97	5,318.68	4,571.84	4,518.92	52.93	86.379		
6,200.00	6,091.50	6,112.43	6,105.30	28.96	26.62	95.51	-775.02	5,317.85	4,571.09	4,517.34	53.75	85.049		
6,300.00	6,191.50	6,199.76	6,192.62	29.35	26.99	95.52	-776.29	5,316.93	4,570.22	4,515.69	54.53	83.807		
6,350.90	6,242.40	6,226.56	6,219.42	29.54	27.11	95.53	-776.51	5,316.84	4,570.08	4,515.21	54.87	83.284 CC		
6,400.00	6,291.50	6,260.00	6,252.86	29.74	27.25	95.53	-776.57	5,316.94	4,570.22	4,514.99	55.23	82.755		
6,500.00	6,391.50	6,349.00	6,341.86	30.13	27.62	95.53	-776.59	5,317.03	4,570.36	4,514.35	56.01	81.598 ES		
6,600.00	6,491.50	6,409.51	6,402.37	30.52	27.87	95.53	-776.58	5,317.34	4,571.07	4,514.37	56.70	80.620		
6,639.95	6,531.45	6,438.00	6,430.85	30.68	27.99	95.53	-776.48	5,317.89	4,571.79	4,514.80	56.99	80.224		
6,650.00	6,541.50	6,438.00	6,430.85	30.72	27.99	-172.62	-776.48	5,317.89	4,572.05	4,515.01	57.03	80.163		
6,700.00	6,591.41	6,438.00	6,430.85	30.90	27.99	-172.57	-776.48	5,317.89	4,576.00	4,518.75	57.25	79.930		
6,750.00	6,640.95	6,438.00	6,430.85	31.09	27.99	-172.47	-776.48	5,317.89	4,584.36	4,526.91	57.45	79.800		
6,800.00	6,689.82	6,438.00	6,430.85	31.29	27.99	-172.32	-776.48	5,317.89	4,597.04	4,539.41	57.63	79.772		
6,850.00	6,737.71	6,474.81	6,467.63	31.49	28.15	-172.13	-776.22	5,319.34	4,613.22	4,555.29	57.93	79.632 SF		
6,900.00	6,784.33	6,484.30	6,477.10	31.70	28.19	-171.85	-776.13	5,319.89	4,633.76	4,575.65	58.11	79.741		
6,950.00	6,829.39	6,493.35	6,486.13	31.92	28.22	-171.50	-776.03	5,320.49	4,658.12	4,599.85	58.27	79.943		
7,000.00	6,872.61	6,527.00	6,519.66	32.15	28.36	-171.09	-775.58	5,323.32	4,686.41	4,627.90	58.51	80.096		
7,050.00	6,913.73	6,527.00	6,519.66	32.41	28.36	-170.51	-775.58	5,323.32	4,717.60	4,659.01	58.59	80.514		
7,100.00	6,952.49	6,527.00	6,519.66	32.68	28.36	-169.78	-775.58	5,323.32	4,752.01	4,693.35	58.66	81.013		
7,150.00	6,988.66	6,527.00	6,519.66	32.98	28.36	-168.84	-775.58	5,323.32	4,789.36	4,730.65	58.70	81.584		
7,200.00	7,022.01	6,527.00	6,519.66	33.31	28.36	-167.62	-775.58	5,323.32	4,829.35	4,770.61	58.74	82.219		
7,250.00	7,052.33	6,527.00	6,519.66	33.67	28.36	-165.98	-775.58	5,323.32	4,871.68	4,812.92	58.76	82.911		
7,300.00	7,079.44	6,527.00	6,519.66	34.07	28.36	-163.72	-775.58	5,323.32	4,916.03	4,857.26	58.77	83.650		
7,350.00	7,103.17	6,527.00	6,519.66	34.51	28.36	-160.44	-775.58	5,323.32	4,962.08	4,903.30	58.77	84.428		
7,400.00	7,123.38	6,527.00	6,519.66	34.98	28.36	-155.37	-775.58	5,323.32	5,009.49	4,950.72	58.77	85.235		
7,450.00	7,139.94	6,527.00	6,519.66	35.50	28.36	-146.79	-775.58	5,323.32	5,057.95	4,999.17	58.77	86.063		
7,500.00	7,152.75	6,527.00	6,519.66	36.05	28.36	-130.63	-775.58	5,323.32	5,107.12	5,048.35	58.77	86.901		
7,550.00	7,161.73	6,527.00	6,519.66	36.64	28.36	-99.99	-775.58	5,323.32	5,156.69	5,097.92	58.77	87.741		
7,600.00	7,166.82	6,527.00	6,519.66	37.26	28.36	-62.83	-775.58	5,323.32	5,206.35	5,147.57	58.78	88.574		
7,649.14	7,168.00	6,527.00	6,519.66	37.89	28.36	-39.94	-775.58	5,323.32	5,254.93	5,196.14	58.80	89.377		
7,700.00	7,167.27	6,527.00	6,519.66	38.57	28.36	-39.94	-775.58	5,323.32	5,305.03	5,246.22	58.82	90.196		
7,800.00	7,165.83	6,527.00	6,519.66	40.04	28.36	-39.94	-775.58	5,323.32	5,403.57	5,344.71	58.86	91.800		
7,900.00	7,164.38	6,527.00	6,519.66	41.66	28.36	-39.94	-775.58	5,323.32	5,502.16	5,443.25	58.91	93.400		
8,000.00	7,162.94	6,527.00	6,519.66	43.40	28.36	-39.94	-775.58	5,323.32	5,600.79	5,541.83	58.96	94.994		
8,100.00	7,161.50	6,527.00	6,519.66	45.26	28.36	-39.94	-775.58	5,323.32	5,699.48	5,640.47	59.01	96.585		
8,200.00	7,160.05	6,527.00	6,519.66	47.21	28.36	-39.94	-775.58	5,323.32	5,798.21	5,739.15	59.06	98.171		
8,300.00	7,158.61	6,527.00	6,519.66	49.26	28.36	-39.94	-775.58	5,323.32	5,896.98	5,837.87	59.12	99.753		
8,400.00	7,157.17	6,527.00	6,519.66	51.38	28.36	-39.94	-775.58	5,323.32	5,995.80	5,936.63	59.17	101.330		
8,500.00	7,155.73	6,527.00	6,519.66	53.57	28.36	-39.94	-775.58	5,323.32	6,094.65	6,035.42	59.23	102.903		

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 13C-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 13C-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-MWDD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,154.28	6,527.00	6,519.66	55.82	28.36	-39.94	-775.58	5,323.32	6,193.54	6,134.25	59.28	104.472		
8,700.00	7,152.84	6,527.00	6,519.66	58.12	28.36	-39.94	-775.58	5,323.32	6,292.46	6,233.12	59.34	106.037		
8,800.00	7,151.40	6,527.00	6,519.66	60.47	28.36	-39.94	-775.58	5,323.32	6,391.42	6,332.02	59.40	107.597		
8,900.00	7,149.95	6,527.00	6,519.66	62.86	28.36	-39.94	-775.58	5,323.32	6,490.41	6,430.95	59.46	109.154		
9,000.00	7,148.51	6,527.00	6,519.66	65.28	28.36	-39.94	-775.58	5,323.32	6,589.43	6,529.91	59.52	110.706		
9,100.00	7,147.07	6,527.00	6,519.66	67.74	28.36	-39.94	-775.58	5,323.32	6,688.48	6,628.90	59.58	112.254		
9,200.00	7,145.62	6,527.00	6,519.66	70.23	28.36	-39.94	-775.58	5,323.32	6,787.56	6,727.91	59.65	113.798		
9,300.00	7,144.18	6,527.00	6,519.66	72.74	28.36	-39.94	-775.58	5,323.32	6,886.66	6,826.95	59.71	115.338		
9,400.00	7,142.74	6,527.00	6,519.66	75.28	28.36	-39.94	-775.58	5,323.32	6,985.79	6,926.02	59.77	116.874		
9,500.00	7,141.29	6,527.00	6,519.66	77.84	28.36	-39.94	-775.58	5,323.32	7,084.95	7,025.11	59.84	118.406		
9,600.00	7,139.85	6,527.00	6,519.66	80.42	28.36	-39.94	-775.58	5,323.32	7,184.12	7,124.22	59.90	119.933		
9,700.00	7,138.41	6,527.00	6,519.66	83.01	28.36	-39.94	-775.58	5,323.32	7,283.32	7,223.36	59.97	121.456		
9,800.00	7,136.97	6,527.00	6,519.66	85.62	28.36	-39.94	-775.58	5,323.32	7,382.55	7,322.51	60.03	122.975		
9,900.00	7,135.52	6,527.00	6,519.66	88.25	28.36	-39.94	-775.58	5,323.32	7,481.79	7,421.69	60.10	124.490		
10,000.00	7,134.08	6,527.00	6,519.66	90.89	28.36	-39.94	-775.58	5,323.32	7,581.05	7,520.88	60.17	126.001		
10,100.00	7,132.64	6,527.00	6,519.66	93.54	28.36	-39.94	-775.58	5,323.32	7,680.33	7,620.10	60.23	127.507		
10,200.00	7,131.19	6,527.00	6,519.66	96.20	28.36	-39.94	-775.58	5,323.32	7,779.63	7,719.33	60.30	129.009		
10,300.00	7,129.75	6,527.00	6,519.66	98.87	28.36	-39.94	-775.58	5,323.32	7,878.95	7,818.58	60.37	130.507		
10,400.00	7,128.31	6,527.00	6,519.66	101.55	28.36	-39.94	-775.58	5,323.32	7,978.28	7,917.84	60.44	132.001		
10,500.00	7,126.86	6,527.00	6,519.66	104.24	28.36	-39.94	-775.58	5,323.32	8,077.63	8,017.12	60.51	133.490		
10,600.00	7,125.42	6,527.00	6,519.66	106.94	28.36	-39.94	-775.58	5,323.32	8,177.00	8,116.42	60.58	134.975		
10,700.00	7,123.98	6,527.00	6,519.66	109.64	28.36	-39.94	-775.58	5,323.32	8,276.38	8,215.73	60.65	136.456		
10,800.00	7,122.53	6,527.00	6,519.66	112.36	28.36	-39.94	-775.58	5,323.32	8,375.78	8,315.06	60.72	137.932		
10,900.00	7,121.09	6,527.00	6,519.66	115.08	28.36	-39.94	-775.58	5,323.32	8,475.19	8,414.40	60.80	139.404		
11,000.00	7,119.65	6,527.00	6,519.66	117.80	28.36	-39.94	-775.58	5,323.32	8,574.62	8,513.75	60.87	140.871		
11,100.00	7,118.20	6,527.00	6,519.66	120.53	28.36	-39.94	-775.58	5,323.32	8,674.05	8,613.11	60.94	142.334		
11,200.00	7,116.76	6,527.00	6,519.66	123.26	28.36	-39.94	-775.58	5,323.32	8,773.50	8,712.49	61.02	143.792		
11,300.00	7,115.32	6,527.00	6,519.66	126.00	28.36	-39.94	-775.58	5,323.32	8,872.97	8,811.88	61.09	145.246		
11,400.00	7,113.88	6,527.00	6,519.66	128.75	28.36	-39.94	-775.58	5,323.32	8,972.44	8,911.28	61.16	146.696		
11,500.00	7,112.43	6,527.00	6,519.66	131.50	28.36	-39.94	-775.58	5,323.32	9,071.93	9,010.69	61.24	148.140		
11,600.00	7,110.99	6,527.00	6,519.66	134.25	28.36	-39.94	-775.58	5,323.32	9,171.43	9,110.11	61.31	149.581		
11,700.00	7,109.55	6,488.04	6,480.83	137.01	28.20	-38.45	-776.09	5,320.13	9,270.22	9,208.95	61.27	151.299		
11,800.00	7,108.10	6,487.12	6,479.92	139.77	28.20	-38.41	-776.10	5,320.07	9,369.71	9,308.36	61.35	152.737		
11,900.00	7,106.66	6,486.22	6,479.03	142.53	28.19	-38.38	-776.11	5,320.01	9,469.21	9,407.78	61.42	154.169		
12,000.00	7,105.22	6,485.34	6,478.15	145.30	28.19	-38.35	-776.12	5,319.96	9,568.71	9,507.21	61.50	155.598		
12,100.00	7,103.77	6,484.48	6,477.28	148.06	28.19	-38.31	-776.13	5,319.90	9,668.23	9,606.65	61.57	157.021		
12,200.00	7,102.33	6,483.63	6,476.44	150.84	28.18	-38.28	-776.14	5,319.85	9,767.75	9,706.10	61.65	158.439		
12,300.00	7,100.89	6,482.80	6,475.60	153.61	28.18	-38.25	-776.15	5,319.80	9,867.28	9,805.56	61.73	159.853		
12,400.00	7,099.44	6,481.98	6,474.79	156.39	28.18	-38.22	-776.15	5,319.75	9,966.83	9,905.02	61.81	161.262		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	96.21	-575.02	5,284.79	5,316.03					
100.00	100.00	87.22	87.22	3.28	3.29	96.21	-575.01	5,284.71	5,315.91	5,309.34	6.57	809.082		
200.00	200.00	186.97	186.97	3.34	3.34	96.21	-574.80	5,284.55	5,315.73	5,309.05	6.68	795.815		
300.00	300.00	287.04	287.04	3.44	3.45	96.20	-574.26	5,284.41	5,315.53	5,308.63	6.90	770.591		
400.00	399.98	389.49	389.49	3.60	3.62	-17.47	-573.95	5,284.29	5,313.72	5,306.51	7.22	736.398		
500.00	499.84	506.67	506.66	3.79	3.86	-17.52	-574.16	5,283.68	5,308.22	5,300.56	7.65	693.768		
600.00	599.45	588.66	588.65	4.03	4.05	-17.59	-574.37	5,283.28	5,299.46	5,291.37	8.08	655.635		
700.00	698.70	648.00	647.99	4.30	4.21	-17.69	-573.90	5,283.33	5,287.89	5,279.38	8.51	621.459		
800.00	797.47	721.40	721.38	4.61	4.41	-17.83	-572.41	5,283.94	5,273.62	5,264.61	9.02	584.933		
900.00	895.62	821.74	821.63	4.96	4.71	-18.05	-568.52	5,285.47	5,256.53	5,246.89	9.65	544.928		
1,000.00	993.06	911.88	911.54	5.34	5.00	-18.32	-562.47	5,287.00	5,236.10	5,225.81	10.29	508.767		
1,100.00	1,089.64	998.08	997.31	5.75	5.30	-18.65	-554.08	5,288.89	5,212.66	5,201.70	10.97	475.381		
1,110.48	1,099.71	1,007.08	1,006.25	5.80	5.33	-18.69	-553.10	5,289.11	5,210.04	5,198.99	11.04	471.808		
1,200.00	1,185.67	1,091.83	1,090.36	6.20	5.64	-18.89	-542.89	5,291.26	5,187.49	5,175.79	11.70	443.374		
1,300.00	1,281.70	1,180.32	1,178.06	6.67	5.98	-19.11	-531.31	5,293.61	5,162.40	5,149.95	12.44	414.891		
1,400.00	1,377.72	1,354.90	1,351.09	7.16	6.69	-19.56	-508.39	5,296.90	5,136.61	5,123.04	13.56	378.756		
1,500.00	1,473.75	1,530.25	1,525.16	7.66	7.44	-20.00	-487.35	5,297.32	5,109.47	5,094.75	14.72	347.160		
1,600.00	1,569.77	1,611.77	1,606.16	8.17	7.79	-20.19	-478.22	5,296.89	5,081.80	5,066.30	15.51	327.735		
1,700.00	1,665.80	1,670.00	1,663.89	8.69	8.05	-20.35	-470.59	5,296.91	5,054.65	5,038.43	16.21	311.777		
1,800.00	1,761.82	1,720.65	1,714.04	9.22	8.28	-20.49	-463.51	5,297.35	5,028.33	5,011.43	16.90	297.497		
1,900.00	1,857.85	1,762.00	1,754.99	9.76	8.47	-20.60	-457.80	5,298.13	5,003.05	4,985.49	17.56	284.909		
2,000.00	1,953.87	1,818.39	1,810.77	10.30	8.73	-20.77	-449.70	5,299.72	4,978.72	4,960.42	18.30	272.123		
2,100.00	2,049.90	1,970.79	1,961.22	10.84	9.46	-21.23	-425.81	5,304.04	4,954.46	4,934.98	19.48	254.371		
2,200.00	2,145.92	2,017.08	2,006.97	11.39	9.68	-21.37	-418.86	5,305.25	4,930.11	4,909.92	20.19	244.234		
2,300.00	2,241.94	2,067.93	2,057.26	11.95	9.93	-21.52	-411.55	5,307.05	4,906.76	4,885.84	20.92	234.554		
2,400.00	2,337.97	2,130.00	2,118.65	12.50	10.23	-21.70	-402.80	5,309.78	4,884.31	4,862.61	21.71	225.003		
2,500.00	2,433.99	2,257.52	2,244.92	13.06	10.84	-22.07	-385.68	5,314.53	4,861.25	4,838.45	22.79	213.266		
2,600.00	2,530.02	2,315.00	2,301.83	13.63	11.11	-22.23	-378.08	5,317.26	4,839.26	4,815.69	23.57	205.323		
2,700.00	2,626.04	2,700.00	2,401.48	14.19	13.00	-22.53	-364.42	5,321.84	4,817.35	4,791.42	25.93	185.773		
2,800.00	2,722.07	2,466.27	2,451.49	14.76	11.86	-22.68	-357.18	5,324.10	4,795.72	4,770.41	25.30	189.530		
2,900.00	2,818.09	2,580.66	2,564.44	15.32	12.43	-23.04	-340.38	5,330.83	4,775.43	4,749.07	26.36	181.152		
3,000.00	2,914.12	2,721.99	2,704.21	15.89	13.13	-23.48	-320.40	5,337.11	4,753.73	4,726.19	27.54	172.583		
3,100.00	3,010.14	2,867.64	2,848.50	16.46	13.85	-23.91	-301.36	5,342.46	4,731.56	4,702.83	28.74	164.657		
3,200.00	3,106.17	3,040.23	3,020.44	17.03	14.63	-24.33	-287.20	5,346.73	4,708.53	4,678.56	29.97	157.092		
3,298.02	3,200.29	3,167.34	3,147.47	17.59	15.15	-24.56	-283.65	5,347.88	4,684.30	4,653.35	30.95	151.328		
3,300.00	3,202.19	3,169.51	3,149.63	17.60	15.16	-24.56	-283.65	5,347.90	4,683.81	4,652.84	30.97	151.225		
3,400.00	3,298.70	3,313.11	3,293.22	18.16	15.68	-24.53	-285.78	5,348.27	4,660.17	4,628.23	31.95	145.873		
3,500.00	3,396.07	3,433.34	3,413.43	18.68	16.11	-24.46	-287.87	5,347.50	4,638.70	4,605.87	32.84	141.263		
3,600.00	3,494.17	3,574.93	3,555.00	19.18	16.65	-24.44	-288.11	5,345.78	4,619.86	4,586.07	33.80	136.687		
3,700.00	3,592.88	3,630.55	3,610.62	19.64	16.87	-24.36	-287.99	5,344.95	4,603.91	4,569.40	34.50	133.430		
3,800.00	3,692.10	3,686.99	3,667.06	20.08	17.09	-24.30	-287.74	5,344.79	4,592.18	4,556.98	35.20	130.462		
3,900.00	3,791.69	3,838.70	3,818.76	20.49	17.69	-24.30	-287.08	5,344.06	4,583.51	4,547.33	36.18	126.687		
4,000.00	3,891.53	3,941.18	3,921.24	20.88	18.10	-24.29	-286.85	5,342.84	4,577.29	4,540.30	36.99	123.747		
4,108.50	4,000.00	4,042.39	4,022.44	21.27	18.50	89.38	-286.51	5,341.76	4,574.26	4,536.45	37.81	120.984		
4,200.00	4,091.50	4,128.35	4,108.40	21.58	18.84	89.38	-286.68	5,340.94	4,573.38	4,534.91	38.48	118.854		
4,300.00	4,191.50	4,206.07	4,186.11	21.92	19.14	89.38	-287.19	5,340.46	4,572.76	4,533.60	39.16	116.771		
4,400.00	4,291.50	4,292.69	4,272.73	22.27	19.47	89.39	-287.63	5,340.26	4,572.52	4,532.65	39.87	114.685		
4,426.64	4,318.14	4,315.10	4,295.14	22.36	19.56	89.39	-287.67	5,340.25	4,572.51	4,532.45	40.06	114.144		
4,500.00	4,391.50	4,376.00	4,356.04	22.62	19.80	89.39	-287.75	5,340.33	4,572.61	4,532.03	40.58	112.691		
4,600.00	4,491.50	4,474.50	4,454.54	22.97	20.18	89.39	-287.89	5,340.64	4,572.92	4,531.59	41.33	110.632		
4,700.00	4,591.50	4,572.42	4,552.46	23.33	20.57	89.39	-287.98	5,340.97	4,573.25	4,531.15	42.10	108.638		
4,800.00	4,691.50	4,626.22	4,606.26	23.69	20.79	89.39	-287.73	5,341.45	4,574.13	4,531.41	42.73	107.059		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,701.50	4,681.51	24.05	21.10	89.38	-286.68	5,342.78	4,575.87	4,532.44	43.43	105.360		
5,000.00	4,891.50	5,000.00	4,802.71	24.42	22.37	89.34	-283.44	5,344.69	4,577.47	4,532.40	45.07	101.572		
5,100.00	4,991.50	4,908.28	4,888.21	24.78	21.97	89.32	-281.69	5,345.83	4,578.86	4,533.81	45.06	101.621		
5,200.00	5,091.50	5,101.83	5,081.70	25.15	22.73	89.36	-285.51	5,347.12	4,579.42	4,533.30	46.13	99.280		
5,300.00	5,191.50	5,218.32	5,198.16	25.53	23.19	89.39	-287.85	5,346.58	4,578.93	4,531.98	46.95	97.524		
5,400.00	5,291.50	5,336.16	5,315.98	25.90	23.65	89.42	-290.20	5,345.67	4,578.15	4,530.37	47.79	95.806		
5,500.00	5,391.50	5,443.58	5,423.38	26.28	24.08	89.44	-291.70	5,344.42	4,576.97	4,528.37	48.59	94.187		
5,600.00	5,491.50	5,535.85	5,515.64	26.65	24.45	89.45	-292.72	5,343.39	4,575.84	4,526.48	49.36	92.700		
5,700.00	5,591.50	5,594.82	5,574.60	27.03	24.68	89.46	-293.62	5,343.01	4,575.21	4,525.19	50.03	91.457		
5,713.27	5,604.77	5,601.99	5,581.77	27.08	24.71	89.47	-293.77	5,343.01	4,575.21	4,525.09	50.11	91.300		
5,800.00	5,691.50	5,658.91	5,638.67	27.41	24.94	89.48	-295.21	5,343.28	4,575.56	4,524.86	50.70	90.243		
5,900.00	5,791.50	5,779.37	5,759.08	27.80	25.41	89.53	-298.69	5,343.97	4,576.14	4,524.58	51.56	88.757		
6,000.00	5,891.50	5,940.70	5,920.34	28.18	26.06	89.59	-303.40	5,343.30	4,575.72	4,523.17	52.54	87.085		
6,100.00	5,991.50	6,068.64	6,048.24	28.57	26.57	89.61	-305.42	5,341.29	4,574.09	4,520.66	53.43	85.608		
6,200.00	6,091.50	6,141.03	6,120.62	28.96	26.87	89.62	-306.40	5,340.21	4,572.60	4,518.45	54.15	84.439		
6,300.00	6,191.50	6,274.79	6,254.36	29.35	27.42	89.64	-307.61	5,338.54	4,571.44	4,516.37	55.07	83.015		
6,400.00	6,291.50	6,312.74	6,292.31	29.74	27.57	89.65	-308.06	5,338.20	4,570.35	4,514.67	55.68	82.077		
6,439.60	6,331.10	6,331.60	6,311.17	29.89	27.65	89.65	-308.25	5,338.15	4,570.24	4,514.30	55.94	81.702 CC		
6,500.00	6,391.50	6,363.48	6,343.04	30.13	27.78	89.65	-308.50	5,338.24	4,570.40	4,514.07	56.33	81.131 ES		
6,600.00	6,491.50	6,426.91	6,406.47	30.52	28.04	89.66	-308.85	5,338.85	4,571.36	4,514.33	57.02	80.167		
6,639.95	6,531.45	6,441.00	6,420.56	30.68	28.10	89.66	-308.90	5,339.06	4,571.98	4,514.73	57.26	79.849		
6,650.00	6,541.50	6,441.00	6,420.56	30.72	28.10	-178.49	-308.90	5,339.06	4,572.27	4,514.96	57.30	79.790		
6,700.00	6,591.41	6,441.00	6,420.56	30.90	28.10	-178.48	-308.90	5,339.06	4,576.36	4,518.84	57.51	79.569		
6,750.00	6,640.95	6,474.05	6,453.60	31.09	28.24	-178.46	-308.92	5,339.90	4,584.42	4,526.58	57.83	79.268		
6,800.00	6,689.82	6,486.63	6,466.16	31.29	28.29	-178.43	-308.87	5,340.40	4,596.87	4,538.81	58.06	79.171		
6,850.00	6,737.71	6,498.85	6,478.37	31.49	28.34	-178.39	-308.80	5,340.98	4,613.45	4,555.18	58.27	79.172		
6,900.00	6,784.33	6,530.00	6,509.46	31.70	28.47	-178.34	-308.51	5,342.88	4,634.17	4,575.63	58.54	79.165 SF		
6,950.00	6,829.39	6,530.00	6,509.46	31.92	28.47	-178.27	-308.51	5,342.88	4,658.43	4,599.77	58.66	79.412		
7,000.00	6,872.61	6,530.00	6,509.46	32.15	28.47	-178.17	-308.51	5,342.88	4,686.42	4,627.66	58.76	79.751		
7,050.00	6,913.73	6,530.00	6,509.46	32.41	28.47	-178.05	-308.51	5,342.88	4,717.90	4,659.06	58.85	80.175		
7,100.00	6,952.49	6,530.00	6,509.46	32.68	28.47	-177.90	-308.51	5,342.88	4,752.62	4,693.71	58.91	80.677		
7,150.00	6,988.66	6,530.00	6,509.46	32.98	28.47	-177.70	-308.51	5,342.88	4,790.29	4,731.34	58.96	81.251		
7,200.00	7,022.01	6,530.00	6,509.46	33.31	28.47	-177.44	-308.51	5,342.88	4,830.62	4,771.63	58.99	81.889		
7,250.00	7,052.33	6,530.00	6,509.46	33.67	28.47	-177.09	-308.51	5,342.88	4,873.28	4,814.27	59.01	82.584		
7,300.00	7,079.44	6,530.00	6,509.46	34.07	28.47	-176.59	-308.51	5,342.88	4,917.97	4,858.95	59.02	83.325		
7,350.00	7,103.17	6,530.00	6,509.46	34.51	28.47	-175.86	-308.51	5,342.88	4,964.35	4,905.33	59.03	84.106		
7,400.00	7,123.38	6,530.00	6,509.46	34.98	28.47	-174.65	-308.51	5,342.88	5,012.10	4,953.08	59.02	84.916		
7,450.00	7,139.94	6,530.00	6,509.46	35.50	28.47	-172.37	-308.51	5,342.88	5,060.89	5,001.87	59.02	85.748		
7,500.00	7,152.75	6,530.00	6,509.46	36.05	28.47	-166.52	-308.51	5,342.88	5,110.39	5,051.37	59.02	86.591		
7,550.00	7,161.73	6,530.00	6,509.46	36.64	28.47	-129.26	-308.51	5,342.88	5,160.27	5,101.26	59.02	87.436		
7,600.00	7,166.82	6,530.00	6,509.46	37.26	28.47	-21.23	-308.51	5,342.88	5,210.24	5,151.22	59.02	88.275		
7,649.14	7,168.00	6,530.00	6,509.46	37.89	28.47	-9.58	-308.51	5,342.88	5,259.12	5,200.08	59.03	89.086		
7,700.00	7,167.27	6,530.00	6,509.46	38.57	28.47	-9.58	-308.51	5,342.88	5,309.50	5,250.45	59.05	89.914		
7,800.00	7,165.83	6,530.00	6,509.46	40.04	28.47	-9.58	-308.51	5,342.88	5,408.60	5,349.51	59.09	91.537		
7,900.00	7,164.38	6,530.00	6,509.46	41.66	28.47	-9.58	-308.51	5,342.88	5,507.72	5,448.60	59.12	93.159		
8,000.00	7,162.94	6,530.00	6,509.46	43.40	28.47	-9.58	-308.51	5,342.88	5,606.87	5,547.72	59.16	94.779		
8,100.00	7,161.50	6,530.00	6,509.46	45.26	28.47	-9.58	-308.51	5,342.88	5,706.06	5,646.87	59.19	96.397		
8,200.00	7,160.05	6,530.00	6,509.46	47.21	28.47	-9.58	-308.51	5,342.88	5,805.27	5,746.04	59.23	98.014		
8,300.00	7,158.61	6,530.00	6,509.46	49.26	28.47	-9.58	-308.51	5,342.88	5,904.51	5,845.25	59.27	99.628		
8,400.00	7,157.17	6,530.00	6,509.46	51.38	28.47	-9.58	-308.51	5,342.88	6,003.78	5,944.47	59.30	101.240		
8,500.00	7,155.73	6,530.00	6,509.46	53.57	28.47	-9.58	-308.51	5,342.88	6,103.06	6,043.72	59.34	102.850		
8,600.00	7,154.28	6,530.00	6,509.46	55.82	28.47	-9.58	-308.51	5,342.88	6,202.37	6,143.00	59.38	104.458		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,700.00	7,152.84	6,530.00	6,509.46	58.12	28.47	-9.58	-308.51	5,342.88	6,301.71	6,242.29	59.41	106.063		
8,800.00	7,151.40	6,530.00	6,509.46	60.47	28.47	-9.58	-308.51	5,342.88	6,401.06	6,341.61	59.45	107.665		
8,900.00	7,149.95	6,530.00	6,509.46	62.86	28.47	-9.58	-308.51	5,342.88	6,500.44	6,440.94	59.49	109.265		
9,000.00	7,148.51	6,530.00	6,509.46	65.28	28.47	-9.58	-308.51	5,342.88	6,599.83	6,540.30	59.53	110.863		
9,100.00	7,147.07	6,530.00	6,509.46	67.74	28.47	-9.58	-308.51	5,342.88	6,699.24	6,639.67	59.57	112.457		
9,200.00	7,145.62	6,530.00	6,509.46	70.23	28.47	-9.58	-308.51	5,342.88	6,798.67	6,739.05	59.61	114.049		
9,300.00	7,144.18	6,530.00	6,509.46	72.74	28.47	-9.58	-308.51	5,342.88	6,898.11	6,838.46	59.65	115.637		
9,400.00	7,142.74	6,530.00	6,509.46	75.28	28.47	-9.58	-308.51	5,342.88	6,997.57	6,937.88	59.69	117.223		
9,500.00	7,141.29	6,530.00	6,509.46	77.84	28.47	-9.58	-308.51	5,342.88	7,097.05	7,037.31	59.74	118.805		
9,600.00	7,139.85	6,530.00	6,509.46	80.42	28.47	-9.58	-308.51	5,342.88	7,196.54	7,136.76	59.78	120.384		
9,700.00	7,138.41	6,530.00	6,509.46	83.01	28.47	-9.58	-308.51	5,342.88	7,296.04	7,236.22	59.82	121.960		
9,800.00	7,136.97	6,530.00	6,509.46	85.62	28.47	-9.58	-308.51	5,342.88	7,395.56	7,335.69	59.87	123.532		
9,900.00	7,135.52	6,530.00	6,509.46	88.25	28.47	-9.58	-308.51	5,342.88	7,495.09	7,435.18	59.91	125.101		
10,000.00	7,134.08	6,530.00	6,509.46	90.89	28.47	-9.58	-308.51	5,342.88	7,594.63	7,534.67	59.96	126.666		
10,100.00	7,132.64	6,530.00	6,509.46	93.54	28.47	-9.58	-308.51	5,342.88	7,694.19	7,634.18	60.00	128.228		
10,200.00	7,131.19	6,530.00	6,509.46	96.20	28.47	-9.58	-308.51	5,342.88	7,793.75	7,733.70	60.05	129.786		
10,300.00	7,129.75	6,530.00	6,509.46	98.87	28.47	-9.58	-308.51	5,342.88	7,893.33	7,833.23	60.10	131.340		
10,400.00	7,128.31	6,530.00	6,509.46	101.55	28.47	-9.58	-308.51	5,342.88	7,992.92	7,932.77	60.15	132.891		
10,500.00	7,126.86	6,530.00	6,509.46	104.24	28.47	-9.58	-308.51	5,342.88	8,092.51	8,032.32	60.20	134.437		
10,600.00	7,125.42	6,530.00	6,509.46	106.94	28.47	-9.58	-308.51	5,342.88	8,192.12	8,131.87	60.25	135.979		
10,700.00	7,123.98	6,530.00	6,509.46	109.64	28.47	-9.58	-308.51	5,342.88	8,291.74	8,231.44	60.30	137.518		
10,800.00	7,122.53	6,530.00	6,509.46	112.36	28.47	-9.58	-308.51	5,342.88	8,391.36	8,331.02	60.35	139.052		
10,900.00	7,121.09	6,530.00	6,509.46	115.08	28.47	-9.58	-308.51	5,342.88	8,491.00	8,430.60	60.40	140.582		
11,000.00	7,119.65	6,530.00	6,509.46	117.80	28.47	-9.58	-308.51	5,342.88	8,590.64	8,530.19	60.45	142.108		
11,100.00	7,118.20	6,530.00	6,509.46	120.53	28.47	-9.58	-308.51	5,342.88	8,690.29	8,629.79	60.50	143.629		
11,200.00	7,116.76	6,530.00	6,509.46	123.26	28.47	-9.58	-308.51	5,342.88	8,789.95	8,729.39	60.56	145.146		
11,300.00	7,115.32	6,530.00	6,509.46	126.00	28.47	-9.58	-308.51	5,342.88	8,889.62	8,829.00	60.61	146.659		
11,400.00	7,113.88	6,530.00	6,509.46	128.75	28.47	-9.58	-308.51	5,342.88	8,989.29	8,928.62	60.67	148.167		
11,500.00	7,112.43	6,530.00	6,509.46	131.50	28.47	-9.58	-308.51	5,342.88	9,088.97	9,028.25	60.73	149.671		
11,600.00	7,110.99	6,530.00	6,509.46	134.25	28.47	-9.58	-308.51	5,342.88	9,188.66	9,127.88	60.78	151.170		
11,700.00	7,109.55	6,530.00	6,509.46	137.01	28.47	-9.58	-308.51	5,342.88	9,288.36	9,227.52	60.84	152.664		
11,800.00	7,108.10	6,530.00	6,509.46	139.77	28.47	-9.58	-308.51	5,342.88	9,388.06	9,327.16	60.90	154.154		
11,900.00	7,106.66	6,530.00	6,509.46	142.53	28.47	-9.58	-308.51	5,342.88	9,487.77	9,426.81	60.96	155.639		
12,000.00	7,105.22	6,530.00	6,509.46	145.30	28.47	-9.58	-308.51	5,342.88	9,587.48	9,526.46	61.02	157.119		
12,100.00	7,103.77	6,530.00	6,509.46	148.06	28.47	-9.58	-308.51	5,342.88	9,687.20	9,626.12	61.08	158.594		
12,200.00	7,102.33	6,530.00	6,509.46	150.84	28.47	-9.58	-308.51	5,342.88	9,786.93	9,725.78	61.14	160.065		
12,300.00	7,100.89	6,530.00	6,509.46	153.61	28.47	-9.58	-308.51	5,342.88	9,886.66	9,825.45	61.21	161.530		
12,400.00	7,099.44	6,530.00	6,509.46	156.39	28.47	-9.58	-308.51	5,342.88	9,986.39	9,925.12	61.27	162.990		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	96.34	-583.05	5,245.54	5,277.89					
100.00	100.00	131.04	131.03	3.28	3.29	96.35	-583.36	5,244.83	5,277.45	5,270.87	6.58	802.311		
200.00	200.00	228.71	228.70	3.34	3.34	96.35	-583.67	5,243.64	5,276.28	5,269.60	6.68	790.422		
300.00	300.00	296.57	296.55	3.44	3.40	96.34	-583.01	5,243.22	5,275.57	5,268.72	6.85	770.290		
400.00	399.98	364.00	363.96	3.60	3.49	-17.34	-581.35	5,243.43	5,273.91	5,266.82	7.09	743.828		
500.00	499.84	432.11	432.00	3.79	3.61	-17.41	-578.42	5,244.19	5,269.53	5,262.13	7.40	712.298		
600.00	599.45	511.17	510.89	4.03	3.76	-17.53	-573.43	5,245.58	5,262.27	5,254.47	7.79	675.311		
700.00	698.70	611.85	611.27	4.30	4.00	-17.72	-565.86	5,247.74	5,251.97	5,243.66	8.31	632.385		
800.00	797.47	701.93	701.01	4.61	4.25	-17.94	-558.43	5,249.62	5,238.28	5,229.42	8.86	591.408		
900.00	895.62	789.96	788.65	4.96	4.52	-18.19	-550.38	5,251.82	5,221.64	5,212.19	9.46	552.071		
1,000.00	993.06	899.61	897.66	5.34	4.89	-18.54	-538.89	5,254.65	5,201.75	5,191.57	10.18	510.805		
1,100.00	1,089.64	1,005.78	1,003.04	5.75	5.28	-18.93	-526.21	5,257.23	5,178.42	5,167.47	10.95	472.897		
1,110.48	1,099.71	1,016.70	1,013.88	5.80	5.32	-18.98	-524.92	5,257.48	5,175.78	5,164.74	11.04	468.925		
1,200.00	1,185.67	1,144.12	1,140.30	6.20	5.83	-19.29	-509.24	5,260.04	5,152.88	5,140.99	11.88	433.592		
1,300.00	1,281.70	1,238.00	1,233.39	6.67	6.22	-19.53	-497.14	5,261.26	5,126.63	5,113.95	12.67	404.527		
1,400.00	1,377.72	1,316.14	1,310.86	7.16	6.55	-19.73	-487.03	5,262.70	5,100.96	5,087.54	13.42	380.044		
1,500.00	1,473.75	1,676.13	1,668.19	7.66	8.12	-20.63	-444.22	5,259.43	5,072.61	5,057.24	15.37	329.954		
1,600.00	1,569.77	1,768.40	1,759.93	8.17	8.52	-20.85	-435.02	5,256.16	5,042.29	5,026.09	16.20	311.191		
1,700.00	1,665.80	1,795.51	1,786.90	8.69	8.64	-20.91	-432.33	5,255.42	5,012.70	4,995.92	16.78	298.779		
1,800.00	1,761.82	1,853.00	1,844.13	9.22	8.89	-21.04	-426.91	5,254.75	4,984.51	4,967.03	17.49	285.050		
1,900.00	1,857.85	1,868.73	1,859.80	9.76	8.96	-21.08	-425.45	5,254.75	4,957.18	4,939.15	18.03	274.888		
2,000.00	1,953.87	1,938.42	1,929.10	10.30	9.28	-21.25	-418.21	5,255.00	4,930.79	4,911.97	18.81	262.075		
2,100.00	2,049.90	2,162.31	2,151.60	10.84	10.30	-21.82	-393.55	5,252.95	4,902.93	4,882.67	20.26	242.003		
2,200.00	2,145.92	2,193.86	2,182.93	11.39	10.45	-21.91	-389.86	5,252.54	4,875.06	4,854.16	20.90	233.259		
2,300.00	2,241.94	2,259.96	2,248.59	11.95	10.76	-22.08	-382.19	5,252.56	4,848.43	4,826.74	21.69	223.518		
2,400.00	2,337.97	2,416.63	2,404.32	12.50	11.48	-22.49	-365.18	5,251.03	4,820.98	4,798.11	22.87	210.808		
2,500.00	2,433.99	2,505.15	2,492.29	13.06	11.90	-22.73	-355.43	5,249.83	4,793.37	4,769.61	23.77	201.691		
2,600.00	2,530.02	2,552.74	2,539.59	13.63	12.12	-22.86	-350.23	5,249.46	4,766.36	4,741.87	24.50	194.583		
2,700.00	2,626.04	2,627.05	2,613.41	14.19	12.47	-23.07	-341.62	5,249.53	4,740.24	4,714.89	25.34	187.038		
2,800.00	2,722.07	2,760.45	2,745.84	14.76	13.11	-23.45	-325.67	5,249.06	4,713.83	4,687.38	26.45	178.206		
2,900.00	2,818.09	2,890.81	2,875.31	15.32	13.73	-23.82	-310.48	5,247.54	4,686.76	4,659.21	27.54	170.156		
3,000.00	2,914.12	2,983.33	2,967.27	15.89	14.17	-24.08	-300.50	5,245.97	4,659.31	4,630.84	28.48	163.620		
3,100.00	3,010.14	3,048.00	3,031.51	16.46	14.48	-24.27	-293.03	5,245.26	4,632.49	4,603.19	29.30	158.107		
3,200.00	3,106.17	3,144.40	3,127.27	17.03	14.94	-24.55	-282.04	5,244.49	4,606.08	4,575.82	30.26	152.223		
3,298.02	3,200.29	3,182.51	3,165.14	17.59	15.12	-24.66	-277.79	5,244.40	4,580.75	4,549.78	30.97	147.923		
3,300.00	3,202.19	3,183.37	3,166.00	17.60	15.13	-24.66	-277.70	5,244.40	4,580.25	4,549.27	30.98	147.836		
3,400.00	3,298.70	3,229.88	3,212.19	18.16	15.35	-24.60	-272.26	5,244.79	4,557.17	4,525.44	31.73	143.626		
3,500.00	3,396.07	3,364.20	3,345.72	18.68	15.99	-24.78	-257.77	5,245.92	4,537.28	4,504.46	32.83	138.220		
3,600.00	3,494.17	3,446.60	3,427.74	19.18	16.37	-24.82	-249.84	5,246.32	4,520.28	4,486.59	33.69	134.168		
3,700.00	3,592.88	3,529.24	3,509.94	19.64	16.76	-24.89	-241.45	5,247.27	4,507.07	4,472.53	34.55	130.463		
3,800.00	3,692.10	3,600.00	3,643.73	20.08	18.05	-25.07	-227.18	5,248.05	4,496.49	4,460.24	36.25	124.045		
3,900.00	3,791.69	3,716.61	3,696.28	20.49	17.65	-25.10	-221.89	5,248.35	4,489.26	4,452.95	36.31	123.631		
4,000.00	3,891.53	3,762.00	3,741.38	20.88	17.87	-25.16	-216.85	5,249.30	4,486.56	4,449.59	36.97	121.351		
4,011.02	3,902.54	3,762.00	3,741.38	20.92	17.87	-25.16	-216.85	5,249.30	4,486.53	4,449.51	37.02	121.193		
4,108.50	4,000.00	3,855.46	3,834.14	21.27	18.32	88.33	-205.68	5,251.97	4,488.14	4,450.30	37.85	118.578		
4,200.00	4,091.50	3,984.10	3,961.72	21.58	18.96	88.13	-189.56	5,254.98	4,490.65	4,451.85	38.79	115.755		
4,300.00	4,191.50	4,133.86	4,110.48	21.92	19.68	87.91	-172.56	5,257.20	4,492.57	4,452.71	39.85	112.725		
4,400.00	4,291.50	4,240.65	4,216.74	22.27	20.18	87.78	-161.91	5,257.97	4,493.66	4,452.94	40.72	110.356		
4,500.00	4,391.50	4,311.64	4,287.35	22.62	20.52	87.68	-154.67	5,258.69	4,495.10	4,453.65	41.45	108.457		
4,600.00	4,491.50	4,368.81	4,344.19	22.97	20.80	87.61	-148.55	5,259.74	4,497.38	4,455.26	42.12	106.783		
4,700.00	4,591.50	4,542.51	4,517.06	23.33	21.61	87.40	-132.03	5,262.56	4,499.50	4,456.24	43.26	104.011		
4,800.00	4,691.50	4,692.59	4,666.67	23.69	22.29	87.25	-120.14	5,262.69	4,499.88	4,455.60	44.29	101.612		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,767.87	4,741.74	24.05	22.64	87.18	-114.58	5,262.53	4,500.07	4,455.05	45.03	99.943		
5,000.00	4,891.50	4,832.00	4,805.63	24.42	22.93	87.11	-109.08	5,263.07	4,501.25	4,455.52	45.73	98.437		
5,100.00	4,991.50	4,931.28	4,904.47	24.78	23.40	86.99	-99.74	5,264.25	4,502.93	4,456.35	46.58	96.676		
5,200.00	5,091.50	5,246.92	5,219.48	25.15	24.76	86.78	-83.51	5,261.36	4,503.00	4,454.87	48.13	93.563		
5,300.00	5,191.50	5,329.00	5,301.52	25.53	25.08	86.77	-82.94	5,258.74	4,499.85	4,451.00	48.85	92.115		
5,400.00	5,291.50	5,425.03	5,397.51	25.90	25.44	86.77	-82.74	5,256.00	4,497.01	4,447.40	49.61	90.646		
5,500.00	5,391.50	5,502.90	5,475.35	26.28	25.74	86.76	-82.58	5,253.85	4,494.29	4,443.97	50.32	89.314		
5,600.00	5,491.50	5,575.04	5,547.47	26.65	26.01	86.77	-82.89	5,252.42	4,492.27	4,441.26	51.01	88.063		
5,700.00	5,591.50	5,665.15	5,637.57	27.03	26.35	86.77	-83.28	5,250.99	4,490.65	4,438.90	51.75	86.770		
5,800.00	5,691.50	5,780.00	5,752.41	27.41	26.79	86.77	-83.77	5,249.16	4,489.05	4,436.49	52.57	85.394		
5,900.00	5,791.50	5,905.57	5,877.94	27.80	27.27	86.78	-84.59	5,246.46	4,486.87	4,433.45	53.41	84.002		
6,000.00	5,891.50	5,995.29	5,967.63	28.18	27.60	86.80	-85.92	5,244.45	4,484.55	4,430.39	54.16	82.809		
6,100.00	5,991.50	6,035.26	6,007.59	28.57	27.76	86.80	-86.39	5,243.88	4,483.03	4,428.26	54.77	81.858		
6,157.78	6,049.28	6,059.38	6,031.71	28.79	27.85	86.80	-86.46	5,243.77	4,482.74	4,427.62	55.12	81.330 CC		
6,200.00	6,091.50	6,082.00	6,054.33	28.96	27.94	86.80	-86.37	5,243.81	4,482.81	4,427.42	55.39	80.934 ES		
6,300.00	6,191.50	6,121.51	6,093.83	29.35	28.10	86.80	-86.22	5,244.25	4,483.86	4,427.87	55.98	80.093		
6,400.00	6,291.50	6,171.00	6,143.31	29.74	28.29	86.80	-86.38	5,245.42	4,486.14	4,429.54	56.60	79.256		
6,500.00	6,391.50	6,260.00	6,232.28	30.13	28.63	86.81	-86.75	5,247.79	4,488.81	4,431.46	57.35	78.269		
6,600.00	6,491.50	6,260.00	6,232.28	30.52	28.63	86.81	-86.75	5,247.79	4,492.95	4,435.17	57.78	77.760		
6,639.95	6,531.45	6,260.00	6,232.28	30.68	28.63	86.81	-86.75	5,247.79	4,495.23	4,437.29	57.94	77.580		
6,650.00	6,541.50	6,260.00	6,232.28	30.72	28.63	178.66	-86.75	5,247.79	4,495.94	4,437.96	57.98	77.539		
6,700.00	6,591.41	6,260.00	6,232.28	30.90	28.63	178.65	-86.75	5,247.79	4,502.13	4,443.97	58.16	77.404		
6,750.00	6,640.95	6,260.00	6,232.28	31.09	28.63	178.62	-86.75	5,247.79	4,512.74	4,454.41	58.33	77.368 SF		
6,800.00	6,689.82	6,260.00	6,232.28	31.29	28.63	178.59	-86.75	5,247.79	4,527.65	4,469.17	58.47	77.430		
6,850.00	6,737.71	6,260.00	6,232.28	31.49	28.63	178.54	-86.75	5,247.79	4,546.74	4,488.14	58.60	77.590		
6,900.00	6,784.33	6,303.24	6,275.42	31.70	28.80	178.49	-86.96	5,250.60	4,567.81	4,508.92	58.90	77.557		
6,950.00	6,829.39	6,307.52	6,279.67	31.92	28.81	178.42	-87.00	5,251.07	4,594.29	4,535.29	59.01	77.860		
7,000.00	6,872.61	6,349.00	6,320.63	32.15	28.97	178.35	-87.49	5,257.52	4,625.86	4,566.59	59.27	78.049		
7,050.00	6,913.73	6,349.00	6,320.63	32.41	28.97	178.23	-87.49	5,257.52	4,658.94	4,599.62	59.33	78.528		
7,100.00	6,952.49	6,349.00	6,320.63	32.68	28.97	178.08	-87.49	5,257.52	4,695.13	4,635.76	59.37	79.078		
7,150.00	6,988.66	6,349.00	6,320.63	32.98	28.97	177.88	-87.49	5,257.52	4,734.13	4,674.73	59.40	79.694		
7,200.00	7,022.01	6,349.00	6,320.63	33.31	28.97	177.62	-87.49	5,257.52	4,775.64	4,716.22	59.42	80.367		
7,250.00	7,052.33	6,349.00	6,320.63	33.67	28.97	177.25	-87.49	5,257.52	4,819.34	4,759.91	59.43	81.090		
7,300.00	7,079.44	6,349.00	6,320.63	34.07	28.97	176.73	-87.49	5,257.52	4,864.90	4,805.46	59.43	81.853		
7,350.00	7,103.17	6,349.00	6,320.63	34.51	28.97	175.92	-87.49	5,257.52	4,911.99	4,852.56	59.43	82.648		
7,400.00	7,123.38	6,349.00	6,320.63	34.98	28.97	174.50	-87.49	5,257.52	4,960.30	4,900.87	59.43	83.467		
7,450.00	7,139.94	6,349.00	6,320.63	35.50	28.97	171.49	-87.49	5,257.52	5,009.47	4,950.05	59.42	84.300		
7,500.00	7,152.75	6,349.00	6,320.63	36.05	28.97	160.89	-87.49	5,257.52	5,059.21	4,999.78	59.42	85.138		
7,550.00	7,161.73	6,349.00	6,320.63	36.64	28.97	46.06	-87.49	5,257.52	5,109.17	5,049.75	59.43	85.972		
7,600.00	7,166.82	6,349.00	6,320.63	37.26	28.97	11.66	-87.49	5,257.52	5,159.06	5,099.62	59.44	86.794		
7,649.14	7,168.00	6,349.00	6,320.63	37.89	28.97	6.58	-87.49	5,257.52	5,207.73	5,148.27	59.46	87.583		
7,700.00	7,167.27	6,349.00	6,320.63	38.57	28.97	6.58	-87.49	5,257.52	5,257.83	5,198.34	59.49	88.385		
7,800.00	7,165.83	6,349.00	6,320.63	40.04	28.97	6.58	-87.49	5,257.52	5,356.36	5,296.82	59.54	89.957		
7,900.00	7,164.38	6,349.00	6,320.63	41.66	28.97	6.58	-87.49	5,257.52	5,454.95	5,395.36	59.60	91.529		
8,000.00	7,162.94	6,349.00	6,320.63	43.40	28.97	6.58	-87.49	5,257.52	5,553.60	5,493.94	59.65	93.099		
8,100.00	7,161.50	6,349.00	6,320.63	45.26	28.97	6.58	-87.49	5,257.52	5,652.28	5,592.58	59.71	94.668		
8,200.00	7,160.05	6,349.00	6,320.63	47.21	28.97	6.58	-87.49	5,257.52	5,751.02	5,691.26	59.76	96.235		
8,300.00	7,158.61	6,349.00	6,320.63	49.26	28.97	6.58	-87.49	5,257.52	5,849.79	5,789.98	59.81	97.801		
8,400.00	7,157.17	6,349.00	6,320.63	51.38	28.97	6.58	-87.49	5,257.52	5,948.61	5,888.75	59.87	99.365		
8,500.00	7,155.73	6,349.00	6,320.63	53.57	28.97	6.58	-87.49	5,257.52	6,047.47	5,987.55	59.92	100.927		
8,600.00	7,154.28	6,349.00	6,320.63	55.82	28.97	6.58	-87.49	5,257.52	6,146.36	6,086.39	59.97	102.487		
8,700.00	7,152.84	6,349.00	6,320.63	58.12	28.97	6.58	-87.49	5,257.52	6,245.29	6,185.27	60.02	104.046		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,800.00	7,151.40	6,349.00	6,320.63	60.47	28.97	6.58	-87.49	5,257.52	6,344.25	6,284.18	60.08	105.602		
8,900.00	7,149.95	6,349.00	6,320.63	62.86	28.97	6.58	-87.49	5,257.52	6,443.25	6,383.12	60.13	107.156		
9,000.00	7,148.51	6,349.00	6,320.63	65.28	28.97	6.58	-87.49	5,257.52	6,542.27	6,482.09	60.18	108.708		
9,100.00	7,147.07	6,349.00	6,320.63	67.74	28.97	6.58	-87.49	5,257.52	6,641.33	6,581.09	60.23	110.257		
9,200.00	7,145.62	6,349.00	6,320.63	70.23	28.97	6.58	-87.49	5,257.52	6,740.41	6,680.12	60.29	111.804		
9,300.00	7,144.18	6,349.00	6,320.63	72.74	28.97	6.58	-87.49	5,257.52	6,839.52	6,779.18	60.34	113.348		
9,400.00	7,142.74	6,349.00	6,320.63	75.28	28.97	6.58	-87.49	5,257.52	6,938.65	6,878.26	60.39	114.890		
9,500.00	7,141.29	6,349.00	6,320.63	77.84	28.97	6.58	-87.49	5,257.52	7,037.81	6,977.36	60.45	116.429		
9,600.00	7,139.85	6,349.00	6,320.63	80.42	28.97	6.58	-87.49	5,257.52	7,136.99	7,076.49	60.50	117.965		
9,700.00	7,138.41	6,307.89	6,280.03	83.01	28.82	6.34	-87.00	5,251.11	7,234.44	7,174.03	60.41	119.754		
9,800.00	7,136.97	6,307.04	6,279.19	85.62	28.81	6.34	-86.99	5,251.02	7,333.59	7,273.13	60.46	121.289		
9,900.00	7,135.52	6,306.21	6,278.36	88.25	28.81	6.33	-86.98	5,250.92	7,432.77	7,372.25	60.52	122.819		
10,000.00	7,134.08	6,305.40	6,277.56	90.89	28.81	6.33	-86.98	5,250.83	7,531.96	7,471.39	60.57	124.347		
10,100.00	7,132.64	6,304.61	6,276.78	93.54	28.80	6.32	-86.97	5,250.74	7,631.18	7,570.55	60.63	125.871		
10,200.00	7,131.19	6,303.84	6,276.01	96.20	28.80	6.32	-86.96	5,250.66	7,730.41	7,669.73	60.68	127.392		
10,300.00	7,129.75	6,303.08	6,275.26	98.87	28.80	6.31	-86.96	5,250.58	7,829.67	7,768.93	60.74	128.909		
10,400.00	7,128.31	6,302.35	6,274.53	101.55	28.79	6.31	-86.95	5,250.50	7,928.94	7,868.14	60.79	130.423		
10,500.00	7,126.86	6,301.63	6,273.82	104.24	28.79	6.31	-86.95	5,250.43	8,028.23	7,967.38	60.85	131.933		
10,600.00	7,125.42	6,260.00	6,232.28	106.94	28.63	6.06	-86.75	5,247.79	8,129.26	8,068.48	60.78	133.751		
10,700.00	7,123.98	6,260.00	6,232.28	109.64	28.63	6.06	-86.75	5,247.79	8,228.52	8,167.68	60.84	135.247		
10,800.00	7,122.53	6,260.00	6,232.28	112.36	28.63	6.06	-86.75	5,247.79	8,327.80	8,266.90	60.90	136.739		
10,900.00	7,121.09	6,260.00	6,232.28	115.08	28.63	6.06	-86.75	5,247.79	8,427.10	8,366.13	60.97	138.228		
11,000.00	7,119.65	6,260.00	6,232.28	117.80	28.63	6.06	-86.75	5,247.79	8,526.41	8,465.38	61.03	139.713		
11,100.00	7,118.20	6,260.00	6,232.28	120.53	28.63	6.06	-86.75	5,247.79	8,625.74	8,564.65	61.09	141.194		
11,200.00	7,116.76	6,260.00	6,232.28	123.26	28.63	6.06	-86.75	5,247.79	8,725.08	8,663.93	61.16	142.671		
11,300.00	7,115.32	6,260.00	6,232.28	126.00	28.63	6.06	-86.75	5,247.79	8,824.44	8,763.22	61.22	144.144		
11,400.00	7,113.88	6,260.00	6,232.28	128.75	28.63	6.06	-86.75	5,247.79	8,923.82	8,862.53	61.28	145.613		
11,500.00	7,112.43	6,260.00	6,232.28	131.50	28.63	6.06	-86.75	5,247.79	9,023.20	8,961.85	61.35	147.078		
11,600.00	7,110.99	6,260.00	6,232.28	134.25	28.63	6.06	-86.75	5,247.79	9,122.60	9,061.19	61.42	148.538		
11,700.00	7,109.55	6,260.00	6,232.28	137.01	28.63	6.06	-86.75	5,247.79	9,222.02	9,160.53	61.48	149.995		
11,800.00	7,108.10	6,260.00	6,232.28	139.77	28.63	6.06	-86.75	5,247.79	9,321.44	9,259.89	61.55	151.447		
11,900.00	7,106.66	6,260.00	6,232.28	142.53	28.63	6.06	-86.75	5,247.79	9,420.88	9,359.26	61.62	152.895		
12,000.00	7,105.22	6,260.00	6,232.28	145.30	28.63	6.06	-86.75	5,247.79	9,520.33	9,458.64	61.68	154.339		
12,100.00	7,103.77	6,260.00	6,232.28	148.06	28.63	6.06	-86.75	5,247.79	9,619.79	9,558.04	61.75	155.778		
12,200.00	7,102.33	6,260.00	6,232.28	150.84	28.63	6.06	-86.75	5,247.79	9,719.26	9,657.44	61.82	157.213		
12,300.00	7,100.89	6,260.00	6,232.28	153.61	28.63	6.06	-86.75	5,247.79	9,818.75	9,756.85	61.89	158.643		
12,400.00	7,099.44	6,260.00	6,232.28	156.39	28.63	6.06	-86.75	5,247.79	9,918.24	9,856.28	61.96	160.069		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-72.12	1,894.34	-5,871.03	6,169.08					
100.00	100.00	133.00	133.00	3.28	4.38	-72.12	1,894.34	-5,871.03	6,169.08	6,161.42	7.66	805.233		
200.00	200.00	233.00	233.00	3.34	7.18	-72.12	1,894.34	-5,871.03	6,169.08	6,158.56	10.52	586.504		
300.00	300.00	333.00	333.00	3.44	10.41	-72.12	1,894.34	-5,871.03	6,169.08	6,155.22	13.85	445.270		
400.00	399.98	432.98	432.98	3.60	13.77	174.23	1,894.34	-5,871.03	6,170.81	6,153.45	17.36	355.368		
500.00	499.84	532.84	532.84	3.79	17.17	174.22	1,894.34	-5,871.03	6,176.02	6,155.05	20.97	294.569		
600.00	599.45	632.45	632.45	4.03	20.60	174.21	1,894.34	-5,871.03	6,184.69	6,160.06	24.63	251.128		
700.00	698.70	731.70	731.70	4.30	24.02	174.20	1,894.34	-5,871.03	6,196.82	6,168.49	28.33	218.761		
800.00	797.47	830.47	830.47	4.61	27.44	174.18	1,894.34	-5,871.03	6,212.38	6,180.33	32.05	193.841		
900.00	895.62	928.62	928.62	4.96	30.85	174.16	1,894.34	-5,871.03	6,231.37	6,195.58	35.78	174.151		
1,000.00	993.06	1,026.06	1,026.06	5.34	34.23	174.14	1,894.34	-5,871.03	6,253.75	6,214.23	39.52	158.261		
1,100.00	1,089.64	1,122.64	1,122.64	5.75	37.59	174.11	1,894.34	-5,871.03	6,279.50	6,236.26	43.24	145.216		
1,110.48	1,099.71	1,132.71	1,132.71	5.80	37.94	174.10	1,894.34	-5,871.03	6,282.40	6,238.76	43.64	143.965		
1,200.00	1,185.67	1,218.67	1,218.67	6.20	40.93	174.13	1,894.34	-5,871.03	6,307.26	6,260.30	46.96	134.299		
1,300.00	1,281.70	1,314.70	1,314.70	6.67	44.27	174.15	1,894.34	-5,871.03	6,335.04	6,284.35	50.70	124.964		
1,400.00	1,377.72	1,410.72	1,410.72	7.16	47.62	174.18	1,894.34	-5,871.03	6,362.83	6,308.39	54.44	116.879		
1,500.00	1,473.75	1,506.75	1,506.75	7.66	50.96	174.20	1,894.34	-5,871.03	6,390.61	6,332.41	58.20	109.813		
1,600.00	1,569.77	1,602.77	1,602.77	8.17	54.31	174.23	1,894.34	-5,871.03	6,418.39	6,356.43	61.96	103.588		
1,700.00	1,665.80	1,701.20	1,698.80	8.69	57.74	174.25	1,894.34	-5,871.03	6,446.18	6,380.36	65.82	97.939		
1,800.00	1,761.82	1,805.18	1,794.82	9.22	61.36	174.28	1,894.34	-5,871.03	6,473.96	6,404.09	69.88	92.649		
1,900.00	1,857.85	1,909.15	1,890.85	9.76	64.99	174.30	1,894.34	-5,871.03	6,501.75	6,427.81	73.94	87.933		
2,000.00	1,953.87	1,986.87	1,986.87	10.30	67.70	174.33	1,894.34	-5,871.03	6,529.54	6,452.45	77.09	84.697		
2,100.00	2,049.90	2,082.90	2,082.90	10.84	71.04	174.35	1,894.34	-5,871.03	6,557.33	6,476.44	80.89	81.067		
2,200.00	2,145.92	2,178.92	2,178.92	11.39	74.39	174.37	1,894.34	-5,871.03	6,585.12	6,500.43	84.69	77.758		
2,300.00	2,241.94	2,274.94	2,274.94	11.95	77.74	174.40	1,894.34	-5,871.03	6,612.91	6,524.42	88.49	74.731		
2,400.00	2,337.97	2,370.97	2,370.97	12.50	81.09	174.42	1,894.34	-5,871.03	6,640.71	6,548.41	92.30	71.951		
2,500.00	2,433.99	2,466.99	2,466.99	13.06	84.44	174.45	1,894.34	-5,871.03	6,668.50	6,572.40	96.10	69.389		
2,600.00	2,530.02	2,563.02	2,563.02	13.63	87.79	174.47	1,894.34	-5,871.03	6,696.29	6,596.38	99.91	67.021		
2,700.00	2,626.04	2,659.04	2,659.04	14.19	91.14	174.49	1,894.34	-5,871.03	6,724.09	6,620.36	103.73	64.826		
2,800.00	2,722.07	2,755.07	2,755.07	14.76	94.49	174.51	1,894.34	-5,871.03	6,751.89	6,644.35	107.54	62.785		
2,900.00	2,818.09	2,851.09	2,851.09	15.32	97.84	174.54	1,894.34	-5,871.03	6,779.68	6,668.33	111.36	60.883		
3,000.00	2,914.12	2,947.12	2,947.12	15.89	101.19	174.56	1,894.34	-5,871.03	6,807.48	6,692.31	115.17	59.107		
3,100.00	3,010.14	3,043.14	3,043.14	16.46	104.54	174.58	1,894.34	-5,871.03	6,835.28	6,716.29	118.99	57.444		
3,200.00	3,106.17	3,139.17	3,139.17	17.03	107.89	174.60	1,894.34	-5,871.03	6,863.08	6,740.27	122.81	55.884		
3,298.02	3,200.29	3,233.29	3,233.29	17.59	111.18	174.62	1,894.34	-5,871.03	6,890.33	6,763.78	126.56	54.445		
3,300.00	3,202.19	3,235.19	3,235.19	17.60	111.24	174.63	1,894.34	-5,871.03	6,890.88	6,764.25	126.63	54.417		
3,400.00	3,298.70	3,331.70	3,331.70	18.16	114.61	174.70	1,894.34	-5,871.03	6,916.95	6,786.48	130.46	53.018		
3,500.00	3,396.07	3,429.07	3,429.07	18.68	118.01	174.76	1,894.34	-5,871.03	6,939.64	6,805.32	134.32	51.666		
3,600.00	3,494.17	3,527.17	3,527.17	19.18	121.43	174.81	1,894.34	-5,871.03	6,958.93	6,820.74	138.19	50.358		
3,700.00	3,592.88	3,625.88	3,625.88	19.64	124.88	174.85	1,894.34	-5,871.03	6,974.80	6,832.73	142.08	49.092		
3,800.00	3,692.10	3,725.10	3,725.10	20.08	128.34	174.88	1,894.34	-5,871.03	6,987.23	6,841.27	145.97	47.868		
3,900.00	3,791.69	3,824.69	3,824.69	20.49	131.82	174.90	1,894.34	-5,871.03	6,996.21	6,846.35	149.86	46.684		
4,000.00	3,891.53	3,924.53	3,924.53	20.88	135.30	174.92	1,894.34	-5,871.03	7,001.72	6,847.96	153.76	45.538		
4,108.50	4,000.00	4,033.00	4,033.00	21.27	139.09	-71.43	1,894.34	-5,871.03	7,003.76	6,845.81	157.96	44.340		
4,200.00	4,091.50	4,124.50	4,124.50	21.58	142.28	-71.43	1,894.34	-5,871.03	7,003.76	6,842.28	161.49	43.371		
4,300.00	4,191.50	4,224.50	4,224.50	21.92	145.77	-71.43	1,894.34	-5,871.03	7,003.76	6,838.42	165.35	42.358		
4,400.00	4,291.50	4,324.50	4,324.50	22.27	149.26	-71.43	1,894.34	-5,871.03	7,003.76	6,834.56	169.21	41.392		
4,500.00	4,391.50	4,424.50	4,424.50	22.62	152.75	-71.43	1,894.34	-5,871.03	7,003.76	6,830.69	173.07	40.467		
4,600.00	4,491.50	4,524.50	4,524.50	22.97	156.24	-71.43	1,894.34	-5,871.03	7,003.76	6,826.82	176.94	39.583		
4,700.00	4,591.50	4,624.50	4,624.50	23.33	159.73	-71.43	1,894.34	-5,871.03	7,003.76	6,822.95	180.81	38.736		
4,800.00	4,691.50	4,724.50	4,724.50	23.69	163.22	-71.43	1,894.34	-5,871.03	7,003.76	6,819.08	184.68	37.923		
4,900.00	4,791.50	4,824.50	4,824.50	24.05	166.71	-71.43	1,894.34	-5,871.03	7,003.76	6,815.21	188.56	37.144		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	4,924.50	4,924.50	24.42	170.20	-71.43	1,894.34	-5,871.03	7,003.76	6,811.33	192.43	36.396		
5,100.00	4,991.50	5,024.50	5,024.50	24.78	173.69	-71.43	1,894.34	-5,871.03	7,003.76	6,807.45	196.31	35.677		
5,200.00	5,091.50	5,124.50	5,124.50	25.15	177.18	-71.43	1,894.34	-5,871.03	7,003.76	6,803.57	200.19	34.985		
5,300.00	5,191.50	5,224.50	5,224.50	25.53	180.67	-71.43	1,894.34	-5,871.03	7,003.76	6,799.69	204.07	34.320		
5,400.00	5,291.50	5,324.50	5,324.50	25.90	184.16	-71.43	1,894.34	-5,871.03	7,003.76	6,795.81	207.96	33.679		
5,500.00	5,391.50	5,424.50	5,424.50	26.28	187.65	-71.43	1,894.34	-5,871.03	7,003.76	6,791.92	211.84	33.061		
5,600.00	5,491.50	5,524.50	5,524.50	26.65	191.14	-71.43	1,894.34	-5,871.03	7,003.76	6,788.04	215.73	32.466		
5,700.00	5,591.50	5,624.50	5,624.50	27.03	194.63	-71.43	1,894.34	-5,871.03	7,003.76	6,784.15	219.62	31.891		
5,800.00	5,691.50	5,724.50	5,724.50	27.41	198.12	-71.43	1,894.34	-5,871.03	7,003.76	6,780.26	223.51	31.336		
5,900.00	5,791.50	5,824.50	5,824.50	27.80	201.61	-71.43	1,894.34	-5,871.03	7,003.76	6,776.37	227.40	30.800		
6,000.00	5,891.50	5,924.50	5,924.50	28.18	205.11	-71.43	1,894.34	-5,871.03	7,003.76	6,772.47	231.29	30.281		
6,100.00	5,991.50	6,024.50	6,024.50	28.57	208.60	-71.43	1,894.34	-5,871.03	7,003.76	6,768.58	235.18	29.780		
6,200.00	6,091.50	6,124.50	6,124.50	28.96	212.09	-71.43	1,894.34	-5,871.03	7,003.76	6,764.69	239.08	29.295		
6,300.00	6,191.50	6,224.50	6,224.50	29.35	215.58	-71.43	1,894.34	-5,871.03	7,003.76	6,760.79	242.97	28.825		
6,400.00	6,291.50	6,324.50	6,324.50	29.74	219.07	-71.43	1,894.34	-5,871.03	7,003.76	6,756.90	246.87	28.370		
6,500.00	6,391.50	6,424.50	6,424.50	30.13	222.56	-71.43	1,894.34	-5,871.03	7,003.76	6,753.00	250.77	27.930		
6,600.00	6,491.50	6,524.50	6,524.50	30.52	226.05	-71.43	1,894.34	-5,871.03	7,003.76	6,749.10	254.66	27.502		
6,639.95	6,531.45	6,564.45	6,564.45	30.68	227.44	-71.43	1,894.34	-5,871.03	7,003.76	6,747.54	256.22	27.335		
6,650.00	6,541.50	6,574.50	6,574.50	30.72	227.79	20.43	1,894.34	-5,871.03	7,003.69	6,747.08	256.61	27.293		
6,700.00	6,591.41	6,624.41	6,624.41	30.90	229.54	20.52	1,894.34	-5,871.03	7,001.11	6,742.57	258.54	27.079		
6,750.00	6,640.95	6,673.95	6,673.95	31.09	231.27	20.73	1,894.34	-5,871.03	6,994.87	6,734.42	260.45	26.857		
6,800.00	6,689.82	6,722.82	6,722.82	31.29	232.97	21.09	1,894.34	-5,871.03	6,985.01	6,722.69	262.32	26.627		
6,850.00	6,737.71	6,770.71	6,770.71	31.49	234.64	21.59	1,894.34	-5,871.03	6,971.59	6,707.45	264.15	26.393		
6,900.00	6,784.33	6,817.33	6,817.33	31.70	236.27	22.25	1,894.34	-5,871.03	6,954.70	6,688.79	265.91	26.154		
6,950.00	6,829.39	6,862.39	6,862.39	31.92	237.84	23.08	1,894.34	-5,871.03	6,934.44	6,666.83	267.61	25.913		
7,000.00	6,872.61	6,905.61	6,905.61	32.15	239.35	24.12	1,894.34	-5,871.03	6,910.95	6,641.72	269.23	25.670		
7,050.00	6,913.73	6,946.73	6,946.73	32.41	240.79	25.40	1,894.34	-5,871.03	6,884.37	6,613.61	270.76	25.426		
7,100.00	6,952.49	6,985.49	6,985.49	32.68	242.14	26.97	1,894.34	-5,871.03	6,854.87	6,582.68	272.20	25.184		
7,150.00	6,988.66	7,021.66	7,021.66	32.98	243.40	28.87	1,894.34	-5,871.03	6,822.64	6,549.11	273.53	24.943		
7,200.00	7,022.01	7,055.01	7,055.01	33.31	244.57	31.20	1,894.34	-5,871.03	6,787.89	6,513.13	274.76	24.705		
7,250.00	7,052.33	7,085.33	7,085.33	33.67	245.63	34.04	1,894.34	-5,871.03	6,750.83	6,474.95	275.88	24.470		
7,300.00	7,079.44	7,112.44	7,112.44	34.07	246.57	37.53	1,894.34	-5,871.03	6,711.70	6,434.82	276.88	24.240		
7,350.00	7,103.17	7,136.17	7,136.17	34.51	247.40	41.83	1,894.34	-5,871.03	6,670.75	6,392.98	277.76	24.016		
7,400.00	7,123.38	7,156.38	7,156.38	34.98	248.11	47.14	1,894.34	-5,871.03	6,628.23	6,349.70	278.53	23.798		
7,450.00	7,139.94	7,172.94	7,172.94	35.50	248.68	53.67	1,894.34	-5,871.03	6,584.41	6,305.25	279.16	23.586		
7,500.00	7,152.75	7,185.75	7,185.75	36.05	249.13	61.58	1,894.34	-5,871.03	6,539.57	6,259.89	279.68	23.382		
7,550.00	7,161.73	7,205.27	7,194.73	36.64	249.81	70.88	1,894.34	-5,871.03	6,493.98	6,213.55	280.44	23.157		
7,600.00	7,166.82	7,200.18	7,199.82	37.26	249.63	81.30	1,894.34	-5,871.03	6,447.94	6,167.59	280.35	23.000		
7,649.14	7,168.00	7,201.00	7,201.00	37.89	249.66	92.00	1,894.34	-5,871.03	6,402.52	6,122.05	280.47	22.827		
7,700.00	7,167.27	7,200.27	7,200.27	38.57	249.64	91.98	1,894.34	-5,871.03	6,355.54	6,074.98	280.57	22.653		
7,800.00	7,165.83	7,201.17	7,198.83	40.04	249.67	91.95	1,894.34	-5,871.03	6,263.36	5,982.49	280.87	22.300		
7,900.00	7,164.38	7,202.62	7,197.38	41.66	249.72	91.92	1,894.34	-5,871.03	6,171.42	5,890.18	281.24	21.943		
8,000.00	7,162.94	7,204.06	7,195.94	43.40	249.77	91.88	1,894.34	-5,871.03	6,079.74	5,798.06	281.68	21.584		
8,100.00	7,161.50	7,205.50	7,194.50	45.26	249.82	91.85	1,894.34	-5,871.03	5,988.32	5,706.14	282.18	21.222		
8,200.00	7,160.05	7,206.95	7,193.05	47.21	249.87	91.82	1,894.34	-5,871.03	5,897.17	5,614.44	282.74	20.857		
8,300.00	7,158.61	7,208.39	7,191.61	49.26	249.92	91.78	1,894.34	-5,871.03	5,806.32	5,522.95	283.37	20.490		
8,400.00	7,157.17	7,209.83	7,190.17	51.38	249.97	91.75	1,894.34	-5,871.03	5,715.78	5,431.71	284.07	20.121		
8,500.00	7,155.73	7,188.73	7,188.73	53.57	249.23	91.71	1,894.34	-5,871.03	5,625.55	5,341.50	284.06	19.804		
8,600.00	7,154.28	7,187.28	7,187.28	55.82	249.18	91.68	1,894.34	-5,871.03	5,535.66	5,250.86	284.80	19.437		
8,700.00	7,152.84	7,185.84	7,185.84	58.12	249.13	91.65	1,894.34	-5,871.03	5,446.13	5,160.50	285.63	19.067		
8,800.00	7,151.40	7,184.40	7,184.40	60.47	249.08	91.61	1,894.34	-5,871.03	5,356.96	5,070.42	286.54	18.696		
8,900.00	7,149.95	7,182.95	7,182.95	62.86	249.03	91.58	1,894.34	-5,871.03	5,268.18	4,980.66	287.52	18.323		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	7,181.51	7,181.51	65.28	248.98	91.54	1,894.34	-5,871.03	5,179.81	4,891.22	288.59	17.948		
9,100.00	7,147.07	7,180.07	7,180.07	67.74	248.93	91.51	1,894.34	-5,871.03	5,091.87	4,802.12	289.75	17.573		
9,200.00	7,145.62	7,178.62	7,178.62	70.23	248.88	91.48	1,894.34	-5,871.03	5,004.38	4,713.38	291.00	17.197		
9,300.00	7,144.18	7,177.18	7,177.18	72.74	248.83	91.44	1,894.34	-5,871.03	4,917.37	4,625.04	292.33	16.821		
9,400.00	7,142.74	7,175.74	7,175.74	75.28	248.78	91.41	1,894.34	-5,871.03	4,830.86	4,537.10	293.76	16.445		
9,500.00	7,141.29	7,174.29	7,174.29	77.84	248.73	91.38	1,894.34	-5,871.03	4,744.88	4,449.60	295.28	16.069		
9,600.00	7,139.85	7,172.85	7,172.85	80.42	248.68	91.34	1,894.34	-5,871.03	4,659.46	4,362.56	296.90	15.694		
9,700.00	7,138.41	7,171.41	7,171.41	83.01	248.63	91.31	1,894.34	-5,871.03	4,574.63	4,276.01	298.62	15.319		
9,800.00	7,136.97	7,169.97	7,169.97	85.62	248.58	91.27	1,894.34	-5,871.03	4,490.43	4,189.99	300.44	14.946		
9,900.00	7,135.52	7,168.52	7,168.52	88.25	248.53	91.24	1,894.34	-5,871.03	4,406.88	4,104.52	302.36	14.575		
10,000.00	7,134.08	7,167.08	7,167.08	90.89	248.48	91.21	1,894.34	-5,871.03	4,324.03	4,019.65	304.39	14.206		
10,100.00	7,132.64	7,165.64	7,165.64	93.54	248.43	91.17	1,894.34	-5,871.03	4,241.93	3,935.40	306.52	13.839		
10,200.00	7,131.19	7,164.19	7,164.19	96.20	248.38	91.14	1,894.34	-5,871.03	4,160.60	3,851.83	308.77	13.475		
10,300.00	7,129.75	7,162.75	7,162.75	98.87	248.33	91.11	1,894.34	-5,871.03	4,080.10	3,768.98	311.12	13.114		
10,400.00	7,128.31	7,161.31	7,161.31	101.55	248.28	91.07	1,894.34	-5,871.03	4,000.49	3,686.89	313.60	12.757		
10,500.00	7,126.86	7,159.86	7,159.86	104.24	248.23	91.04	1,894.34	-5,871.03	3,921.80	3,605.61	316.19	12.403		
10,600.00	7,125.42	7,158.42	7,158.42	106.94	248.18	91.00	1,894.34	-5,871.03	3,844.11	3,525.21	318.90	12.054		
10,700.00	7,123.98	7,156.98	7,156.98	109.64	248.13	90.97	1,894.34	-5,871.03	3,767.47	3,445.73	321.74	11.710		
10,800.00	7,122.53	7,155.53	7,155.53	112.36	248.08	90.94	1,894.34	-5,871.03	3,691.94	3,367.25	324.69	11.371		
10,900.00	7,121.09	7,154.09	7,154.09	115.08	248.03	90.90	1,894.34	-5,871.03	3,617.60	3,289.82	327.78	11.037		
11,000.00	7,119.65	7,152.65	7,152.65	117.80	247.98	90.87	1,894.34	-5,871.03	3,544.53	3,213.53	330.99	10.709		
11,100.00	7,118.20	7,151.20	7,151.20	120.53	247.93	90.83	1,894.34	-5,871.03	3,472.79	3,138.46	334.34	10.387		
11,200.00	7,116.76	7,149.76	7,149.76	123.26	247.87	90.80	1,894.34	-5,871.03	3,402.49	3,064.68	337.81	10.072		
11,300.00	7,115.32	7,148.32	7,148.32	126.00	247.82	90.77	1,894.34	-5,871.03	3,333.70	2,992.29	341.41	9.764		
11,400.00	7,113.88	7,146.88	7,146.88	128.75	247.77	90.73	1,894.34	-5,871.03	3,266.52	2,921.38	345.14	9.464		
11,500.00	7,112.43	7,145.43	7,145.43	131.50	247.72	90.70	1,894.34	-5,871.03	3,201.05	2,852.06	349.00	9.172		
11,600.00	7,110.99	7,143.99	7,143.99	134.25	247.67	90.67	1,894.34	-5,871.03	3,137.41	2,784.43	352.97	8.888		
11,700.00	7,109.55	7,142.55	7,142.55	137.01	247.62	90.63	1,894.34	-5,871.03	3,075.70	2,718.63	357.07	8.614		
11,800.00	7,108.10	7,141.10	7,141.10	139.77	247.57	90.60	1,894.34	-5,871.03	3,016.04	2,654.76	361.28	8.348		
11,900.00	7,106.66	7,139.66	7,139.66	142.53	247.52	90.56	1,894.34	-5,871.03	2,958.56	2,592.97	365.59	8.092		
12,000.00	7,105.22	7,138.22	7,138.22	145.30	247.47	90.53	1,894.34	-5,871.03	2,903.39	2,533.39	370.00	7.847		
12,100.00	7,103.77	7,136.77	7,136.77	148.06	247.42	90.50	1,894.34	-5,871.03	2,850.66	2,476.17	374.49	7.612		
12,200.00	7,102.33	7,135.33	7,135.33	150.84	247.37	90.46	1,894.34	-5,871.03	2,800.51	2,421.46	379.04	7.388		
12,300.00	7,100.89	7,133.89	7,133.89	153.61	247.32	90.43	1,894.34	-5,871.03	2,753.07	2,369.42	383.65	7.176		
12,400.00	7,099.44	7,132.44	7,132.44	156.39	247.27	90.39	1,894.34	-5,871.03	2,708.50	2,320.22	388.28	6.976		
12,500.00	7,098.00	7,131.00	7,131.00	159.17	247.22	90.36	1,894.34	-5,871.03	2,666.93	2,274.01	392.93	6.787		
12,600.00	7,096.56	7,129.56	7,129.56	161.95	247.17	90.33	1,894.34	-5,871.03	2,628.51	2,230.96	397.55	6.612		
12,700.00	7,095.12	7,128.12	7,128.12	164.73	247.12	90.29	1,894.34	-5,871.03	2,593.38	2,191.25	402.13	6.449		
12,800.00	7,093.67	7,126.67	7,126.67	167.52	247.07	90.26	1,894.34	-5,871.03	2,561.68	2,155.03	406.65	6.300		
12,900.00	7,092.23	7,125.23	7,125.23	170.31	247.02	90.23	1,894.34	-5,871.03	2,533.52	2,122.47	411.05	6.163		
13,000.00	7,090.79	7,123.79	7,123.79	173.09	246.97	90.19	1,894.34	-5,871.03	2,509.04	2,093.71	415.33	6.041		
13,100.00	7,089.34	7,122.34	7,122.34	175.89	246.92	90.16	1,894.34	-5,871.03	2,488.33	2,068.89	419.44	5.933		
13,200.00	7,087.90	7,120.90	7,120.90	178.68	246.87	90.12	1,894.34	-5,871.03	2,471.50	2,048.15	423.36	5.838		
13,300.00	7,086.46	7,119.46	7,119.46	181.47	246.82	90.09	1,894.34	-5,871.03	2,458.63	2,031.58	427.05	5.757		
13,400.00	7,085.01	7,118.01	7,118.01	184.27	246.77	90.06	1,894.34	-5,871.03	2,449.77	2,019.28	430.49	5.691		
13,500.00	7,083.57	7,116.57	7,116.57	187.07	246.72	90.02	1,894.34	-5,871.03	2,444.97	2,011.32	433.66	5.638		
13,567.43	7,082.60	7,115.60	7,115.60	188.95	246.68	90.00	1,894.34	-5,871.03	2,444.04	2,008.42	435.63	5.610 CC		
13,600.00	7,082.13	7,115.13	7,115.13	189.86	246.67	89.99	1,894.34	-5,871.03	2,444.26	2,007.73	436.53	5.599 ES		
13,700.00	7,080.68	7,113.68	7,113.68	192.66	246.62	89.96	1,894.34	-5,871.03	2,447.64	2,008.54	439.09	5.574		
13,800.00	7,079.24	7,112.24	7,112.24	195.47	246.57	89.92	1,894.34	-5,871.03	2,455.08	2,013.75	441.33	5.563 SF		
13,900.00	7,077.80	7,110.80	7,110.80	198.27	246.51	89.89	1,894.34	-5,871.03	2,466.56	2,023.31	443.25	5.565		
14,000.00	7,076.36	7,109.36	7,109.36	201.07	246.46	89.85	1,894.34	-5,871.03	2,482.02	2,037.18	444.84	5.580		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
14,100.00	7,074.91	7,107.91	7,107.91	203.88	246.41	89.82	1,894.34	-5,871.03	2,501.38	2,055.28	446.10	5.607		
14,200.00	7,073.47	7,106.47	7,106.47	206.68	246.36	89.79	1,894.34	-5,871.03	2,524.56	2,077.51	447.05	5.647		
14,300.00	7,072.03	7,105.03	7,105.03	209.49	246.31	89.75	1,894.34	-5,871.03	2,551.45	2,103.75	447.70	5.699		
14,400.00	7,070.58	7,103.58	7,103.58	212.30	246.26	89.72	1,894.34	-5,871.03	2,581.93	2,133.87	448.06	5.762		
14,500.00	7,069.14	7,102.14	7,102.14	215.11	246.21	89.68	1,894.34	-5,871.03	2,615.89	2,167.74	448.15	5.837		
14,600.00	7,067.70	7,100.70	7,100.70	217.92	246.16	89.65	1,894.34	-5,871.03	2,653.17	2,205.18	447.99	5.922		
14,700.00	7,066.25	7,100.75	7,099.25	220.73	246.16	89.62	1,894.34	-5,871.03	2,693.66	2,246.01	447.65	6.017		
14,800.00	7,064.81	7,102.19	7,097.81	223.54	246.21	89.58	1,894.34	-5,871.03	2,737.20	2,290.05	447.15	6.121		
14,900.00	7,063.37	7,103.63	7,096.37	226.35	246.26	89.55	1,894.34	-5,871.03	2,783.65	2,337.18	446.47	6.235		
15,000.00	7,061.92	7,105.08	7,094.92	229.16	246.32	89.52	1,894.34	-5,871.03	2,832.88	2,387.25	445.62	6.357		
15,100.00	7,060.48	7,106.52	7,093.48	231.98	246.37	89.48	1,894.34	-5,871.03	2,884.72	2,440.09	444.63	6.488		
15,200.00	7,059.04	7,107.96	7,092.04	234.79	246.42	89.45	1,894.34	-5,871.03	2,939.06	2,495.55	443.52	6.627		
15,300.00	7,057.60	7,109.40	7,090.60	237.61	246.47	89.41	1,894.34	-5,871.03	2,995.75	2,553.46	442.29	6.773		
15,400.00	7,056.15	7,089.15	7,089.15	240.42	245.76	89.38	1,894.34	-5,871.03	3,054.66	2,614.44	440.23	6.939		
15,500.00	7,054.71	7,087.71	7,087.71	243.24	245.71	89.35	1,894.34	-5,871.03	3,115.67	2,676.93	438.74	7.101		
15,600.00	7,053.27	7,086.27	7,086.27	246.05	245.66	89.31	1,894.34	-5,871.03	3,178.65	2,741.45	437.20	7.270		
15,687.75	7,052.00	7,085.00	7,085.00	248.53	245.61	89.28	1,894.34	-5,871.03	3,235.46	2,799.65	435.81	7.424		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	15,755.60	7,060.91	3.28	285.39	-1.31	1,586.88	-36.37	7,282.02					
100.00	100.00	15,755.56	7,060.91	3.28	285.39	-1.31	1,586.88	-36.41	7,184.45	7,067.01	117.45	61.172		
200.00	200.00	15,755.52	7,060.91	3.34	285.39	-1.32	1,586.88	-36.45	7,086.96	6,969.14	117.82	60.153		
300.00	300.00	15,755.47	7,060.91	3.44	285.39	-1.32	1,586.88	-36.49	6,989.53	6,871.33	118.20	59.132		
400.00	399.98	15,756.66	7,060.91	3.60	285.43	-122.14	1,586.91	-35.30	6,892.37	6,773.73	118.64	58.095		
500.00	499.84	15,760.31	7,060.91	3.79	285.55	-128.15	1,587.00	-31.66	6,795.76	6,676.60	119.16	57.030		
600.00	599.45	15,766.39	7,060.91	4.03	285.75	-133.13	1,587.17	-25.57	6,699.83	6,580.06	119.77	55.940		
700.00	698.70	15,774.91	7,060.90	4.30	286.03	-137.25	1,587.40	-17.06	6,604.72	6,484.25	120.47	54.826		
800.00	797.47	15,785.84	7,060.90	4.61	286.39	-140.66	1,587.73	-6.13	6,510.58	6,389.32	121.26	53.689		
900.00	895.62	15,799.15	7,060.89	4.96	286.82	-143.49	1,588.15	7.17	6,417.55	6,295.39	122.16	52.533		
1,000.00	993.06	15,815.14	7,060.88	5.34	287.35	-145.86	1,588.70	23.14	6,325.78	6,202.61	123.17	51.357		
1,100.00	1,089.64	15,840.29	7,060.88	5.75	288.17	-147.72	1,589.57	48.29	6,235.40	6,111.00	124.40	50.125		
1,110.48	1,099.71	15,843.13	7,060.88	5.80	288.27	-147.90	1,589.66	51.12	6,226.01	6,101.48	124.53	49.998		
1,200.00	1,185.67	15,867.58	7,060.88	6.20	289.07	-147.48	1,590.43	75.56	6,145.98	6,020.25	125.73	48.882		
1,300.00	1,281.70	15,895.06	7,060.90	6.67	289.97	-147.01	1,591.21	103.03	6,056.80	5,929.66	127.14	47.638		
1,400.00	1,377.72	15,922.71	7,060.93	7.16	290.88	-146.53	1,591.92	130.67	5,967.83	5,839.22	128.62	46.400		
1,500.00	1,473.75	15,950.54	7,060.97	7.66	291.79	-146.04	1,592.55	158.49	5,879.11	5,748.94	130.16	45.167		
1,600.00	1,569.77	15,970.94	7,060.99	8.17	292.46	-145.68	1,593.07	178.89	5,790.65	5,658.98	131.67	43.978		
1,700.00	1,665.80	15,993.42	7,061.02	8.69	293.20	-145.28	1,593.68	201.36	5,702.46	5,569.18	133.28	42.784		
1,800.00	1,761.82	16,015.81	7,061.04	9.22	293.94	-144.88	1,594.34	223.73	5,614.58	5,479.60	134.98	41.597		
1,900.00	1,857.85	16,039.67	7,061.05	9.76	294.72	-144.44	1,595.11	247.59	5,527.00	5,390.23	136.77	40.410		
2,000.00	1,953.87	16,068.85	7,061.06	10.30	295.68	-143.91	1,596.02	276.75	5,439.73	5,300.98	138.74	39.207		
2,100.00	2,049.90	16,098.05	7,061.07	10.84	296.64	-143.37	1,596.89	305.93	5,352.76	5,211.96	140.80	38.016		
2,200.00	2,145.92	16,127.27	7,061.08	11.39	297.60	-142.82	1,597.70	335.14	5,266.12	5,123.17	142.95	36.839		
2,300.00	2,241.94	16,156.51	7,061.08	11.95	298.56	-142.27	1,598.45	364.38	5,179.81	5,034.62	145.19	35.675		
2,400.00	2,337.97	16,175.00	7,061.08	12.50	299.17	-141.92	1,598.92	382.86	5,093.88	4,946.52	147.35	34.569		
2,500.00	2,433.99	16,175.00	7,061.08	13.06	299.17	-141.92	1,598.92	382.86	5,008.43	4,859.14	149.29	33.549		
2,600.00	2,530.02	16,175.00	7,061.08	13.63	299.17	-141.92	1,598.92	382.86	4,923.53	4,772.22	151.31	32.539		
2,700.00	2,626.04	16,175.00	7,061.08	14.19	299.17	-141.92	1,598.92	382.86	4,839.21	4,685.79	153.42	31.542		
2,800.00	2,722.07	16,175.00	7,061.08	14.76	299.17	-141.92	1,598.92	382.86	4,755.50	4,599.87	155.63	30.557		
2,900.00	2,818.09	16,175.00	7,061.08	15.32	299.17	-141.92	1,598.92	382.86	4,672.42	4,514.50	157.92	29.587		
3,000.00	2,914.12	16,175.00	7,061.08	15.89	299.17	-141.92	1,598.92	382.86	4,590.02	4,429.71	160.32	28.631		
3,100.00	3,010.14	16,175.00	7,061.08	16.46	299.17	-141.92	1,598.92	382.86	4,508.33	4,345.53	162.81	27.691		
3,200.00	3,106.17	16,175.00	7,061.08	17.03	299.17	-141.92	1,598.92	382.86	4,427.40	4,262.00	165.40	26.768		
3,298.02	3,200.29	16,175.00	7,061.08	17.59	299.17	-141.92	1,598.92	382.86	4,348.84	4,180.80	168.03	25.881		
3,300.00	3,202.19	16,175.00	7,061.08	17.60	299.17	-141.89	1,598.92	382.86	4,347.26	4,179.17	168.09	25.863		
3,400.00	3,298.70	16,175.00	7,061.08	18.16	299.17	-140.20	1,598.92	382.86	4,267.09	4,096.23	170.86	24.974		
3,500.00	3,396.07	16,175.00	7,061.08	18.68	299.17	-138.41	1,598.92	382.86	4,186.16	4,012.47	173.70	24.101		
3,600.00	3,494.17	16,175.00	7,061.08	19.18	299.17	-136.50	1,598.92	382.86	4,104.52	3,927.94	176.58	23.244		
3,700.00	3,592.88	16,175.00	7,061.08	19.64	299.17	-134.47	1,598.92	382.86	4,022.23	3,842.70	179.53	22.404		
3,800.00	3,692.10	16,175.00	7,061.08	20.08	299.17	-132.31	1,598.92	382.86	3,939.35	3,756.82	182.54	21.581		
3,900.00	3,791.69	16,175.00	7,061.08	20.49	299.17	-130.04	1,598.92	382.86	3,855.95	3,670.35	185.60	20.775		
4,000.00	3,891.53	16,175.00	7,061.08	20.88	299.17	-127.64	1,598.92	382.86	3,772.10	3,583.36	188.74	19.986		
4,108.50	4,000.00	16,175.00	7,061.08	21.27	299.17	-11.26	1,598.92	382.86	3,680.70	3,488.48	192.22	19.149		
4,200.00	4,091.50	16,175.00	7,061.08	21.58	299.17	-11.26	1,598.92	382.86	3,603.79	3,408.55	195.24	18.459		
4,300.00	4,191.50	16,175.00	7,061.08	21.92	299.17	-11.26	1,598.92	382.86	3,520.54	3,321.87	198.67	17.720		
4,400.00	4,291.50	16,175.00	7,061.08	22.27	299.17	-11.26	1,598.92	382.86	3,438.18	3,235.92	202.26	16.999		
4,500.00	4,391.50	16,175.00	7,061.08	22.62	299.17	-11.26	1,598.92	382.86	3,356.78	3,150.78	206.00	16.295		
4,600.00	4,491.50	16,175.00	7,061.08	22.97	299.17	-11.26	1,598.92	382.86	3,276.41	3,066.51	209.89	15.610		
4,700.00	4,591.50	16,175.00	7,061.08	23.33	299.17	-11.26	1,598.92	382.86	3,197.14	2,983.19	213.95	14.943		
4,800.00	4,691.50	16,175.00	7,061.08	23.69	299.17	-11.26	1,598.92	382.86	3,119.07	2,900.90	218.17	14.296		
4,900.00	4,791.50	16,175.00	7,061.08	24.05	299.17	-11.26	1,598.92	382.86	3,042.28	2,819.73	222.56	13.670		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	16,175.00	7,061.08	24.42	299.17	-11.26	1,598.92	382.86	2,966.88	2,739.77	227.11	13.064		
5,100.00	4,991.50	16,175.00	7,061.08	24.78	299.17	-11.26	1,598.92	382.86	2,892.97	2,661.15	231.82	12.479		
5,200.00	5,091.50	16,175.00	7,061.08	25.15	299.17	-11.26	1,598.92	382.86	2,820.67	2,583.97	236.69	11.917		
5,300.00	5,191.50	16,175.00	7,061.08	25.53	299.17	-11.26	1,598.92	382.86	2,750.10	2,508.38	241.72	11.377		
5,400.00	5,291.50	16,175.00	7,061.08	25.90	299.17	-11.26	1,598.92	382.86	2,681.40	2,434.52	246.88	10.861		
5,500.00	5,391.50	16,175.00	7,061.08	26.28	299.17	-11.26	1,598.92	382.86	2,614.73	2,362.55	252.17	10.369		
5,600.00	5,491.50	16,175.00	7,061.08	26.65	299.17	-11.26	1,598.92	382.86	2,550.23	2,292.66	257.58	9.901		
5,700.00	5,591.50	16,175.00	7,061.08	27.03	299.17	-11.26	1,598.92	382.86	2,488.09	2,225.02	263.07	9.458		
5,800.00	5,691.50	16,175.00	7,061.08	27.41	299.17	-11.26	1,598.92	382.86	2,428.47	2,159.85	268.62	9.041		
5,900.00	5,791.50	16,175.00	7,061.08	27.80	299.17	-11.26	1,598.92	382.86	2,371.57	2,097.38	274.19	8.649		
6,000.00	5,891.50	16,175.00	7,061.08	28.18	299.17	-11.26	1,598.92	382.86	2,317.59	2,037.85	279.74	8.285		
6,100.00	5,991.50	16,175.00	7,061.08	28.57	299.17	-11.26	1,598.92	382.86	2,266.74	1,981.51	285.23	7.947		
6,200.00	6,091.50	16,175.00	7,061.08	28.96	299.17	-11.26	1,598.92	382.86	2,219.23	1,928.64	290.60	7.637		
6,300.00	6,191.50	16,175.00	7,061.08	29.35	299.17	-11.26	1,598.92	382.86	2,175.29	1,879.51	295.78	7.354		
6,400.00	6,291.50	16,175.00	7,061.08	29.74	299.17	-11.26	1,598.92	382.86	2,135.13	1,834.41	300.71	7.100		
6,500.00	6,391.50	16,175.00	7,061.08	30.13	299.17	-11.26	1,598.92	382.86	2,098.96	1,793.64	305.32	6.875		
6,600.00	6,491.50	16,175.00	7,061.08	30.52	299.17	-11.26	1,598.92	382.86	2,067.01	1,757.48	309.53	6.678		
6,639.95	6,531.45	16,175.00	7,061.08	30.68	299.17	-11.26	1,598.92	382.86	2,055.47	1,744.38	311.09	6.607		
6,650.00	6,541.50	16,175.00	7,061.08	30.72	299.17	80.86	1,598.92	382.86	2,052.66	1,741.19	311.47	6.590		
6,700.00	6,591.41	16,175.00	7,061.08	30.90	299.17	82.12	1,598.92	382.86	2,039.04	1,725.69	313.35	6.507		
6,750.00	6,640.95	16,175.00	7,061.08	31.09	299.17	83.32	1,598.92	382.86	2,026.04	1,710.82	315.23	6.427		
6,800.00	6,689.82	16,175.00	7,061.08	31.29	299.17	84.45	1,598.92	382.86	2,013.75	1,696.68	317.07	6.351		
6,850.00	6,737.71	16,175.00	7,061.08	31.49	299.17	85.51	1,598.92	382.86	2,002.27	1,683.38	318.88	6.279		
6,900.00	6,784.33	16,175.00	7,061.08	31.70	299.17	86.48	1,598.92	382.86	1,991.67	1,671.02	320.65	6.211		
6,950.00	6,829.39	16,175.00	7,061.08	31.92	299.17	87.37	1,598.92	382.86	1,982.04	1,659.69	322.35	6.149		
7,000.00	6,872.61	16,175.00	7,061.08	32.15	299.17	88.15	1,598.92	382.86	1,973.44	1,649.46	323.98	6.091		
7,050.00	6,913.73	16,175.00	7,061.08	32.41	299.17	88.83	1,598.92	382.86	1,965.96	1,640.42	325.54	6.039		
7,100.00	6,952.49	16,175.00	7,061.08	32.68	299.17	89.40	1,598.92	382.86	1,959.65	1,632.64	327.01	5.993		
7,150.00	6,988.66	16,175.00	7,061.08	32.98	299.17	89.87	1,598.92	382.86	1,954.55	1,626.17	328.38	5.952		
7,200.00	7,022.01	16,175.00	7,061.08	33.31	299.17	90.21	1,598.92	382.86	1,950.71	1,621.06	329.65	5.917		
7,250.00	7,052.33	16,175.00	7,061.08	33.67	299.17	90.44	1,598.92	382.86	1,948.16	1,617.35	330.82	5.889		
7,300.00	7,079.44	16,175.00	7,061.08	34.07	299.17	90.55	1,598.92	382.86	1,946.93	1,615.06	331.87	5.867		
7,321.85	7,090.24	16,175.00	7,061.08	34.26	299.17	90.56	1,598.92	382.86	1,946.80	1,614.50	332.30	5.859 SF		
7,350.00	7,103.17	16,155.10	7,061.08	34.51	298.52	90.29	1,598.42	362.96	1,946.90	1,614.98	331.92	5.866		
7,400.00	7,123.38	16,102.86	7,061.07	34.98	296.80	89.64	1,597.02	310.74	1,947.22	1,616.71	330.52	5.891		
7,450.00	7,139.94	16,048.97	7,061.06	35.50	295.03	89.08	1,595.40	256.88	1,947.54	1,618.45	329.08	5.918		
7,500.00	7,152.75	16,004.80	7,061.03	36.05	293.58	88.72	1,594.01	212.73	1,947.84	1,619.67	328.16	5.936		
7,550.00	7,161.73	15,964.42	7,060.99	36.64	292.25	88.46	1,592.90	172.37	1,948.31	1,620.83	327.48	5.949		
7,600.00	7,166.82	15,915.23	7,060.92	37.26	290.63	88.27	1,591.74	123.19	1,948.89	1,622.44	326.45	5.970		
7,649.14	7,168.00	15,853.03	7,060.88	37.89	288.59	88.20	1,589.98	61.02	1,949.13	1,624.26	324.86	6.000		
7,700.00	7,167.27	15,799.17	7,060.89	38.57	286.82	88.23	1,588.15	7.18	1,949.02	1,625.27	323.75	6.020		
7,709.40	7,167.13	15,792.21	7,060.89	38.71	286.59	88.23	1,587.93	0.23	1,949.01	1,625.31	323.70	6.021		
7,800.00	7,165.83	15,727.26	7,060.93	40.04	284.46	88.26	1,586.23	-64.70	1,949.56	1,626.31	323.25	6.031		
7,900.00	7,164.38	15,617.03	7,060.99	41.66	280.84	88.31	1,583.86	-174.90	1,950.58	1,629.44	321.14	6.074		
8,000.00	7,162.94	15,513.69	7,061.04	43.40	277.45	88.35	1,581.35	-278.22	1,951.35	1,631.88	319.47	6.108		
8,100.00	7,161.50	15,399.96	7,060.94	45.26	273.72	88.40	1,577.99	-391.89	1,951.59	1,634.16	317.43	6.148		
8,165.94	7,160.55	15,335.60	7,060.93	46.55	271.61	88.43	1,575.81	-456.21	1,951.46	1,634.82	316.64	6.163		
8,200.00	7,160.05	15,313.30	7,060.89	47.21	270.87	88.43	1,575.16	-478.50	1,951.56	1,634.83	316.73	6.162		
8,300.00	7,158.61	15,254.00	7,060.53	49.26	268.93	88.45	1,574.09	-537.79	1,953.06	1,635.77	317.29	6.155		
8,400.00	7,157.17	15,194.20	7,060.19	51.38	266.96	88.47	1,574.25	-597.59	1,956.63	1,638.86	317.77	6.157		
8,500.00	7,155.73	14,943.54	7,054.09	53.57	258.76	88.39	1,567.30	-847.92	1,956.49	1,646.60	309.89	6.313		
8,600.00	7,154.28	14,846.27	7,050.67	55.82	255.59	88.33	1,561.12	-944.94	1,953.43	1,644.43	308.99	6.322		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,152.84	14,764.62	7,047.85	58.12	252.94	88.28	1,556.54	-1,026.40	1,951.10	1,642.18	308.92	6.316		
8,800.00	7,151.40	14,679.02	7,045.71	60.47	250.15	88.25	1,552.48	-1,111.88	1,949.61	1,640.93	308.68	6.316		
8,900.00	7,149.95	14,588.68	7,043.82	62.86	247.20	88.24	1,548.74	-1,202.12	1,948.73	1,640.48	308.25	6.322		
9,000.00	7,148.51	14,487.40	7,043.22	65.28	243.90	88.26	1,544.98	-1,303.33	1,948.23	1,640.88	307.34	6.339		
9,100.00	7,147.07	14,347.93	7,043.78	67.74	239.36	88.34	1,537.95	-1,442.62	1,946.30	1,641.68	304.62	6.389		
9,200.00	7,145.62	14,211.91	7,044.14	70.23	234.96	88.40	1,528.72	-1,578.32	1,942.71	1,640.71	302.00	6.433		
9,300.00	7,144.18	14,090.54	7,044.31	72.74	231.05	88.45	1,518.36	-1,699.25	1,937.31	1,637.19	300.12	6.455		
9,400.00	7,142.74	13,993.90	7,044.47	75.28	227.95	88.49	1,509.84	-1,795.51	1,931.68	1,632.08	299.59	6.448		
9,500.00	7,141.29	13,909.90	7,044.64	77.84	225.25	88.53	1,502.72	-1,879.21	1,926.42	1,626.66	299.76	6.426		
9,600.00	7,139.85	13,834.60	7,044.83	80.42	222.83	88.57	1,497.31	-1,954.31	1,922.40	1,622.01	300.38	6.400		
9,700.00	7,138.41	13,759.00	7,045.08	83.01	220.38	88.60	1,492.60	-2,029.77	1,919.41	1,618.45	300.96	6.378		
9,800.00	7,136.97	13,685.05	7,045.35	85.62	217.99	88.64	1,488.95	-2,103.63	1,917.74	1,616.15	301.59	6.359		
9,880.58	7,135.80	13,619.81	7,045.59	87.74	215.87	88.68	1,486.69	-2,168.82	1,917.50	1,615.69	301.81	6.353		
9,900.00	7,135.52	13,602.65	7,045.68	88.25	215.31	88.69	1,486.16	-2,185.97	1,917.51	1,615.72	301.79	6.354		
10,000.00	7,134.08	13,529.84	7,046.07	90.89	212.94	88.73	1,484.30	-2,258.76	1,918.20	1,615.79	302.41	6.343		
10,100.00	7,132.64	13,445.03	7,046.20	93.54	210.18	88.77	1,483.63	-2,343.57	1,920.53	1,618.07	302.46	6.350		
10,200.00	7,131.19	13,349.23	7,046.27	96.20	207.06	88.82	1,482.34	-2,439.36	1,922.41	1,620.37	302.04	6.365		
10,300.00	7,129.75	13,286.79	7,046.42	98.87	205.02	88.85	1,482.59	-2,501.79	1,925.97	1,622.97	303.00	6.356		
10,400.00	7,128.31	13,197.78	7,046.62	101.55	202.11	88.90	1,484.01	-2,590.79	1,930.76	1,627.92	302.84	6.375		
10,500.00	7,126.86	12,973.34	7,047.27	104.24	194.81	89.02	1,481.42	-2,815.17	1,933.07	1,636.22	296.85	6.512		
10,600.00	7,125.42	12,860.65	7,047.43	106.94	191.19	89.07	1,475.35	-2,927.70	1,930.83	1,635.15	295.68	6.530		
10,700.00	7,123.98	12,766.45	7,047.46	109.64	188.16	89.11	1,470.68	-3,021.79	1,929.07	1,633.64	295.43	6.530		
10,800.00	7,122.53	12,620.47	7,047.56	112.36	183.49	89.17	1,461.91	-3,167.50	1,926.33	1,633.74	292.59	6.584		
10,900.00	7,121.09	12,510.03	7,047.68	115.08	179.98	89.22	1,453.77	-3,277.63	1,922.18	1,630.65	291.53	6.593		
11,000.00	7,119.65	12,380.79	7,047.95	117.80	175.89	89.28	1,442.35	-3,406.36	1,916.49	1,627.03	289.46	6.621		
11,100.00	7,118.20	12,323.85	7,047.98	120.53	174.09	89.31	1,437.34	-3,463.08	1,911.12	1,619.85	291.26	6.561		
11,200.00	7,116.76	12,265.00	7,047.41	123.26	172.22	89.31	1,434.32	-3,521.85	1,908.81	1,615.97	292.84	6.518		
11,234.55	7,116.26	12,265.00	7,047.41	124.21	172.22	89.31	1,434.32	-3,521.85	1,908.50	1,614.18	294.32	6.484		
11,300.00	7,115.32	12,224.97	7,046.69	126.00	170.93	89.31	1,433.32	-3,561.86	1,908.97	1,613.82	295.15	6.468		
11,400.00	7,113.88	12,095.39	7,043.48	128.75	166.77	89.27	1,431.31	-3,691.38	1,910.99	1,617.71	293.28	6.516		
11,500.00	7,112.43	11,928.03	7,039.44	131.50	161.46	89.22	1,421.47	-3,858.39	1,907.90	1,618.42	289.48	6.591		
11,600.00	7,110.99	11,849.70	7,037.88	134.25	158.99	89.21	1,416.26	-3,936.53	1,904.54	1,614.43	290.11	6.565		
11,700.00	7,109.55	11,797.00	7,037.44	137.01	157.32	89.21	1,413.56	-3,989.16	1,902.89	1,610.96	291.93	6.518		
11,734.51	7,109.05	11,764.75	7,037.32	137.96	156.30	89.22	1,412.33	-4,021.39	1,902.70	1,610.82	291.87	6.519		
11,800.00	7,108.10	11,726.39	7,037.13	139.77	155.08	89.24	1,411.37	-4,059.73	1,903.16	1,610.36	292.80	6.500		
11,900.00	7,106.66	11,647.25	7,036.70	142.53	152.55	89.26	1,410.60	-4,138.87	1,905.35	1,612.11	293.24	6.497		
12,000.00	7,105.22	11,556.68	7,036.51	145.30	149.66	89.29	1,410.17	-4,229.43	1,908.09	1,614.91	293.18	6.508		
12,100.00	7,103.77	11,429.27	7,036.53	148.06	145.60	89.35	1,409.47	-4,356.85	1,910.86	1,619.30	291.56	6.554		
12,200.00	7,102.33	11,329.48	7,036.71	150.84	142.44	89.40	1,407.78	-4,456.61	1,912.38	1,621.25	291.13	6.569		
12,300.00	7,100.89	11,243.31	7,036.49	153.61	139.71	89.43	1,406.68	-4,542.78	1,914.33	1,623.04	291.29	6.572		
12,400.00	7,099.44	11,157.58	7,035.43	156.39	137.00	89.44	1,406.21	-4,628.50	1,917.01	1,625.56	291.45	6.577		
12,500.00	7,098.00	11,016.34	7,033.09	159.17	132.55	89.43	1,404.47	-4,769.71	1,919.02	1,629.77	289.25	6.634		
12,600.00	7,096.56	10,910.27	7,031.41	161.95	129.24	89.42	1,401.75	-4,875.73	1,919.68	1,631.11	288.57	6.652		
12,700.00	7,095.12	10,821.24	7,030.08	164.73	126.46	89.42	1,399.52	-4,964.72	1,920.42	1,631.77	288.65	6.653		
12,800.00	7,093.67	10,465.83	7,022.49	167.52	115.78	89.34	1,369.81	-5,318.30	1,916.17	1,641.22	274.95	6.969		
12,900.00	7,092.23	10,396.00	7,021.68	170.31	113.76	89.35	1,360.06	-5,387.44	1,905.24	1,628.83	276.41	6.893		
13,000.00	7,090.79	10,329.50	7,021.20	173.09	111.83	89.36	1,351.87	-5,453.43	1,895.93	1,617.91	278.02	6.819		
13,100.00	7,089.34	10,268.44	7,020.89	175.89	110.06	89.37	1,344.93	-5,514.09	1,887.89	1,608.03	279.86	6.746		
13,200.00	7,087.90	10,211.00	7,021.27	178.68	108.38	89.41	1,340.03	-5,571.32	1,882.41	1,600.61	281.80	6.680		
13,300.00	7,086.46	10,147.34	7,022.17	181.47	106.50	89.46	1,335.92	-5,634.85	1,879.03	1,595.71	283.32	6.632		
13,400.00	7,085.01	10,060.36	7,023.65	184.27	103.95	89.55	1,331.29	-5,721.68	1,876.88	1,593.22	283.66	6.617		
13,500.00	7,083.57	9,984.75	7,025.13	187.07	101.73	89.63	1,327.68	-5,797.20	1,875.38	1,590.86	284.53	6.591		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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-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		
13,533.30	7,083.09	9,963.55	7,025.54	188.00	101.11	89.65	1,326.93	-5,818.37	1,875.27	1,590.29	284.98	6.580		
13,600.00	7,082.13	9,932.00	7,026.16	189.86	100.19	89.68	1,326.07	-5,849.91	1,875.75	1,589.42	286.33	6.551		
13,700.00	7,080.68	9,864.58	7,027.46	192.66	98.20	89.75	1,325.45	-5,917.31	1,878.19	1,590.79	287.40	6.535		
13,800.00	7,079.24	9,803.62	7,028.64	195.47	96.40	89.81	1,326.36	-5,978.25	1,882.88	1,594.25	288.63	6.524		
13,900.00	7,077.80	9,738.68	7,029.84	198.27	94.48	89.88	1,328.59	-6,043.14	1,889.51	1,599.91	289.60	6.525		
14,000.00	7,076.36	9,658.50	7,030.67	201.07	92.12	89.94	1,332.45	-6,123.23	1,897.55	1,607.56	289.99	6.543		
14,100.00	7,074.91	9,587.89	7,030.80	203.88	90.04	89.97	1,336.72	-6,193.70	1,906.84	1,616.19	290.65	6.561		
14,200.00	7,073.47	9,472.58	7,030.91	206.68	86.68	90.03	1,344.66	-6,308.74	1,917.02	1,627.08	289.94	6.612		
14,300.00	7,072.03	9,309.68	7,030.82	209.49	82.09	90.09	1,351.41	-6,471.49	1,924.24	1,636.54	287.70	6.688		
14,400.00	7,070.58	9,222.55	7,029.94	212.30	79.69	90.10	1,353.78	-6,558.59	1,930.23	1,642.25	287.97	6.703		
14,500.00	7,069.14	9,099.94	7,029.02	215.11	76.40	90.13	1,358.07	-6,681.12	1,937.12	1,650.03	287.09	6.747		
14,600.00	7,067.70	8,855.78	7,026.64	217.92	70.39	90.16	1,355.12	-6,925.19	1,939.56	1,657.92	281.64	6.887		
14,700.00	7,066.25	8,709.58	7,025.55	220.73	67.25	90.19	1,344.91	-7,071.02	1,935.54	1,655.73	279.81	6.917		
14,800.00	7,064.81	8,629.28	7,025.79	223.54	65.67	90.23	1,339.05	-7,151.11	1,931.52	1,650.69	280.83	6.878		
14,900.00	7,063.37	8,451.20	7,027.41	226.35	62.63	90.36	1,323.29	-7,328.47	1,925.71	1,647.83	277.88	6.930		
15,000.00	7,061.92	8,337.72	7,028.37	229.16	61.05	90.44	1,310.70	-7,441.25	1,917.83	1,640.06	277.77	6.904		
15,100.00	7,060.48	8,243.24	7,029.20	231.98	59.94	90.51	1,300.10	-7,535.12	1,909.85	1,631.26	278.58	6.856		
15,200.00	7,059.04	8,160.59	7,029.89	234.79	59.11	90.57	1,291.31	-7,617.30	1,902.45	1,622.49	279.96	6.795		
15,300.00	7,057.60	8,083.08	7,030.51	237.61	58.42	90.62	1,283.84	-7,694.45	1,896.07	1,614.47	281.59	6.733		
15,400.00	7,056.15	7,943.17	7,031.19	240.42	57.45	90.71	1,270.24	-7,833.69	1,889.73	1,608.54	281.19	6.720		
15,500.00	7,054.71	7,823.89	7,029.44	243.24	56.89	90.71	1,256.34	-7,952.14	1,881.28	1,599.47	281.81	6.676		
15,600.00	7,053.27	7,774.00	7,026.59	246.05	56.72	90.64	1,250.22	-8,001.57	1,872.92	1,588.27	284.66	6.580		
15,687.75	7,052.00	7,724.25	7,021.92	248.53	56.53	90.52	1,245.31	-8,050.84	1,867.56	1,580.63	286.93	6.509 CC, ES		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-71.24	2,746.21	-8,086.73	8,819.26					
100.00	100.00	2,286.81	2,204.39	3.28	15.07	-71.32	2,731.10	-8,079.69	8,794.48	8,777.59	16.90	520.499		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.40	2,717.84	-8,074.11	8,770.45	8,753.24	17.21	509.680		
300.00	300.00	2,362.20	2,275.03	3.44	15.70	-71.46	2,706.71	-8,069.75	8,747.09	8,729.56	17.53	499.048		
400.00	399.98	2,418.00	2,327.31	3.60	16.16	174.83	2,688.40	-8,063.05	8,726.06	8,708.02	18.04	483.641		
500.00	499.84	2,466.33	2,372.60	3.79	16.56	174.77	2,672.43	-8,057.54	8,708.98	8,690.43	18.55	469.529		
600.00	599.45	2,686.00	2,578.52	4.03	18.39	174.41	2,600.51	-8,031.55	8,695.57	8,675.23	20.35	427.389		
700.00	698.70	2,723.32	2,613.52	4.30	18.71	174.37	2,588.48	-8,026.79	8,684.67	8,663.81	20.86	416.278		
800.00	797.47	2,775.00	2,662.03	4.61	19.14	174.29	2,571.75	-8,020.68	8,677.99	8,656.47	21.52	403.186		
900.00	895.62	2,801.36	2,686.78	4.96	19.36	174.25	2,563.16	-8,017.76	8,675.44	8,653.40	22.04	393.624		
910.69	906.07	2,806.09	2,691.22	5.00	19.40	174.25	2,561.61	-8,017.25	8,675.42	8,653.31	22.11	392.369		
1,000.00	993.06	2,865.00	2,746.50	5.34	19.89	174.14	2,542.15	-8,011.25	8,677.12	8,654.25	22.86	379.558		
1,100.00	1,089.64	2,920.38	2,798.44	5.75	20.35	174.03	2,523.69	-8,005.89	8,682.73	8,659.07	23.65	367.072		
1,110.48	1,099.71	2,930.77	2,808.18	5.80	20.44	174.01	2,520.23	-8,004.88	8,683.53	8,659.76	23.77	365.250		
1,200.00	1,185.67	3,024.35	2,895.95	6.20	21.22	173.85	2,489.08	-7,995.77	8,690.55	8,665.72	24.83	349.992		
1,300.00	1,281.70	3,110.86	2,977.10	6.67	21.94	173.71	2,460.28	-7,987.33	8,698.45	8,672.56	25.89	335.917		
1,400.00	1,377.72	3,283.55	3,139.06	7.16	23.40	173.41	2,402.95	-7,969.97	8,706.27	8,678.65	27.62	315.232		
1,500.00	1,473.75	3,355.87	3,206.89	7.66	24.01	173.29	2,379.08	-7,962.22	8,713.57	8,684.97	28.60	304.623		
1,600.00	1,569.77	3,990.87	3,802.36	8.17	29.41	172.33	2,178.69	-7,873.12	8,718.73	8,685.12	33.61	259.409		
1,700.00	1,665.80	4,028.00	3,837.19	8.69	29.73	172.29	2,167.61	-7,866.56	8,720.71	8,686.36	34.35	253.906		
1,800.00	1,761.82	4,059.65	3,866.90	9.22	30.00	172.24	2,158.09	-7,861.23	8,723.45	8,688.39	35.06	248.842		
1,900.00	1,857.85	4,086.06	3,891.70	9.76	30.22	172.21	2,150.03	-7,857.07	8,727.04	8,691.31	35.73	244.219		
2,000.00	1,953.87	4,117.00	3,920.77	10.30	30.49	172.16	2,140.47	-7,852.51	8,731.49	8,695.04	36.45	239.560		
2,100.00	2,049.90	4,158.18	3,959.46	10.84	30.84	172.10	2,127.53	-7,846.82	8,736.69	8,699.45	37.25	234.566		
2,200.00	2,145.92	4,208.00	4,006.19	11.39	31.26	172.02	2,111.56	-7,840.30	8,742.49	8,704.38	38.11	229.396		
2,300.00	2,241.94	4,318.76	4,110.02	11.95	32.22	171.85	2,075.71	-7,826.16	8,748.55	8,709.11	39.44	221.827		
2,400.00	2,337.97	4,470.95	4,252.69	12.50	33.53	171.61	2,026.69	-7,806.04	8,754.33	8,713.25	41.08	213.126		
2,500.00	2,433.99	4,773.82	4,536.66	13.06	36.14	171.18	1,932.59	-7,758.89	8,757.44	8,713.67	43.76	200.107		
2,600.00	2,530.02	4,833.00	4,592.12	13.63	36.65	171.09	1,914.27	-7,749.37	8,760.95	8,716.24	44.71	195.950		
2,700.00	2,626.04	4,893.24	4,648.56	14.19	37.17	171.01	1,895.39	-7,740.03	8,764.94	8,719.27	45.67	191.909		
2,800.00	2,722.07	4,974.94	4,725.08	14.76	37.88	170.89	1,869.60	-7,727.62	8,769.25	8,722.46	46.79	187.400		
2,900.00	2,818.09	5,042.05	4,787.95	15.32	38.47	170.79	1,848.38	-7,717.54	8,773.80	8,725.99	47.81	183.498		
3,000.00	2,914.12	5,102.00	4,844.14	15.89	38.98	170.70	1,829.37	-7,708.89	8,778.88	8,730.10	48.78	179.955		
3,100.00	3,010.14	5,153.47	4,892.41	16.46	39.43	170.62	1,813.02	-7,701.73	8,784.48	8,734.79	49.69	176.775		
3,200.00	3,106.17	5,215.57	4,950.69	17.03	39.96	170.53	1,793.28	-7,693.32	8,790.54	8,739.86	50.68	173.445		
3,298.02	3,200.29	5,281.00	5,012.16	17.59	40.52	170.43	1,772.58	-7,684.70	8,796.91	8,745.22	51.69	170.199		
3,300.00	3,202.19	5,281.00	5,012.16	17.60	40.52	170.43	1,772.58	-7,684.70	8,797.04	8,745.34	51.70	170.167		
3,400.00	3,298.70	5,348.14	5,075.24	18.16	41.09	170.35	1,751.24	-7,676.12	8,802.15	8,749.43	52.72	166.956		
3,500.00	3,396.07	5,411.09	5,134.33	18.68	41.63	170.25	1,730.99	-7,668.37	8,804.22	8,750.51	53.71	163.931		
3,600.00	3,494.17	5,475.05	5,194.41	19.18	42.18	170.14	1,710.41	-7,660.77	8,803.31	8,748.62	54.69	160.968		
3,700.00	3,592.88	5,572.82	5,286.38	19.64	43.01	169.97	1,679.26	-7,649.28	8,799.28	8,743.36	55.92	157.359		
3,800.00	3,692.10	5,639.00	5,348.59	20.08	43.57	169.83	1,658.16	-7,641.31	8,791.71	8,734.81	56.89	154.532		
3,900.00	3,791.69	5,697.95	5,403.99	20.49	44.07	169.69	1,639.18	-7,634.49	8,781.18	8,723.38	57.80	151.918		
4,000.00	3,891.53	6,001.45	5,688.89	20.88	46.66	169.07	1,540.86	-7,599.01	8,767.88	8,707.29	60.60	144.690		
4,108.50	4,000.00	6,036.75	5,722.05	21.27	46.96	-77.42	1,529.67	-7,594.40	8,747.58	8,686.25	61.33	142.641		
4,200.00	4,091.50	6,086.00	5,768.33	21.58	47.38	-77.51	1,513.94	-7,588.39	8,729.47	8,667.40	62.07	140.639		
4,300.00	4,191.50	6,309.36	5,977.96	21.92	49.30	-77.94	1,442.65	-7,559.11	8,708.91	8,644.73	64.18	135.691		
4,400.00	4,291.50	6,355.00	6,020.78	22.27	49.70	-78.03	1,428.06	-7,553.11	8,688.38	8,623.44	64.94	133.786		
4,500.00	4,391.50	6,355.00	6,020.78	22.62	49.70	-78.03	1,428.06	-7,553.11	8,668.56	8,603.20	65.36	132.634		
4,600.00	4,491.50	6,392.75	6,056.20	22.97	50.02	-78.10	1,415.80	-7,548.65	8,649.56	8,583.50	66.07	130.921		
4,700.00	4,591.50	6,445.00	6,105.23	23.33	50.47	-78.21	1,398.57	-7,543.21	8,631.54	8,564.64	66.89	129.033		
4,800.00	4,691.50	6,445.00	6,105.23	23.69	50.47	-78.21	1,398.57	-7,543.21	8,614.09	8,546.78	67.30	127.986		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	6,484.73	6,142.56	24.05	50.80	-78.29	1,385.45	-7,539.53	8,597.53	8,529.50	68.03	126.374		
5,000.00	4,891.50	6,534.00	6,188.96	24.42	51.21	-78.39	1,369.46	-7,535.30	8,581.72	8,512.89	68.84	124.665		
5,100.00	4,991.50	6,534.00	6,188.96	24.78	51.21	-78.39	1,369.46	-7,535.30	8,566.70	8,497.45	69.24	123.720		
5,200.00	5,091.50	6,534.00	6,188.96	25.15	51.21	-78.39	1,369.46	-7,535.30	8,552.81	8,483.17	69.64	122.812		
5,300.00	5,191.50	6,534.00	6,188.96	25.53	51.21	-78.39	1,369.46	-7,535.30	8,540.08	8,470.04	70.03	121.941		
5,400.00	5,291.50	6,576.95	6,229.52	25.90	51.55	-78.48	1,355.58	-7,532.56	8,527.62	8,456.84	70.78	120.479		
5,500.00	5,391.50	6,624.00	6,273.97	26.28	51.92	-78.58	1,340.24	-7,531.38	8,517.25	8,445.69	71.56	119.019		
5,600.00	5,491.50	6,624.00	6,273.97	26.65	51.92	-78.58	1,340.24	-7,531.38	8,506.99	8,435.04	71.94	118.244		
5,700.00	5,591.50	6,624.00	6,273.97	27.03	51.92	-78.58	1,340.24	-7,531.38	8,497.89	8,425.57	72.32	117.504		
5,800.00	5,691.50	6,624.00	6,273.97	27.41	51.92	-78.58	1,340.24	-7,531.38	8,489.96	8,417.27	72.69	116.800		
5,900.00	5,791.50	6,624.00	6,273.97	27.80	51.92	-78.58	1,340.24	-7,531.38	8,483.20	8,410.15	73.05	116.130		
6,000.00	5,891.50	6,624.00	6,273.97	28.18	51.92	-78.58	1,340.24	-7,531.38	8,477.62	8,404.22	73.40	115.496		
6,100.00	5,991.50	6,624.00	6,273.97	28.57	51.92	-78.58	1,340.24	-7,531.38	8,473.21	8,399.47	73.75	114.895		
6,200.00	6,091.50	6,624.00	6,273.97	28.96	51.92	-78.58	1,340.24	-7,531.38	8,469.98	8,395.90	74.08	114.329		
6,300.00	6,191.50	6,624.00	6,273.97	29.35	51.92	-78.58	1,340.24	-7,531.38	8,467.94	8,393.52	74.41	113.797		
6,400.00	6,291.50	6,668.01	6,315.55	29.74	52.23	-78.68	1,325.85	-7,532.55	8,465.60	8,390.47	75.13	112.677		
6,460.03	6,351.53	6,672.42	6,319.70	29.97	52.26	-78.69	1,324.42	-7,532.82	8,465.34	8,389.97	75.36	112.329		
6,500.00	6,391.50	6,714.00	6,358.83	30.13	52.54	-78.78	1,310.93	-7,536.71	8,466.51	8,390.65	75.87	111.598		
6,508.33	6,399.83	6,714.00	6,358.83	30.16	52.54	-78.78	1,310.93	-7,536.71	8,466.51	8,390.62	75.89	111.559		
6,600.00	6,491.50	6,714.00	6,358.83	30.52	52.54	-78.78	1,310.93	-7,536.71	8,467.01	8,390.83	76.18	111.149		
6,639.95	6,531.45	6,714.00	6,358.83	30.68	52.54	-78.78	1,310.93	-7,536.71	8,467.53	8,391.23	76.30	110.979		
6,650.00	6,541.50	6,714.00	6,358.83	30.72	52.54	13.07	1,310.93	-7,536.71	8,467.62	8,391.29	76.33	110.937		
6,700.00	6,591.41	6,714.00	6,358.83	30.90	52.54	13.10	1,310.93	-7,536.71	8,465.92	8,389.46	76.46	110.723		
6,750.00	6,640.95	6,714.00	6,358.83	31.09	52.54	13.21	1,310.93	-7,536.71	8,460.70	8,384.12	76.58	110.484		
6,800.00	6,689.82	6,714.00	6,358.83	31.29	52.54	13.39	1,310.93	-7,536.71	8,451.99	8,375.31	76.68	110.223		
6,850.00	6,737.71	6,714.00	6,358.83	31.49	52.54	13.66	1,310.93	-7,536.71	8,439.83	8,363.06	76.77	109.941		
6,900.00	6,784.33	6,714.00	6,358.83	31.70	52.54	14.01	1,310.93	-7,536.71	8,424.27	8,347.44	76.84	109.641		
6,950.00	6,829.39	6,714.00	6,358.83	31.92	52.54	14.46	1,310.93	-7,536.71	8,405.41	8,328.52	76.89	109.322		
7,000.00	6,872.61	6,714.00	6,358.83	32.15	52.54	15.03	1,310.93	-7,536.71	8,383.32	8,306.40	76.92	108.985		
7,050.00	6,913.73	6,714.00	6,358.83	32.41	52.54	15.72	1,310.93	-7,536.71	8,358.12	8,281.18	76.94	108.629		
7,100.00	6,952.49	6,714.00	6,358.83	32.68	52.54	16.58	1,310.93	-7,536.71	8,329.95	8,253.00	76.95	108.255		
7,150.00	6,988.66	6,714.00	6,358.83	32.98	52.54	17.63	1,310.93	-7,536.71	8,298.93	8,221.99	76.94	107.862		
7,200.00	7,022.01	6,714.00	6,358.83	33.31	52.54	18.91	1,310.93	-7,536.71	8,265.24	8,188.32	76.92	107.449		
7,250.00	7,052.33	6,714.00	6,358.83	33.67	52.54	20.51	1,310.93	-7,536.71	8,229.06	8,152.16	76.90	107.016		
7,300.00	7,079.44	6,714.00	6,358.83	34.07	52.54	22.50	1,310.93	-7,536.71	8,190.56	8,113.70	76.86	106.561		
7,350.00	7,103.17	6,714.00	6,358.83	34.51	52.54	25.02	1,310.93	-7,536.71	8,149.96	8,073.14	76.83	106.085		
7,400.00	7,123.38	6,714.00	6,358.83	34.98	52.54	28.27	1,310.93	-7,536.71	8,107.48	8,030.70	76.79	105.585		
7,450.00	7,139.94	6,714.00	6,358.83	35.50	52.54	32.55	1,310.93	-7,536.71	8,063.36	7,986.61	76.75	105.063		
7,500.00	7,152.75	6,714.00	6,358.83	36.05	52.54	38.30	1,310.93	-7,536.71	8,017.83	7,941.12	76.71	104.517		
7,550.00	7,161.73	6,714.00	6,358.83	36.64	52.54	46.16	1,310.93	-7,536.71	7,971.17	7,894.48	76.69	103.947		
7,600.00	7,166.82	6,714.00	6,358.83	37.26	52.54	56.96	1,310.93	-7,536.71	7,923.63	7,846.97	76.67	103.353		
7,649.14	7,168.00	6,714.00	6,358.83	37.89	52.54	71.02	1,310.93	-7,536.71	7,876.34	7,799.69	76.66	102.747		
7,700.00	7,167.27	6,714.00	6,358.83	38.57	52.54	71.02	1,310.93	-7,536.71	7,827.20	7,750.54	76.66	102.106		
7,800.00	7,165.83	6,714.00	6,358.83	40.04	52.54	71.02	1,310.93	-7,536.71	7,730.65	7,653.98	76.67	100.830		
7,900.00	7,164.38	6,714.00	6,358.83	41.66	52.54	71.02	1,310.93	-7,536.71	7,634.18	7,557.48	76.70	99.528		
8,000.00	7,162.94	6,714.00	6,358.83	43.40	52.54	71.02	1,310.93	-7,536.71	7,537.81	7,461.05	76.76	98.200		
8,100.00	7,161.50	6,714.00	6,358.83	45.26	52.54	71.02	1,310.93	-7,536.71	7,441.54	7,364.70	76.84	96.845		
8,200.00	7,160.05	6,714.00	6,358.83	47.21	52.54	71.02	1,310.93	-7,536.71	7,345.36	7,268.41	76.95	95.462		
8,300.00	7,158.61	6,714.00	6,358.83	49.26	52.54	71.02	1,310.93	-7,536.71	7,249.29	7,172.21	77.08	94.052		
8,400.00	7,157.17	6,714.00	6,358.83	51.38	52.54	71.02	1,310.93	-7,536.71	7,153.32	7,076.08	77.24	92.615		
8,500.00	7,155.73	6,754.41	6,396.66	53.57	52.77	71.93	1,298.06	-7,542.75	7,056.26	6,978.46	77.81	90.689		
8,600.00	7,154.28	6,756.09	6,398.22	55.82	52.78	71.97	1,297.53	-7,543.05	6,960.42	6,882.38	78.04	89.188		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,152.84	6,757.81	6,399.83	58.12	52.79	72.01	1,296.99	-7,543.36	6,864.70	6,786.39	78.31	87.662		
8,800.00	7,151.40	6,759.58	6,401.48	60.47	52.80	72.05	1,296.44	-7,543.68	6,769.09	6,690.48	78.61	86.110		
8,900.00	7,149.95	6,761.39	6,403.17	62.86	52.81	72.09	1,295.88	-7,544.01	6,673.61	6,594.66	78.95	84.533		
9,000.00	7,148.51	6,763.25	6,404.90	65.28	52.82	72.13	1,295.30	-7,544.36	6,578.25	6,498.93	79.32	82.934		
9,100.00	7,147.07	6,803.00	6,441.77	67.74	53.04	73.05	1,283.11	-7,552.82	6,484.10	6,404.03	80.07	80.979		
9,200.00	7,145.62	6,803.00	6,441.77	70.23	53.04	73.05	1,283.11	-7,552.82	6,388.91	6,308.41	80.50	79.364		
9,300.00	7,144.18	6,803.00	6,441.77	72.74	53.04	73.05	1,283.11	-7,552.82	6,293.88	6,212.90	80.97	77.729		
9,400.00	7,142.74	6,803.00	6,441.77	75.28	53.04	73.05	1,283.11	-7,552.82	6,199.00	6,117.51	81.49	76.074		
9,500.00	7,141.29	6,803.00	6,441.77	77.84	53.04	73.05	1,283.11	-7,552.82	6,104.28	6,022.24	82.04	74.402		
9,600.00	7,139.85	6,803.00	6,441.77	80.42	53.04	73.05	1,283.11	-7,552.82	6,009.74	5,927.09	82.65	72.715		
9,700.00	7,138.41	6,803.00	6,441.77	83.01	53.04	73.05	1,283.11	-7,552.82	5,915.37	5,832.07	83.30	71.014		
9,800.00	7,136.97	6,803.00	6,441.77	85.62	53.04	73.05	1,283.11	-7,552.82	5,821.20	5,737.20	84.00	69.301		
9,900.00	7,135.52	6,803.00	6,441.77	88.25	53.04	73.05	1,283.11	-7,552.82	5,727.22	5,642.47	84.75	67.578		
10,000.00	7,134.08	6,803.00	6,441.77	90.89	53.04	73.05	1,283.11	-7,552.82	5,633.44	5,547.89	85.55	65.847		
10,100.00	7,132.64	6,803.00	6,441.77	93.54	53.04	73.05	1,283.11	-7,552.82	5,539.89	5,453.48	86.41	64.110		
10,200.00	7,131.19	6,803.00	6,441.77	96.20	53.04	73.05	1,283.11	-7,552.82	5,446.56	5,359.24	87.33	62.371		
10,300.00	7,129.75	6,803.00	6,441.77	98.87	53.04	73.05	1,283.11	-7,552.82	5,353.48	5,265.18	88.30	60.630		
10,400.00	7,128.31	6,803.00	6,441.77	101.55	53.04	73.05	1,283.11	-7,552.82	5,260.65	5,171.32	89.33	58.890		
10,500.00	7,126.86	6,803.00	6,441.77	104.24	53.04	73.05	1,283.11	-7,552.82	5,168.09	5,077.66	90.42	57.153		
10,600.00	7,125.42	6,803.00	6,441.77	106.94	53.04	73.05	1,283.11	-7,552.82	5,075.81	4,984.22	91.58	55.423		
10,700.00	7,123.98	6,803.00	6,441.77	109.64	53.04	73.05	1,283.11	-7,552.82	4,983.82	4,891.01	92.81	53.700		
10,800.00	7,122.53	6,803.00	6,441.77	112.36	53.04	73.05	1,283.11	-7,552.82	4,892.15	4,798.05	94.10	51.987		
10,900.00	7,121.09	6,803.00	6,441.77	115.08	53.04	73.05	1,283.11	-7,552.82	4,800.82	4,705.35	95.47	50.286		
11,000.00	7,119.65	6,803.00	6,441.77	117.80	53.04	73.05	1,283.11	-7,552.82	4,709.83	4,612.92	96.91	48.600		
11,100.00	7,118.20	6,803.00	6,441.77	120.53	53.04	73.05	1,283.11	-7,552.82	4,619.22	4,520.80	98.43	46.930		
11,200.00	7,116.76	6,803.00	6,441.77	123.26	53.04	73.05	1,283.11	-7,552.82	4,529.01	4,428.98	100.03	45.279		
11,300.00	7,115.32	6,803.00	6,441.77	126.00	53.04	73.05	1,283.11	-7,552.82	4,439.21	4,337.51	101.71	43.648		
11,400.00	7,113.88	6,803.00	6,441.77	128.75	53.04	73.05	1,283.11	-7,552.82	4,349.86	4,246.39	103.47	42.039		
11,500.00	7,112.43	6,838.17	6,474.07	131.50	53.20	73.87	1,272.57	-7,561.92	4,260.16	4,154.68	105.48	40.389		
11,600.00	7,110.99	6,843.11	6,478.57	134.25	53.22	73.99	1,271.10	-7,563.31	4,171.53	4,064.10	107.44	38.827		
11,700.00	7,109.55	6,848.25	6,483.25	137.01	53.24	74.11	1,269.57	-7,564.78	4,083.40	3,973.91	109.49	37.293		
11,800.00	7,108.10	6,853.60	6,488.12	139.77	53.27	74.24	1,267.98	-7,566.35	3,995.79	3,884.14	111.65	35.788		
11,900.00	7,106.66	6,892.00	6,522.72	142.53	53.44	75.14	1,256.65	-7,578.54	3,909.45	3,795.46	113.99	34.296		
12,000.00	7,105.22	6,892.00	6,522.72	145.30	53.44	75.14	1,256.65	-7,578.54	3,822.75	3,706.42	116.34	32.859		
12,100.00	7,103.77	6,892.00	6,522.72	148.06	53.44	75.14	1,256.65	-7,578.54	3,736.72	3,617.92	118.80	31.455		
12,200.00	7,102.33	6,892.00	6,522.72	150.84	53.44	75.14	1,256.65	-7,578.54	3,651.39	3,530.01	121.38	30.083		
12,300.00	7,100.89	6,892.00	6,522.72	153.61	53.44	75.14	1,256.65	-7,578.54	3,566.83	3,442.74	124.08	28.745		
12,400.00	7,099.44	6,892.00	6,522.72	156.39	53.44	75.14	1,256.65	-7,578.54	3,483.08	3,356.16	126.92	27.443		
12,500.00	7,098.00	6,892.00	6,522.72	159.17	53.44	75.14	1,256.65	-7,578.54	3,400.22	3,270.33	129.89	26.177		
12,600.00	7,096.56	6,892.00	6,522.72	161.95	53.44	75.14	1,256.65	-7,578.54	3,318.30	3,185.29	133.01	24.949		
12,700.00	7,095.12	6,892.00	6,522.72	164.73	53.44	75.14	1,256.65	-7,578.54	3,237.39	3,101.12	136.27	23.758		
12,800.00	7,093.67	6,892.00	6,522.72	167.52	53.44	75.14	1,256.65	-7,578.54	3,157.58	3,017.90	139.68	22.606		
12,900.00	7,092.23	6,925.84	6,552.68	170.31	53.56	75.94	1,246.79	-7,590.80	3,078.05	2,934.81	143.24	21.489		
13,000.00	7,090.79	6,933.97	6,559.78	173.09	53.59	76.14	1,244.45	-7,593.97	3,000.21	2,853.25	146.96	20.415		
13,100.00	7,089.34	6,942.58	6,567.26	175.89	53.62	76.34	1,241.97	-7,597.44	2,923.60	2,772.76	150.84	19.382		
13,200.00	7,087.90	6,982.00	6,600.94	178.68	53.76	77.27	1,230.73	-7,614.56	2,849.04	2,694.24	154.80	18.405		
13,300.00	7,086.46	6,982.00	6,600.94	181.47	53.76	77.27	1,230.73	-7,614.56	2,774.79	2,615.75	159.04	17.447		
13,400.00	7,085.01	6,982.00	6,600.94	184.27	53.76	77.27	1,230.73	-7,614.56	2,702.21	2,538.74	163.47	16.530		
13,500.00	7,083.57	6,982.00	6,600.94	187.07	53.76	77.27	1,230.73	-7,614.56	2,631.43	2,463.35	168.08	15.656		
13,600.00	7,082.13	6,982.00	6,600.94	189.86	53.76	77.27	1,230.73	-7,614.56	2,562.59	2,389.72	172.87	14.824		
13,700.00	7,080.68	6,982.00	6,600.94	192.66	53.76	77.27	1,230.73	-7,614.56	2,495.87	2,318.02	177.84	14.034		
13,800.00	7,079.24	6,982.00	6,600.94	195.47	53.76	77.27	1,230.73	-7,614.56	2,431.42	2,248.43	182.99	13.287		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
13,900.00	7,077.80	7,023.62	6,635.26	198.27	53.86	78.23	1,219.32	-7,635.13	2,367.81	2,179.67	188.14	12.586		
14,000.00	7,076.36	7,035.78	6,645.00	201.07	53.89	78.51	1,216.12	-7,641.66	2,307.44	2,113.88	193.56	11.921		
14,100.00	7,074.91	7,071.00	6,672.42	203.88	53.98	79.30	1,207.18	-7,661.87	2,250.04	2,051.07	198.97	11.309		
14,200.00	7,073.47	7,071.00	6,672.42	206.68	53.98	79.30	1,207.18	-7,661.87	2,194.48	1,989.71	204.77	10.717		
14,300.00	7,072.03	7,071.00	6,672.42	209.49	53.98	79.30	1,207.18	-7,661.87	2,142.15	1,931.46	210.69	10.167		
14,400.00	7,070.58	7,071.00	6,672.42	212.30	53.98	79.30	1,207.18	-7,661.87	2,093.30	1,876.60	216.69	9.660		
14,500.00	7,069.14	7,110.52	6,701.77	215.11	54.03	80.16	1,197.95	-7,686.66	2,046.74	1,824.24	222.50	9.199		
14,600.00	7,067.70	7,128.63	6,714.72	217.92	54.05	80.55	1,194.06	-7,698.71	2,004.02	1,775.54	228.49	8.771		
14,700.00	7,066.25	7,161.00	6,737.02	220.73	54.09	81.22	1,187.62	-7,721.27	1,964.97	1,730.64	234.34	8.385		
14,800.00	7,064.81	7,161.00	6,737.02	223.54	54.09	81.22	1,187.62	-7,721.27	1,929.35	1,688.92	240.42	8.025		
14,900.00	7,063.37	7,193.40	6,758.26	226.35	54.10	81.87	1,181.86	-7,745.04	1,897.49	1,651.31	246.18	7.708		
15,000.00	7,061.92	7,218.98	6,774.27	229.16	54.11	82.37	1,177.78	-7,764.57	1,869.51	1,617.67	251.84	7.423		
15,100.00	7,060.48	7,250.00	6,792.75	231.98	54.12	82.95	1,173.39	-7,789.09	1,845.44	1,588.15	257.29	7.173		
15,200.00	7,059.04	7,250.00	6,792.75	234.79	54.12	82.95	1,173.39	-7,789.09	1,825.76	1,563.09	262.68	6.951		
15,300.00	7,057.60	7,301.20	6,820.88	237.61	54.08	83.84	1,167.71	-7,831.47	1,809.29	1,541.68	267.60	6.761		
15,400.00	7,056.15	7,340.00	6,840.15	240.42	54.06	84.47	1,164.82	-7,865.02	1,797.38	1,525.11	272.28	6.601		
15,500.00	7,054.71	7,366.43	6,852.18	243.24	54.02	84.86	1,163.47	-7,888.51	1,789.31	1,512.62	276.70	6.467		
15,600.00	7,053.27	7,406.03	6,868.45	246.05	53.97	85.40	1,162.18	-7,924.58	1,784.97	1,504.19	280.78	6.357		
15,681.97	7,052.08	7,443.08	6,881.72	248.36	53.91	85.84	1,161.74	-7,959.17	1,784.00	1,500.09	283.91	6.284 CC		
15,687.75	7,052.00	7,446.20	6,882.76	248.53	53.91	85.88	1,161.73	-7,962.11	1,784.02	1,499.88	284.13	6.279 ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-86.20	493.66	-7,434.41	7,450.79					
100.00	100.00	87.00	87.00	3.28	3.61	-86.20	493.66	-7,434.41	7,450.78	7,443.88	6.90	1,079.950		
200.00	200.00	187.00	187.00	3.34	5.80	-86.20	493.66	-7,434.41	7,450.78	7,441.64	9.14	815.507		
300.00	300.00	287.00	287.00	3.44	8.90	-86.20	493.66	-7,434.41	7,450.78	7,438.43	12.35	603.545		
400.00	399.98	386.98	386.98	3.60	12.21	160.14	493.66	-7,434.41	7,452.42	7,436.61	15.81	471.347		
500.00	499.84	486.84	486.84	3.79	15.60	160.12	493.66	-7,434.41	7,457.34	7,437.95	19.39	384.543		
600.00	599.45	586.45	586.45	4.03	19.01	160.09	493.66	-7,434.41	7,465.54	7,442.50	23.04	323.972		
700.00	698.70	685.70	685.70	4.30	22.43	160.04	493.66	-7,434.41	7,477.01	7,450.27	26.74	279.645		
800.00	797.47	784.47	784.47	4.61	25.85	159.98	493.66	-7,434.41	7,491.73	7,461.27	30.46	245.977		
900.00	895.62	882.62	882.62	4.96	29.25	159.90	493.66	-7,434.41	7,509.69	7,475.50	34.19	219.646		
1,000.00	993.06	980.06	980.06	5.34	32.63	159.81	493.66	-7,434.41	7,530.87	7,492.95	37.93	198.564		
1,100.00	1,089.64	1,076.64	1,076.64	5.75	35.99	159.71	493.66	-7,434.41	7,555.26	7,513.60	41.66	181.359		
1,110.48	1,099.71	1,086.71	1,086.71	5.80	36.34	159.70	493.66	-7,434.41	7,558.00	7,515.94	42.05	179.718		
1,200.00	1,185.67	1,172.67	1,172.67	6.20	39.33	159.76	493.66	-7,434.41	7,581.55	7,536.16	45.39	167.035		
1,300.00	1,281.70	1,268.70	1,268.70	6.67	42.67	159.83	493.66	-7,434.41	7,607.87	7,558.74	49.13	154.852		
1,400.00	1,377.72	1,364.72	1,364.72	7.16	46.01	159.91	493.66	-7,434.41	7,634.20	7,581.31	52.89	144.354		
1,500.00	1,473.75	1,460.75	1,460.75	7.66	49.36	159.98	493.66	-7,434.41	7,660.54	7,603.89	56.65	135.220		
1,600.00	1,569.77	1,556.77	1,556.77	8.17	52.70	160.05	493.66	-7,434.41	7,686.90	7,626.47	60.43	127.204		
1,700.00	1,665.80	1,652.80	1,652.80	8.69	56.05	160.12	493.66	-7,434.41	7,713.26	7,649.05	64.22	120.116		
1,800.00	1,761.82	1,748.82	1,748.82	9.22	59.40	160.19	493.66	-7,434.41	7,739.64	7,671.63	68.01	113.805		
1,900.00	1,857.85	1,844.85	1,844.85	9.76	62.74	160.26	493.66	-7,434.41	7,766.02	7,694.22	71.81	108.152		
2,000.00	1,953.87	1,940.87	1,940.87	10.30	66.09	160.33	493.66	-7,434.41	7,792.42	7,716.81	75.61	103.060		
2,100.00	2,049.90	2,036.90	2,036.90	10.84	69.44	160.40	493.66	-7,434.41	7,818.83	7,739.41	79.42	98.451		
2,200.00	2,145.92	2,132.92	2,132.92	11.39	72.79	160.46	493.66	-7,434.41	7,845.25	7,762.02	83.23	94.260		
2,300.00	2,241.94	2,228.94	2,228.94	11.95	76.14	160.53	493.66	-7,434.41	7,871.68	7,784.63	87.04	90.433		
2,400.00	2,337.97	2,324.97	2,324.97	12.50	79.49	160.60	493.66	-7,434.41	7,898.12	7,807.25	90.86	86.924		
2,500.00	2,433.99	2,420.99	2,420.99	13.06	82.84	160.67	493.66	-7,434.41	7,924.56	7,829.88	94.68	83.696		
2,600.00	2,530.02	2,517.02	2,517.02	13.63	86.19	160.73	493.66	-7,434.41	7,951.02	7,852.52	98.51	80.717		
2,700.00	2,626.04	2,613.04	2,613.04	14.19	89.54	160.80	493.66	-7,434.41	7,977.49	7,875.16	102.33	77.959		
2,800.00	2,722.07	2,709.07	2,709.07	14.76	92.89	160.86	493.66	-7,434.41	8,003.97	7,897.82	106.16	75.399		
2,900.00	2,818.09	2,805.09	2,805.09	15.32	96.24	160.93	493.66	-7,434.41	8,030.46	7,920.48	109.98	73.016		
3,000.00	2,914.12	2,901.12	2,901.12	15.89	99.59	160.99	493.66	-7,434.41	8,056.96	7,943.15	113.81	70.792		
3,100.00	3,010.14	3,002.86	2,997.14	16.46	103.14	161.06	493.66	-7,434.41	8,083.47	7,965.62	117.84	68.596		
3,200.00	3,106.17	3,106.83	3,093.17	17.03	106.76	161.12	493.66	-7,434.41	8,109.98	7,988.03	121.95	66.503		
3,298.02	3,200.29	3,187.29	3,187.29	17.59	109.57	161.18	493.66	-7,434.41	8,135.98	8,010.75	125.23	64.969		
3,300.00	3,202.19	3,189.19	3,189.19	17.60	109.64	161.19	493.66	-7,434.41	8,136.51	8,011.20	125.30	64.934		
3,400.00	3,298.70	3,285.70	3,285.70	18.16	113.01	161.41	493.66	-7,434.41	8,161.38	8,032.23	129.15	63.194		
3,500.00	3,396.07	3,383.07	3,383.07	18.68	116.40	161.60	493.66	-7,434.41	8,183.04	8,050.04	133.01	61.522		
3,600.00	3,494.17	3,481.17	3,481.17	19.18	119.83	161.76	493.66	-7,434.41	8,201.47	8,064.58	136.89	59.914		
3,700.00	3,592.88	3,579.88	3,579.88	19.64	123.27	161.89	493.66	-7,434.41	8,216.63	8,075.85	140.77	58.367		
3,800.00	3,692.10	3,679.10	3,679.10	20.08	126.73	161.99	493.66	-7,434.41	8,228.50	8,083.84	144.67	56.879		
3,900.00	3,791.69	3,778.69	3,778.69	20.49	130.21	162.07	493.66	-7,434.41	8,237.08	8,088.52	148.56	55.445		
4,000.00	3,891.53	3,878.53	3,878.53	20.88	133.69	162.11	493.66	-7,434.41	8,242.34	8,089.89	152.45	54.065		
4,108.50	4,000.00	3,987.00	3,987.00	21.27	137.48	-84.22	493.66	-7,434.41	8,244.30	8,087.64	156.65	52.628		
4,200.00	4,091.50	4,078.50	4,078.50	21.58	140.67	-84.22	493.66	-7,434.41	8,244.30	8,084.12	160.17	51.471		
4,300.00	4,191.50	4,178.50	4,178.50	21.92	144.16	-84.22	493.66	-7,434.41	8,244.30	8,080.27	164.03	50.261		
4,400.00	4,291.50	4,278.50	4,278.50	22.27	147.65	-84.22	493.66	-7,434.41	8,244.30	8,076.41	167.89	49.107		
4,500.00	4,391.50	4,378.50	4,378.50	22.62	151.14	-84.22	493.66	-7,434.41	8,244.30	8,072.55	171.75	48.003		
4,600.00	4,491.50	4,478.50	4,478.50	22.97	154.63	-84.22	493.66	-7,434.41	8,244.30	8,068.69	175.61	46.947		
4,700.00	4,591.50	4,578.50	4,578.50	23.33	158.12	-84.22	493.66	-7,434.41	8,244.30	8,064.82	179.47	45.936		
4,800.00	4,691.50	4,678.50	4,678.50	23.69	161.61	-84.22	493.66	-7,434.41	8,244.30	8,060.96	183.34	44.967		
4,900.00	4,791.50	4,778.50	4,778.50	24.05	165.10	-84.22	493.66	-7,434.41	8,244.30	8,057.09	187.21	44.038		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	4,878.50	4,878.50	24.42	168.60	-84.22	493.66	-7,434.41	8,244.30	8,053.21	191.08	43.145		
5,100.00	4,991.50	4,978.50	4,978.50	24.78	172.09	-84.22	493.66	-7,434.41	8,244.30	8,049.34	194.96	42.288		
5,200.00	5,091.50	5,078.50	5,078.50	25.15	175.58	-84.22	493.66	-7,434.41	8,244.30	8,045.46	198.83	41.464		
5,300.00	5,191.50	5,178.50	5,178.50	25.53	179.07	-84.22	493.66	-7,434.41	8,244.30	8,041.59	202.71	40.670		
5,400.00	5,291.50	5,278.50	5,278.50	25.90	182.56	-84.22	493.66	-7,434.41	8,244.30	8,037.71	206.59	39.907		
5,500.00	5,391.50	5,378.50	5,378.50	26.28	186.05	-84.22	493.66	-7,434.41	8,244.30	8,033.82	210.47	39.171		
5,600.00	5,491.50	5,478.50	5,478.50	26.65	189.54	-84.22	493.66	-7,434.41	8,244.30	8,029.94	214.35	38.461		
5,700.00	5,591.50	5,578.50	5,578.50	27.03	193.03	-84.22	493.66	-7,434.41	8,244.30	8,026.06	218.24	37.776		
5,800.00	5,691.50	5,678.50	5,678.50	27.41	196.52	-84.22	493.66	-7,434.41	8,244.30	8,022.17	222.12	37.116		
5,900.00	5,791.50	5,778.50	5,778.50	27.80	200.01	-84.22	493.66	-7,434.41	8,244.30	8,018.28	226.01	36.477		
6,000.00	5,891.50	5,878.50	5,878.50	28.18	203.50	-84.22	493.66	-7,434.41	8,244.30	8,014.39	229.90	35.860		
6,100.00	5,991.50	5,978.50	5,978.50	28.57	206.99	-84.22	493.66	-7,434.41	8,244.30	8,010.50	233.79	35.264		
6,200.00	6,091.50	6,078.50	6,078.50	28.96	210.48	-84.22	493.66	-7,434.41	8,244.30	8,006.61	237.68	34.686		
6,300.00	6,191.50	6,178.50	6,178.50	29.35	213.97	-84.22	493.66	-7,434.41	8,244.30	8,002.72	241.57	34.127		
6,400.00	6,291.50	6,278.50	6,278.50	29.74	217.46	-84.22	493.66	-7,434.41	8,244.30	7,998.83	245.47	33.586		
6,500.00	6,391.50	6,378.50	6,378.50	30.13	220.95	-84.22	493.66	-7,434.41	8,244.30	7,994.93	249.36	33.061		
6,600.00	6,491.50	6,478.50	6,478.50	30.52	224.44	-84.22	493.66	-7,434.41	8,244.30	7,991.04	253.26	32.553		
6,639.95	6,531.45	6,518.45	6,518.45	30.68	225.84	-84.22	493.66	-7,434.41	8,244.30	7,989.48	254.82	32.354		
6,650.00	6,541.50	6,528.50	6,528.50	30.72	226.19	7.63	493.66	-7,434.41	8,244.22	7,989.01	255.21	32.304		
6,700.00	6,591.41	6,578.41	6,578.41	30.90	227.93	7.67	493.66	-7,434.41	8,241.49	7,984.36	257.14	32.051		
6,750.00	6,640.95	6,627.95	6,627.95	31.09	229.66	7.75	493.66	-7,434.41	8,234.89	7,975.85	259.04	31.790		
6,800.00	6,689.82	6,676.82	6,676.82	31.29	231.37	7.89	493.66	-7,434.41	8,224.46	7,963.55	260.91	31.522		
6,850.00	6,737.71	6,724.71	6,724.71	31.49	233.04	8.09	493.66	-7,434.41	8,210.26	7,947.53	262.73	31.249		
6,900.00	6,784.33	6,771.33	6,771.33	31.70	234.67	8.36	493.66	-7,434.41	8,192.38	7,927.89	264.50	30.973		
6,950.00	6,829.39	6,816.39	6,816.39	31.92	236.24	8.70	493.66	-7,434.41	8,170.94	7,904.75	266.19	30.696		
7,000.00	6,872.61	6,859.61	6,859.61	32.15	237.75	9.12	493.66	-7,434.41	8,146.05	7,878.25	267.80	30.418		
7,050.00	6,913.73	6,900.73	6,900.73	32.41	239.18	9.66	493.66	-7,434.41	8,117.89	7,848.56	269.33	30.141		
7,100.00	6,952.49	6,939.49	6,939.49	32.68	240.54	10.32	493.66	-7,434.41	8,086.61	7,815.86	270.76	29.867		
7,150.00	6,988.66	6,975.66	6,975.66	32.98	241.80	11.15	493.66	-7,434.41	8,052.43	7,780.34	272.08	29.596		
7,200.00	7,022.01	7,009.01	7,009.01	33.31	242.96	12.20	493.66	-7,434.41	8,015.54	7,742.24	273.29	29.329		
7,250.00	7,052.33	7,039.33	7,039.33	33.67	244.02	13.55	493.66	-7,434.41	7,976.17	7,701.78	274.39	29.069		
7,300.00	7,079.44	7,066.44	7,066.44	34.07	244.97	15.31	493.66	-7,434.41	7,934.57	7,659.21	275.36	28.815		
7,350.00	7,103.17	7,109.83	7,090.17	34.51	246.48	17.66	493.66	-7,434.41	7,891.00	7,614.11	276.89	28.498		
7,400.00	7,123.38	7,110.38	7,110.38	34.98	246.50	20.95	493.66	-7,434.41	7,845.73	7,568.80	276.92	28.332		
7,450.00	7,139.94	7,126.94	7,126.94	35.50	247.08	25.74	493.66	-7,434.41	7,799.03	7,521.52	277.51	28.104		
7,500.00	7,152.75	7,139.75	7,139.75	36.05	247.53	33.19	493.66	-7,434.41	7,751.19	7,473.23	277.96	27.886		
7,550.00	7,161.73	7,148.73	7,148.73	36.64	247.84	45.55	493.66	-7,434.41	7,702.51	7,424.24	278.27	27.680		
7,600.00	7,166.82	7,153.82	7,153.82	37.26	248.02	66.54	493.66	-7,434.41	7,653.29	7,374.84	278.45	27.485		
7,649.14	7,168.00	7,155.00	7,155.00	37.89	248.06	95.67	493.66	-7,434.41	7,604.69	7,326.19	278.50	27.306		
7,700.00	7,167.27	7,154.27	7,154.27	38.57	248.03	95.63	493.66	-7,434.41	7,554.36	7,275.88	278.49	27.126		
7,800.00	7,165.83	7,152.83	7,152.83	40.04	247.98	95.55	493.66	-7,434.41	7,455.44	7,176.98	278.46	26.773		
7,900.00	7,164.38	7,151.38	7,151.38	41.66	247.93	95.48	493.66	-7,434.41	7,356.55	7,078.10	278.45	26.420		
8,000.00	7,162.94	7,149.94	7,149.94	43.40	247.88	95.40	493.66	-7,434.41	7,257.69	6,979.24	278.45	26.065		
8,100.00	7,161.50	7,148.50	7,148.50	45.26	247.83	95.33	493.66	-7,434.41	7,158.86	6,880.41	278.45	25.709		
8,200.00	7,160.05	7,147.05	7,147.05	47.21	247.78	95.25	493.66	-7,434.41	7,060.06	6,781.60	278.47	25.353		
8,300.00	7,158.61	7,145.61	7,145.61	49.26	247.73	95.18	493.66	-7,434.41	6,961.30	6,682.80	278.50	24.996		
8,400.00	7,157.17	7,144.17	7,144.17	51.38	247.68	95.10	493.66	-7,434.41	6,862.57	6,584.04	278.54	24.638		
8,500.00	7,155.73	7,142.73	7,142.73	53.57	247.63	95.03	493.66	-7,434.41	6,763.88	6,485.29	278.59	24.279		
8,600.00	7,154.28	7,141.28	7,141.28	55.82	247.58	94.95	493.66	-7,434.41	6,665.23	6,386.58	278.65	23.919		
8,700.00	7,152.84	7,139.84	7,139.84	58.12	247.53	94.88	493.66	-7,434.41	6,566.62	6,287.88	278.73	23.559		
8,800.00	7,151.40	7,138.40	7,138.40	60.47	247.48	94.80	493.66	-7,434.41	6,468.05	6,189.22	278.83	23.197		
8,900.00	7,149.95	7,136.95	7,136.95	62.86	247.43	94.73	493.66	-7,434.41	6,369.53	6,090.58	278.94	22.835		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	7,135.51	7,135.51	65.28	247.38	94.65	493.66	-7,434.41	6,271.05	5,991.97	279.07	22.471		
9,100.00	7,147.07	7,134.07	7,134.07	67.74	247.33	94.58	493.66	-7,434.41	6,172.62	5,893.40	279.22	22.107		
9,200.00	7,145.62	7,132.62	7,132.62	70.23	247.28	94.50	493.66	-7,434.41	6,074.24	5,794.85	279.39	21.741		
9,300.00	7,144.18	7,131.18	7,131.18	72.74	247.23	94.43	493.66	-7,434.41	5,975.91	5,696.33	279.58	21.375		
9,400.00	7,142.74	7,129.74	7,129.74	75.28	247.18	94.35	493.66	-7,434.41	5,877.64	5,597.85	279.79	21.007		
9,500.00	7,141.29	7,128.29	7,128.29	77.84	247.13	94.28	493.66	-7,434.41	5,779.43	5,499.41	280.03	20.639		
9,600.00	7,139.85	7,126.85	7,126.85	80.42	247.08	94.20	493.66	-7,434.41	5,681.28	5,401.00	280.29	20.269		
9,700.00	7,138.41	7,125.41	7,125.41	83.01	247.02	94.13	493.66	-7,434.41	5,583.20	5,302.62	280.58	19.899		
9,800.00	7,136.97	7,123.97	7,123.97	85.62	246.97	94.05	493.66	-7,434.41	5,485.19	5,204.29	280.89	19.528		
9,900.00	7,135.52	7,122.52	7,122.52	88.25	246.92	93.98	493.66	-7,434.41	5,387.25	5,106.00	281.24	19.155		
10,000.00	7,134.08	7,121.08	7,121.08	90.89	246.87	93.90	493.66	-7,434.41	5,289.38	5,007.76	281.62	18.782		
10,100.00	7,132.64	7,119.64	7,119.64	93.54	246.82	93.83	493.66	-7,434.41	5,191.60	4,909.56	282.04	18.408		
10,200.00	7,131.19	7,118.19	7,118.19	96.20	246.77	93.75	493.66	-7,434.41	5,093.90	4,811.41	282.49	18.032		
10,300.00	7,129.75	7,116.75	7,116.75	98.87	246.72	93.68	493.66	-7,434.41	4,996.29	4,713.31	282.98	17.656		
10,400.00	7,128.31	7,115.31	7,115.31	101.55	246.67	93.60	493.66	-7,434.41	4,898.78	4,615.27	283.51	17.279		
10,500.00	7,126.86	7,113.86	7,113.86	104.24	246.62	93.53	493.66	-7,434.41	4,801.37	4,517.28	284.09	16.901		
10,600.00	7,125.42	7,112.42	7,112.42	106.94	246.57	93.45	493.66	-7,434.41	4,704.07	4,419.36	284.71	16.522		
10,700.00	7,123.98	7,110.98	7,110.98	109.64	246.52	93.38	493.66	-7,434.41	4,606.88	4,321.50	285.39	16.143		
10,800.00	7,122.53	7,109.53	7,109.53	112.36	246.47	93.30	493.66	-7,434.41	4,509.82	4,223.70	286.12	15.762		
10,900.00	7,121.09	7,108.09	7,108.09	115.08	246.42	93.23	493.66	-7,434.41	4,412.89	4,125.99	286.90	15.381		
11,000.00	7,119.65	7,106.65	7,106.65	117.80	246.37	93.15	493.66	-7,434.41	4,316.09	4,028.35	287.74	15.000		
11,100.00	7,118.20	7,105.20	7,105.20	120.53	246.32	93.08	493.66	-7,434.41	4,219.45	3,930.79	288.65	14.618		
11,200.00	7,116.76	7,103.76	7,103.76	123.26	246.27	93.00	493.66	-7,434.41	4,122.96	3,833.33	289.63	14.235		
11,300.00	7,115.32	7,102.32	7,102.32	126.00	246.22	92.92	493.66	-7,434.41	4,026.65	3,735.97	290.69	13.852		
11,400.00	7,113.88	7,100.88	7,100.88	128.75	246.17	92.85	493.66	-7,434.41	3,930.52	3,638.70	291.82	13.469		
11,500.00	7,112.43	7,100.57	7,099.43	131.50	246.16	92.77	493.66	-7,434.41	3,834.59	3,541.52	293.07	13.084		
11,600.00	7,110.99	7,102.01	7,097.99	134.25	246.21	92.70	493.66	-7,434.41	3,738.87	3,444.39	294.48	12.697		
11,700.00	7,109.55	7,103.45	7,096.55	137.01	246.26	92.62	493.66	-7,434.41	3,643.38	3,347.40	295.98	12.310		
11,800.00	7,108.10	7,104.90	7,095.10	139.77	246.31	92.55	493.66	-7,434.41	3,548.13	3,250.55	297.58	11.923		
11,900.00	7,106.66	7,106.34	7,093.66	142.53	246.36	92.47	493.66	-7,434.41	3,453.16	3,153.86	299.30	11.538		
12,000.00	7,105.22	7,107.78	7,092.22	145.30	246.41	92.40	493.66	-7,434.41	3,358.48	3,057.35	301.13	11.153		
12,100.00	7,103.77	7,109.23	7,090.77	148.06	246.46	92.32	493.66	-7,434.41	3,264.11	2,961.02	303.09	10.769		
12,200.00	7,102.33	7,089.33	7,089.33	150.84	245.77	92.25	493.66	-7,434.41	3,170.09	2,865.64	304.45	10.413		
12,300.00	7,100.89	7,087.89	7,087.89	153.61	245.72	92.17	493.66	-7,434.41	3,076.44	2,769.85	306.59	10.034		
12,400.00	7,099.44	7,086.44	7,086.44	156.39	245.66	92.10	493.66	-7,434.41	2,983.21	2,674.30	308.90	9.657		
12,500.00	7,098.00	7,085.00	7,085.00	159.17	245.61	92.02	493.66	-7,434.41	2,890.42	2,579.04	311.38	9.283		
12,600.00	7,096.56	7,083.56	7,083.56	161.95	245.56	91.94	493.66	-7,434.41	2,798.14	2,484.09	314.05	8.910		
12,700.00	7,095.12	7,082.12	7,082.12	164.73	245.51	91.87	493.66	-7,434.41	2,706.40	2,389.48	316.92	8.540		
12,800.00	7,093.67	7,080.67	7,080.67	167.52	245.46	91.79	493.66	-7,434.41	2,615.27	2,295.25	320.02	8.172		
12,900.00	7,092.23	7,079.23	7,079.23	170.31	245.41	91.72	493.66	-7,434.41	2,524.80	2,201.45	323.35	7.808		
13,000.00	7,090.79	7,077.79	7,077.79	173.09	245.36	91.64	493.66	-7,434.41	2,435.08	2,108.14	326.94	7.448		
13,100.00	7,089.34	7,076.34	7,076.34	175.89	245.31	91.57	493.66	-7,434.41	2,346.20	2,015.38	330.82	7.092		
13,200.00	7,087.90	7,074.90	7,074.90	178.68	245.26	91.49	493.66	-7,434.41	2,258.24	1,923.24	335.00	6.741		
13,300.00	7,086.46	7,073.46	7,073.46	181.47	245.21	91.42	493.66	-7,434.41	2,171.32	1,831.81	339.51	6.395		
13,400.00	7,085.01	7,072.01	7,072.01	184.27	245.16	91.34	493.66	-7,434.41	2,085.58	1,741.19	344.39	6.056		
13,500.00	7,083.57	7,070.57	7,070.57	187.07	245.11	91.27	493.66	-7,434.41	2,001.15	1,651.50	349.65	5.723		
13,600.00	7,082.13	7,069.13	7,069.13	189.86	245.06	91.19	493.66	-7,434.41	1,918.23	1,562.89	355.34	5.398		
13,700.00	7,080.68	7,067.68	7,067.68	192.66	245.01	91.11	493.66	-7,434.41	1,837.00	1,475.54	361.47	5.082		
13,800.00	7,079.24	7,066.24	7,066.24	195.47	244.96	91.04	493.66	-7,434.41	1,757.71	1,389.64	368.07	4.775		
13,900.00	7,077.80	7,064.80	7,064.80	198.27	244.91	90.96	493.66	-7,434.41	1,680.63	1,305.46	375.18	4.480		
14,000.00	7,076.36	7,063.36	7,063.36	201.07	244.86	90.89	493.66	-7,434.41	1,606.08	1,223.29	382.79	4.196		
14,100.00	7,074.91	7,061.91	7,061.91	203.88	244.81	90.81	493.66	-7,434.41	1,534.43	1,143.52	390.91	3.925		

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 13C-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 13C-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 - PEANUT #1 - OH - OH										Offset Site Error:		0.00 ft
Survey Program:		100-2" Cone@2.448 Sigma										Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
14,200.00	7,073.47	7,060.47	7,060.47	206.68	244.76	90.74	493.66	-7,434.41	1,466.09	1,066.57	399.52	3.670		
14,300.00	7,072.03	7,059.03	7,059.03	209.49	244.71	90.66	493.66	-7,434.41	1,401.56	992.99	408.57	3.430		
14,400.00	7,070.58	7,057.58	7,057.58	212.30	244.66	90.59	493.66	-7,434.41	1,341.39	923.40	417.99	3.209		
14,500.00	7,069.14	7,056.14	7,056.14	215.11	244.61	90.51	493.66	-7,434.41	1,286.19	858.57	427.62	3.008		
14,600.00	7,067.70	7,054.70	7,054.70	217.92	244.56	90.43	493.66	-7,434.41	1,236.61	799.33	437.28	2.828		
14,700.00	7,066.25	7,053.25	7,053.25	220.73	244.51	90.36	493.66	-7,434.41	1,193.38	746.65	446.73	2.671		
14,800.00	7,064.81	7,051.81	7,051.81	223.54	244.46	90.28	493.66	-7,434.41	1,157.19	701.56	455.63	2.540		
14,900.00	7,063.37	7,050.37	7,050.37	226.35	244.41	90.21	493.66	-7,434.41	1,128.72	665.08	463.65	2.434		
15,000.00	7,061.92	7,048.92	7,048.92	229.16	244.35	90.13	493.66	-7,434.41	1,108.58	638.16	470.42	2.357		
15,100.00	7,060.48	7,047.48	7,047.48	231.98	244.30	90.06	493.66	-7,434.41	1,097.21	621.59	475.62	2.307		
15,175.42	7,059.39	7,046.39	7,046.39	234.10	244.27	90.00	493.66	-7,434.41	1,094.61	616.25	478.36	2.288	CC	
15,200.00	7,059.04	7,046.04	7,046.04	234.79	244.25	89.98	493.66	-7,434.41	1,094.89	615.87	479.02	2.286	ES, SF	
15,300.00	7,057.60	7,044.60	7,044.60	237.61	244.20	89.91	493.66	-7,434.41	1,101.68	621.18	480.50	2.293		
15,400.00	7,056.15	7,043.15	7,043.15	240.42	244.15	89.83	493.66	-7,434.41	1,117.41	637.31	480.11	2.327		
15,500.00	7,054.71	7,041.71	7,041.71	243.24	244.10	89.75	493.66	-7,434.41	1,141.71	663.73	477.99	2.389		
15,600.00	7,053.27	7,040.27	7,040.27	246.05	244.05	89.68	493.66	-7,434.41	1,174.06	699.66	474.40	2.475		
15,687.75	7,052.00	7,039.00	7,039.00	248.53	244.01	89.61	493.66	-7,434.41	1,208.56	738.27	470.29	2.570		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-84.98	524.58	-5,968.79	5,991.79					
100.00	100.00	135.00	135.00	3.28	4.42	-84.98	524.58	-5,968.79	5,991.79	5,984.09	7.71	777.371		
200.00	200.00	235.00	235.00	3.34	7.24	-84.98	524.58	-5,968.79	5,991.79	5,981.21	10.58	566.302		
300.00	300.00	335.00	335.00	3.44	10.48	-84.98	524.58	-5,968.79	5,991.79	5,977.87	13.92	430.415		
400.00	399.98	434.98	434.98	3.60	13.83	161.37	524.58	-5,968.79	5,993.45	5,976.02	17.43	343.812		
500.00	499.84	534.84	534.84	3.79	17.24	161.35	524.58	-5,968.79	5,998.41	5,977.37	21.03	285.169		
600.00	599.45	634.45	634.45	4.03	20.67	161.32	524.58	-5,968.79	6,006.67	5,981.97	24.70	243.220		
700.00	698.70	733.70	733.70	4.30	24.09	161.29	524.58	-5,968.79	6,018.22	5,989.82	28.40	211.936		
800.00	797.47	832.47	832.47	4.61	27.51	161.24	524.58	-5,968.79	6,033.05	6,000.93	32.12	187.830		
900.00	895.62	930.62	930.62	4.96	30.92	161.18	524.58	-5,968.79	6,051.15	6,015.29	35.86	168.767		
1,000.00	993.06	1,028.06	1,028.06	5.34	34.30	161.10	524.58	-5,968.79	6,072.49	6,032.90	39.59	153.372		
1,100.00	1,089.64	1,124.64	1,124.64	5.75	37.66	161.02	524.58	-5,968.79	6,097.06	6,053.73	43.33	140.724		
1,110.48	1,099.71	1,134.71	1,134.71	5.80	38.01	161.01	524.58	-5,968.79	6,099.82	6,056.10	43.72	139.513		
1,200.00	1,185.67	1,220.67	1,220.67	6.20	41.00	161.09	524.58	-5,968.79	6,123.55	6,076.50	47.06	130.133		
1,300.00	1,281.70	1,316.70	1,316.70	6.67	44.34	161.17	524.58	-5,968.79	6,150.08	6,099.28	50.80	121.073		
1,400.00	1,377.72	1,412.72	1,412.72	7.16	47.69	161.25	524.58	-5,968.79	6,176.61	6,122.06	54.55	113.227		
1,500.00	1,473.75	1,508.75	1,508.75	7.66	51.03	161.33	524.58	-5,968.79	6,203.16	6,144.84	58.32	106.369		
1,600.00	1,569.77	1,604.77	1,604.77	8.17	54.38	161.42	524.58	-5,968.79	6,229.72	6,167.62	62.09	100.328		
1,700.00	1,665.80	1,700.80	1,700.80	8.69	57.72	161.50	524.58	-5,968.79	6,256.29	6,190.41	65.88	94.969		
1,800.00	1,761.82	1,803.18	1,796.82	9.22	61.29	161.58	524.58	-5,968.79	6,282.87	6,212.98	69.89	89.896		
1,900.00	1,857.85	1,907.15	1,892.85	9.76	64.92	161.66	524.58	-5,968.79	6,309.46	6,235.50	73.96	85.304		
2,000.00	1,953.87	1,988.87	1,988.87	10.30	67.77	161.74	524.58	-5,968.79	6,336.07	6,258.80	77.27	82.002		
2,100.00	2,049.90	2,084.90	2,084.90	10.84	71.11	161.82	524.58	-5,968.79	6,362.69	6,281.61	81.07	78.480		
2,200.00	2,145.92	2,180.92	2,180.92	11.39	74.46	161.89	524.58	-5,968.79	6,389.31	6,304.43	84.88	75.271		
2,300.00	2,241.94	2,276.94	2,276.94	11.95	77.81	161.97	524.58	-5,968.79	6,415.95	6,327.26	88.70	72.335		
2,400.00	2,337.97	2,372.97	2,372.97	12.50	81.16	162.05	524.58	-5,968.79	6,442.60	6,350.09	92.51	69.640		
2,500.00	2,433.99	2,468.99	2,468.99	13.06	84.51	162.12	524.58	-5,968.79	6,469.26	6,372.93	96.33	67.156		
2,600.00	2,530.02	2,565.02	2,565.02	13.63	87.86	162.20	524.58	-5,968.79	6,495.93	6,395.78	100.15	64.861		
2,700.00	2,626.04	2,661.04	2,661.04	14.19	91.21	162.27	524.58	-5,968.79	6,522.62	6,418.64	103.97	62.733		
2,800.00	2,722.07	2,757.07	2,757.07	14.76	94.56	162.35	524.58	-5,968.79	6,549.31	6,441.51	107.80	60.755		
2,900.00	2,818.09	2,853.09	2,853.09	15.32	97.91	162.42	524.58	-5,968.79	6,576.01	6,464.38	111.62	58.912		
3,000.00	2,914.12	2,949.12	2,949.12	15.89	101.26	162.49	524.58	-5,968.79	6,602.72	6,487.27	115.45	57.191		
3,100.00	3,010.14	3,045.14	3,045.14	16.46	104.61	162.57	524.58	-5,968.79	6,629.44	6,510.16	119.28	55.579		
3,200.00	3,106.17	3,141.17	3,141.17	17.03	107.96	162.64	524.58	-5,968.79	6,656.17	6,533.07	123.11	54.068		
3,298.02	3,200.29	3,235.29	3,235.29	17.59	111.25	162.71	524.58	-5,968.79	6,682.38	6,555.52	126.86	52.674		
3,300.00	3,202.19	3,237.19	3,237.19	17.60	111.31	162.71	524.58	-5,968.79	6,682.91	6,555.98	126.94	52.647		
3,400.00	3,298.70	3,333.70	3,333.70	18.16	114.68	162.93	524.58	-5,968.79	6,707.99	6,577.21	130.78	51.293		
3,500.00	3,396.07	3,431.07	3,431.07	18.68	118.08	163.12	524.58	-5,968.79	6,729.83	6,595.19	134.64	49.984		
3,600.00	3,494.17	3,529.17	3,529.17	19.18	121.50	163.28	524.58	-5,968.79	6,748.40	6,609.89	138.52	48.719		
3,700.00	3,592.88	3,627.88	3,627.88	19.64	124.95	163.40	524.58	-5,968.79	6,763.68	6,621.28	142.40	47.497		
3,800.00	3,692.10	3,727.10	3,727.10	20.08	128.41	163.50	524.58	-5,968.79	6,775.65	6,629.36	146.30	46.315		
3,900.00	3,791.69	3,826.69	3,826.69	20.49	131.89	163.57	524.58	-5,968.79	6,784.30	6,634.11	150.19	45.171		
4,000.00	3,891.53	3,926.53	3,926.53	20.88	135.37	163.62	524.58	-5,968.79	6,789.60	6,635.52	154.08	44.065		
4,108.50	4,000.00	4,035.00	4,035.00	21.27	139.16	-82.72	524.58	-5,968.79	6,791.58	6,633.29	158.28	42.908		
4,200.00	4,091.50	4,126.50	4,126.50	21.58	142.35	-82.72	524.58	-5,968.79	6,791.58	6,629.77	161.80	41.974		
4,300.00	4,191.50	4,226.50	4,226.50	21.92	145.84	-82.72	524.58	-5,968.79	6,791.58	6,625.92	165.66	40.997		
4,400.00	4,291.50	4,326.50	4,326.50	22.27	149.33	-82.72	524.58	-5,968.79	6,791.58	6,622.06	169.52	40.064		
4,500.00	4,391.50	4,426.50	4,426.50	22.62	152.82	-82.72	524.58	-5,968.79	6,791.58	6,618.20	173.38	39.172		
4,600.00	4,491.50	4,526.50	4,526.50	22.97	156.31	-82.72	524.58	-5,968.79	6,791.58	6,614.33	177.24	38.318		
4,700.00	4,591.50	4,626.50	4,626.50	23.33	159.80	-82.72	524.58	-5,968.79	6,791.58	6,610.47	181.11	37.500		
4,800.00	4,691.50	4,726.50	4,726.50	23.69	163.29	-82.72	524.58	-5,968.79	6,791.58	6,606.60	184.97	36.716		
4,900.00	4,791.50	4,826.50	4,826.50	24.05	166.78	-82.72	524.58	-5,968.79	6,791.58	6,602.73	188.85	35.964		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	4,926.50	4,926.50	24.42	170.27	-82.72	524.58	-5,968.79	6,791.58	6,598.86	192.72	35.241		
5,100.00	4,991.50	5,026.50	5,026.50	24.78	173.76	-82.72	524.58	-5,968.79	6,791.58	6,594.98	196.59	34.546		
5,200.00	5,091.50	5,126.50	5,126.50	25.15	177.25	-82.72	524.58	-5,968.79	6,791.58	6,591.11	200.47	33.878		
5,300.00	5,191.50	5,226.50	5,226.50	25.53	180.74	-82.72	524.58	-5,968.79	6,791.58	6,587.23	204.35	33.235		
5,400.00	5,291.50	5,326.50	5,326.50	25.90	184.23	-82.72	524.58	-5,968.79	6,791.58	6,583.35	208.23	32.616		
5,500.00	5,391.50	5,426.50	5,426.50	26.28	187.72	-82.72	524.58	-5,968.79	6,791.58	6,579.47	212.11	32.019		
5,600.00	5,491.50	5,526.50	5,526.50	26.65	191.21	-82.72	524.58	-5,968.79	6,791.58	6,575.58	215.99	31.443		
5,700.00	5,591.50	5,626.50	5,626.50	27.03	194.70	-82.72	524.58	-5,968.79	6,791.58	6,571.70	219.88	30.888		
5,800.00	5,691.50	5,726.50	5,726.50	27.41	198.19	-82.72	524.58	-5,968.79	6,791.58	6,567.81	223.76	30.351		
5,900.00	5,791.50	5,826.50	5,826.50	27.80	201.68	-82.72	524.58	-5,968.79	6,791.58	6,563.92	227.65	29.833		
6,000.00	5,891.50	5,926.50	5,926.50	28.18	205.18	-82.72	524.58	-5,968.79	6,791.58	6,560.03	231.54	29.332		
6,100.00	5,991.50	6,026.50	6,026.50	28.57	208.67	-82.72	524.58	-5,968.79	6,791.58	6,556.14	235.43	28.847		
6,200.00	6,091.50	6,126.50	6,126.50	28.96	212.16	-82.72	524.58	-5,968.79	6,791.58	6,552.25	239.32	28.378		
6,300.00	6,191.50	6,226.50	6,226.50	29.35	215.65	-82.72	524.58	-5,968.79	6,791.58	6,548.36	243.22	27.924		
6,400.00	6,291.50	6,326.50	6,326.50	29.74	219.14	-82.72	524.58	-5,968.79	6,791.58	6,544.46	247.11	27.484		
6,500.00	6,391.50	6,426.50	6,426.50	30.13	222.63	-82.72	524.58	-5,968.79	6,791.58	6,540.57	251.01	27.057		
6,600.00	6,491.50	6,526.50	6,526.50	30.52	226.12	-82.72	524.58	-5,968.79	6,791.58	6,536.67	254.90	26.644		
6,639.95	6,531.45	6,566.45	6,566.45	30.68	227.51	-82.72	524.58	-5,968.79	6,791.58	6,535.12	256.46	26.482		
6,650.00	6,541.50	6,576.50	6,576.50	30.72	227.86	9.14	524.58	-5,968.79	6,791.50	6,534.65	256.85	26.442		
6,700.00	6,591.41	6,626.41	6,626.41	30.90	229.61	9.18	524.58	-5,968.79	6,788.78	6,530.00	258.78	26.234		
6,750.00	6,640.95	6,675.95	6,675.95	31.09	231.34	9.28	524.58	-5,968.79	6,782.21	6,521.52	260.69	26.017		
6,800.00	6,689.82	6,724.82	6,724.82	31.29	233.04	9.45	524.58	-5,968.79	6,771.82	6,509.26	262.56	25.792		
6,850.00	6,737.71	6,772.71	6,772.71	31.49	234.71	9.69	524.58	-5,968.79	6,757.67	6,493.30	264.38	25.561		
6,900.00	6,784.33	6,819.33	6,819.33	31.70	236.34	10.01	524.58	-5,968.79	6,739.87	6,473.72	266.14	25.324		
6,950.00	6,829.39	6,864.39	6,864.39	31.92	237.91	10.42	524.58	-5,968.79	6,718.50	6,450.67	267.83	25.085		
7,000.00	6,872.61	6,907.61	6,907.61	32.15	239.42	10.94	524.58	-5,968.79	6,693.72	6,424.27	269.45	24.842		
7,050.00	6,913.73	6,948.73	6,948.73	32.41	240.86	11.58	524.58	-5,968.79	6,665.67	6,394.70	270.97	24.599		
7,100.00	6,952.49	6,987.49	6,987.49	32.68	242.21	12.38	524.58	-5,968.79	6,634.52	6,362.12	272.40	24.356		
7,150.00	6,988.66	7,023.66	7,023.66	32.98	243.47	13.38	524.58	-5,968.79	6,600.48	6,326.75	273.72	24.114		
7,200.00	7,022.01	7,057.01	7,057.01	33.31	244.64	14.64	524.58	-5,968.79	6,563.74	6,288.81	274.94	23.874		
7,250.00	7,052.33	7,087.33	7,087.33	33.67	245.70	16.25	524.58	-5,968.79	6,524.55	6,248.52	276.03	23.637		
7,300.00	7,079.44	7,114.44	7,114.44	34.07	246.64	18.33	524.58	-5,968.79	6,483.13	6,206.13	277.00	23.405		
7,350.00	7,103.17	7,138.17	7,138.17	34.51	247.47	21.11	524.58	-5,968.79	6,439.75	6,161.90	277.85	23.177		
7,400.00	7,123.38	7,158.38	7,158.38	34.98	248.18	24.93	524.58	-5,968.79	6,394.68	6,116.12	278.57	22.956		
7,450.00	7,139.94	7,174.94	7,174.94	35.50	248.75	30.38	524.58	-5,968.79	6,348.20	6,069.04	279.15	22.741		
7,500.00	7,152.75	7,187.75	7,187.75	36.05	249.20	38.54	524.58	-5,968.79	6,300.59	6,020.98	279.61	22.534		
7,550.00	7,161.73	7,203.27	7,196.73	36.64	249.74	51.19	524.58	-5,968.79	6,252.14	5,971.99	280.16	22.317		
7,600.00	7,166.82	7,201.82	7,201.82	37.26	249.69	70.44	524.58	-5,968.79	6,203.17	5,923.05	280.11	22.145		
7,649.14	7,168.00	7,203.00	7,203.00	37.89	249.73	94.64	524.58	-5,968.79	6,154.81	5,874.64	280.17	21.968		
7,700.00	7,167.27	7,202.27	7,202.27	38.57	249.71	94.60	524.58	-5,968.79	6,104.75	5,824.58	280.16	21.790		
7,800.00	7,165.83	7,200.83	7,200.83	40.04	249.66	94.52	524.58	-5,968.79	6,006.35	5,726.20	280.16	21.439		
7,900.00	7,164.38	7,200.62	7,199.38	41.66	249.65	94.45	524.58	-5,968.79	5,908.02	5,627.81	280.21	21.084		
8,000.00	7,162.94	7,202.06	7,197.94	43.40	249.70	94.37	524.58	-5,968.79	5,809.73	5,529.40	280.33	20.724		
8,100.00	7,161.50	7,203.50	7,196.50	45.26	249.75	94.29	524.58	-5,968.79	5,711.51	5,431.04	280.47	20.364		
8,200.00	7,160.05	7,204.95	7,195.05	47.21	249.80	94.22	524.58	-5,968.79	5,613.35	5,332.72	280.63	20.003		
8,300.00	7,158.61	7,206.39	7,193.61	49.26	249.85	94.14	524.58	-5,968.79	5,515.26	5,234.45	280.80	19.641		
8,400.00	7,157.17	7,207.83	7,192.17	51.38	249.90	94.06	524.58	-5,968.79	5,417.23	5,136.23	281.00	19.278		
8,500.00	7,155.73	7,209.28	7,190.73	53.57	249.95	93.99	524.58	-5,968.79	5,319.28	5,038.06	281.22	18.915		
8,600.00	7,154.28	7,189.28	7,189.28	55.82	249.25	93.91	524.58	-5,968.79	5,221.40	4,940.70	280.71	18.601		
8,700.00	7,152.84	7,187.84	7,187.84	58.12	249.20	93.84	524.58	-5,968.79	5,123.61	4,842.74	280.87	18.242		
8,800.00	7,151.40	7,186.40	7,186.40	60.47	249.15	93.76	524.58	-5,968.79	5,025.91	4,744.84	281.06	17.882		
8,900.00	7,149.95	7,184.95	7,184.95	62.86	249.10	93.68	524.58	-5,968.79	4,928.29	4,647.00	281.29	17.521		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	7,183.51	7,183.51	65.28	249.05	93.61	524.58	-5,968.79	4,830.77	4,549.23	281.54	17.158		
9,100.00	7,147.07	7,182.07	7,182.07	67.74	249.00	93.53	524.58	-5,968.79	4,733.36	4,451.53	281.83	16.795		
9,200.00	7,145.62	7,180.62	7,180.62	70.23	248.95	93.45	524.58	-5,968.79	4,636.05	4,353.90	282.15	16.431		
9,300.00	7,144.18	7,179.18	7,179.18	72.74	248.90	93.38	524.58	-5,968.79	4,538.86	4,256.35	282.52	16.066		
9,400.00	7,142.74	7,177.74	7,177.74	75.28	248.85	93.30	524.58	-5,968.79	4,441.80	4,158.88	282.92	15.700		
9,500.00	7,141.29	7,176.29	7,176.29	77.84	248.80	93.22	524.58	-5,968.79	4,344.87	4,061.49	283.38	15.332		
9,600.00	7,139.85	7,174.85	7,174.85	80.42	248.75	93.15	524.58	-5,968.79	4,248.08	3,964.20	283.88	14.964		
9,700.00	7,138.41	7,173.41	7,173.41	83.01	248.70	93.07	524.58	-5,968.79	4,151.44	3,867.00	284.44	14.595		
9,800.00	7,136.97	7,171.97	7,171.97	85.62	248.65	93.00	524.58	-5,968.79	4,054.96	3,769.91	285.06	14.225		
9,900.00	7,135.52	7,170.52	7,170.52	88.25	248.60	92.92	524.58	-5,968.79	3,958.66	3,672.93	285.74	13.854		
10,000.00	7,134.08	7,169.08	7,169.08	90.89	248.55	92.84	524.58	-5,968.79	3,862.55	3,576.07	286.48	13.483		
10,100.00	7,132.64	7,167.64	7,167.64	93.54	248.50	92.77	524.58	-5,968.79	3,766.64	3,479.34	287.30	13.110		
10,200.00	7,131.19	7,166.19	7,166.19	96.20	248.45	92.69	524.58	-5,968.79	3,670.94	3,382.75	288.20	12.738		
10,300.00	7,129.75	7,164.75	7,164.75	98.87	248.40	92.61	524.58	-5,968.79	3,575.48	3,286.31	289.18	12.364		
10,400.00	7,128.31	7,163.31	7,163.31	101.55	248.35	92.54	524.58	-5,968.79	3,480.28	3,190.03	290.25	11.991		
10,500.00	7,126.86	7,161.86	7,161.86	104.24	248.30	92.46	524.58	-5,968.79	3,385.35	3,093.93	291.42	11.617		
10,600.00	7,125.42	7,160.42	7,160.42	106.94	248.25	92.38	524.58	-5,968.79	3,290.72	2,998.03	292.70	11.243		
10,700.00	7,123.98	7,158.98	7,158.98	109.64	248.20	92.31	524.58	-5,968.79	3,196.42	2,902.33	294.09	10.869		
10,800.00	7,122.53	7,157.53	7,157.53	112.36	248.15	92.23	524.58	-5,968.79	3,102.47	2,806.87	295.60	10.496		
10,900.00	7,121.09	7,156.09	7,156.09	115.08	248.10	92.15	524.58	-5,968.79	3,008.92	2,711.67	297.25	10.123		
11,000.00	7,119.65	7,154.65	7,154.65	117.80	248.05	92.08	524.58	-5,968.79	2,915.79	2,616.75	299.04	9.751		
11,100.00	7,118.20	7,153.20	7,153.20	120.53	248.00	92.00	524.58	-5,968.79	2,823.13	2,522.14	300.98	9.380		
11,200.00	7,116.76	7,151.76	7,151.76	123.26	247.94	91.92	524.58	-5,968.79	2,730.98	2,427.88	303.10	9.010		
11,300.00	7,115.32	7,150.32	7,150.32	126.00	247.89	91.85	524.58	-5,968.79	2,639.41	2,334.01	305.40	8.643		
11,400.00	7,113.88	7,148.88	7,148.88	128.75	247.84	91.77	524.58	-5,968.79	2,548.47	2,240.57	307.90	8.277		
11,500.00	7,112.43	7,147.43	7,147.43	131.50	247.79	91.69	524.58	-5,968.79	2,458.23	2,147.62	310.61	7.914		
11,600.00	7,110.99	7,145.99	7,145.99	134.25	247.74	91.62	524.58	-5,968.79	2,368.78	2,055.21	313.57	7.554		
11,700.00	7,109.55	7,144.55	7,144.55	137.01	247.69	91.54	524.58	-5,968.79	2,280.20	1,963.43	316.77	7.198		
11,800.00	7,108.10	7,143.10	7,143.10	139.77	247.64	91.46	524.58	-5,968.79	2,192.61	1,872.35	320.26	6.846		
11,900.00	7,106.66	7,141.66	7,141.66	142.53	247.59	91.39	524.58	-5,968.79	2,106.11	1,782.06	324.05	6.499		
12,000.00	7,105.22	7,140.22	7,140.22	145.30	247.54	91.31	524.58	-5,968.79	2,020.87	1,692.70	328.17	6.158		
12,100.00	7,103.77	7,138.77	7,138.77	148.06	247.49	91.23	524.58	-5,968.79	1,937.03	1,604.39	332.64	5.823		
12,200.00	7,102.33	7,137.33	7,137.33	150.84	247.44	91.16	524.58	-5,968.79	1,854.80	1,517.30	337.50	5.496		
12,300.00	7,100.89	7,135.89	7,135.89	153.61	247.39	91.08	524.58	-5,968.79	1,774.39	1,431.63	342.76	5.177		
12,400.00	7,099.44	7,134.44	7,134.44	156.39	247.34	91.00	524.58	-5,968.79	1,696.06	1,347.61	348.45	4.867		
12,500.00	7,098.00	7,133.00	7,133.00	159.17	247.29	90.93	524.58	-5,968.79	1,620.12	1,265.53	354.59	4.569		
12,600.00	7,096.56	7,131.56	7,131.56	161.95	247.24	90.85	524.58	-5,968.79	1,546.92	1,185.73	361.20	4.283		
12,700.00	7,095.12	7,130.12	7,130.12	164.73	247.19	90.77	524.58	-5,968.79	1,476.87	1,108.61	368.26	4.010		
12,800.00	7,093.67	7,128.67	7,128.67	167.52	247.14	90.70	524.58	-5,968.79	1,410.42	1,034.68	375.75	3.754		
12,900.00	7,092.23	7,127.23	7,127.23	170.31	247.09	90.62	524.58	-5,968.79	1,348.13	964.51	383.61	3.514		
13,000.00	7,090.79	7,125.79	7,125.79	173.09	247.04	90.54	524.58	-5,968.79	1,290.58	898.81	391.77	3.294		
13,100.00	7,089.34	7,124.34	7,124.34	175.89	246.99	90.47	524.58	-5,968.79	1,238.44	838.37	400.07	3.096		
13,200.00	7,087.90	7,122.90	7,122.90	178.68	246.94	90.39	524.58	-5,968.79	1,192.43	784.09	408.34	2.920		
13,300.00	7,086.46	7,121.46	7,121.46	181.47	246.89	90.31	524.58	-5,968.79	1,153.26	736.96	416.31	2.770		
13,400.00	7,085.01	7,120.01	7,120.01	184.27	246.84	90.24	524.58	-5,968.79	1,121.67	697.98	423.70	2.647		
13,500.00	7,083.57	7,118.57	7,118.57	187.07	246.79	90.16	524.58	-5,968.79	1,098.31	668.12	430.19	2.553		
13,600.00	7,082.13	7,117.13	7,117.13	189.86	246.74	90.08	524.58	-5,968.79	1,083.70	648.22	435.48	2.489		
13,700.00	7,080.68	7,115.68	7,115.68	192.66	246.69	90.01	524.58	-5,968.79	1,078.20	638.88	439.32	2.454		
13,709.41	7,080.55	7,115.55	7,115.55	192.93	246.68	90.00	524.58	-5,968.79	1,078.16	638.56	439.60	2.453 CC, ES		
13,800.00	7,079.24	7,114.24	7,114.24	195.47	246.63	89.93	524.58	-5,968.79	1,081.96	640.39	441.57	2.450 SF		
13,900.00	7,077.80	7,112.80	7,112.80	198.27	246.58	89.85	524.58	-5,968.79	1,094.88	652.67	442.21	2.476		
14,000.00	7,076.36	7,111.36	7,111.36	201.07	246.53	89.78	524.58	-5,968.79	1,116.63	675.31	441.32	2.530		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,074.91	7,109.91	7,109.91	203.88	246.48	89.70	524.58	-5,968.79	1,146.72	707.63	439.09	2.612	
14,200.00	7,073.47	7,108.47	7,108.47	206.68	246.43	89.62	524.58	-5,968.79	1,184.51	748.74	435.78	2.718	
14,300.00	7,072.03	7,107.03	7,107.03	209.49	246.38	89.55	524.58	-5,968.79	1,229.29	797.65	431.64	2.848	
14,400.00	7,070.58	7,105.58	7,105.58	212.30	246.33	89.47	524.58	-5,968.79	1,280.33	853.39	426.94	2.999	
14,500.00	7,069.14	7,104.14	7,104.14	215.11	246.28	89.39	524.58	-5,968.79	1,336.91	915.02	421.90	3.169	
14,600.00	7,067.70	7,102.70	7,102.70	217.92	246.23	89.32	524.58	-5,968.79	1,398.36	981.67	416.69	3.356	
14,700.00	7,066.25	7,101.25	7,101.25	220.73	246.18	89.24	524.58	-5,968.79	1,464.07	1,052.60	411.47	3.558	
14,800.00	7,064.81	7,100.19	7,099.81	223.54	246.14	89.16	524.58	-5,968.79	1,533.49	1,127.14	406.34	3.774	
14,900.00	7,063.37	7,101.63	7,098.37	226.35	246.19	89.09	524.58	-5,968.79	1,606.13	1,204.68	401.45	4.001	
15,000.00	7,061.92	7,103.08	7,096.92	229.16	246.25	89.01	524.58	-5,968.79	1,681.58	1,284.82	396.76	4.238	
15,100.00	7,060.48	7,104.52	7,095.48	231.98	246.30	88.93	524.58	-5,968.79	1,759.48	1,367.19	392.30	4.485	
15,200.00	7,059.04	7,105.96	7,094.04	234.79	246.35	88.86	524.58	-5,968.79	1,839.52	1,451.45	388.07	4.740	
15,300.00	7,057.60	7,107.40	7,092.60	237.61	246.40	88.78	524.58	-5,968.79	1,921.43	1,537.35	384.08	5.003	
15,400.00	7,056.15	7,108.85	7,091.15	240.42	246.45	88.70	524.58	-5,968.79	2,004.98	1,624.65	380.33	5.272	
15,500.00	7,054.71	7,089.71	7,089.71	243.24	245.78	88.63	524.58	-5,968.79	2,089.97	1,713.88	376.09	5.557	
15,600.00	7,053.27	7,088.27	7,088.27	246.05	245.73	88.55	524.58	-5,968.79	2,176.24	1,803.55	372.69	5.839	
15,687.75	7,052.00	7,087.00	7,087.00	248.53	245.68	88.48	524.58	-5,968.79	2,252.88	1,883.00	369.88	6.091	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 - ROTHE #1-14 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-96.86	-1,031.66	-8,579.04	8,640.84					
100.00	100.00	133.00	133.00	3.28	4.38	-96.86	-1,031.66	-8,579.04	8,640.84	8,633.18	7.66	1,127.866		
200.00	200.00	233.00	233.00	3.34	7.18	-96.86	-1,031.66	-8,579.04	8,640.84	8,630.33	10.52	821.499		
300.00	300.00	333.00	333.00	3.44	10.41	-96.86	-1,031.66	-8,579.04	8,640.84	8,626.99	13.85	623.676		
400.00	399.98	432.98	432.98	3.60	13.77	149.48	-1,031.66	-8,579.04	8,642.35	8,624.98	17.36	497.703		
500.00	499.84	532.84	532.84	3.79	17.17	149.45	-1,031.66	-8,579.04	8,646.86	8,625.89	20.97	412.430		
600.00	599.45	632.45	632.45	4.03	20.60	149.41	-1,031.66	-8,579.04	8,654.37	8,629.74	24.63	351.418		
700.00	698.70	731.70	731.70	4.30	24.02	149.34	-1,031.66	-8,579.04	8,664.88	8,636.55	28.33	305.884		
800.00	797.47	830.47	830.47	4.61	27.44	149.25	-1,031.66	-8,579.04	8,678.37	8,646.32	32.05	270.758		
900.00	895.62	928.62	928.62	4.96	30.85	149.15	-1,031.66	-8,579.04	8,694.84	8,659.05	35.79	242.936		
1,000.00	993.06	1,026.06	1,026.06	5.34	34.23	149.02	-1,031.66	-8,579.04	8,714.27	8,674.73	39.53	220.424		
1,100.00	1,089.64	1,122.64	1,122.64	5.75	37.59	148.87	-1,031.66	-8,579.04	8,736.64	8,693.36	43.28	201.884		
1,110.48	1,099.71	1,132.71	1,132.71	5.80	37.94	148.85	-1,031.66	-8,579.04	8,739.15	8,695.48	43.67	200.111		
1,200.00	1,185.67	1,218.67	1,218.67	6.20	40.93	148.94	-1,031.66	-8,579.04	8,760.77	8,713.76	47.02	186.331		
1,300.00	1,281.70	1,314.70	1,314.70	6.67	44.27	149.03	-1,031.66	-8,579.04	8,784.95	8,734.18	50.77	173.028		
1,400.00	1,377.72	1,410.72	1,410.72	7.16	47.62	149.12	-1,031.66	-8,579.04	8,809.15	8,754.61	54.54	161.513		
1,500.00	1,473.75	1,506.75	1,506.75	7.66	50.96	149.21	-1,031.66	-8,579.04	8,833.37	8,775.04	58.32	151.455		
1,600.00	1,569.77	1,602.77	1,602.77	8.17	54.31	149.30	-1,031.66	-8,579.04	8,857.61	8,795.49	62.12	142.599		
1,700.00	1,665.80	1,701.20	1,698.80	8.69	57.74	149.40	-1,031.66	-8,579.04	8,881.87	8,815.87	66.00	134.573		
1,800.00	1,761.82	1,805.18	1,794.82	9.22	61.36	149.49	-1,031.66	-8,579.04	8,906.15	8,836.07	70.09	127.076		
1,900.00	1,857.85	1,909.15	1,898.85	9.76	64.99	149.58	-1,031.66	-8,579.04	8,930.46	8,856.28	74.18	120.395		
2,000.00	1,953.87	1,986.87	1,986.87	10.30	67.70	149.67	-1,031.66	-8,579.04	8,954.78	8,877.43	77.36	115.759		
2,100.00	2,049.90	2,082.90	2,082.90	10.84	71.04	149.75	-1,031.66	-8,579.04	8,979.13	8,897.95	81.18	110.607		
2,200.00	2,145.92	2,178.92	2,178.92	11.39	74.39	149.84	-1,031.66	-8,579.04	9,003.50	8,918.49	85.01	105.914		
2,300.00	2,241.94	2,274.94	2,274.94	11.95	77.74	149.93	-1,031.66	-8,579.04	9,027.89	8,939.05	88.84	101.622		
2,400.00	2,337.97	2,370.97	2,370.97	12.50	81.09	150.02	-1,031.66	-8,579.04	9,052.29	8,959.62	92.67	97.682		
2,500.00	2,433.99	2,466.99	2,466.99	13.06	84.44	150.11	-1,031.66	-8,579.04	9,076.72	8,980.22	96.51	94.053		
2,600.00	2,530.02	2,563.02	2,563.02	13.63	87.79	150.19	-1,031.66	-8,579.04	9,101.17	9,000.83	100.34	90.700		
2,700.00	2,626.04	2,659.04	2,659.04	14.19	91.14	150.28	-1,031.66	-8,579.04	9,125.64	9,021.46	104.18	87.592		
2,800.00	2,722.07	2,755.07	2,755.07	14.76	94.49	150.36	-1,031.66	-8,579.04	9,150.13	9,042.10	108.02	84.705		
2,900.00	2,818.09	2,851.09	2,851.09	15.32	97.84	150.45	-1,031.66	-8,579.04	9,174.64	9,062.77	111.87	82.014		
3,000.00	2,914.12	2,947.12	2,947.12	15.89	101.19	150.54	-1,031.66	-8,579.04	9,199.16	9,083.45	115.71	79.502		
3,100.00	3,010.14	3,043.14	3,043.14	16.46	104.54	150.62	-1,031.66	-8,579.04	9,223.71	9,104.16	119.55	77.151		
3,200.00	3,106.17	3,139.17	3,139.17	17.03	107.89	150.70	-1,031.66	-8,579.04	9,248.28	9,124.88	123.40	74.945		
3,298.02	3,200.29	3,233.29	3,233.29	17.59	111.18	150.79	-1,031.66	-8,579.04	9,272.37	9,145.20	127.17	72.913		
3,300.00	3,202.19	3,235.19	3,235.19	17.60	111.24	150.79	-1,031.66	-8,579.04	9,272.86	9,145.61	127.25	72.873		
3,400.00	3,298.70	3,331.70	3,331.70	18.16	114.61	151.10	-1,031.66	-8,579.04	9,295.92	9,164.82	131.10	70.906		
3,500.00	3,396.07	3,429.07	3,429.07	18.68	118.01	151.36	-1,031.66	-8,579.04	9,316.02	9,181.04	134.97	69.021		
3,600.00	3,494.17	3,527.17	3,527.17	19.18	121.43	151.59	-1,031.66	-8,579.04	9,333.11	9,194.25	138.86	67.214		
3,700.00	3,592.88	3,625.88	3,625.88	19.64	124.88	151.77	-1,031.66	-8,579.04	9,347.18	9,204.43	142.75	65.480		
3,800.00	3,692.10	3,725.10	3,725.10	20.08	128.34	151.91	-1,031.66	-8,579.04	9,358.20	9,211.56	146.64	63.817		
3,900.00	3,791.69	3,824.69	3,824.69	20.49	131.82	152.01	-1,031.66	-8,579.04	9,366.16	9,215.62	150.54	62.219		
4,000.00	3,891.53	3,924.53	3,924.53	20.88	135.30	152.07	-1,031.66	-8,579.04	9,371.05	9,216.62	154.42	60.684		
4,108.50	4,000.00	4,033.00	4,033.00	21.27	139.09	-94.25	-1,031.66	-8,579.04	9,372.86	9,214.24	158.62	59.091		
4,200.00	4,091.50	4,124.50	4,124.50	21.58	142.28	-94.25	-1,031.66	-8,579.04	9,372.86	9,210.73	162.14	57.809		
4,300.00	4,191.50	4,224.50	4,224.50	21.92	145.77	-94.25	-1,031.66	-8,579.04	9,372.86	9,206.88	165.98	56.468		
4,400.00	4,291.50	4,324.50	4,324.50	22.27	149.26	-94.25	-1,031.66	-8,579.04	9,372.86	9,203.03	169.84	55.188		
4,500.00	4,391.50	4,424.50	4,424.50	22.62	152.75	-94.25	-1,031.66	-8,579.04	9,372.86	9,199.17	173.69	53.963		
4,600.00	4,491.50	4,524.50	4,524.50	22.97	156.24	-94.25	-1,031.66	-8,579.04	9,372.86	9,195.31	177.55	52.790		
4,700.00	4,591.50	4,624.50	4,624.50	23.33	159.73	-94.25	-1,031.66	-8,579.04	9,372.86	9,191.45	181.41	51.667		
4,800.00	4,691.50	4,724.50	4,724.50	23.69	163.22	-94.25	-1,031.66	-8,579.04	9,372.86	9,187.59	185.27	50.590		
4,900.00	4,791.50	4,824.50	4,824.50	24.05	166.71	-94.25	-1,031.66	-8,579.04	9,372.86	9,183.72	189.14	49.556		

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 13C-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 13C-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		
5,000.00	4,891.50	4,924.50	4,924.50	24.42	170.20	-94.25	-1,031.66	-8,579.04	9,372.86	9,179.86	193.01	48.563		
5,100.00	4,991.50	5,024.50	5,024.50	24.78	173.69	-94.25	-1,031.66	-8,579.04	9,372.86	9,175.99	196.88	47.608		
5,200.00	5,091.50	5,124.50	5,124.50	25.15	177.18	-94.25	-1,031.66	-8,579.04	9,372.86	9,172.11	200.75	46.690		
5,300.00	5,191.50	5,224.50	5,224.50	25.53	180.67	-94.25	-1,031.66	-8,579.04	9,372.86	9,168.24	204.62	45.806		
5,400.00	5,291.50	5,324.50	5,324.50	25.90	184.16	-94.25	-1,031.66	-8,579.04	9,372.86	9,164.36	208.50	44.954		
5,500.00	5,391.50	5,424.50	5,424.50	26.28	187.65	-94.25	-1,031.66	-8,579.04	9,372.86	9,160.49	212.38	44.134		
5,600.00	5,491.50	5,524.50	5,524.50	26.65	191.14	-94.25	-1,031.66	-8,579.04	9,372.86	9,156.61	216.25	43.342		
5,700.00	5,591.50	5,624.50	5,624.50	27.03	194.63	-94.25	-1,031.66	-8,579.04	9,372.86	9,152.73	220.14	42.578		
5,800.00	5,691.50	5,724.50	5,724.50	27.41	198.12	-94.25	-1,031.66	-8,579.04	9,372.86	9,148.84	224.02	41.840		
5,900.00	5,791.50	5,824.50	5,824.50	27.80	201.61	-94.25	-1,031.66	-8,579.04	9,372.86	9,144.96	227.90	41.127		
6,000.00	5,891.50	5,924.50	5,924.50	28.18	205.11	-94.25	-1,031.66	-8,579.04	9,372.86	9,141.07	231.79	40.437		
6,100.00	5,991.50	6,024.50	6,024.50	28.57	208.60	-94.25	-1,031.66	-8,579.04	9,372.86	9,137.19	235.67	39.770		
6,200.00	6,091.50	6,124.50	6,124.50	28.96	212.09	-94.25	-1,031.66	-8,579.04	9,372.86	9,133.30	239.56	39.125		
6,300.00	6,191.50	6,224.50	6,224.50	29.35	215.58	-94.25	-1,031.66	-8,579.04	9,372.86	9,129.41	243.45	38.500		
6,400.00	6,291.50	6,324.50	6,324.50	29.74	219.07	-94.25	-1,031.66	-8,579.04	9,372.86	9,125.52	247.34	37.894		
6,500.00	6,391.50	6,424.50	6,424.50	30.13	222.56	-94.25	-1,031.66	-8,579.04	9,372.86	9,121.63	251.23	37.307		
6,600.00	6,491.50	6,524.50	6,524.50	30.52	226.05	-94.25	-1,031.66	-8,579.04	9,372.86	9,117.73	255.13	36.738		
6,639.95	6,531.45	6,564.45	6,564.45	30.68	227.44	-94.25	-1,031.66	-8,579.04	9,372.86	9,116.18	256.68	36.515		
6,650.00	6,541.50	6,574.50	6,574.50	30.72	227.79	-2.40	-1,031.66	-8,579.04	9,372.86	9,115.71	257.07	36.460		
6,700.00	6,591.41	6,624.41	6,624.41	30.90	229.54	-2.41	-1,031.66	-8,579.04	9,370.03	9,111.03	259.00	36.178		
6,750.00	6,640.95	6,673.95	6,673.95	31.09	231.27	-2.44	-1,031.66	-8,579.04	9,363.38	9,102.47	260.91	35.888		
6,800.00	6,689.82	6,722.82	6,722.82	31.29	232.97	-2.49	-1,031.66	-8,579.04	9,352.87	9,090.09	262.78	35.592		
6,850.00	6,737.71	6,770.71	6,770.71	31.49	234.64	-2.55	-1,031.66	-8,579.04	9,338.55	9,073.95	264.60	35.292		
6,900.00	6,784.33	6,817.33	6,817.33	31.70	236.27	-2.63	-1,031.66	-8,579.04	9,320.53	9,054.16	266.37	34.991		
6,950.00	6,829.39	6,862.39	6,862.39	31.92	237.84	-2.74	-1,031.66	-8,579.04	9,298.91	9,030.83	268.07	34.688		
7,000.00	6,872.61	6,905.61	6,905.61	32.15	239.35	-2.88	-1,031.66	-8,579.04	9,273.82	9,004.12	269.69	34.386		
7,050.00	6,913.73	6,946.73	6,946.73	32.41	240.79	-3.05	-1,031.66	-8,579.04	9,245.42	8,974.19	271.23	34.087		
7,100.00	6,952.49	6,985.49	6,985.49	32.68	242.14	-3.26	-1,031.66	-8,579.04	9,213.89	8,941.22	272.67	33.792		
7,150.00	6,988.66	7,021.66	7,021.66	32.98	243.40	-3.52	-1,031.66	-8,579.04	9,179.41	8,905.41	274.00	33.501		
7,200.00	7,022.01	7,055.01	7,055.01	33.31	244.57	-3.86	-1,031.66	-8,579.04	9,142.21	8,866.98	275.23	33.217		
7,250.00	7,052.33	7,085.33	7,085.33	33.67	245.63	-4.30	-1,031.66	-8,579.04	9,102.50	8,826.17	276.33	32.940		
7,300.00	7,079.44	7,112.44	7,112.44	34.07	246.57	-4.87	-1,031.66	-8,579.04	9,060.55	8,783.23	277.32	32.672		
7,350.00	7,103.17	7,136.17	7,136.17	34.51	247.40	-5.66	-1,031.66	-8,579.04	9,016.60	8,738.42	278.17	32.413		
7,400.00	7,123.38	7,156.38	7,156.38	34.98	248.11	-6.79	-1,031.66	-8,579.04	8,970.92	8,692.02	278.90	32.165		
7,450.00	7,139.94	7,172.94	7,172.94	35.50	248.68	-8.53	-1,031.66	-8,579.04	8,923.80	8,644.31	279.49	31.929		
7,500.00	7,152.75	7,185.75	7,185.75	36.05	249.13	-11.49	-1,031.66	-8,579.04	8,875.53	8,595.58	279.95	31.704		
7,550.00	7,161.73	7,205.27	7,194.73	36.64	249.81	-17.56	-1,031.66	-8,579.04	8,826.40	8,545.76	280.64	31.451		
7,600.00	7,166.82	7,200.18	7,199.82	37.26	249.63	-35.55	-1,031.66	-8,579.04	8,776.72	8,496.26	280.47	31.293		
7,649.14	7,168.00	7,201.00	7,201.00	37.89	249.66	-107.76	-1,031.66	-8,579.04	8,727.66	8,447.16	280.50	31.114		
7,700.00	7,167.27	7,200.27	7,200.27	38.57	249.64	-107.66	-1,031.66	-8,579.04	8,676.86	8,396.37	280.49	30.935		
7,800.00	7,165.83	7,201.17	7,198.83	40.04	249.67	-107.47	-1,031.66	-8,579.04	8,576.97	8,296.44	280.54	30.573		
7,900.00	7,164.38	7,202.62	7,197.38	41.66	249.72	-107.28	-1,031.66	-8,579.04	8,477.09	8,196.48	280.61	30.210		
8,000.00	7,162.94	7,204.06	7,195.94	43.40	249.77	-107.08	-1,031.66	-8,579.04	8,377.21	8,096.53	280.68	29.846		
8,100.00	7,161.50	7,205.50	7,194.50	45.26	249.82	-106.89	-1,031.66	-8,579.04	8,277.33	7,996.57	280.76	29.482		
8,200.00	7,160.05	7,206.95	7,193.05	47.21	249.87	-106.70	-1,031.66	-8,579.04	8,177.45	7,896.62	280.83	29.118		
8,300.00	7,158.61	7,208.39	7,191.61	49.26	249.92	-106.51	-1,031.66	-8,579.04	8,077.58	7,796.67	280.91	28.755		
8,400.00	7,157.17	7,209.83	7,190.17	51.38	249.97	-106.31	-1,031.66	-8,579.04	7,977.71	7,696.71	281.00	28.391		
8,500.00	7,155.73	7,188.73	7,188.73	53.57	249.23	-106.12	-1,031.66	-8,579.04	7,877.84	7,597.55	280.29	28.106		
8,600.00	7,154.28	7,187.28	7,187.28	55.82	249.18	-105.92	-1,031.66	-8,579.04	7,777.98	7,497.70	280.28	27.751		
8,700.00	7,152.84	7,185.84	7,185.84	58.12	249.13	-105.73	-1,031.66	-8,579.04	7,678.12	7,397.85	280.27	27.395		
8,800.00	7,151.40	7,184.40	7,184.40	60.47	249.08	-105.53	-1,031.66	-8,579.04	7,578.26	7,298.00	280.26	27.040		
8,900.00	7,149.95	7,182.95	7,182.95	62.86	249.03	-105.34	-1,031.66	-8,579.04	7,478.41	7,198.15	280.26	26.684		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	7,181.51	7,181.51	65.28	248.98	-105.14	-1,031.66	-8,579.04	7,378.56	7,098.31	280.26	26.328		
9,100.00	7,147.07	7,180.07	7,180.07	67.74	248.93	-104.95	-1,031.66	-8,579.04	7,278.72	6,998.46	280.26	25.972		
9,200.00	7,145.62	7,178.62	7,178.62	70.23	248.88	-104.75	-1,031.66	-8,579.04	7,178.87	6,898.61	280.26	25.615		
9,300.00	7,144.18	7,177.18	7,177.18	72.74	248.83	-104.55	-1,031.66	-8,579.04	7,079.04	6,798.77	280.27	25.258		
9,400.00	7,142.74	7,175.74	7,175.74	75.28	248.78	-104.35	-1,031.66	-8,579.04	6,979.20	6,698.92	280.28	24.901		
9,500.00	7,141.29	7,174.29	7,174.29	77.84	248.73	-104.16	-1,031.66	-8,579.04	6,879.37	6,599.08	280.29	24.543		
9,600.00	7,139.85	7,172.85	7,172.85	80.42	248.68	-103.96	-1,031.66	-8,579.04	6,779.55	6,499.24	280.31	24.186		
9,700.00	7,138.41	7,171.41	7,171.41	83.01	248.63	-103.76	-1,031.66	-8,579.04	6,679.73	6,399.40	280.33	23.828		
9,800.00	7,136.97	7,169.97	7,169.97	85.62	248.58	-103.56	-1,031.66	-8,579.04	6,579.92	6,299.56	280.36	23.470		
9,900.00	7,135.52	7,168.52	7,168.52	88.25	248.53	-103.36	-1,031.66	-8,579.04	6,480.11	6,199.72	280.39	23.111		
10,000.00	7,134.08	7,167.08	7,167.08	90.89	248.48	-103.16	-1,031.66	-8,579.04	6,380.31	6,099.88	280.42	22.752		
10,100.00	7,132.64	7,165.64	7,165.64	93.54	248.43	-102.96	-1,031.66	-8,579.04	6,280.51	6,000.05	280.46	22.393		
10,200.00	7,131.19	7,164.19	7,164.19	96.20	248.38	-102.76	-1,031.66	-8,579.04	6,180.72	5,900.21	280.51	22.034		
10,300.00	7,129.75	7,162.75	7,162.75	98.87	248.33	-102.56	-1,031.66	-8,579.04	6,080.93	5,800.38	280.56	21.674		
10,400.00	7,128.31	7,161.31	7,161.31	101.55	248.28	-102.36	-1,031.66	-8,579.04	5,981.16	5,700.55	280.61	21.315		
10,500.00	7,126.86	7,159.86	7,159.86	104.24	248.23	-102.16	-1,031.66	-8,579.04	5,881.39	5,600.71	280.67	20.955		
10,600.00	7,125.42	7,158.42	7,158.42	106.94	248.18	-101.96	-1,031.66	-8,579.04	5,781.63	5,500.89	280.74	20.594		
10,700.00	7,123.98	7,156.98	7,156.98	109.64	248.13	-101.76	-1,031.66	-8,579.04	5,681.87	5,401.06	280.81	20.234		
10,800.00	7,122.53	7,155.53	7,155.53	112.36	248.08	-101.56	-1,031.66	-8,579.04	5,582.13	5,301.23	280.89	19.873		
10,900.00	7,121.09	7,154.09	7,154.09	115.08	248.03	-101.36	-1,031.66	-8,579.04	5,482.39	5,201.41	280.98	19.512		
11,000.00	7,119.65	7,152.65	7,152.65	117.80	247.98	-101.15	-1,031.66	-8,579.04	5,382.66	5,101.58	281.08	19.150		
11,100.00	7,118.20	7,151.20	7,151.20	120.53	247.93	-100.95	-1,031.66	-8,579.04	5,282.94	5,001.76	281.18	18.788		
11,200.00	7,116.76	7,149.76	7,149.76	123.26	247.87	-100.75	-1,031.66	-8,579.04	5,183.24	4,901.94	281.29	18.426		
11,300.00	7,115.32	7,148.32	7,148.32	126.00	247.82	-100.54	-1,031.66	-8,579.04	5,083.54	4,802.12	281.41	18.064		
11,400.00	7,113.88	7,146.88	7,146.88	128.75	247.77	-100.34	-1,031.66	-8,579.04	4,983.85	4,702.31	281.55	17.702		
11,500.00	7,112.43	7,145.43	7,145.43	131.50	247.72	-100.14	-1,031.66	-8,579.04	4,884.18	4,602.49	281.69	17.339		
11,600.00	7,110.99	7,143.99	7,143.99	134.25	247.67	-99.93	-1,031.66	-8,579.04	4,784.52	4,502.68	281.84	16.976		
11,700.00	7,109.55	7,142.55	7,142.55	137.01	247.62	-99.73	-1,031.66	-8,579.04	4,684.88	4,402.87	282.01	16.612		
11,800.00	7,108.10	7,141.10	7,141.10	139.77	247.57	-99.52	-1,031.66	-8,579.04	4,585.25	4,303.06	282.19	16.249		
11,900.00	7,106.66	7,139.66	7,139.66	142.53	247.52	-99.32	-1,031.66	-8,579.04	4,485.64	4,203.25	282.39	15.885		
12,000.00	7,105.22	7,138.22	7,138.22	145.30	247.47	-99.11	-1,031.66	-8,579.04	4,386.04	4,103.44	282.60	15.520		
12,100.00	7,103.77	7,136.77	7,136.77	148.06	247.42	-98.91	-1,031.66	-8,579.04	4,286.46	4,003.63	282.83	15.156		
12,200.00	7,102.33	7,135.33	7,135.33	150.84	247.37	-98.70	-1,031.66	-8,579.04	4,186.90	3,903.82	283.08	14.791		
12,300.00	7,100.89	7,133.89	7,133.89	153.61	247.32	-98.50	-1,031.66	-8,579.04	4,087.37	3,804.02	283.35	14.425		
12,400.00	7,099.44	7,132.44	7,132.44	156.39	247.27	-98.29	-1,031.66	-8,579.04	3,987.85	3,704.21	283.64	14.060		
12,500.00	7,098.00	7,131.00	7,131.00	159.17	247.22	-98.09	-1,031.66	-8,579.04	3,888.36	3,604.41	283.95	13.694		
12,600.00	7,096.56	7,129.56	7,129.56	161.95	247.17	-97.88	-1,031.66	-8,579.04	3,788.90	3,504.60	284.30	13.327		
12,700.00	7,095.12	7,128.12	7,128.12	164.73	247.12	-97.67	-1,031.66	-8,579.04	3,689.46	3,404.79	284.67	12.961		
12,800.00	7,093.67	7,126.67	7,126.67	167.52	247.07	-97.47	-1,031.66	-8,579.04	3,590.05	3,304.98	285.07	12.594		
12,900.00	7,092.23	7,125.23	7,125.23	170.31	247.02	-97.26	-1,031.66	-8,579.04	3,490.68	3,205.17	285.51	12.226		
13,000.00	7,090.79	7,123.79	7,123.79	173.09	246.97	-97.05	-1,031.66	-8,579.04	3,391.35	3,105.36	285.99	11.858		
13,100.00	7,089.34	7,122.34	7,122.34	175.89	246.92	-96.85	-1,031.66	-8,579.04	3,292.05	3,005.55	286.51	11.490		
13,200.00	7,087.90	7,120.90	7,120.90	178.68	246.87	-96.64	-1,031.66	-8,579.04	3,192.80	2,905.72	287.07	11.122		
13,300.00	7,086.46	7,119.46	7,119.46	181.47	246.82	-96.43	-1,031.66	-8,579.04	3,093.59	2,805.90	287.69	10.753		
13,400.00	7,085.01	7,118.01	7,118.01	184.27	246.77	-96.22	-1,031.66	-8,579.04	2,994.44	2,706.07	288.38	10.384		
13,500.00	7,083.57	7,116.57	7,116.57	187.07	246.72	-96.01	-1,031.66	-8,579.04	2,895.35	2,606.22	289.12	10.014		
13,600.00	7,082.13	7,115.13	7,115.13	189.86	246.67	-95.81	-1,031.66	-8,579.04	2,796.31	2,506.37	289.94	9.644		
13,700.00	7,080.68	7,113.68	7,113.68	192.66	246.62	-95.60	-1,031.66	-8,579.04	2,697.35	2,406.51	290.84	9.274		
13,800.00	7,079.24	7,112.24	7,112.24	195.47	246.57	-95.39	-1,031.66	-8,579.04	2,598.47	2,306.63	291.84	8.904		
13,900.00	7,077.80	7,110.80	7,110.80	198.27	246.51	-95.18	-1,031.66	-8,579.04	2,499.68	2,206.74	292.94	8.533		
14,000.00	7,076.36	7,109.36	7,109.36	201.07	246.46	-94.97	-1,031.66	-8,579.04	2,400.98	2,106.82	294.16	8.162		
14,100.00	7,074.91	7,107.91	7,107.91	203.88	246.41	-94.76	-1,031.66	-8,579.04	2,302.40	2,006.89	295.51	7.791		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 - ROTHE #1-14 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
14,200.00	7,073.47	7,106.47	7,106.47	206.68	246.36	-94.55	-1,031.66	-8,579.04	2,203.94	1,906.92	297.02	7.420		
14,300.00	7,072.03	7,105.03	7,105.03	209.49	246.31	-94.34	-1,031.66	-8,579.04	2,105.63	1,806.92	298.71	7.049		
14,400.00	7,070.58	7,103.58	7,103.58	212.30	246.26	-94.14	-1,031.66	-8,579.04	2,007.48	1,706.88	300.60	6.678		
14,500.00	7,069.14	7,102.14	7,102.14	215.11	246.21	-93.93	-1,031.66	-8,579.04	1,909.53	1,606.80	302.73	6.308		
14,600.00	7,067.70	7,100.70	7,100.70	217.92	246.16	-93.72	-1,031.66	-8,579.04	1,811.79	1,506.66	305.13	5.938		
14,700.00	7,066.25	7,100.75	7,099.25	220.73	246.16	-93.51	-1,031.66	-8,579.04	1,714.32	1,406.41	307.91	5.568		
14,800.00	7,064.81	7,102.19	7,097.81	223.54	246.21	-93.30	-1,031.66	-8,579.04	1,617.16	1,306.04	311.12	5.198		
14,900.00	7,063.37	7,103.63	7,096.37	226.35	246.26	-93.09	-1,031.66	-8,579.04	1,520.36	1,205.59	314.77	4.830		
15,000.00	7,061.92	7,105.08	7,094.92	229.16	246.32	-92.88	-1,031.66	-8,579.04	1,424.00	1,105.03	318.97	4.464		
15,100.00	7,060.48	7,106.52	7,093.48	231.98	246.37	-92.67	-1,031.66	-8,579.04	1,328.18	1,004.37	323.81	4.102		
15,200.00	7,059.04	7,107.96	7,092.04	234.79	246.42	-92.46	-1,031.66	-8,579.04	1,233.02	903.58	329.43	3.743		
15,300.00	7,057.60	7,109.40	7,090.60	237.61	246.47	-92.25	-1,031.66	-8,579.04	1,138.69	802.66	336.03	3.389		
15,400.00	7,056.15	7,089.15	7,089.15	240.42	245.76	-92.04	-1,031.66	-8,579.04	1,045.41	702.36	343.05	3.047		
15,500.00	7,054.71	7,087.71	7,087.71	243.24	245.71	-91.83	-1,031.66	-8,579.04	953.49	601.28	352.21	2.707		
15,600.00	7,053.27	7,086.27	7,086.27	246.05	245.66	-91.62	-1,031.66	-8,579.04	863.37	500.14	363.23	2.377		
15,687.75	7,052.00	7,085.00	7,085.00	248.53	245.61	-91.43	-1,031.66	-8,579.04	786.25	411.46	374.80	2.098	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-103.12	-1,269.35	-5,444.73	5,590.74					
100.00	100.00	63.77	63.77	3.28	3.28	-103.12	-1,269.21	-5,445.00	5,591.11	5,584.55	6.57	851.281		
200.00	200.00	155.11	155.10	3.34	3.31	-103.11	-1,268.66	-5,446.04	5,592.07	5,585.42	6.65	841.049		
300.00	300.00	264.29	264.27	3.44	3.41	-103.11	-1,268.16	-5,446.97	5,592.79	5,585.93	6.85	816.165		
400.00	399.98	382.23	382.21	3.60	3.58	143.24	-1,267.63	-5,447.83	5,594.81	5,587.63	7.18	779.717		
500.00	499.84	491.97	491.95	3.79	3.79	143.23	-1,267.07	-5,448.27	5,599.28	5,591.69	7.58	738.468		
600.00	599.45	609.49	609.47	4.03	4.07	143.21	-1,266.27	-5,448.53	5,606.33	5,598.23	8.09	692.684		
700.00	698.70	713.83	713.80	4.30	4.34	143.19	-1,265.22	-5,448.59	5,615.94	5,607.30	8.65	649.594		
800.00	797.47	801.45	801.41	4.61	4.60	143.13	-1,264.34	-5,448.70	5,628.42	5,619.21	9.21	611.417		
900.00	895.62	893.45	893.41	4.96	4.88	143.06	-1,263.35	-5,448.98	5,643.83	5,634.01	9.82	574.450		
1,000.00	993.06	998.04	997.97	5.34	5.23	143.01	-1,260.97	-5,449.57	5,662.03	5,651.50	10.53	537.658		
1,100.00	1,089.64	1,050.64	1,050.52	5.75	5.41	142.86	-1,258.63	-5,450.27	5,683.29	5,672.19	11.11	511.733		
1,110.48	1,099.71	1,055.98	1,055.85	5.80	5.43	142.84	-1,258.33	-5,450.38	5,685.73	5,674.56	11.17	508.975		
1,200.00	1,185.67	1,100.00	1,099.76	6.20	5.59	142.95	-1,255.53	-5,451.52	5,707.00	5,695.31	11.69	488.177		
1,300.00	1,281.70	1,174.11	1,173.54	6.67	5.90	143.14	-1,249.16	-5,454.19	5,731.36	5,718.95	12.41	461.813		
1,400.00	1,377.72	1,256.08	1,254.86	7.16	6.27	143.39	-1,239.58	-5,457.95	5,756.12	5,742.91	13.22	435.563		
1,500.00	1,473.75	1,368.54	1,365.77	7.66	6.86	143.76	-1,222.04	-5,463.96	5,781.04	5,766.80	14.25	405.828		
1,600.00	1,569.77	1,484.29	1,479.15	8.17	7.55	144.18	-1,199.64	-5,470.37	5,805.64	5,790.26	15.38	377.458		
1,700.00	1,665.80	1,657.32	1,646.72	8.69	8.74	144.89	-1,157.71	-5,479.97	5,829.68	5,812.65	17.03	342.233		
1,800.00	1,761.82	1,800.00	1,782.55	9.22	9.85	145.53	-1,115.82	-5,487.12	5,852.61	5,833.99	18.62	314.307		
1,900.00	1,857.85	1,863.03	1,842.23	9.76	10.41	145.84	-1,094.81	-5,490.48	5,875.79	5,856.15	19.64	299.190		
2,000.00	1,953.87	1,900.00	1,876.90	10.30	10.73	146.02	-1,082.20	-5,492.80	5,900.00	5,879.57	20.43	288.852		
2,100.00	2,049.90	1,956.88	1,930.05	10.84	11.27	146.30	-1,062.33	-5,496.80	5,925.10	5,903.69	21.42	276.638		
2,200.00	2,145.92	2,009.18	1,978.70	11.39	11.76	146.57	-1,043.58	-5,500.89	5,951.11	5,928.73	22.37	266.007		
2,300.00	2,241.94	2,092.22	2,055.53	11.95	12.58	146.99	-1,012.82	-5,507.70	5,977.70	5,954.05	23.65	252.720		
2,400.00	2,337.97	2,157.04	2,115.30	12.50	13.22	147.33	-988.33	-5,513.16	6,004.82	5,980.07	24.75	242.576		
2,500.00	2,433.99	2,228.90	2,181.65	13.06	13.93	147.70	-961.43	-5,519.40	6,032.60	6,006.69	25.92	232.768		
2,600.00	2,530.02	2,313.93	2,260.35	13.63	14.74	148.12	-930.09	-5,526.71	6,060.77	6,033.58	27.19	222.904		
2,700.00	2,626.04	2,377.17	2,318.93	14.19	15.34	148.44	-906.91	-5,532.25	6,089.47	6,061.23	28.23	215.672		
2,800.00	2,722.07	2,456.46	2,392.38	14.76	16.08	148.83	-877.91	-5,539.37	6,118.74	6,089.32	29.43	207.935		
2,900.00	2,818.09	2,587.03	2,513.36	15.32	17.29	149.47	-830.13	-5,550.70	6,148.20	6,117.09	31.10	197.677		
3,000.00	2,914.12	2,660.44	2,581.14	15.89	17.98	149.83	-802.60	-5,556.75	6,177.58	6,145.34	32.24	191.619		
3,100.00	3,010.14	2,719.62	2,635.67	16.46	18.54	150.13	-780.18	-5,561.82	6,207.58	6,174.34	33.24	186.775		
3,200.00	3,106.17	2,769.75	2,681.91	17.03	19.01	150.37	-761.34	-5,566.34	6,238.35	6,204.21	34.14	182.728		
3,298.02	3,200.29	2,867.52	2,772.23	17.59	19.93	150.84	-725.02	-5,575.46	6,269.14	6,233.65	35.49	176.634		
3,300.00	3,202.19	2,871.07	2,775.51	17.60	19.96	150.87	-723.70	-5,575.77	6,269.76	6,234.23	35.53	176.440		
3,400.00	3,298.70	3,017.84	2,911.20	18.16	21.30	151.85	-669.13	-5,588.10	6,299.19	6,261.87	37.33	168.756		
3,500.00	3,396.07	3,115.80	3,002.29	18.68	22.15	152.53	-633.93	-5,595.75	6,325.58	6,286.98	38.60	163.869		
3,600.00	3,494.17	3,155.13	3,038.97	19.18	22.47	152.92	-620.11	-5,598.99	6,349.58	6,310.27	39.31	161.532		
3,700.00	3,592.88	3,208.28	3,088.58	19.64	22.92	153.32	-601.62	-5,603.65	6,371.37	6,331.24	40.13	158.779		
3,800.00	3,692.10	3,415.04	3,280.70	20.08	24.70	154.27	-527.17	-5,620.74	6,390.11	6,347.78	42.34	150.930		
3,900.00	3,791.69	3,490.00	3,350.29	20.49	25.34	154.67	-499.83	-5,626.21	6,404.94	6,361.61	43.33	147.803		
4,000.00	3,891.53	3,500.00	3,359.57	20.88	25.42	154.82	-496.21	-5,626.96	6,417.51	6,373.79	43.73	146.762		
4,108.50	4,000.00	3,561.81	3,416.96	21.27	25.97	-91.23	-473.83	-5,632.13	6,428.47	6,383.88	44.59	144.162		
4,200.00	4,091.50	3,600.00	3,452.38	21.58	26.30	-91.11	-460.05	-5,635.89	6,437.30	6,392.13	45.17	142.510		
4,300.00	4,191.50	3,809.41	3,645.90	21.92	28.20	-90.41	-382.38	-5,654.96	6,446.59	6,399.17	47.43	135.928		
4,400.00	4,291.50	3,905.65	3,734.40	22.27	29.09	-90.08	-345.39	-5,662.80	6,455.24	6,406.62	48.62	132.774		
4,500.00	4,391.50	4,500.00	3,827.84	22.62	34.59	-89.73	-305.91	-5,670.84	6,463.89	6,409.53	54.36	118.906		
4,600.00	4,491.50	4,068.31	3,883.73	22.97	30.60	-89.52	-282.22	-5,675.76	6,472.96	6,422.24	50.72	127.610		
4,700.00	4,591.50	4,149.34	3,958.16	23.33	31.35	-89.24	-250.93	-5,682.73	6,482.70	6,430.93	51.77	125.225		
4,800.00	4,691.50	4,243.50	4,045.15	23.69	32.20	-88.93	-215.80	-5,690.79	6,492.57	6,439.64	52.92	122.679		
4,900.00	4,791.50	4,346.15	4,140.04	24.05	33.10	-88.59	-177.69	-5,699.67	6,502.74	6,448.59	54.14	120.102		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,453.91	4,239.70	24.42	34.05	-88.24	-137.66	-5,708.53	6,512.68	6,457.27	55.41	117.541		
5,100.00	4,991.50	4,526.73	4,307.03	24.78	34.70	-88.01	-110.60	-5,714.60	6,522.96	6,466.62	56.35	115.765		
5,200.00	5,091.50	4,588.86	4,364.40	25.15	35.25	-87.80	-87.38	-5,720.03	6,533.83	6,476.65	57.19	114.250		
5,300.00	5,191.50	4,708.97	4,475.50	25.53	36.32	-87.42	-43.00	-5,730.66	6,545.01	6,486.43	58.57	111.738		
5,400.00	5,291.50	4,778.68	4,540.23	25.90	36.91	-87.20	-17.87	-5,736.86	6,556.30	6,496.83	59.46	110.260		
5,500.00	5,391.50	4,861.94	4,617.51	26.28	37.64	-86.94	12.18	-5,744.44	6,568.00	6,507.51	60.49	108.585		
5,600.00	5,491.50	4,996.17	4,741.44	26.65	38.84	-86.50	62.35	-5,756.27	6,579.80	6,517.78	62.01	106.103		
5,700.00	5,591.50	5,060.34	4,800.63	27.03	39.41	-86.29	86.53	-5,761.76	6,591.54	6,528.67	62.87	104.836		
5,800.00	5,691.50	5,140.42	4,874.59	27.41	40.13	-86.04	116.37	-5,768.99	6,603.87	6,539.99	63.88	103.375		
5,900.00	5,791.50	5,256.43	4,982.02	27.80	41.14	-85.67	158.90	-5,779.34	6,616.24	6,551.02	65.22	101.448		
6,000.00	5,891.50	5,340.62	5,060.03	28.18	41.88	-85.41	189.69	-5,786.67	6,628.60	6,562.35	66.25	100.053		
6,100.00	5,991.50	5,410.56	5,124.69	28.57	42.50	-85.19	215.62	-5,792.99	6,641.50	6,574.35	67.15	98.900		
6,200.00	6,091.50	5,535.43	5,239.83	28.96	43.62	-84.79	262.70	-5,803.88	6,654.37	6,585.78	68.59	97.016		
6,300.00	6,191.50	5,715.28	5,406.46	29.35	45.16	-84.23	328.72	-5,818.76	6,667.10	6,596.61	70.49	94.577		
6,400.00	6,291.50	6,140.67	5,809.83	29.74	47.98	-83.13	459.99	-5,844.79	6,678.25	6,604.41	73.84	90.440		
6,500.00	6,391.50	6,200.00	5,867.43	30.13	48.26	-83.02	473.98	-5,847.51	6,685.84	6,611.38	74.46	89.791		
6,600.00	6,491.50	6,426.63	6,089.86	30.52	49.15	-82.67	515.96	-5,857.51	6,692.41	6,616.60	75.81	88.279		
6,639.95	6,531.45	6,474.78	6,137.45	30.68	49.31	-82.61	523.04	-5,859.48	6,694.81	6,618.67	76.13	87.937		
6,650.00	6,541.50	6,486.94	6,149.48	30.72	49.35	9.25	524.70	-5,859.98	6,695.32	6,619.11	76.21	87.851		
6,700.00	6,591.41	6,893.13	6,554.03	30.90	50.46	9.57	557.84	-5,868.90	6,694.20	6,616.51	77.69	86.164		
6,750.00	6,640.95	6,942.62	6,603.49	31.09	50.58	9.68	559.44	-5,868.99	6,687.94	6,609.95	77.99	85.756		
6,800.00	6,689.82	6,989.97	6,650.82	31.29	50.69	9.86	560.50	-5,869.15	6,677.87	6,599.60	78.27	85.323		
6,850.00	6,737.71	7,040.11	6,700.95	31.49	50.81	10.12	561.27	-5,869.36	6,664.05	6,585.51	78.54	84.852		
6,900.00	6,784.33	7,089.92	6,750.76	31.70	50.93	10.45	561.94	-5,869.57	6,646.54	6,567.74	78.79	84.355		
6,950.00	6,829.39	7,133.48	6,794.32	31.92	51.04	10.88	562.50	-5,869.74	6,625.46	6,546.44	79.02	83.850		
7,000.00	6,872.61	7,174.14	6,834.97	32.15	51.14	11.41	563.04	-5,869.92	6,600.97	6,521.75	79.22	83.330		
7,050.00	6,913.73	7,213.74	6,874.57	32.41	51.23	12.08	563.59	-5,870.10	6,573.22	6,493.83	79.40	82.790		
7,100.00	6,952.49	7,252.82	6,913.64	32.68	51.33	12.91	564.16	-5,870.28	6,542.37	6,462.81	79.56	82.230		
7,150.00	6,988.66	7,289.28	6,950.11	32.98	51.42	13.94	564.72	-5,870.44	6,508.61	6,428.90	79.71	81.658		
7,200.00	7,022.01	7,315.83	6,976.64	33.31	51.49	15.22	565.14	-5,870.57	6,472.16	6,392.35	79.81	81.094		
7,250.00	7,052.33	7,337.04	6,997.85	33.67	51.54	16.82	565.46	-5,870.70	6,433.27	6,353.38	79.89	80.528		
7,300.00	7,079.44	7,350.00	7,010.81	34.07	51.57	18.87	565.65	-5,870.80	6,392.19	6,312.25	79.93	79.969		
7,350.00	7,103.17	7,350.00	7,010.81	34.51	51.57	21.48	565.65	-5,870.80	6,349.19	6,269.26	79.93	79.431		
7,400.00	7,123.38	7,350.00	7,010.81	34.98	51.57	25.02	565.65	-5,870.80	6,304.54	6,224.61	79.93	78.879		
7,450.00	7,139.94	7,350.00	7,010.81	35.50	51.57	29.95	565.65	-5,870.80	6,258.46	6,178.54	79.92	78.313		
7,500.00	7,152.75	7,350.00	7,010.81	36.05	51.57	37.12	565.65	-5,870.80	6,211.22	6,131.32	79.90	77.734		
7,550.00	7,161.73	7,350.00	7,010.81	36.64	51.57	47.95	565.65	-5,870.80	6,163.09	6,083.19	79.89	77.143		
7,600.00	7,166.82	7,350.00	7,010.81	37.26	51.57	64.32	565.65	-5,870.80	6,114.33	6,034.45	79.88	76.541		
7,649.14	7,168.00	7,350.00	7,010.81	37.89	51.57	86.15	565.65	-5,870.80	6,066.11	5,986.23	79.88	75.939		
7,700.00	7,167.27	7,350.00	7,010.81	38.57	51.57	86.15	565.65	-5,870.80	6,016.12	5,936.24	79.88	75.311		
7,800.00	7,165.83	7,350.00	7,010.81	40.04	51.57	86.15	565.65	-5,870.80	5,917.89	5,838.00	79.90	74.069		
7,900.00	7,164.38	7,350.00	7,010.81	41.66	51.57	86.15	565.65	-5,870.80	5,819.73	5,739.80	79.92	72.816		
8,000.00	7,162.94	7,350.00	7,010.81	43.40	51.57	86.15	565.65	-5,870.80	5,721.62	5,641.66	79.96	71.552		
8,100.00	7,161.50	7,350.00	7,010.81	45.26	51.57	86.15	565.65	-5,870.80	5,623.59	5,543.57	80.02	70.276		
8,200.00	7,160.05	7,350.00	7,010.81	47.21	51.57	86.15	565.65	-5,870.80	5,525.62	5,445.53	80.10	68.987		
8,300.00	7,158.61	7,350.00	7,010.81	49.26	51.57	86.15	565.65	-5,870.80	5,427.73	5,347.54	80.19	67.686		
8,400.00	7,157.17	7,350.00	7,010.81	51.38	51.57	86.15	565.65	-5,870.80	5,329.92	5,249.61	80.30	66.373		
8,500.00	7,155.73	7,350.00	7,010.81	53.57	51.57	86.15	565.65	-5,870.80	5,232.19	5,151.75	80.44	65.046		
8,600.00	7,154.28	7,350.00	7,010.81	55.82	51.57	86.15	565.65	-5,870.80	5,134.54	5,053.94	80.60	63.706		
8,700.00	7,152.84	7,350.00	7,010.81	58.12	51.57	86.15	565.65	-5,870.80	5,036.99	4,956.21	80.78	62.353		
8,800.00	7,151.40	7,350.00	7,010.81	60.47	51.57	86.15	565.65	-5,870.80	4,939.54	4,858.54	81.00	60.985		
8,900.00	7,149.95	7,350.00	7,010.81	62.86	51.57	86.15	565.65	-5,870.80	4,842.19	4,760.95	81.24	59.605		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	7,350.00	7,010.81	65.28	51.57	86.15	565.65	-5,870.80	4,744.95	4,663.44	81.51	58.210		
9,100.00	7,147.07	7,350.00	7,010.81	67.74	51.57	86.15	565.65	-5,870.80	4,647.83	4,566.00	81.82	56.802		
9,200.00	7,145.62	7,350.00	7,010.81	70.23	51.57	86.15	565.65	-5,870.80	4,550.83	4,468.66	82.17	55.381		
9,300.00	7,144.18	7,350.00	7,010.81	72.74	51.57	86.15	565.65	-5,870.80	4,453.97	4,371.40	82.56	53.946		
9,400.00	7,142.74	7,350.00	7,010.81	75.28	51.57	86.15	565.65	-5,870.80	4,357.24	4,274.25	83.00	52.499		
9,500.00	7,141.29	7,350.00	7,010.81	77.84	51.57	86.15	565.65	-5,870.80	4,260.67	4,177.19	83.48	51.039		
9,600.00	7,139.85	7,350.00	7,010.81	80.42	51.57	86.15	565.65	-5,870.80	4,164.26	4,080.25	84.01	49.568		
9,700.00	7,138.41	7,350.00	7,010.81	83.01	51.57	86.15	565.65	-5,870.80	4,068.03	3,983.43	84.60	48.087		
9,800.00	7,136.97	7,350.00	7,010.81	85.62	51.57	86.15	565.65	-5,870.80	3,971.98	3,886.73	85.24	46.595		
9,900.00	7,135.52	7,350.00	7,010.81	88.25	51.57	86.15	565.65	-5,870.80	3,876.13	3,790.17	85.95	45.095		
10,000.00	7,134.08	7,350.00	7,010.81	90.89	51.57	86.15	565.65	-5,870.80	3,780.49	3,693.76	86.73	43.588		
10,100.00	7,132.64	7,350.00	7,010.81	93.54	51.57	86.15	565.65	-5,870.80	3,685.09	3,597.50	87.58	42.075		
10,200.00	7,131.19	7,350.00	7,010.81	96.20	51.57	86.15	565.65	-5,870.80	3,589.93	3,501.42	88.51	40.557		
10,300.00	7,129.75	7,350.00	7,010.81	98.87	51.57	86.15	565.65	-5,870.80	3,495.05	3,405.52	89.53	39.038		
10,400.00	7,128.31	7,350.00	7,010.81	101.55	51.57	86.15	565.65	-5,870.80	3,400.46	3,309.82	90.64	37.518		
10,500.00	7,126.86	7,350.00	7,010.81	104.24	51.57	86.15	565.65	-5,870.80	3,306.19	3,214.35	91.84	35.999		
10,600.00	7,125.42	7,350.00	7,010.81	106.94	51.57	86.15	565.65	-5,870.80	3,212.26	3,119.11	93.15	34.485		
10,700.00	7,123.98	7,350.00	7,010.81	109.64	51.57	86.15	565.65	-5,870.80	3,118.72	3,024.14	94.57	32.977		
10,800.00	7,122.53	7,350.00	7,010.81	112.36	51.57	86.15	565.65	-5,870.80	3,025.58	2,929.47	96.12	31.478		
10,900.00	7,121.09	7,350.00	7,010.81	115.08	51.57	86.15	565.65	-5,870.80	2,932.90	2,835.11	97.79	29.990		
11,000.00	7,119.65	7,350.00	7,010.81	117.80	51.57	86.15	565.65	-5,870.80	2,840.72	2,741.10	99.61	28.518		
11,100.00	7,118.20	7,350.00	7,010.81	120.53	51.57	86.15	565.65	-5,870.80	2,749.08	2,647.49	101.58	27.062		
11,200.00	7,116.76	7,350.00	7,010.81	123.26	51.57	86.15	565.65	-5,870.80	2,658.04	2,554.32	103.72	25.627		
11,300.00	7,115.32	7,350.00	7,010.81	126.00	51.57	86.15	565.65	-5,870.80	2,567.67	2,461.64	106.03	24.216		
11,400.00	7,113.88	7,350.00	7,010.81	128.75	51.57	86.15	565.65	-5,870.80	2,478.04	2,369.50	108.54	22.831		
11,500.00	7,112.43	7,350.00	7,010.81	131.50	51.57	86.15	565.65	-5,870.80	2,389.24	2,277.98	111.25	21.476		
11,600.00	7,110.99	7,350.00	7,010.81	134.25	51.57	86.15	565.65	-5,870.80	2,301.35	2,187.16	114.19	20.154		
11,700.00	7,109.55	7,350.00	7,010.81	137.01	51.57	86.15	565.65	-5,870.80	2,214.49	2,097.12	117.37	18.868		
11,800.00	7,108.10	7,350.00	7,010.81	139.77	51.57	86.15	565.65	-5,870.80	2,128.78	2,007.97	120.81	17.621		
11,900.00	7,106.66	7,350.00	7,010.81	142.53	51.57	86.15	565.65	-5,870.80	2,044.38	1,919.84	124.53	16.417		
12,000.00	7,105.22	7,350.00	7,010.81	145.30	51.57	86.15	565.65	-5,870.80	1,961.44	1,832.88	128.55	15.258		
12,100.00	7,103.77	7,350.00	7,010.81	148.06	51.57	86.15	565.65	-5,870.80	1,880.16	1,747.26	132.89	14.148		
12,200.00	7,102.33	7,350.00	7,010.81	150.84	51.57	86.15	565.65	-5,870.80	1,800.76	1,663.19	137.58	13.089		
12,300.00	7,100.89	7,350.00	7,010.81	153.61	51.57	86.15	565.65	-5,870.80	1,723.51	1,580.90	142.61	12.086		
12,400.00	7,099.44	7,350.00	7,010.81	156.39	51.57	86.15	565.65	-5,870.80	1,648.71	1,500.70	148.01	11.139		
12,500.00	7,098.00	7,350.00	7,010.81	159.17	51.57	86.15	565.65	-5,870.80	1,576.71	1,422.93	153.78	10.253		
12,600.00	7,096.56	7,350.00	7,010.81	161.95	51.57	86.15	565.65	-5,870.80	1,507.90	1,347.98	159.92	9.429		
12,700.00	7,095.12	7,350.00	7,010.81	164.73	51.57	86.15	565.65	-5,870.80	1,442.75	1,276.35	166.40	8.671		
12,800.00	7,093.67	7,350.00	7,010.81	167.52	51.57	86.15	565.65	-5,870.80	1,381.77	1,208.59	173.18	7.979		
12,900.00	7,092.23	7,350.00	7,010.81	170.31	51.57	86.15	565.65	-5,870.80	1,325.53	1,145.34	180.20	7.356		
13,000.00	7,090.79	7,350.00	7,010.81	173.09	51.57	86.15	565.65	-5,870.80	1,274.67	1,087.32	187.36	6.804		
13,100.00	7,089.34	7,350.00	7,010.81	175.89	51.57	86.15	565.65	-5,870.80	1,229.86	1,035.33	194.53	6.322		
13,200.00	7,087.90	7,350.00	7,010.81	178.68	51.57	86.15	565.65	-5,870.80	1,191.76	990.21	201.55	5.913		
13,300.00	7,086.46	7,350.00	7,010.81	181.47	51.57	86.15	565.65	-5,870.80	1,161.06	952.82	208.24	5.576		
13,400.00	7,085.01	7,350.00	7,010.81	184.27	51.57	86.15	565.65	-5,870.80	1,138.34	923.97	214.37	5.310		
13,500.00	7,083.57	7,350.00	7,010.81	187.07	51.57	86.15	565.65	-5,870.80	1,124.09	904.37	219.72	5.116		
13,600.00	7,082.13	7,350.00	7,010.81	189.86	51.57	86.15	565.65	-5,870.80	1,118.63	894.54	224.09	4.992		
13,611.22	7,081.97	7,350.00	7,010.81	190.18	51.57	86.15	565.65	-5,870.80	1,118.57	894.06	224.51	4.982 CC, ES		
13,700.00	7,080.68	7,350.00	7,010.81	192.66	51.57	86.15	565.65	-5,870.80	1,122.09	894.77	227.32	4.936 SF		
13,800.00	7,079.24	7,350.00	7,010.81	195.47	51.57	86.15	565.65	-5,870.80	1,134.39	905.08	229.31	4.947		
13,900.00	7,077.80	7,350.00	7,010.81	198.27	51.57	86.15	565.65	-5,870.80	1,155.25	925.20	230.04	5.022		
14,000.00	7,076.36	7,350.00	7,010.81	201.07	51.57	86.15	565.65	-5,870.80	1,184.21	954.61	229.60	5.158		

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 13C-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 13C-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	7,074.91	7,350.00	7,010.81	203.88	51.57	86.15	565.65	-5,870.80	1,220.70	992.58	228.12	5.351	
14,200.00	7,073.47	7,350.00	7,010.81	206.68	51.57	86.15	565.65	-5,870.80	1,264.07	1,038.29	225.78	5.599	
14,300.00	7,072.03	7,350.00	7,010.81	209.49	51.57	86.15	565.65	-5,870.80	1,313.63	1,090.86	222.77	5.897	
14,400.00	7,070.58	7,350.00	7,010.81	212.30	51.57	86.15	565.65	-5,870.80	1,368.71	1,149.44	219.27	6.242	
14,500.00	7,069.14	7,350.00	7,010.81	215.11	51.57	86.15	565.65	-5,870.80	1,428.68	1,213.22	215.46	6.631	
14,600.00	7,067.70	7,350.00	7,010.81	217.92	51.57	86.15	565.65	-5,870.80	1,492.95	1,281.47	211.47	7.060	
14,700.00	7,066.25	7,350.00	7,010.81	220.73	51.57	86.15	565.65	-5,870.80	1,560.98	1,353.56	207.41	7.526	
14,800.00	7,064.81	7,350.00	7,010.81	223.54	51.57	86.15	565.65	-5,870.80	1,632.30	1,428.93	203.36	8.026	
14,900.00	7,063.37	7,350.00	7,010.81	226.35	51.57	86.15	565.65	-5,870.80	1,706.50	1,507.12	199.39	8.559	
15,000.00	7,061.92	7,350.00	7,010.81	229.16	51.57	86.15	565.65	-5,870.80	1,783.23	1,587.70	195.53	9.120	
15,100.00	7,060.48	7,350.00	7,010.81	231.98	51.57	86.15	565.65	-5,870.80	1,862.17	1,670.36	191.81	9.709	
15,200.00	7,059.04	7,350.00	7,010.81	234.79	51.57	86.15	565.65	-5,870.80	1,943.05	1,754.80	188.24	10.322	
15,300.00	7,057.60	7,350.00	7,010.81	237.61	51.57	86.15	565.65	-5,870.80	2,025.63	1,840.78	184.85	10.958	
15,400.00	7,056.15	7,350.00	7,010.81	240.42	51.57	86.15	565.65	-5,870.80	2,109.72	1,928.10	181.62	11.616	
15,500.00	7,054.71	7,350.00	7,010.81	243.24	51.57	86.15	565.65	-5,870.80	2,195.15	2,016.59	178.56	12.293	
15,600.00	7,053.27	7,350.00	7,010.81	246.05	51.57	86.15	565.65	-5,870.80	2,281.76	2,106.10	175.67	12.989	
15,687.75	7,052.00	7,350.00	7,010.81	248.53	51.57	86.15	565.65	-5,870.80	2,358.64	2,185.38	173.26	13.613	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-103.20	-1,276.63	-5,444.74	5,592.40					
100.00	100.00	53.24	53.24	3.28	3.28	-103.19	-1,276.46	-5,445.02	5,592.87	5,586.31	6.57	851.628		
200.00	200.00	108.43	108.41	3.34	3.29	-103.19	-1,275.92	-5,445.93	5,594.21	5,587.58	6.63	843.854		
300.00	300.00	206.20	206.15	3.44	3.36	-103.17	-1,274.47	-5,448.00	5,595.94	5,589.14	6.80	822.975		
400.00	399.98	310.49	310.41	3.60	3.48	143.18	-1,273.01	-5,450.20	5,599.08	5,592.00	7.07	791.476		
500.00	499.84	441.24	441.13	3.79	3.71	143.17	-1,271.26	-5,452.42	5,604.60	5,597.11	7.49	748.152		
600.00	599.45	542.74	542.60	4.03	3.93	143.15	-1,269.49	-5,453.93	5,612.64	5,604.69	7.95	706.089		
700.00	698.70	634.26	634.09	4.30	4.16	143.11	-1,267.45	-5,455.49	5,623.57	5,615.12	8.45	665.352		
800.00	797.47	744.09	743.88	4.61	4.46	143.08	-1,265.09	-5,457.38	5,637.35	5,628.28	9.06	621.990		
900.00	895.62	836.91	836.66	4.96	4.74	143.02	-1,262.71	-5,458.76	5,653.59	5,643.91	9.68	584.089		
1,000.00	993.06	900.00	899.70	5.34	4.94	142.89	-1,260.68	-5,460.16	5,673.14	5,662.90	10.24	553.873		
1,100.00	1,089.64	1,005.59	1,005.19	5.75	5.30	142.82	-1,257.10	-5,462.76	5,695.69	5,684.71	10.98	518.559		
1,110.48	1,099.71	1,017.24	1,016.84	5.80	5.34	142.81	-1,256.72	-5,463.03	5,698.20	5,687.13	11.07	514.756		
1,200.00	1,185.67	1,092.23	1,091.76	6.20	5.60	142.97	-1,254.28	-5,464.83	5,719.88	5,708.19	11.69	489.345		
1,300.00	1,281.70	1,204.98	1,204.42	6.67	6.00	143.21	-1,250.72	-5,467.40	5,744.08	5,731.57	12.51	459.182		
1,400.00	1,377.72	1,269.96	1,269.36	7.16	6.24	143.34	-1,248.82	-5,468.93	5,768.45	5,755.28	13.17	437.868		
1,500.00	1,473.75	1,364.63	1,363.97	7.66	6.59	143.53	-1,246.30	-5,471.45	5,793.22	5,779.25	13.97	414.818		
1,600.00	1,569.77	1,469.45	1,468.72	8.17	6.98	143.74	-1,243.46	-5,474.00	5,817.84	5,803.02	14.81	392.767		
1,700.00	1,665.80	1,591.14	1,590.34	8.69	7.45	143.98	-1,240.23	-5,476.66	5,842.31	5,826.57	15.74	371.157		
1,800.00	1,761.82	1,692.73	1,691.88	9.22	7.84	144.18	-1,237.63	-5,478.51	5,866.50	5,849.90	16.60	353.387		
1,900.00	1,857.85	1,737.43	1,736.55	9.76	8.01	144.26	-1,236.51	-5,479.46	5,891.09	5,873.85	17.24	341.787		
2,000.00	1,953.87	1,800.00	1,799.06	10.30	8.26	144.39	-1,234.87	-5,481.59	5,916.72	5,898.77	17.95	329.647		
2,100.00	2,049.90	1,800.00	1,799.06	10.84	8.26	144.39	-1,234.87	-5,481.59	5,943.14	5,924.75	18.40	323.026		
2,200.00	2,145.92	1,845.07	1,844.05	11.39	8.45	144.48	-1,233.32	-5,483.87	5,970.61	5,951.57	19.04	313.543		
2,300.00	2,241.94	1,900.00	1,898.77	11.95	8.68	144.60	-1,230.53	-5,487.75	5,999.33	5,979.60	19.73	304.070		
2,400.00	2,337.97	1,930.76	1,929.37	12.50	8.81	144.67	-1,228.70	-5,490.23	6,028.77	6,008.46	20.31	296.810		
2,500.00	2,433.99	2,500.00	2,076.99	13.06	11.34	145.02	-1,219.33	-5,501.27	6,057.97	6,034.70	23.27	260.358		
2,600.00	2,530.02	2,169.54	2,166.92	13.63	9.86	145.24	-1,212.19	-5,507.77	6,086.85	6,064.53	22.32	272.717		
2,700.00	2,626.04	2,223.26	2,220.27	14.19	10.11	145.37	-1,207.53	-5,511.95	6,116.29	6,093.27	23.02	265.699		
2,800.00	2,722.07	2,268.35	2,265.03	14.76	10.31	145.49	-1,203.65	-5,515.81	6,146.50	6,122.82	23.68	259.603		
2,900.00	2,818.09	2,316.05	2,312.34	15.32	10.54	145.61	-1,199.59	-5,520.25	6,177.51	6,153.16	24.35	253.744		
3,000.00	2,914.12	2,370.08	2,365.88	15.89	10.80	145.74	-1,194.65	-5,525.68	6,209.21	6,184.16	25.05	247.902		
3,100.00	3,010.14	3,100.00	2,474.43	16.46	14.42	146.03	-1,183.43	-5,537.01	6,241.13	6,212.16	28.96	215.486		
3,200.00	3,106.17	2,589.43	2,582.76	17.03	11.87	146.33	-1,170.75	-5,547.98	6,272.65	6,245.59	27.06	231.839		
3,298.02	3,200.29	2,652.13	2,644.56	17.59	12.19	146.51	-1,162.48	-5,554.56	6,303.96	6,276.15	27.81	226.647		
3,300.00	3,202.19	2,653.36	2,645.78	17.60	12.20	146.52	-1,162.32	-5,554.69	6,304.60	6,276.77	27.83	226.547		
3,400.00	3,298.70	2,700.00	2,691.74	18.16	12.44	147.01	-1,156.22	-5,559.77	6,335.66	6,307.17	28.49	222.343		
3,500.00	3,396.07	2,767.52	2,758.26	18.68	12.79	147.50	-1,147.59	-5,567.46	6,364.50	6,335.24	29.26	217.526		
3,600.00	3,494.17	2,825.05	2,814.93	19.18	13.09	147.93	-1,140.47	-5,574.38	6,391.19	6,361.24	29.95	213.395		
3,700.00	3,592.88	2,887.64	2,876.54	19.64	13.42	148.32	-1,132.73	-5,582.23	6,415.59	6,384.93	30.65	209.287		
3,800.00	3,692.10	2,939.80	2,927.84	20.08	13.70	148.66	-1,126.26	-5,589.07	6,437.70	6,406.42	31.28	205.777		
3,900.00	3,791.69	3,000.00	2,986.99	20.49	14.03	148.97	-1,118.81	-5,597.43	6,457.66	6,425.71	31.95	202.134		
4,000.00	3,891.53	3,043.54	3,029.73	20.88	14.27	149.22	-1,113.47	-5,603.78	6,475.37	6,442.87	32.50	199.259		
4,108.50	4,000.00	3,110.91	3,095.83	21.27	14.65	-96.87	-1,105.37	-5,614.02	6,492.02	6,458.83	33.18	195.641		
4,200.00	4,091.50	3,231.50	3,214.04	21.58	15.34	-96.72	-1,089.98	-5,632.25	6,504.47	6,470.33	34.14	190.527		
4,300.00	4,191.50	3,317.88	3,298.63	21.92	15.84	-96.60	-1,078.47	-5,645.38	6,518.18	6,483.26	34.92	186.672		
4,400.00	4,291.50	3,515.62	3,492.33	22.27	16.99	-96.33	-1,051.25	-5,674.38	6,531.49	6,495.10	36.40	179.461		
4,500.00	4,391.50	3,587.12	3,562.46	22.62	17.39	-96.24	-1,041.59	-5,684.43	6,544.10	6,507.01	37.09	176.458		
4,600.00	4,491.50	3,728.32	3,700.82	22.97	18.20	-96.04	-1,021.32	-5,703.97	6,556.45	6,518.23	38.22	171.547		
4,700.00	4,591.50	3,811.47	3,782.24	23.33	18.68	-95.92	-1,008.91	-5,715.35	6,568.68	6,529.68	39.00	168.427		
4,800.00	4,691.50	3,878.15	3,847.50	23.69	19.06	-95.83	-998.93	-5,724.73	6,581.32	6,541.63	39.68	165.854		
4,900.00	4,791.50	4,014.65	3,981.22	24.05	19.85	-95.64	-979.39	-5,743.96	6,594.10	6,553.31	40.80	161.626		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,064.07	4,029.65	24.42	20.14	-95.57	-972.46	-5,750.96	6,606.91	6,565.54	41.37	159.705		
5,100.00	4,991.50	4,123.56	4,087.87	24.78	20.48	-95.49	-963.94	-5,759.71	6,620.32	6,578.32	42.00	157.613		
5,200.00	5,091.50	4,184.13	4,147.18	25.15	20.84	-95.41	-955.77	-5,768.91	6,634.32	6,591.68	42.65	155.569		
5,300.00	5,191.50	4,283.48	4,244.57	25.53	21.42	-95.29	-943.49	-5,784.27	6,648.69	6,605.17	43.53	152.755		
5,400.00	5,291.50	4,365.98	4,325.43	25.90	21.90	-95.20	-933.34	-5,797.01	6,663.09	6,618.79	44.30	150.395		
5,500.00	5,391.50	4,515.39	4,471.70	26.28	22.78	-95.00	-913.23	-5,819.96	6,677.38	6,631.86	45.52	146.699		
5,600.00	5,491.50	4,578.09	4,533.10	26.65	23.15	-94.93	-904.87	-5,829.47	6,691.49	6,645.31	46.18	144.906		
5,700.00	5,591.50	4,769.81	4,720.91	27.03	24.27	-94.68	-878.82	-5,857.85	6,705.31	6,657.64	47.66	140.680		
5,800.00	5,691.50	4,895.77	4,844.26	27.41	25.00	-94.51	-860.27	-5,875.35	6,718.12	6,669.39	48.73	137.853		
5,900.00	5,791.50	4,985.60	4,932.36	27.80	25.51	-94.39	-847.83	-5,887.66	6,730.86	6,681.29	49.57	135.790		
6,000.00	5,891.50	5,790.14	5,730.32	28.18	29.10	-93.80	-783.28	-5,954.87	6,739.74	6,685.72	54.02	124.774		
6,100.00	5,991.50	6,002.55	5,942.68	28.57	29.87	-93.78	-780.23	-5,958.58	6,741.41	6,686.15	55.27	121.982		
6,200.00	6,091.50	6,090.02	6,030.14	28.96	30.18	-93.77	-779.20	-5,959.42	6,742.30	6,686.31	55.99	120.410		
6,300.00	6,191.50	6,218.00	6,158.10	29.35	30.65	-93.75	-777.46	-5,960.51	6,743.05	6,686.16	56.89	118.522		
6,400.00	6,291.50	6,313.22	6,253.30	29.74	31.00	-93.74	-776.00	-5,961.15	6,743.63	6,685.97	57.66	116.960		
6,500.00	6,391.50	6,392.52	6,332.59	30.13	31.29	-93.73	-774.80	-5,961.84	6,744.40	6,686.04	58.36	115.567		
6,600.00	6,491.50	6,490.99	6,431.05	30.52	31.65	-93.72	-773.48	-5,962.87	6,745.36	6,686.22	59.14	114.051		
6,639.95	6,531.45	6,539.00	6,479.05	30.68	31.83	-93.71	-772.99	-5,963.34	6,745.73	6,686.23	59.49	113.387		
6,650.00	6,541.50	6,551.65	6,491.70	30.72	31.88	-1.86	-772.88	-5,963.45	6,745.73	6,686.15	59.58	113.217		
6,700.00	6,591.41	6,614.50	6,554.55	30.90	32.11	-1.86	-772.47	-5,963.92	6,743.33	6,683.31	60.02	112.358		
6,750.00	6,640.95	6,650.05	6,590.10	31.09	32.24	-1.88	-772.20	-5,964.22	6,737.05	6,676.72	60.33	111.672		
6,800.00	6,689.82	6,690.16	6,630.21	31.29	32.39	-1.91	-771.81	-5,964.59	6,726.96	6,666.31	60.65	110.917		
6,850.00	6,737.71	6,743.10	6,683.14	31.49	32.59	-1.95	-771.20	-5,965.13	6,713.09	6,652.08	61.01	110.031		
6,900.00	6,784.33	6,799.03	6,739.06	31.70	32.80	-2.01	-770.51	-5,965.62	6,695.43	6,634.06	61.37	109.095		
6,950.00	6,829.39	6,835.50	6,775.52	31.92	32.93	-2.09	-769.99	-5,965.95	6,674.16	6,612.52	61.64	108.277		
7,000.00	6,872.61	6,870.25	6,810.27	32.15	33.06	-2.18	-769.39	-5,966.31	6,649.47	6,587.58	61.89	107.446		
7,050.00	6,913.73	6,903.93	6,843.94	32.41	33.19	-2.30	-768.71	-5,966.71	6,621.50	6,559.38	62.12	106.599		
7,100.00	6,952.49	6,940.15	6,880.15	32.68	33.33	-2.45	-767.94	-5,967.18	6,590.40	6,528.05	62.34	105.711		
7,150.00	6,988.66	6,974.04	6,914.03	32.98	33.46	-2.64	-767.21	-5,967.62	6,556.34	6,493.79	62.55	104.820		
7,200.00	7,022.01	7,005.37	6,945.35	33.31	33.57	-2.88	-766.54	-5,968.05	6,519.53	6,456.80	62.73	103.927		
7,250.00	7,052.33	7,026.32	6,966.29	33.67	33.65	-3.19	-766.10	-5,968.36	6,480.21	6,417.35	62.86	103.089		
7,300.00	7,079.44	7,046.27	6,986.23	34.07	33.73	-3.60	-765.71	-5,968.67	6,438.64	6,375.66	62.98	102.241		
7,350.00	7,103.17	7,063.88	7,003.84	34.51	33.80	-4.16	-765.38	-5,968.97	6,395.04	6,331.97	63.07	101.393		
7,400.00	7,123.38	7,079.03	7,018.98	34.98	33.85	-4.95	-765.11	-5,969.24	6,349.69	6,286.54	63.15	100.548		
7,450.00	7,139.94	7,091.62	7,031.57	35.50	33.90	-6.14	-764.90	-5,969.47	6,302.85	6,239.64	63.21	99.707		
7,500.00	7,152.75	7,101.76	7,041.70	36.05	33.94	-8.12	-764.73	-5,969.67	6,254.80	6,191.54	63.26	98.872		
7,550.00	7,161.73	7,109.91	7,049.85	36.64	33.97	-12.02	-764.59	-5,969.83	6,205.83	6,142.53	63.30	98.039		
7,600.00	7,166.82	7,114.89	7,054.83	37.26	33.99	-22.74	-764.51	-5,969.93	6,156.23	6,092.91	63.32	97.217		
7,649.14	7,168.00	7,116.65	7,056.60	37.89	34.00	-82.59	-764.49	-5,969.96	6,107.18	6,043.84	63.34	96.423		
7,700.00	7,167.27	7,116.87	7,056.81	38.57	34.00	-82.65	-764.48	-5,969.97	6,056.35	5,993.00	63.35	95.608		
7,800.00	7,165.83	7,117.28	7,057.23	40.04	34.00	-82.76	-764.48	-5,969.98	5,956.41	5,893.05	63.36	94.006		
7,900.00	7,164.38	7,117.71	7,057.65	41.66	34.00	-82.87	-764.47	-5,969.99	5,856.48	5,793.09	63.38	92.401		
8,000.00	7,162.94	7,118.13	7,058.07	43.40	34.00	-82.99	-764.46	-5,969.99	5,756.54	5,693.14	63.40	90.795		
8,100.00	7,161.50	7,118.56	7,058.50	45.26	34.00	-83.10	-764.46	-5,970.00	5,656.61	5,593.19	63.42	89.187		
8,200.00	7,160.05	7,118.99	7,058.93	47.21	34.01	-83.22	-764.45	-5,970.01	5,556.68	5,493.23	63.45	87.577		
8,300.00	7,158.61	7,119.42	7,059.36	49.26	34.01	-83.33	-764.44	-5,970.02	5,456.76	5,393.28	63.48	85.965		
8,400.00	7,157.17	7,119.85	7,059.79	51.38	34.01	-83.45	-764.43	-5,970.03	5,356.83	5,293.33	63.51	84.352		
8,500.00	7,155.73	7,120.29	7,060.23	53.57	34.01	-83.57	-764.43	-5,970.04	5,256.91	5,193.37	63.54	82.737		
8,600.00	7,154.28	7,120.73	7,060.67	55.82	34.01	-83.68	-764.42	-5,970.05	5,156.99	5,093.42	63.57	81.120		
8,700.00	7,152.84	7,121.17	7,061.11	58.12	34.01	-83.80	-764.41	-5,970.05	5,057.08	4,993.47	63.61	79.502		
8,800.00	7,151.40	7,121.61	7,061.55	60.47	34.02	-83.92	-764.41	-5,970.06	4,957.17	4,893.52	63.65	77.883		
8,900.00	7,149.95	7,122.06	7,062.00	62.86	34.02	-84.04	-764.40	-5,970.07	4,857.26	4,793.57	63.69	76.262		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
9,000.00	7,148.51	7,122.51	7,062.45	65.28	34.02	-84.16	-764.39	-5,970.08	4,757.36	4,693.62	63.74	74.639		
9,100.00	7,147.07	7,122.96	7,062.90	67.74	34.02	-84.28	-764.39	-5,970.09	4,657.46	4,593.67	63.79	73.015		
9,200.00	7,145.62	7,123.41	7,063.35	70.23	34.02	-84.41	-764.38	-5,970.10	4,557.56	4,493.72	63.84	71.390		
9,300.00	7,144.18	7,123.87	7,063.81	72.74	34.02	-84.53	-764.37	-5,970.11	4,457.67	4,393.78	63.90	69.764		
9,400.00	7,142.74	7,124.33	7,064.27	75.28	34.03	-84.65	-764.36	-5,970.12	4,357.79	4,293.83	63.96	68.136		
9,500.00	7,141.29	7,124.79	7,064.73	77.84	34.03	-84.78	-764.36	-5,970.13	4,257.91	4,193.89	64.02	66.508		
9,600.00	7,139.85	7,125.26	7,065.20	80.42	34.03	-84.90	-764.35	-5,970.14	4,158.03	4,093.94	64.09	64.877		
9,700.00	7,138.41	7,125.73	7,065.66	83.01	34.03	-85.03	-764.34	-5,970.15	4,058.17	3,994.00	64.16	63.246		
9,800.00	7,136.97	7,126.20	7,066.14	85.62	34.03	-85.16	-764.33	-5,970.16	3,958.30	3,894.06	64.24	61.614		
9,900.00	7,135.52	7,126.67	7,066.61	88.25	34.03	-85.29	-764.33	-5,970.17	3,858.45	3,794.12	64.33	59.980		
10,000.00	7,134.08	7,127.15	7,067.09	90.89	34.04	-85.42	-764.32	-5,970.18	3,758.60	3,694.18	64.42	58.345		
10,100.00	7,132.64	7,127.63	7,067.56	93.54	34.04	-85.55	-764.31	-5,970.19	3,658.76	3,594.25	64.52	56.709		
10,200.00	7,131.19	7,128.11	7,068.05	96.20	34.04	-85.68	-764.30	-5,970.20	3,558.94	3,494.31	64.62	55.072		
10,300.00	7,129.75	7,128.59	7,068.53	98.87	34.04	-85.81	-764.30	-5,970.21	3,459.12	3,394.38	64.74	53.433		
10,400.00	7,128.31	7,129.08	7,069.02	101.55	34.04	-85.94	-764.29	-5,970.22	3,359.31	3,294.45	64.86	51.793		
10,500.00	7,126.86	7,129.57	7,069.51	104.24	34.05	-86.07	-764.28	-5,970.23	3,259.51	3,194.52	64.99	50.152		
10,600.00	7,125.42	7,130.07	7,070.00	106.94	34.05	-86.21	-764.27	-5,970.24	3,159.72	3,094.59	65.14	48.509		
10,700.00	7,123.98	7,130.56	7,070.50	109.64	34.05	-86.34	-764.26	-5,970.25	3,059.95	2,994.66	65.29	46.865		
10,800.00	7,122.53	7,131.06	7,071.00	112.36	34.05	-86.48	-764.26	-5,970.26	2,960.20	2,894.73	65.46	45.218		
10,900.00	7,121.09	7,131.57	7,071.51	115.08	34.05	-86.61	-764.25	-5,970.27	2,860.46	2,794.81	65.65	43.570		
11,000.00	7,119.65	7,132.07	7,072.01	117.80	34.06	-86.75	-764.24	-5,970.28	2,760.74	2,694.88	65.86	41.921		
11,100.00	7,118.20	7,132.58	7,072.52	120.53	34.06	-86.89	-764.23	-5,970.29	2,661.04	2,594.96	66.08	40.268		
11,200.00	7,116.76	7,133.10	7,073.03	123.26	34.06	-87.03	-764.22	-5,970.30	2,561.37	2,495.03	66.33	38.614		
11,300.00	7,115.32	7,133.61	7,073.55	126.00	34.06	-87.17	-764.22	-5,970.31	2,461.72	2,395.11	66.61	36.957		
11,400.00	7,113.88	7,134.13	7,074.07	128.75	34.06	-87.31	-764.21	-5,970.32	2,362.10	2,295.18	66.92	35.298		
11,500.00	7,112.43	7,134.66	7,074.59	131.50	34.07	-87.45	-764.20	-5,970.33	2,262.51	2,195.25	67.26	33.636		
11,600.00	7,110.99	7,135.18	7,075.12	134.25	34.07	-87.60	-764.19	-5,970.34	2,162.96	2,095.31	67.65	31.971		
11,700.00	7,109.55	7,135.71	7,075.65	137.01	34.07	-87.74	-764.18	-5,970.35	2,063.46	1,995.36	68.10	30.302		
11,800.00	7,108.10	7,136.24	7,076.18	139.77	34.07	-87.89	-764.18	-5,970.36	1,964.00	1,895.41	68.60	28.631		
11,900.00	7,106.66	7,136.78	7,076.72	142.53	34.07	-88.03	-764.17	-5,970.37	1,864.61	1,795.43	69.17	26.955		
12,000.00	7,105.22	7,137.32	7,077.25	145.30	34.08	-88.18	-764.16	-5,970.38	1,765.28	1,695.44	69.84	25.277		
12,100.00	7,103.77	7,137.86	7,077.80	148.06	34.08	-88.33	-764.15	-5,970.40	1,666.03	1,595.42	70.61	23.595		
12,200.00	7,102.33	7,138.41	7,078.34	150.84	34.08	-88.48	-764.14	-5,970.41	1,566.88	1,495.37	71.51	21.910		
12,300.00	7,100.89	7,138.96	7,078.89	153.61	34.08	-88.63	-764.13	-5,970.42	1,467.84	1,395.26	72.58	20.224		
12,400.00	7,099.44	7,139.51	7,079.45	156.39	34.08	-88.78	-764.12	-5,970.43	1,368.94	1,295.09	73.85	18.536		
12,500.00	7,098.00	7,140.07	7,080.00	159.17	34.09	-88.93	-764.12	-5,970.44	1,270.22	1,194.84	75.38	16.850		
12,600.00	7,096.56	7,140.63	7,080.56	161.95	34.09	-89.08	-764.11	-5,970.45	1,171.71	1,094.46	77.25	15.168		
12,700.00	7,095.12	7,141.19	7,081.13	164.73	34.09	-89.24	-764.10	-5,970.47	1,073.48	993.93	79.55	13.494		
12,800.00	7,093.67	7,141.76	7,081.70	167.52	34.09	-89.39	-764.09	-5,970.48	975.60	893.18	82.42	11.836		
12,900.00	7,092.23	7,142.34	7,082.27	170.31	34.09	-89.55	-764.08	-5,970.49	878.20	792.13	86.07	10.203		
13,000.00	7,090.79	7,142.91	7,082.84	173.09	34.10	-89.71	-764.07	-5,970.50	781.46	690.67	90.79	8.607		
13,100.00	7,089.34	7,143.49	7,083.42	175.89	34.10	-89.86	-764.06	-5,970.51	685.66	588.65	97.01	7.068		
13,200.00	7,087.90	7,144.07	7,084.01	178.68	34.10	-90.02	-764.05	-5,970.53	591.24	485.83	105.42	5.609		
13,300.00	7,086.46	7,144.66	7,084.59	181.47	34.10	-90.18	-764.04	-5,970.54	499.01	381.94	117.07	4.262		
13,400.00	7,085.01	7,145.25	7,085.19	184.27	34.11	-90.34	-764.03	-5,970.55	410.43	276.78	133.65	3.071		
13,500.00	7,083.57	7,145.85	7,085.78	187.07	34.11	-90.51	-764.03	-5,970.56	328.47	170.99	157.48	2.086		
13,600.00	7,082.13	7,146.45	7,086.38	189.86	34.11	-90.67	-764.02	-5,970.58	259.48	69.76	189.72	1.368 Level 3		
13,700.00	7,080.68	7,147.05	7,086.98	192.66	34.11	-90.84	-764.01	-5,970.59	216.26	-4.45	220.72	0.980 Level 1		
13,752.81	7,079.92	7,147.37	7,087.30	194.14	34.11	-90.92	-764.00	-5,970.59	209.72	-16.97	226.69	0.925 Level 1, CC, ES, SF		
13,800.00	7,079.24	7,147.66	7,087.59	195.47	34.11	-91.00	-764.00	-5,970.60	214.96	-7.35	222.31	0.967 Level 1		
13,900.00	7,077.80	7,148.27	7,088.20	198.27	34.12	-91.17	-763.99	-5,970.61	256.21	62.79	193.43	1.325 Level 3		
14,000.00	7,076.36	7,148.89	7,088.82	201.07	34.12	-91.34	-763.98	-5,970.63	324.16	162.00	162.16	1.999		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
14,100.00	7,074.91	7,149.51	7,089.44	203.88	34.12	-91.51	-763.97	-5,970.64	405.61	266.75	138.85	2.921		
14,200.00	7,073.47	7,150.13	7,090.06	206.68	34.12	-91.68	-763.96	-5,970.65	493.92	371.32	122.60	4.029		
14,300.00	7,072.03	7,150.76	7,090.69	209.49	34.13	-91.85	-763.95	-5,970.67	585.99	474.84	111.15	5.272		
14,400.00	7,070.58	7,151.39	7,091.32	212.30	34.13	-92.02	-763.94	-5,970.68	680.31	577.44	102.87	6.613		
14,500.00	7,069.14	7,152.03	7,091.96	215.11	34.13	-92.20	-763.93	-5,970.69	776.05	679.33	96.72	8.023		
14,600.00	7,067.70	7,152.67	7,092.60	217.92	34.13	-92.37	-763.92	-5,970.71	872.75	780.70	92.04	9.482		
14,700.00	7,066.25	7,153.32	7,093.25	220.73	34.14	-92.55	-763.91	-5,970.72	970.11	881.70	88.41	10.973		
14,800.00	7,064.81	7,153.97	7,093.90	223.54	34.14	-92.73	-763.90	-5,970.73	1,067.96	982.43	85.53	12.486		
14,900.00	7,063.37	7,154.62	7,094.55	226.35	34.14	-92.90	-763.89	-5,970.75	1,166.18	1,082.95	83.23	14.012		
15,000.00	7,061.92	7,155.29	7,095.21	229.16	34.14	-93.08	-763.88	-5,970.76	1,264.68	1,183.32	81.35	15.546		
15,100.00	7,060.48	7,155.95	7,095.88	231.98	34.15	-93.27	-763.87	-5,970.78	1,363.39	1,283.58	79.81	17.083		
15,200.00	7,059.04	7,156.62	7,096.55	234.79	34.15	-93.45	-763.86	-5,970.79	1,462.28	1,383.75	78.53	18.620		
15,300.00	7,057.60	7,157.29	7,097.22	237.61	34.15	-93.63	-763.85	-5,970.80	1,561.31	1,483.85	77.46	20.156		
15,400.00	7,056.15	7,157.97	7,097.90	240.42	34.15	-93.82	-763.84	-5,970.82	1,660.45	1,583.89	76.56	21.688		
15,500.00	7,054.71	7,158.66	7,098.59	243.24	34.16	-94.00	-763.83	-5,970.83	1,759.70	1,683.90	75.80	23.216		
15,600.00	7,053.27	7,159.35	7,099.28	246.05	34.16	-94.19	-763.82	-5,970.85	1,859.02	1,783.87	75.15	24.738		
15,687.75	7,052.00	7,159.96	7,099.88	248.53	34.16	-94.36	-763.81	-5,970.86	1,946.24	1,871.58	74.65	26.070		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-103.48	-1,305.78	-5,447.53	5,601.84					
100.00	100.00	79.28	79.28	3.28	3.28	-103.48	-1,305.62	-5,447.75	5,602.08	5,595.51	6.57	852.771		
200.00	200.00	172.10	172.10	3.34	3.32	-103.47	-1,305.13	-5,448.41	5,602.65	5,595.99	6.66	841.341		
300.00	300.00	289.15	289.14	3.44	3.44	-103.46	-1,304.14	-5,449.22	5,603.12	5,596.24	6.88	814.074		
400.00	399.98	414.58	414.55	3.60	3.64	142.90	-1,302.33	-5,449.73	5,604.57	5,597.34	7.23	774.668		
500.00	499.84	514.52	514.47	3.79	3.84	142.91	-1,300.49	-5,450.01	5,608.60	5,600.96	7.64	734.499		
600.00	599.45	615.42	615.36	4.03	4.09	142.90	-1,298.43	-5,450.33	5,615.40	5,607.28	8.12	691.838		
700.00	698.70	743.73	743.63	4.30	4.44	142.92	-1,295.35	-5,450.51	5,624.75	5,616.00	8.74	643.325		
800.00	797.47	863.31	863.15	4.61	4.81	142.93	-1,291.65	-5,450.18	5,636.30	5,626.89	9.41	598.676		
900.00	895.62	900.00	899.82	4.96	4.92	142.80	-1,290.44	-5,450.05	5,650.88	5,641.02	9.87	572.657		
1,000.00	993.06	957.92	957.72	5.34	5.11	142.67	-1,289.09	-5,450.25	5,668.99	5,658.58	10.42	544.213		
1,100.00	1,089.64	1,000.00	999.80	5.75	5.25	142.47	-1,288.83	-5,450.90	5,691.06	5,680.12	10.94	520.110		
1,110.48	1,099.71	1,000.00	999.80	5.80	5.25	142.44	-1,288.83	-5,450.90	5,693.58	5,682.59	10.99	518.180		
1,200.00	1,185.67	1,031.74	1,031.53	6.20	5.36	142.49	-1,289.07	-5,451.62	5,715.76	5,704.31	11.45	499.148		
1,300.00	1,281.70	1,071.91	1,071.67	6.67	5.49	142.56	-1,289.94	-5,452.78	5,741.45	5,729.45	12.00	478.496		
1,400.00	1,377.72	1,122.03	1,121.73	7.16	5.67	142.63	-1,291.86	-5,454.54	5,768.08	5,755.48	12.60	457.894		
1,500.00	1,473.75	1,195.47	1,195.03	7.66	5.95	142.73	-1,295.27	-5,457.34	5,795.24	5,781.94	13.30	435.846		
1,600.00	1,569.77	1,248.57	1,247.99	8.17	6.15	142.79	-1,298.29	-5,459.54	5,822.93	5,809.00	13.94	417.834		
1,700.00	1,665.80	1,300.00	1,299.24	8.69	6.36	142.85	-1,301.99	-5,461.90	5,851.37	5,836.79	14.58	401.423		
1,800.00	1,761.82	1,376.44	1,375.29	9.22	6.69	142.92	-1,308.72	-5,465.57	5,880.33	5,864.99	15.34	383.314		
1,900.00	1,857.85	1,400.00	1,398.71	9.76	6.79	142.94	-1,311.05	-5,466.69	5,909.90	5,894.02	15.88	372.131		
2,000.00	1,953.87	1,461.22	1,459.48	10.30	7.07	142.99	-1,317.64	-5,470.07	5,940.13	5,923.53	16.60	357.851		
2,100.00	2,049.90	1,500.00	1,497.90	10.84	7.25	143.02	-1,322.21	-5,472.66	5,971.44	5,954.22	17.22	346.853		
2,200.00	2,145.92	1,500.00	1,497.90	11.39	7.25	143.02	-1,322.21	-5,472.66	6,003.92	5,986.27	17.65	340.206		
2,300.00	2,241.94	1,554.83	1,552.10	11.95	7.53	143.05	-1,329.21	-5,477.10	6,037.06	6,018.71	18.35	329.012		
2,400.00	2,337.97	1,600.00	1,596.61	12.50	7.76	143.07	-1,335.49	-5,481.53	6,071.50	6,052.50	19.00	319.527		
2,500.00	2,433.99	1,600.00	1,596.61	13.06	7.76	143.07	-1,335.49	-5,481.53	6,106.83	6,087.40	19.42	314.437		
2,600.00	2,530.02	1,642.02	1,637.88	13.63	8.01	143.09	-1,341.85	-5,486.22	6,143.13	6,123.06	20.07	306.127		
2,700.00	2,626.04	1,700.00	1,694.57	14.19	8.36	143.11	-1,351.60	-5,493.48	6,180.63	6,159.83	20.80	297.135		
2,800.00	2,722.07	1,703.67	1,698.15	14.76	8.38	143.11	-1,352.25	-5,493.97	6,218.66	6,197.44	21.23	292.948		
2,900.00	2,818.09	1,781.77	1,774.18	15.32	8.90	143.12	-1,366.79	-5,504.34	6,257.44	6,235.33	22.10	283.080		
3,000.00	2,914.12	1,843.44	1,834.08	15.89	9.32	143.12	-1,378.93	-5,512.58	6,296.51	6,273.62	22.89	275.079		
3,100.00	3,010.14	1,900.00	1,888.95	16.46	9.71	143.12	-1,390.15	-5,520.44	6,336.10	6,312.45	23.65	267.962		
3,200.00	3,106.17	1,933.23	1,921.13	17.03	9.95	143.12	-1,396.88	-5,525.28	6,376.36	6,352.10	24.26	262.873		
3,298.02	3,200.29	1,965.61	1,952.40	17.59	10.19	143.11	-1,403.68	-5,530.23	6,416.63	6,391.78	24.85	258.213		
3,300.00	3,202.19	1,966.26	1,953.03	17.60	10.20	143.12	-1,403.82	-5,530.33	6,417.45	6,392.59	24.86	258.123		
3,400.00	3,298.70	2,000.00	1,985.51	18.16	10.45	143.64	-1,411.16	-5,535.75	6,458.04	6,432.58	25.46	253.669		
3,500.00	3,396.07	2,114.96	2,096.04	18.68	11.35	144.07	-1,436.67	-5,554.43	6,496.32	6,469.70	26.63	243.989		
3,600.00	3,494.17	2,224.77	2,201.88	19.18	12.19	144.45	-1,460.03	-5,572.05	6,531.59	6,503.86	27.73	235.531		
3,700.00	3,592.88	2,300.76	2,275.15	19.64	12.76	144.79	-1,475.97	-5,584.37	6,564.30	6,535.72	28.58	229.688		
3,800.00	3,692.10	2,409.91	2,380.33	20.08	13.59	145.04	-1,499.17	-5,602.02	6,594.33	6,564.68	29.65	222.372		
3,900.00	3,791.69	2,512.67	2,479.37	20.49	14.37	145.25	-1,521.12	-5,618.44	6,621.49	6,590.82	30.67	215.866		
4,000.00	3,891.53	2,604.82	2,568.07	20.88	15.08	145.41	-1,541.34	-5,633.05	6,645.91	6,614.29	31.61	210.226		
4,108.50	4,000.00	2,855.05	2,809.25	21.27	16.93	-101.08	-1,597.15	-5,669.57	6,667.96	6,634.27	33.70	197.883		
4,200.00	4,091.50	2,924.93	2,876.70	21.58	17.42	-101.20	-1,612.67	-5,679.15	6,684.51	6,650.11	34.40	194.306		
4,300.00	4,191.50	3,000.00	2,949.14	21.92	17.95	-101.32	-1,629.30	-5,689.70	6,702.95	6,667.78	35.17	190.595		
4,400.00	4,291.50	3,112.53	3,057.97	22.27	18.74	-101.49	-1,652.88	-5,705.93	6,721.53	6,685.35	36.18	185.755		
4,500.00	4,391.50	3,257.70	3,198.65	22.62	19.72	-101.71	-1,682.47	-5,726.05	6,739.40	6,701.99	37.41	180.128		
4,600.00	4,491.50	3,400.00	3,329.98	22.97	20.60	-101.92	-1,711.18	-5,743.77	6,756.78	6,711.24	45.54	148.359		
4,700.00	4,591.50	3,465.00	3,399.49	23.33	21.09	-102.03	-1,726.21	-5,752.98	6,774.04	6,734.73	39.32	172.295		
4,800.00	4,691.50	3,533.28	3,465.58	23.69	21.54	-102.14	-1,740.59	-5,762.30	6,792.04	6,752.02	40.03	169.692		
4,900.00	4,791.50	3,600.00	3,530.21	24.05	21.99	-102.24	-1,754.46	-5,771.43	6,810.19	6,769.46	40.73	167.221		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	3,665.82	3,593.78	24.42	22.46	-102.34	-1,768.87	-5,780.55	6,828.81	6,787.37	41.44	164.788		
5,100.00	4,991.50	3,714.22	3,640.25	24.78	22.82	-102.42	-1,780.50	-5,787.44	6,848.27	6,806.24	42.03	162.928		
5,200.00	5,091.50	3,773.74	3,697.26	25.15	23.28	-102.53	-1,795.22	-5,796.16	6,868.36	6,825.63	42.73	160.753		
5,300.00	5,191.50	3,839.11	3,759.79	25.53	23.80	-102.65	-1,811.53	-5,806.03	6,888.99	6,845.53	43.47	158.490		
5,400.00	5,291.50	3,932.48	3,849.18	25.90	24.54	-102.81	-1,834.20	-5,820.64	6,910.03	6,865.61	44.42	155.559		
5,500.00	5,391.50	4,174.49	4,082.55	26.28	26.31	-103.17	-1,886.65	-5,857.32	6,929.99	6,883.57	46.42	149.295		
5,600.00	5,491.50	4,282.92	4,187.60	26.65	27.04	-103.32	-1,908.62	-5,872.81	6,948.79	6,901.38	47.41	146.572		
5,700.00	5,591.50	4,374.52	4,276.36	27.03	27.66	-103.44	-1,927.04	-5,885.98	6,967.68	6,919.39	48.28	144.305		
5,800.00	5,691.50	4,444.08	4,343.63	27.41	28.14	-103.54	-1,941.67	-5,895.93	6,986.79	6,937.78	49.02	142.540		
5,900.00	5,791.50	4,508.24	4,405.55	27.80	28.60	-103.64	-1,955.62	-5,905.32	7,006.42	6,956.70	49.72	140.931		
6,000.00	5,891.50	4,607.79	4,501.52	28.18	29.32	-103.79	-1,977.62	-5,919.96	7,026.27	6,975.59	50.68	138.643		
6,100.00	5,991.50	4,651.23	4,543.38	28.57	29.64	-103.85	-1,987.20	-5,926.54	7,046.54	6,995.31	51.23	137.537		
6,200.00	6,091.50	4,611.11	4,508.77	28.96	30.72	-104.94	-2,156.53	-6,052.73	7,060.26	7,000.99	59.27	119.120		
6,300.00	6,191.50	4,624.03	4,603.47	29.35	31.07	-104.95	-2,157.69	-6,054.13	7,061.69	7,001.62	60.07	117.559		
6,400.00	6,291.50	4,636.34	4,615.78	29.74	31.46	-104.96	-2,159.29	-6,055.25	7,062.85	7,001.93	60.92	115.940		
6,500.00	6,391.50	4,646.67	4,626.11	30.13	31.85	-104.97	-2,160.38	-6,055.80	7,063.68	7,002.02	61.66	114.558		
6,600.00	6,491.50	4,657.20	4,636.64	30.52	32.24	-104.97	-2,161.62	-6,056.56	7,064.60	7,002.13	62.47	113.083		
6,639.95	6,531.45	4,628.43	4,607.83	30.68	32.27	-104.98	-2,162.21	-6,056.71	7,064.83	7,002.03	62.81	112.486		
6,650.00	6,541.50	4,639.44	4,618.85	30.72	32.30	-113.13	-2,162.37	-6,056.73	7,064.81	7,001.93	62.88	112.347		
6,700.00	6,591.41	4,694.13	4,663.53	30.90	32.47	-13.19	-2,163.29	-6,056.76	7,062.38	6,999.12	63.26	111.639		
6,750.00	6,640.95	4,727.91	4,697.30	31.09	32.58	-13.33	-2,163.97	-6,056.77	7,056.18	6,992.62	63.56	111.022		
6,800.00	6,689.82	4,758.81	4,728.19	31.29	32.67	-13.56	-2,164.62	-6,056.86	7,046.33	6,982.50	63.83	110.387		
6,850.00	6,737.71	4,800.00	4,769.37	31.49	32.80	-13.89	-2,165.53	-6,057.09	7,032.91	6,968.77	64.14	109.657		
6,900.00	6,784.33	4,872.58	4,841.93	31.70	33.03	-14.36	-2,167.25	-6,057.37	7,015.84	6,951.30	64.54	108.704		
6,950.00	6,829.39	4,950.00	4,919.66	31.92	33.28	-14.92	-2,168.03	-6,057.35	6,995.07	6,930.12	64.95	107.695		
7,000.00	6,872.61	4,932.85	4,902.19	32.15	33.22	-15.61	-2,168.72	-6,057.39	6,970.99	6,905.98	65.01	107.221		
7,050.00	6,913.73	4,950.50	4,919.83	32.41	33.28	-16.44	-2,169.12	-6,057.51	6,943.86	6,878.67	65.19	106.516		
7,100.00	6,952.49	4,967.25	4,936.57	32.68	33.33	-17.47	-2,169.49	-6,057.68	6,913.78	6,848.43	65.35	105.791		
7,150.00	6,988.66	4,980.00	4,949.31	32.98	33.44	-18.77	-2,170.18	-6,058.19	6,880.97	6,815.41	65.57	104.949		
7,200.00	7,022.01	4,980.00	4,949.31	33.31	33.44	-20.29	-2,170.18	-6,058.19	6,845.47	6,779.82	65.65	104.276		
7,250.00	7,052.33	4,945.80	4,915.10	33.67	33.58	-22.38	-2,171.06	-6,059.01	6,807.55	6,741.66	65.89	103.311		
7,300.00	7,079.44	4,995.30	4,964.58	34.07	33.74	-25.09	-2,171.91	-6,059.77	6,767.29	6,701.14	66.15	102.308		
7,350.00	7,103.17	4,912.26	4,881.54	34.51	33.85	-28.52	-2,172.41	-6,060.19	6,724.99	6,658.66	66.33	101.389		
7,400.00	7,123.38	4,953.36	4,922.63	34.98	33.93	-33.03	-2,172.81	-6,060.52	6,680.95	6,614.46	66.48	100.488		
7,450.00	7,139.94	4,974.84	4,944.10	35.50	40.00	-39.09	-2,173.12	-6,060.78	6,635.45	6,568.83	66.62	99.600		
7,500.00	7,152.75	4,991.58	4,960.84	36.05	40.05	-47.36	-2,173.36	-6,060.97	6,588.79	6,522.06	66.74	98.725		
7,550.00	7,161.73	4,923.49	4,892.75	36.64	40.09	-58.62	-2,173.53	-6,061.10	6,541.27	6,474.43	66.84	97.867		
7,600.00	7,166.82	4,920.54	4,897.80	37.26	40.11	-73.25	-2,173.63	-6,061.18	6,493.17	6,426.25	66.92	97.026		
7,649.14	7,168.00	4,912.70	4,889.96	37.89	40.12	-89.96	-2,173.66	-6,061.20	6,445.64	6,378.65	66.99	96.218		
7,700.00	7,167.27	4,912.49	4,889.75	38.57	40.12	-89.96	-2,173.65	-6,061.20	6,396.41	6,329.36	67.06	95.390		
7,800.00	7,165.83	4,912.08	4,889.34	40.04	40.12	-89.94	-2,173.65	-6,061.19	6,299.70	6,232.50	67.20	93.743		
7,900.00	7,164.38	4,911.67	4,888.93	41.66	40.12	-89.93	-2,173.64	-6,061.19	6,203.10	6,135.73	67.37	92.070		
8,000.00	7,162.94	4,911.27	4,888.53	43.40	40.12	-89.91	-2,173.64	-6,061.19	6,106.61	6,039.04	67.57	90.371		
8,100.00	7,161.50	4,910.86	4,888.12	45.26	40.11	-89.90	-2,173.63	-6,061.18	6,010.23	5,942.43	67.80	88.646		
8,200.00	7,160.05	4,910.47	4,887.73	47.21	40.11	-89.89	-2,173.62	-6,061.18	5,913.97	5,845.92	68.06	86.896		
8,300.00	7,158.61	4,910.07	4,887.33	49.26	40.11	-89.87	-2,173.62	-6,061.17	5,817.84	5,749.49	68.35	85.120		
8,400.00	7,157.17	4,909.68	4,886.94	51.38	40.11	-89.86	-2,173.61	-6,061.17	5,721.84	5,653.17	68.67	83.319		
8,500.00	7,155.73	4,909.28	4,886.55	53.57	40.11	-89.84	-2,173.61	-6,061.16	5,625.98	5,556.95	69.04	81.494		
8,600.00	7,154.28	4,908.90	4,886.16	55.82	40.11	-89.83	-2,173.60	-6,061.16	5,530.27	5,460.83	69.44	79.646		
8,700.00	7,152.84	4,908.51	4,885.77	58.12	40.11	-89.82	-2,173.60	-6,061.16	5,434.71	5,364.83	69.88	77.776		
8,800.00	7,151.40	4,908.13	4,885.39	60.47	40.11	-89.80	-2,173.59	-6,061.15	5,339.31	5,268.95	70.36	75.885		
8,900.00	7,149.95	4,907.75	4,885.01	62.86	40.10	-89.79	-2,173.59	-6,061.15	5,244.09	5,173.20	70.89	73.975		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,148.51	7,207.37	7,076.63	65.28	40.10	-89.78	-2,173.58	-6,061.14	5,149.05	5,077.58	71.47	72.047		
9,100.00	7,147.07	7,206.99	7,076.25	67.74	40.10	-89.76	-2,173.58	-6,061.14	5,054.19	4,982.10	72.10	70.104		
9,200.00	7,145.62	7,206.62	7,075.88	70.23	40.10	-89.75	-2,173.57	-6,061.14	4,959.54	4,886.77	72.78	68.147		
9,300.00	7,144.18	7,206.24	7,075.51	72.74	40.10	-89.74	-2,173.57	-6,061.13	4,865.11	4,791.59	73.52	66.178		
9,400.00	7,142.74	7,205.88	7,075.14	75.28	40.10	-89.72	-2,173.56	-6,061.13	4,770.90	4,696.58	74.31	64.201		
9,500.00	7,141.29	7,205.51	7,074.77	77.84	40.10	-89.71	-2,173.56	-6,061.12	4,676.93	4,601.76	75.17	62.217		
9,600.00	7,139.85	7,205.14	7,074.40	80.42	40.10	-89.70	-2,173.55	-6,061.12	4,583.21	4,507.12	76.10	60.229		
9,700.00	7,138.41	7,204.78	7,074.04	83.01	40.09	-89.68	-2,173.55	-6,061.12	4,489.77	4,412.68	77.09	58.240		
9,800.00	7,136.97	7,204.42	7,073.68	85.62	40.09	-89.67	-2,173.54	-6,061.11	4,396.62	4,318.46	78.16	56.254		
9,900.00	7,135.52	7,204.06	7,073.32	88.25	40.09	-89.66	-2,173.54	-6,061.11	4,303.77	4,224.47	79.30	54.272		
10,000.00	7,134.08	7,203.71	7,072.97	90.89	40.09	-89.65	-2,173.53	-6,061.10	4,211.25	4,130.73	80.52	52.299		
10,100.00	7,132.64	7,203.35	7,072.62	93.54	40.09	-89.63	-2,173.53	-6,061.10	4,119.08	4,037.25	81.83	50.337		
10,200.00	7,131.19	7,203.00	7,072.26	96.20	40.09	-89.62	-2,173.52	-6,061.10	4,027.28	3,944.06	83.23	48.389		
10,300.00	7,129.75	7,202.65	7,071.91	98.87	40.09	-89.61	-2,173.52	-6,061.09	3,935.89	3,851.17	84.72	46.459		
10,400.00	7,128.31	7,202.31	7,071.57	101.55	40.09	-89.60	-2,173.51	-6,061.09	3,844.92	3,758.61	86.31	44.550		
10,500.00	7,126.86	7,201.96	7,071.22	104.24	40.09	-89.58	-2,173.51	-6,061.08	3,754.41	3,666.41	88.00	42.664		
10,600.00	7,125.42	7,201.62	7,070.88	106.94	40.08	-89.57	-2,173.50	-6,061.08	3,664.40	3,574.59	89.80	40.805		
10,700.00	7,123.98	7,201.28	7,070.54	109.64	40.08	-89.56	-2,173.50	-6,061.08	3,574.91	3,483.19	91.72	38.975		
10,800.00	7,122.53	7,200.94	7,070.20	112.36	40.08	-89.55	-2,173.49	-6,061.07	3,486.00	3,392.23	93.76	37.178		
10,900.00	7,121.09	7,200.60	7,069.86	115.08	40.08	-89.54	-2,173.49	-6,061.07	3,397.70	3,301.77	95.94	35.416		
11,000.00	7,119.65	7,200.27	7,069.53	117.80	40.08	-89.52	-2,173.48	-6,061.07	3,310.07	3,211.83	98.24	33.692		
11,100.00	7,118.20	7,199.94	7,069.20	120.53	40.08	-89.51	-2,173.48	-6,061.06	3,223.16	3,122.46	100.70	32.008		
11,200.00	7,116.76	7,199.60	7,068.87	123.26	40.08	-89.50	-2,173.47	-6,061.06	3,137.03	3,033.73	103.30	30.367		
11,300.00	7,115.32	7,199.28	7,068.54	126.00	40.08	-89.49	-2,173.47	-6,061.05	3,051.75	2,945.67	106.07	28.771		
11,400.00	7,113.88	7,198.95	7,068.21	128.75	40.08	-89.48	-2,173.46	-6,061.05	2,967.38	2,858.37	109.01	27.221		
11,500.00	7,112.43	7,198.62	7,067.89	131.50	40.08	-89.47	-2,173.46	-6,061.05	2,884.01	2,771.89	112.13	25.721		
11,600.00	7,110.99	7,198.30	7,067.56	134.25	40.07	-89.45	-2,173.46	-6,061.04	2,801.74	2,686.30	115.43	24.272		
11,700.00	7,109.55	7,197.98	7,067.24	137.01	40.07	-89.44	-2,173.45	-6,061.04	2,720.65	2,601.71	118.94	22.874		
11,800.00	7,108.10	7,197.66	7,066.92	139.77	40.07	-89.43	-2,173.45	-6,061.04	2,640.85	2,518.20	122.65	21.531		
11,900.00	7,106.66	7,197.34	7,066.61	142.53	40.07	-89.42	-2,173.44	-6,061.03	2,562.48	2,435.90	126.58	20.243		
12,000.00	7,105.22	7,197.03	7,066.29	145.30	40.07	-89.41	-2,173.44	-6,061.03	2,485.66	2,354.92	130.74	19.012		
12,100.00	7,103.77	7,196.72	7,065.98	148.06	40.07	-89.40	-2,173.43	-6,061.03	2,410.54	2,275.41	135.13	17.839		
12,200.00	7,102.33	7,196.40	7,065.67	150.84	40.07	-89.39	-2,173.43	-6,061.02	2,337.28	2,197.52	139.76	16.723		
12,300.00	7,100.89	7,196.09	7,065.36	153.61	40.07	-89.38	-2,173.42	-6,061.02	2,266.07	2,121.43	144.63	15.668		
12,400.00	7,099.44	7,195.79	7,065.05	156.39	40.07	-89.36	-2,173.42	-6,061.02	2,197.10	2,047.35	149.75	14.672		
12,500.00	7,098.00	7,195.48	7,064.74	159.17	40.06	-89.35	-2,173.42	-6,061.01	2,130.60	1,975.49	155.11	13.736		
12,600.00	7,096.56	7,195.17	7,064.44	161.95	40.06	-89.34	-2,173.41	-6,061.01	2,066.79	1,906.10	160.69	12.862		
12,700.00	7,095.12	7,194.87	7,064.13	164.73	40.06	-89.33	-2,173.41	-6,061.01	2,005.95	1,839.46	166.49	12.048		
12,800.00	7,093.67	7,194.57	7,063.83	167.52	40.06	-89.32	-2,173.40	-6,061.00	1,948.34	1,775.86	172.48	11.296		
12,900.00	7,092.23	7,194.27	7,063.53	170.31	40.06	-89.31	-2,173.40	-6,061.00	1,894.26	1,715.64	178.62	10.605		
13,000.00	7,090.79	7,193.97	7,063.24	173.09	40.06	-89.30	-2,173.39	-6,061.00	1,844.02	1,659.15	184.87	9.975		
13,100.00	7,089.34	7,193.68	7,062.94	175.89	40.06	-89.29	-2,173.39	-6,060.99	1,797.94	1,606.77	191.17	9.405		
13,200.00	7,087.90	7,193.38	7,062.65	178.68	40.06	-89.28	-2,173.39	-6,060.99	1,756.35	1,558.90	197.45	8.895		
13,300.00	7,086.46	7,193.09	7,062.35	181.47	40.06	-89.27	-2,173.38	-6,060.99	1,719.58	1,515.96	203.63	8.445		
13,400.00	7,085.01	7,192.80	7,062.06	184.27	40.06	-89.26	-2,173.38	-6,060.98	1,687.94	1,478.34	209.61	8.053		
13,500.00	7,083.57	7,192.51	7,061.77	187.07	40.06	-89.25	-2,173.37	-6,060.98	1,661.73	1,446.44	215.28	7.719		
13,600.00	7,082.13	7,192.22	7,061.48	189.86	40.05	-89.24	-2,173.37	-6,060.98	1,641.20	1,420.64	220.56	7.441		
13,700.00	7,080.68	7,191.93	7,061.20	192.66	40.05	-89.23	-2,173.37	-6,060.97	1,626.57	1,401.24	225.33	7.219		
13,800.00	7,079.24	7,191.65	7,060.91	195.47	40.05	-89.22	-2,173.36	-6,060.97	1,618.00	1,388.50	229.50	7.050		
13,889.06	7,077.96	7,191.40	7,060.66	197.96	40.05	-89.21	-2,173.36	-6,060.97	1,615.54	1,382.89	232.65	6.944 CC		
13,900.00	7,077.80	7,191.37	7,060.63	198.27	40.05	-89.21	-2,173.36	-6,060.97	1,615.58	1,382.58	233.00	6.934 ES		
14,000.00	7,076.36	7,191.08	7,060.35	201.07	40.05	-89.20	-2,173.35	-6,060.96	1,619.35	1,383.58	235.77	6.868		

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 13C-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 13C-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	7,074.91	7,190.80	7,060.07	203.88	40.05	-89.19	-2,173.35	-6,060.96	1,629.26	1,391.47	237.79	6.852 SF	
14,200.00	7,073.47	7,190.53	7,059.79	206.68	40.05	-89.18	-2,173.35	-6,060.96	1,645.19	1,406.14	239.05	6.882	
14,300.00	7,072.03	7,190.25	7,059.51	209.49	40.05	-89.17	-2,173.34	-6,060.95	1,666.99	1,427.41	239.58	6.958	
14,400.00	7,070.58	7,189.97	7,059.24	212.30	40.05	-89.16	-2,173.34	-6,060.95	1,694.41	1,454.99	239.42	7.077	
14,500.00	7,069.14	7,189.70	7,058.96	215.11	40.05	-89.15	-2,173.33	-6,060.95	1,727.20	1,488.56	238.64	7.238	
14,600.00	7,067.70	7,189.43	7,058.69	217.92	40.05	-89.14	-2,173.33	-6,060.94	1,765.05	1,527.75	237.31	7.438	
14,700.00	7,066.25	7,189.16	7,058.42	220.73	40.04	-89.13	-2,173.33	-6,060.94	1,807.65	1,572.15	235.50	7.676	
14,800.00	7,064.81	7,188.89	7,058.15	223.54	40.04	-89.12	-2,173.32	-6,060.94	1,854.67	1,621.36	233.31	7.949	
14,900.00	7,063.37	7,188.62	7,057.88	226.35	40.04	-89.11	-2,173.32	-6,060.94	1,905.77	1,674.98	230.80	8.257	
15,000.00	7,061.92	7,188.35	7,057.62	229.16	40.04	-89.10	-2,173.31	-6,060.93	1,960.65	1,732.61	228.04	8.598	
15,100.00	7,060.48	7,188.09	7,057.35	231.98	40.04	-89.09	-2,173.31	-6,060.93	2,019.00	1,793.88	225.11	8.969	
15,200.00	7,059.04	7,187.82	7,057.09	234.79	40.04	-89.08	-2,173.31	-6,060.93	2,080.51	1,858.45	222.06	9.369	
15,300.00	7,057.60	7,187.56	7,056.82	237.61	40.04	-89.07	-2,173.30	-6,060.92	2,144.93	1,925.99	218.93	9.797	
15,400.00	7,056.15	7,187.30	7,056.56	240.42	40.04	-89.06	-2,173.30	-6,060.92	2,211.99	1,996.22	215.77	10.251	
15,500.00	7,054.71	7,187.04	7,056.30	243.24	40.04	-89.05	-2,173.30	-6,060.92	2,281.47	2,068.86	212.61	10.731	
15,600.00	7,053.27	7,186.78	7,056.04	246.05	40.04	-89.05	-2,173.29	-6,060.91	2,353.14	2,143.67	209.47	11.234	
15,687.75	7,052.00	7,186.56	7,055.82	248.53	40.04	-89.04	-2,173.29	-6,060.91	2,417.70	2,210.94	206.76	11.693	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	10.27	10.27	3.28	3.28	-103.59	-1,316.70	-5,447.52	5,604.40					
100.00	100.00	154.34	154.33	3.28	3.31	-103.59	-1,316.62	-5,446.43	5,603.54	5,596.94	6.60	849.582		
200.00	200.00	242.61	242.60	3.34	3.38	-103.59	-1,316.59	-5,445.74	5,602.77	5,596.05	6.72	833.759		
300.00	300.00	331.76	331.75	3.44	3.50	-103.59	-1,316.60	-5,445.17	5,602.15	5,595.21	6.94	807.125		
315.94	315.94	344.75	344.75	3.47	3.52	142.76	-1,316.60	-5,445.11	5,602.11	5,595.13	6.98	802.376		
400.00	399.98	415.82	415.81	3.60	3.64	142.75	-1,316.61	-5,444.88	5,603.21	5,595.97	7.23	774.509		
500.00	499.84	515.83	515.82	3.79	3.84	142.74	-1,316.54	-5,444.71	5,607.18	5,599.55	7.63	734.469		
600.00	599.45	625.01	625.00	4.03	4.10	142.72	-1,316.35	-5,444.35	5,613.77	5,605.63	8.13	690.129		
700.00	698.70	710.25	710.24	4.30	4.33	142.67	-1,316.29	-5,444.14	5,623.23	5,614.60	8.64	651.003		
800.00	797.47	798.53	798.52	4.61	4.59	142.60	-1,316.32	-5,444.10	5,635.68	5,626.48	9.20	612.640		
900.00	895.62	865.11	865.10	4.96	4.79	142.48	-1,316.64	-5,444.24	5,651.26	5,641.52	9.74	580.397		
1,000.00	993.06	900.00	899.98	5.34	4.90	142.29	-1,317.04	-5,444.42	5,670.26	5,660.05	10.21	555.454		
1,100.00	1,089.64	954.16	954.12	5.75	5.08	142.08	-1,318.39	-5,445.05	5,692.81	5,682.04	10.77	528.484		
1,110.48	1,099.71	957.99	957.95	5.80	5.09	142.05	-1,318.53	-5,445.11	5,695.40	5,684.57	10.83	525.870		
1,200.00	1,185.67	1,000.00	999.90	6.20	5.24	142.11	-1,320.47	-5,446.03	5,718.09	5,706.77	11.33	504.774		
1,300.00	1,281.70	1,032.57	1,032.40	6.67	5.36	142.15	-1,322.46	-5,446.94	5,744.34	5,732.48	11.86	484.423		
1,400.00	1,377.72	1,076.33	1,076.01	7.16	5.53	142.20	-1,325.77	-5,448.37	5,771.49	5,759.05	12.44	463.859		
1,500.00	1,473.75	1,100.00	1,099.57	7.66	5.62	142.22	-1,327.86	-5,449.25	5,799.60	5,786.64	12.96	447.553		
1,600.00	1,569.77	1,166.87	1,166.01	8.17	5.92	142.28	-1,334.95	-5,452.05	5,828.38	5,814.70	13.68	426.133		
1,700.00	1,665.80	1,215.52	1,214.20	8.69	6.15	142.30	-1,341.20	-5,454.37	5,858.05	5,843.72	14.33	408.756		
1,800.00	1,761.82	1,271.82	1,269.83	9.22	6.43	142.33	-1,349.30	-5,457.25	5,888.41	5,873.37	15.04	391.449		
1,900.00	1,857.85	1,300.00	1,297.63	9.76	6.57	142.34	-1,353.68	-5,458.77	5,919.51	5,903.89	15.62	379.013		
2,000.00	1,953.87	1,362.17	1,358.81	10.30	6.92	142.35	-1,364.09	-5,462.47	5,951.27	5,934.88	16.39	363.151		
2,100.00	2,049.90	1,407.24	1,403.02	10.84	7.18	142.35	-1,372.29	-5,465.54	5,983.96	5,966.89	17.07	350.537		
2,200.00	2,145.92	1,495.40	1,489.26	11.39	7.71	142.35	-1,389.56	-5,471.62	6,017.06	5,999.04	18.02	333.877		
2,300.00	2,241.94	1,552.69	1,545.13	11.95	8.07	142.34	-1,401.57	-5,475.59	6,050.48	6,031.68	18.81	321.713		
2,400.00	2,337.97	1,614.30	1,605.05	12.50	8.46	142.32	-1,415.17	-5,480.11	6,084.50	6,064.88	19.63	309.989		
2,500.00	2,433.99	1,712.80	1,700.43	13.06	9.13	142.27	-1,438.79	-5,487.06	6,118.70	6,097.98	20.72	295.361		
2,600.00	2,530.02	1,755.81	1,741.83	13.63	9.44	142.24	-1,449.98	-5,490.11	6,153.31	6,131.85	21.46	286.736		
2,700.00	2,626.04	1,800.00	1,784.21	14.19	9.77	142.20	-1,462.09	-5,493.36	6,188.59	6,166.38	22.21	278.698		
2,800.00	2,722.07	1,850.65	1,832.56	14.76	10.17	142.15	-1,476.67	-5,497.31	6,224.57	6,201.54	23.03	270.335		
2,900.00	2,818.09	1,900.00	1,879.44	15.32	10.56	142.10	-1,491.51	-5,501.40	6,261.26	6,237.42	23.83	262.699		
3,000.00	2,914.12	1,946.52	1,923.43	15.89	10.97	142.05	-1,506.11	-5,505.44	6,298.62	6,273.98	24.64	255.578		
3,100.00	3,010.14	2,000.00	1,973.72	16.46	11.44	141.98	-1,523.64	-5,510.26	6,336.62	6,311.10	25.51	248.351		
3,200.00	3,106.17	2,059.18	2,029.06	17.03	12.00	141.89	-1,543.92	-5,515.68	6,375.15	6,348.68	26.47	240.847		
3,298.02	3,200.29	2,100.00	2,067.02	17.59	12.38	141.83	-1,558.42	-5,519.43	6,413.38	6,386.14	27.24	235.431		
3,300.00	3,202.19	2,100.00	2,067.02	17.60	12.38	141.84	-1,558.42	-5,519.43	6,414.17	6,386.92	27.25	235.394		
3,400.00	3,298.70	2,166.15	2,128.27	18.16	13.05	142.24	-1,582.62	-5,525.72	6,452.37	6,424.08	28.29	228.082		
3,500.00	3,396.07	2,200.00	2,159.48	18.68	13.39	142.65	-1,595.28	-5,529.08	6,488.73	6,459.75	28.98	223.872		
3,600.00	3,494.17	2,258.65	2,213.35	19.18	14.01	142.96	-1,617.65	-5,535.21	6,523.15	6,493.21	29.94	217.894		
3,700.00	3,592.88	2,300.00	2,251.16	19.64	14.45	143.27	-1,633.75	-5,539.77	6,555.71	6,525.02	30.69	213.629		
3,800.00	3,692.10	2,350.97	2,297.59	20.08	15.03	143.52	-1,653.95	-5,545.64	6,586.34	6,554.79	31.55	208.788		
3,900.00	3,791.69	2,400.00	2,342.07	20.49	15.59	143.73	-1,673.72	-5,551.54	6,615.02	6,582.66	32.36	204.402		
4,000.00	3,891.53	2,462.34	2,398.36	20.88	16.34	143.87	-1,699.40	-5,559.20	6,641.64	6,608.29	33.34	199.193		
4,108.50	4,000.00	2,522.53	2,452.41	21.27	17.09	-102.36	-1,724.79	-5,566.66	6,668.06	6,633.77	34.30	194.410		
4,200.00	4,091.50	2,563.30	2,488.78	21.58	17.61	-102.51	-1,742.50	-5,571.81	6,689.70	6,654.72	34.98	191.233		
4,300.00	4,191.50	2,600.00	2,521.31	21.92	18.09	-102.64	-1,758.81	-5,576.55	6,714.13	6,678.51	35.63	188.449		
4,400.00	4,291.50	2,666.46	2,579.90	22.27	19.00	-102.88	-1,788.91	-5,585.30	6,739.26	6,702.56	36.70	183.654		
4,500.00	4,391.50	2,749.51	2,652.89	22.62	20.16	-103.18	-1,826.95	-5,596.45	6,764.97	6,726.99	37.98	178.111		
4,600.00	4,491.50	2,901.14	2,787.24	22.97	22.19	-103.71	-1,894.23	-5,616.81	6,790.51	6,750.38	40.12	169.239		
4,700.00	4,591.50	2,946.92	2,828.08	23.33	22.79	-103.87	-1,913.93	-5,623.10	6,816.06	6,775.18	40.88	166.752		
4,800.00	4,691.50	3,000.00	2,875.34	23.69	23.49	-104.04	-1,936.86	-5,630.71	6,842.37	6,800.66	41.72	164.024		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	3,277.60	3,125.81	24.05	26.88	-104.90	-2,049.87	-5,669.90	6,868.09	6,822.94	45.15	152.117		
5,000.00	4,891.50	3,670.14	3,486.65	24.42	30.87	-106.01	-2,197.22	-5,715.74	6,891.05	6,841.72	49.34	139.677		
5,100.00	4,991.50	3,700.00	3,514.28	24.78	31.15	-106.10	-2,208.20	-5,718.58	6,911.84	6,862.02	49.82	138.743		
5,200.00	5,091.50	3,750.94	3,561.13	25.15	31.66	-106.24	-2,227.56	-5,723.57	6,933.36	6,882.82	50.54	137.194		
5,300.00	5,191.50	3,800.00	3,605.76	25.53	32.16	-106.39	-2,247.24	-5,728.79	6,956.08	6,904.85	51.23	135.774		
5,400.00	5,291.50	3,800.00	3,605.76	25.90	32.16	-106.39	-2,247.24	-5,728.79	6,979.62	6,928.20	51.42	135.743		
5,500.00	5,391.50	3,860.07	3,660.01	26.28	32.85	-106.58	-2,272.12	-5,735.61	7,004.01	6,951.73	52.28	133.977		
5,600.00	5,491.50	3,909.50	3,704.51	26.65	33.42	-106.73	-2,292.82	-5,741.50	7,029.15	6,976.13	53.02	132.585		
5,700.00	5,591.50	3,972.59	3,761.18	27.03	34.18	-106.92	-2,319.45	-5,749.21	7,054.89	7,000.96	53.92	130.829		
5,800.00	5,691.50	4,200.00	3,966.43	27.41	36.81	-107.61	-2,413.33	-5,776.82	7,080.83	7,024.17	56.67	124.950		
5,900.00	5,791.50	4,248.29	4,010.69	27.80	37.32	-107.74	-2,431.71	-5,782.82	7,105.58	7,048.23	57.35	123.904		
6,000.00	5,891.50	4,300.00	4,058.00	28.18	37.87	-107.88	-2,451.42	-5,789.61	7,131.08	7,073.02	58.06	122.826		
6,100.00	5,991.50	4,342.57	4,096.89	28.57	38.35	-107.99	-2,467.73	-5,795.45	7,157.27	7,098.58	58.68	121.966		
6,200.00	6,091.50	4,400.00	4,149.23	28.96	39.00	-108.14	-2,489.92	-5,803.59	7,184.13	7,124.66	59.46	120.814		
6,300.00	6,191.50	4,506.71	4,246.16	29.35	40.23	-108.44	-2,531.99	-5,818.49	7,211.28	7,150.48	60.81	118.596		
6,400.00	6,291.50	4,597.09	4,327.88	29.74	41.29	-108.69	-2,568.68	-5,830.46	7,238.40	7,176.42	61.98	116.779		
6,500.00	6,391.50	4,662.51	4,386.76	30.13	42.08	-108.88	-2,595.91	-5,838.92	7,265.81	7,202.91	62.90	115.521		
6,600.00	6,491.50	4,725.85	4,443.52	30.52	42.86	-109.07	-2,622.82	-5,847.09	7,293.70	7,229.91	63.79	114.347		
6,639.95	6,531.45	4,750.78	4,465.85	30.68	43.17	-109.14	-2,633.39	-5,850.38	7,304.98	7,240.84	64.14	113.894		
6,650.00	6,541.50	4,757.06	4,471.48	30.72	43.25	-17.23	-2,636.05	-5,851.23	7,307.75	7,243.53	64.23	113.783		
6,700.00	6,591.41	4,788.54	4,499.71	30.90	43.64	-17.00	-2,649.32	-5,855.49	7,319.46	7,254.81	64.65	113.214		
6,750.00	6,640.95	4,816.62	4,524.89	31.09	43.99	-16.87	-2,661.11	-5,859.37	7,327.64	7,262.61	65.03	112.679		
6,800.00	6,689.82	4,842.58	4,548.13	31.29	44.32	-16.84	-2,672.08	-5,863.01	7,332.26	7,266.88	65.38	112.150		
6,850.00	6,737.71	4,868.31	4,571.13	31.49	44.65	-16.90	-2,683.03	-5,866.64	7,333.30	7,267.59	65.72	111.592		
6,900.00	6,784.33	4,900.00	4,599.41	31.70	45.06	-17.08	-2,696.61	-5,871.17	7,330.79	7,264.67	66.12	110.879		
6,950.00	6,829.39	4,926.61	4,623.13	31.92	45.41	-17.34	-2,708.05	-5,875.02	7,324.69	7,258.24	66.45	110.226		
7,000.00	6,872.61	4,961.52	4,654.25	32.15	45.87	-17.75	-2,723.01	-5,880.11	7,315.02	7,248.14	66.88	109.370		
7,050.00	6,913.73	5,329.34	4,984.74	32.41	50.29	-19.74	-2,877.45	-5,926.78	7,300.82	7,229.70	71.12	102.653		
7,100.00	6,952.49	5,420.21	5,067.57	32.68	51.26	-20.77	-2,913.42	-5,936.91	7,282.26	7,210.18	72.08	101.035		
7,150.00	6,988.66	5,400.00	5,049.11	32.98	51.05	-21.46	-2,905.51	-5,934.67	7,260.50	7,188.63	71.87	101.027		
7,200.00	7,022.01	5,437.44	5,083.30	33.31	51.45	-22.63	-2,920.16	-5,938.97	7,235.55	7,163.30	72.25	100.140		
7,250.00	7,052.33	5,452.70	5,097.24	33.67	51.61	-23.91	-2,926.10	-5,940.81	7,207.77	7,135.36	72.41	99.540		
7,300.00	7,079.44	5,466.86	5,110.17	34.07	51.76	-25.45	-2,931.60	-5,942.56	7,177.24	7,104.68	72.56	98.919		
7,350.00	7,103.17	5,500.00	5,140.43	34.51	52.11	-27.46	-2,944.41	-5,946.82	7,144.19	7,071.29	72.90	97.995		
7,400.00	7,123.38	5,500.00	5,140.43	34.98	52.11	-29.64	-2,944.41	-5,946.82	7,108.63	7,035.72	72.91	97.501		
7,450.00	7,139.94	5,500.00	5,140.43	35.50	52.11	-32.30	-2,944.41	-5,946.82	7,070.92	6,998.00	72.92	96.971		
7,500.00	7,152.75	5,500.00	5,140.43	36.05	52.11	-35.57	-2,944.41	-5,946.82	7,031.25	6,958.31	72.93	96.406		
7,550.00	7,161.73	5,522.12	5,160.62	36.64	52.36	-39.93	-2,952.93	-5,949.76	6,989.77	6,916.58	73.19	95.497		
7,600.00	7,166.82	5,529.12	5,167.01	37.26	52.44	-45.14	-2,955.63	-5,950.70	6,946.80	6,873.49	73.30	94.771		
7,649.14	7,168.00	5,534.01	5,171.48	37.89	52.49	-51.50	-2,957.52	-5,951.36	6,903.32	6,829.92	73.40	94.056		
7,700.00	7,167.27	5,538.05	5,175.16	38.57	52.54	-51.57	-2,959.08	-5,951.91	6,857.80	6,784.31	73.49	93.314		
7,800.00	7,165.83	5,546.06	5,182.47	40.04	52.63	-51.71	-2,962.17	-5,953.00	6,768.51	6,694.81	73.71	91.829		
7,900.00	7,164.38	5,554.17	5,189.87	41.66	52.72	-51.85	-2,965.30	-5,954.11	6,679.51	6,605.55	73.97	90.301		
8,000.00	7,162.94	8,000.00	5,276.79	43.40	78.02	-53.55	-3,000.45	-5,967.39	6,590.81	6,497.08	93.73	70.314		
8,100.00	7,161.50	5,728.45	5,350.57	45.26	54.54	-54.99	-3,027.97	-5,978.63	6,502.18	6,425.90	76.27	85.248		
8,200.00	7,160.05	5,733.98	5,355.74	47.21	54.59	-55.09	-3,029.78	-5,979.44	6,413.77	6,337.10	76.66	83.663		
8,300.00	7,158.61	5,739.61	5,360.99	49.26	54.65	-55.19	-3,031.63	-5,980.27	6,325.69	6,248.59	77.10	82.041		
8,400.00	7,157.17	5,745.35	5,366.34	51.38	54.71	-55.29	-3,033.52	-5,981.12	6,237.96	6,160.36	77.60	80.385		
8,500.00	7,155.73	5,751.18	5,371.78	53.57	54.76	-55.40	-3,035.44	-5,982.00	6,150.59	6,072.43	78.16	78.696		
8,600.00	7,154.28	5,757.13	5,377.32	55.82	54.82	-55.50	-3,037.40	-5,982.90	6,063.60	5,984.83	78.77	76.979		
8,700.00	7,152.84	5,763.19	5,382.96	58.12	54.88	-55.61	-3,039.41	-5,983.83	5,976.99	5,897.55	79.44	75.236		
8,800.00	7,151.40	5,769.36	5,388.71	60.47	54.94	-55.73	-3,041.45	-5,984.78	5,890.80	5,810.62	80.18	73.471		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 #6-24D - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,900.00	7,149.95	5,800.00	5,417.20	62.86	55.24	-56.29	-3,051.63	-5,989.63	5,805.16	5,723.92	81.23	71.462				
9,000.00	7,148.51	5,800.00	5,417.20	65.28	55.24	-56.29	-3,051.63	-5,989.63	5,719.78	5,637.75	82.03	69.727				
9,100.00	7,147.07	5,800.00	5,417.20	67.74	55.24	-56.29	-3,051.63	-5,989.63	5,634.88	5,552.00	82.89	67.981				
9,200.00	7,145.62	5,800.00	5,417.20	70.23	55.24	-56.29	-3,051.63	-5,989.63	5,550.49	5,466.68	83.81	66.226				
9,300.00	7,144.18	5,806.53	5,423.27	72.74	55.30	-56.40	-3,053.81	-5,990.69	5,466.62	5,381.75	84.87	64.413				
9,400.00	7,142.74	5,828.87	5,444.03	75.28	55.53	-56.81	-3,061.18	-5,994.33	5,383.25	5,297.08	86.17	62.472				
9,500.00	7,141.29	5,851.64	5,465.23	77.84	55.76	-57.23	-3,068.59	-5,998.09	5,300.39	5,212.84	87.55	60.541				
9,600.00	7,139.85	5,874.85	5,486.87	80.42	55.99	-57.66	-3,076.05	-6,001.95	5,218.06	5,129.05	89.01	58.625				
9,700.00	7,138.41	5,898.51	5,508.96	83.01	56.23	-58.09	-3,083.54	-6,005.94	5,136.28	5,045.74	90.54	56.727				
9,800.00	7,136.97	5,900.00	5,510.26	85.62	96.02	-58.12	-3,083.97	-6,006.17	5,055.11	4,938.08	117.03	43.194				
9,900.00	7,135.52	5,900.00	5,510.35	88.25	56.25	-58.12	-3,084.00	-6,006.19	4,974.63	4,881.33	93.30	53.318				
10,000.00	7,134.08	5,900.00	5,510.35	90.89	56.25	-58.12	-3,084.00	-6,006.19	4,894.87	4,800.09	94.78	51.647				
10,100.00	7,132.64	5,929.85	5,538.21	93.54	56.56	-58.67	-3,093.40	-6,011.36	4,815.66	4,718.97	96.69	49.807				
10,200.00	7,131.19	5,937.88	5,545.69	96.20	56.65	-58.82	-3,095.93	-6,012.78	4,737.32	4,638.91	98.41	48.139				
10,300.00	7,129.75	5,946.10	5,553.34	98.87	56.73	-58.97	-3,098.53	-6,014.26	4,659.78	4,559.56	100.21	46.499				
10,400.00	7,128.31	5,954.51	5,561.18	101.55	56.82	-59.13	-3,101.20	-6,015.79	4,583.07	4,480.98	102.10	44.890				
10,500.00	7,126.86	5,963.14	5,569.20	104.24	56.91	-59.29	-3,103.93	-6,017.38	4,507.25	4,403.19	104.06	43.314				
10,600.00	7,125.42	5,971.97	5,577.42	106.94	57.00	-59.45	-3,106.74	-6,019.03	4,432.35	4,326.24	106.11	41.772				
10,700.00	7,123.98	6,000.00	5,603.44	109.64	57.30	-59.98	-3,115.67	-6,024.39	4,358.50	4,250.01	108.50	40.172				
10,800.00	7,122.53	6,000.00	5,603.44	112.36	57.30	-59.98	-3,115.67	-6,024.39	4,285.53	4,174.94	110.59	38.751				
10,900.00	7,121.09	6,000.00	5,603.44	115.08	57.30	-59.98	-3,115.67	-6,024.39	4,213.67	4,100.90	112.77	37.365				
11,000.00	7,119.65	6,000.00	5,603.44	117.80	57.30	-59.98	-3,115.67	-6,024.39	4,142.97	4,027.94	115.03	36.018				
11,100.00	7,118.20	6,000.00	5,603.44	120.53	57.30	-59.98	-3,115.67	-6,024.39	4,073.50	3,956.13	117.36	34.708				
11,200.00	7,116.76	6,000.00	5,603.44	123.26	57.30	-59.98	-3,115.67	-6,024.39	4,005.32	3,885.54	119.78	33.438				
11,300.00	7,115.32	6,031.01	5,632.13	126.00	57.67	-60.56	-3,125.73	-6,030.49	3,938.20	3,815.44	122.77	32.079				
11,400.00	7,113.88	6,039.04	5,639.54	128.75	57.77	-60.71	-3,128.39	-6,032.10	3,872.63	3,747.14	125.49	30.860				
11,500.00	7,112.43	6,047.18	5,647.03	131.50	57.87	-60.86	-3,131.10	-6,033.73	3,808.52	3,680.21	128.30	29.684				
11,600.00	7,110.99	6,055.42	5,654.61	134.25	57.97	-61.02	-3,133.88	-6,035.40	3,745.93	3,614.72	131.21	28.549				
11,700.00	7,109.55	6,063.77	5,662.28	137.01	58.07	-61.17	-3,136.71	-6,037.09	3,684.95	3,550.75	134.21	27.457				
11,800.00	7,108.10	6,072.22	5,670.03	139.77	58.17	-61.33	-3,139.60	-6,038.82	3,625.66	3,488.36	137.30	26.407				
11,900.00	7,106.66	6,100.00	5,695.43	142.53	58.50	-61.86	-3,149.26	-6,044.57	3,568.26	3,427.44	140.82	25.339				
12,000.00	7,105.22	6,100.00	5,695.43	145.30	58.50	-61.86	-3,149.26	-6,044.57	3,512.51	3,368.56	143.94	24.402				
12,100.00	7,103.77	12,100.00	5,846.82	148.06	122.36	-64.98	-3,203.45	-6,076.32	3,458.09	3,278.70	179.39	19.277				
12,200.00	7,102.33	6,326.21	5,904.89	150.84	61.03	-66.18	-3,223.48	-6,086.46	3,405.37	3,250.79	154.57	22.031				
12,300.00	7,100.89	6,337.40	5,915.35	153.61	61.13	-66.40	-3,227.11	-6,088.10	3,354.60	3,196.33	158.27	21.195				
12,400.00	7,099.44	6,348.59	5,925.80	156.39	61.24	-66.62	-3,230.75	-6,089.74	3,306.03	3,143.97	162.06	20.400				
12,500.00	7,098.00	6,359.77	5,936.24	159.17	61.35	-66.83	-3,234.39	-6,091.37	3,259.75	3,093.82	165.94	19.644				
12,600.00	7,096.56	6,370.94	5,946.67	161.95	61.45	-67.05	-3,238.05	-6,093.00	3,215.87	3,045.98	169.90	18.928				
12,700.00	7,095.12	6,382.10	5,957.09	164.73	61.56	-67.27	-3,241.71	-6,094.63	3,174.49	3,000.55	173.94	18.251				
12,800.00	7,093.67	6,393.25	5,967.49	167.52	61.67	-67.48	-3,245.38	-6,096.26	3,135.70	2,957.65	178.05	17.611				
12,900.00	7,092.23	6,405.33	5,978.75	170.31	61.78	-67.72	-3,249.38	-6,098.02	3,099.59	2,917.35	182.24	17.008				
13,000.00	7,090.79	6,418.43	5,990.97	173.09	61.91	-67.97	-3,253.72	-6,099.89	3,066.27	2,879.75	186.51	16.440				
13,100.00	7,089.34	6,430.96	6,002.66	175.89	62.02	-68.22	-3,257.90	-6,101.64	3,035.82	2,845.00	190.82	15.909				
13,200.00	7,087.90	6,442.97	6,013.85	178.68	62.14	-68.45	-3,261.91	-6,103.29	3,008.32	2,813.19	195.14	15.416				
13,300.00	7,086.46	6,454.47	6,024.58	181.47	62.24	-68.68	-3,265.78	-6,104.83	2,983.88	2,784.42	199.46	14.960				
13,400.00	7,085.01	6,465.51	6,034.87	184.27	62.35	-68.89	-3,269.50	-6,106.28	2,962.56	2,758.80	203.76	14.539				
13,500.00	7,083.57	6,476.11	6,044.75	187.07	62.45	-69.10	-3,273.08	-6,107.64	2,944.44	2,736.41	208.03	14.154				
13,600.00	7,082.13	6,486.30	6,054.25	189.86	62.54	-69.30	-3,276.54	-6,108.93	2,929.58	2,717.34	212.24	13.803				
13,700.00	7,080.68	6,496.09	6,063.38	192.66	62.64	-69.49	-3,279.87	-6,110.14	2,918.03	2,701.66	216.37	13.486				
13,800.00	7,079.24	6,502.10	6,125.15	195.47	63.19	-70.79	-3,301.87	-6,117.63	2,909.76	2,687.97	221.79	13.119				
13,900.00	7,077.80	13,900.00	6,125.06	198.27	123.76	-70.78	-3,301.47	-6,117.27	2,904.40	2,638.58	265.83	10.926				
13,996.32	7,076.41	13,996.32	6,134.52	200.97	124.56	-70.98	-3,304.77	-6,118.36	2,902.82	2,632.30	270.52	10.731	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 13C-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 13C-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 #6-24D - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
14,000.00	7,076.36	14,000.00	6,134.88	201.07	124.59	-70.99	-3,304.90	-6,118.40	2,902.82	2,632.13	270.69	10.724 ES		
14,100.00	7,074.91	6,663.66	6,221.21	203.88	63.92	-72.78	-3,333.52	-6,126.78	2,904.45	2,669.54	234.91	12.364		
14,200.00	7,073.47	6,682.19	6,238.85	206.68	64.05	-73.15	-3,339.05	-6,128.14	2,909.44	2,670.85	238.59	12.194		
14,300.00	7,072.03	6,698.13	6,254.04	209.49	64.15	-73.46	-3,343.73	-6,129.23	2,917.81	2,675.79	242.01	12.056		
14,400.00	7,070.58	6,711.98	6,267.27	212.30	64.24	-73.74	-3,347.76	-6,130.12	2,929.53	2,684.36	245.17	11.949		
14,500.00	7,069.14	14,500.00	6,241.77	215.11	116.39	-73.21	-3,339.80	-6,128.18	2,944.59	2,656.55	288.04	10.223 SF		
14,600.00	7,067.70	6,720.60	6,275.50	217.92	64.28	-73.91	-3,350.27	-6,130.64	2,962.96	2,712.60	250.36	11.835		
14,700.00	7,066.25	6,726.83	6,281.45	220.73	64.31	-74.03	-3,352.07	-6,131.01	2,984.54	2,731.90	252.65	11.813		
14,800.00	7,064.81	6,732.65	6,287.01	223.54	64.34	-74.14	-3,353.75	-6,131.34	3,009.28	2,754.60	254.69	11.816		
14,900.00	7,063.37	6,738.10	6,292.22	226.35	64.37	-74.25	-3,355.32	-6,131.64	3,037.11	2,780.63	256.48	11.842		
15,000.00	7,061.92	6,743.20	6,297.10	229.16	64.40	-74.35	-3,356.79	-6,131.91	3,067.93	2,809.90	258.03	11.890		
15,100.00	7,060.48	6,748.01	6,301.70	231.98	64.43	-74.45	-3,358.17	-6,132.16	3,101.67	2,842.31	259.35	11.959		
15,200.00	7,059.04	6,752.53	6,306.03	234.79	64.45	-74.53	-3,359.46	-6,132.39	3,138.22	2,877.77	260.45	12.049		
15,300.00	7,057.60	6,756.80	6,310.11	237.61	64.47	-74.62	-3,360.68	-6,132.60	3,177.50	2,916.17	261.33	12.159		
15,400.00	7,056.15	6,760.83	6,313.97	240.42	64.50	-74.70	-3,361.83	-6,132.80	3,219.39	2,957.39	262.00	12.288		
15,500.00	7,054.71	6,764.65	6,317.63	243.24	64.52	-74.77	-3,362.92	-6,132.97	3,263.81	3,001.33	262.49	12.434		
15,600.00	7,053.27	6,768.27	6,321.09	246.05	64.54	-74.85	-3,363.95	-6,133.14	3,310.66	3,047.86	262.79	12.598		
15,687.75	7,052.00	6,771.29	6,323.98	248.53	64.55	-74.90	-3,364.81	-6,133.28	3,353.67	3,090.75	262.92	12.755		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	23.18	2,345.76	1,004.28	2,551.76					
100.00	100.00	79.30	79.30	3.28	3.28	23.18	2,345.77	1,004.35	2,551.74	2,545.17	6.57	388.446		
200.00	200.00	179.69	179.69	3.34	3.33	23.18	2,345.81	1,004.54	2,551.85	2,545.19	6.66	382.949		
300.00	300.00	278.55	278.55	3.44	3.42	23.18	2,345.87	1,004.67	2,551.96	2,545.09	6.87	371.586		
400.00	399.98	376.97	376.97	3.60	3.57	-90.50	2,346.03	1,004.72	2,552.14	2,544.97	7.16	356.227		
500.00	499.84	475.56	475.56	3.79	3.75	-90.62	2,346.32	1,004.60	2,552.41	2,544.87	7.54	338.327		
600.00	599.45	572.01	572.01	4.03	3.97	-90.81	2,346.71	1,004.42	2,552.82	2,544.82	8.00	319.215		
700.00	698.70	672.42	672.41	4.30	4.23	-91.08	2,347.26	1,004.08	2,553.40	2,544.87	8.53	299.407		
800.00	797.47	775.21	775.20	4.61	4.52	-91.44	2,347.75	1,003.56	2,554.00	2,544.87	9.13	279.802		
900.00	895.62	873.29	873.28	4.96	4.81	-91.86	2,348.13	1,003.01	2,554.71	2,544.95	9.77	261.496		
1,000.00	993.06	968.80	968.79	5.34	5.12	-92.33	2,348.49	1,002.60	2,555.77	2,545.32	10.45	244.462		
1,100.00	1,089.64	1,329.26	1,328.65	5.75	6.45	-94.37	2,331.86	1,002.60	2,554.39	2,542.27	12.13	210.645		
1,110.48	1,099.71	1,347.13	1,346.41	5.80	6.53	-94.49	2,329.96	1,002.46	2,553.51	2,541.27	12.24	208.669		
1,200.00	1,185.67	1,569.47	1,566.78	6.20	7.57	-95.72	2,300.67	1,000.37	2,544.45	2,530.99	13.46	189.077		
1,300.00	1,281.70	1,848.30	1,839.16	6.67	9.22	-97.04	2,241.45	1,001.83	2,525.98	2,510.97	15.01	168.315		
1,400.00	1,377.72	1,972.65	1,959.47	7.16	10.03	-97.58	2,210.10	1,003.53	2,505.30	2,489.29	16.00	156.539		
1,500.00	1,473.75	2,151.82	2,131.62	7.66	11.25	-98.34	2,160.57	1,006.51	2,482.52	2,465.29	17.23	144.082		
1,600.00	1,569.77	2,436.08	2,400.50	8.17	13.41	-99.59	2,068.64	1,007.24	2,455.69	2,436.87	18.82	130.501		
1,700.00	1,665.80	1,700.00	2,614.77	8.69	7.66	-100.57	1,978.67	1,007.36	2,422.95	2,407.53	15.42	157.115		
1,800.00	1,761.82	2,800.00	2,733.00	9.22	16.86	-101.10	1,921.27	1,007.36	2,384.38	2,363.08	21.29	111.972		
1,900.00	1,857.85	2,844.19	2,772.94	9.76	17.28	-101.29	1,902.37	1,007.12	2,347.16	2,325.07	22.09	106.270		
2,000.00	1,953.87	2,900.00	2,824.11	10.30	17.80	-101.55	1,880.08	1,006.93	2,312.35	2,289.42	22.93	100.856		
2,100.00	2,049.90	3,040.54	2,952.38	10.84	19.08	-102.21	1,822.70	1,006.14	2,277.16	2,253.15	24.01	94.823		
2,200.00	2,145.92	3,100.00	3,006.40	11.39	19.65	-102.50	1,797.85	1,005.77	2,241.22	2,216.33	24.89	90.055		
2,300.00	2,241.94	3,165.74	3,066.52	11.95	20.22	-102.84	1,771.27	1,005.09	2,206.59	2,180.81	25.77	85.611		
2,400.00	2,337.97	3,246.51	3,141.06	12.50	20.91	-103.30	1,740.20	1,003.55	2,173.60	2,146.90	26.70	81.413		
2,500.00	2,433.99	3,352.20	3,238.33	13.06	21.79	-103.92	1,698.94	1,001.09	2,140.17	2,112.49	27.68	77.322		
2,600.00	2,530.02	3,425.52	3,305.88	13.63	22.40	-104.38	1,670.51	998.83	2,107.07	2,078.48	28.59	73.703		
2,700.00	2,626.04	3,481.42	3,357.70	14.19	22.84	-104.74	1,649.61	997.38	2,075.58	2,046.11	29.47	70.433		
2,800.00	2,722.07	3,565.24	3,435.78	14.76	23.48	-105.28	1,619.16	995.96	2,045.53	2,015.12	30.41	67.265		
2,900.00	2,818.09	3,658.46	3,522.54	15.32	24.19	-105.86	1,585.07	995.24	2,015.65	1,984.27	31.38	64.241		
3,000.00	2,914.12	3,768.27	3,624.62	15.89	25.04	-106.55	1,544.60	994.90	1,985.83	1,953.45	32.38	61.334		
3,100.00	3,010.14	3,888.37	3,735.58	16.46	26.00	-107.30	1,498.65	995.54	1,954.94	1,921.54	33.40	58.537		
3,200.00	3,106.17	4,018.14	3,854.59	17.03	27.09	-108.11	1,446.95	996.66	1,922.73	1,888.30	34.42	55.856		
3,298.02	3,200.29	4,117.36	3,945.08	17.59	27.95	-108.77	1,406.25	996.84	1,890.07	1,854.68	35.39	53.410		
3,300.00	3,202.19	4,118.68	3,946.28	17.60	27.96	-108.76	1,405.71	996.83	1,889.41	1,854.00	35.41	53.363		
3,400.00	3,298.70	4,185.41	4,007.40	18.16	28.53	-108.55	1,378.92	996.05	1,856.42	1,820.07	36.35	51.072		
3,500.00	3,396.07	4,289.58	4,103.07	18.68	29.40	-108.52	1,337.78	993.98	1,823.11	1,785.82	37.29	48.893		
3,600.00	3,494.17	4,376.41	4,182.68	19.18	30.12	-108.28	1,303.17	992.09	1,788.49	1,750.30	38.20	46.822		
3,700.00	3,592.88	4,471.56	4,270.04	19.64	30.92	-107.98	1,265.50	989.84	1,753.18	1,714.09	39.09	44.850		
3,800.00	3,692.10	4,621.65	4,406.70	20.08	32.23	-107.72	1,203.65	985.22	1,715.19	1,675.26	39.93	42.952		
3,900.00	3,791.69	4,703.51	4,480.78	20.49	32.98	-107.09	1,168.98	982.18	1,675.04	1,634.24	40.79	41.062		
4,000.00	3,891.53	4,765.79	4,537.47	20.88	33.52	-106.35	1,143.30	979.67	1,635.04	1,593.39	41.66	39.251		
4,108.50	4,000.00	4,834.31	4,600.34	21.27	34.09	8.18	1,116.23	976.71	1,592.45	1,549.88	42.57	37.411		
4,200.00	4,091.50	4,900.00	4,661.11	21.58	34.61	8.22	1,091.39	974.37	1,557.66	1,514.35	43.31	35.961		
4,300.00	4,191.50	4,966.20	4,722.70	21.92	35.09	8.29	1,067.19	972.58	1,520.98	1,476.84	44.14	34.459		
4,400.00	4,291.50	5,039.97	4,791.62	22.27	35.62	8.39	1,040.92	971.12	1,485.46	1,440.49	44.96	33.038		
4,500.00	4,391.50	5,100.00	4,847.98	22.62	36.04	8.47	1,020.26	970.09	1,451.33	1,405.54	45.79	31.696		
4,600.00	4,491.50	5,168.92	4,913.14	22.97	36.47	8.58	997.82	969.36	1,419.10	1,372.49	46.61	30.448		
4,700.00	4,591.50	5,223.42	4,965.11	23.33	36.78	8.68	981.45	969.29	1,389.42	1,342.01	47.41	29.309		
4,800.00	4,691.50	5,273.12	5,012.99	23.69	37.04	8.77	968.11	969.31	1,362.86	1,314.70	48.16	28.296		
4,900.00	4,791.50	5,329.05	5,067.35	24.05	37.30	8.86	954.96	969.33	1,339.54	1,290.64	48.89	27.398		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	5,400.00	5,136.76	24.42	37.59	8.96	940.28	969.23	1,318.93	1,269.30	49.63	26.576		
5,100.00	4,991.50	5,458.53	5,194.32	24.78	37.81	9.02	929.66	968.98	1,300.74	1,250.45	50.29	25.864		
5,200.00	5,091.50	5,528.80	5,263.69	25.15	38.05	9.08	918.49	968.45	1,284.91	1,233.94	50.97	25.211		
5,300.00	5,191.50	5,603.87	5,338.03	25.53	38.30	9.12	908.06	967.82	1,271.05	1,219.40	51.64	24.612		
5,400.00	5,291.50	5,688.09	5,421.60	25.90	38.57	9.16	897.67	966.92	1,258.69	1,206.34	52.35	24.043		
5,500.00	5,391.50	5,768.62	5,501.64	26.28	38.81	9.17	888.84	965.77	1,247.65	1,194.63	53.03	23.529		
5,600.00	5,491.50	5,846.06	5,578.73	26.65	39.04	9.16	881.66	964.43	1,238.22	1,184.56	53.66	23.075		
5,700.00	5,591.50	5,925.47	5,657.91	27.03	39.26	9.14	875.82	962.96	1,230.65	1,176.35	54.29	22.667		
5,800.00	5,691.50	6,013.60	5,745.85	27.41	39.51	9.09	870.42	961.09	1,224.26	1,169.29	54.98	22.269		
5,900.00	5,791.50	6,101.86	5,833.97	27.80	39.76	9.03	865.89	959.05	1,218.83	1,163.17	55.65	21.901		
6,000.00	5,891.50	6,185.92	5,917.94	28.18	39.99	8.96	862.55	957.03	1,214.52	1,158.23	56.28	21.578		
6,100.00	5,991.50	6,259.64	5,991.62	28.57	40.19	8.88	860.85	955.12	1,211.87	1,155.07	56.80	21.334		
6,167.93	6,059.43	6,309.48	6,041.43	28.83	40.32	8.82	860.72	953.68	1,211.39	1,154.25	57.14	21.202 CC		
6,200.00	6,091.50	6,335.70	6,067.65	28.96	40.40	8.78	860.90	952.98	1,211.47	1,154.15	57.31	21.137 ES		
6,300.00	6,191.50	6,422.43	6,154.34	29.35	40.63	8.70	862.21	951.36	1,212.66	1,154.74	57.92	20.936		
6,400.00	6,291.50	6,531.13	6,263.02	29.74	40.93	8.60	863.94	949.57	1,214.00	1,155.23	58.77	20.658		
6,500.00	6,391.50	6,632.54	6,364.41	30.13	41.21	8.51	864.63	947.60	1,214.37	1,154.83	59.54	20.397		
6,600.00	6,491.50	6,716.33	6,448.17	30.52	41.45	8.45	866.24	946.57	1,216.04	1,155.92	60.12	20.227		
6,639.95	6,531.45	6,770.14	6,501.97	30.68	41.60	8.41	867.15	945.98	1,216.65	1,156.07	60.58	20.085		
6,650.00	6,541.50	6,783.68	6,515.51	30.72	41.64	100.25	867.29	945.81	1,216.74	1,156.05	60.69	20.049		
6,700.00	6,591.41	6,842.02	6,573.85	30.90	41.81	100.31	867.53	945.10	1,217.34	1,156.19	61.16	19.905		
6,750.00	6,640.95	6,897.08	6,628.90	31.09	41.96	100.53	867.45	944.70	1,218.43	1,156.81	61.62	19.775		
6,800.00	6,689.82	6,939.86	6,671.68	31.29	42.09	100.77	867.37	944.46	1,220.28	1,158.31	61.97	19.690		
6,850.00	6,737.71	6,981.23	6,713.05	31.49	42.20	101.04	867.55	944.08	1,223.26	1,160.91	62.35	19.620		
6,900.00	6,784.33	7,023.38	6,755.19	31.70	42.33	101.35	867.97	943.56	1,227.41	1,164.65	62.76	19.557		
6,950.00	6,829.39	7,065.78	6,797.59	31.92	42.45	101.68	868.55	942.86	1,232.75	1,169.53	63.22	19.500		
7,000.00	6,872.61	7,106.71	6,838.51	32.15	42.57	101.99	869.24	942.02	1,239.36	1,175.65	63.71	19.454		
7,050.00	6,913.73	7,145.98	6,877.75	32.41	42.68	102.26	870.02	941.08	1,247.37	1,183.14	64.23	19.420		
7,100.00	6,952.49	7,183.24	6,914.99	32.68	42.79	102.43	870.85	940.08	1,256.90	1,192.11	64.79	19.399		
7,150.00	6,988.66	7,217.87	6,949.60	32.98	42.89	102.47	871.72	939.06	1,268.05	1,202.67	65.39	19.394 SF		
7,200.00	7,022.01	7,249.62	6,981.32	33.31	42.99	102.33	872.59	938.12	1,280.95	1,214.94	66.01	19.405		
7,250.00	7,052.33	7,278.65	7,010.33	33.67	43.07	101.99	873.44	937.26	1,295.67	1,229.00	66.67	19.434		
7,300.00	7,079.44	7,305.20	7,036.85	34.07	43.15	101.43	874.28	936.46	1,312.26	1,244.90	67.36	19.480		
7,350.00	7,103.17	7,330.46	7,062.08	34.51	43.22	100.67	875.10	935.65	1,330.73	1,262.63	68.10	19.542		
7,400.00	7,123.38	7,352.46	7,084.06	34.98	43.29	99.60	875.85	934.87	1,351.03	1,282.19	68.84	19.625		
7,450.00	7,139.94	7,350.00	7,081.60	35.50	43.28	97.28	875.76	934.96	1,373.31	1,303.90	69.41	19.786		
7,500.00	7,152.75	7,350.00	7,081.60	36.05	43.28	94.82	875.76	934.96	1,397.44	1,327.42	70.02	19.958		
7,550.00	7,161.73	7,350.00	7,081.60	36.64	43.28	92.11	875.76	934.96	1,423.21	1,352.55	70.66	20.143		
7,600.00	7,166.82	7,350.00	7,081.60	37.26	43.28	89.20	875.76	934.96	1,450.36	1,379.06	71.30	20.341		
7,649.14	7,168.00	7,350.00	7,081.60	37.89	43.28	86.17	875.76	934.96	1,478.16	1,406.22	71.94	20.546		
7,700.00	7,167.27	7,350.00	7,081.60	38.57	43.28	86.17	875.76	934.96	1,508.01	1,435.41	72.60	20.771		
7,800.00	7,165.83	7,350.00	7,081.60	40.04	43.28	86.17	875.76	934.96	1,569.85	1,495.99	73.86	21.254		
7,900.00	7,164.38	7,350.00	7,081.60	41.66	43.28	86.17	875.76	934.96	1,635.47	1,560.42	75.05	21.792		
8,000.00	7,162.94	7,350.00	7,081.60	43.40	43.28	86.17	875.76	934.96	1,704.43	1,628.27	76.16	22.380		
8,100.00	7,161.50	7,350.00	7,081.60	45.26	43.28	86.17	875.76	934.96	1,776.35	1,699.16	77.19	23.014		
8,200.00	7,160.05	7,350.00	7,081.60	47.21	43.28	86.17	875.76	934.96	1,850.87	1,772.74	78.13	23.689		
8,300.00	7,158.61	7,350.00	7,081.60	49.26	43.28	86.17	875.76	934.96	1,927.71	1,848.71	79.00	24.402		
8,400.00	7,157.17	7,350.00	7,081.60	51.38	43.28	86.17	875.76	934.96	2,006.59	1,926.80	79.79	25.149		
8,500.00	7,155.73	7,350.00	7,081.60	53.57	43.28	86.17	875.76	934.96	2,087.27	2,006.76	80.51	25.925		
8,600.00	7,154.28	7,350.00	7,081.60	55.82	43.28	86.17	875.76	934.96	2,169.57	2,088.40	81.17	26.728		
8,700.00	7,152.84	7,350.00	7,081.60	58.12	43.28	86.17	875.76	934.96	2,253.30	2,171.53	81.77	27.555		
8,800.00	7,151.40	7,350.00	7,081.60	60.47	43.28	86.17	875.76	934.96	2,338.31	2,255.99	82.32	28.404		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	7,350.00	7,081.60	62.86	43.28	86.17	875.76	934.96	2,424.46	2,341.64	82.83	29.271		
9,000.00	7,148.51	7,350.00	7,081.60	65.28	43.28	86.17	875.76	934.96	2,511.64	2,428.35	83.29	30.156		
9,100.00	7,147.07	7,350.00	7,081.60	67.74	43.28	86.17	875.76	934.96	2,599.75	2,516.03	83.71	31.055		
9,200.00	7,145.62	7,350.00	7,081.60	70.23	43.28	86.17	875.76	934.96	2,688.68	2,604.58	84.10	31.969		
9,300.00	7,144.18	7,350.00	7,081.60	72.74	43.28	86.17	875.76	934.96	2,778.37	2,693.91	84.46	32.894		
9,400.00	7,142.74	7,350.00	7,081.60	75.28	43.28	86.17	875.76	934.96	2,868.74	2,783.94	84.80	33.831		
9,500.00	7,141.29	7,350.00	7,081.60	77.84	43.28	86.17	875.76	934.96	2,959.73	2,874.62	85.10	34.778		
9,600.00	7,139.85	7,350.00	7,081.60	80.42	43.28	86.17	875.76	934.96	3,051.28	2,965.89	85.39	35.733		
9,700.00	7,138.41	7,350.00	7,081.60	83.01	43.28	86.17	875.76	934.96	3,143.35	3,057.69	85.66	36.697		
9,800.00	7,136.97	7,350.00	7,081.60	85.62	43.28	86.17	875.76	934.96	3,235.89	3,149.98	85.91	37.668		
9,900.00	7,135.52	7,350.00	7,081.60	88.25	43.28	86.17	875.76	934.96	3,328.86	3,242.72	86.14	38.646		
10,000.00	7,134.08	7,350.00	7,081.60	90.89	43.28	86.17	875.76	934.96	3,422.22	3,335.87	86.36	39.629		
10,100.00	7,132.64	7,350.00	7,081.60	93.54	43.28	86.17	875.76	934.96	3,515.96	3,429.39	86.56	40.618		
10,200.00	7,131.19	7,350.00	7,081.60	96.20	43.28	86.17	875.76	934.96	3,610.02	3,523.27	86.75	41.612		
10,300.00	7,129.75	7,350.00	7,081.60	98.87	43.28	86.17	875.76	934.96	3,704.40	3,617.47	86.94	42.610		
10,400.00	7,128.31	7,350.00	7,081.60	101.55	43.28	86.17	875.76	934.96	3,799.07	3,711.96	87.11	43.612		
10,500.00	7,126.86	7,350.00	7,081.60	104.24	43.28	86.17	875.76	934.96	3,894.00	3,806.73	87.27	44.618		
10,600.00	7,125.42	7,350.00	7,081.60	106.94	43.28	86.17	875.76	934.96	3,989.18	3,901.75	87.43	45.627		
10,700.00	7,123.98	7,350.00	7,081.60	109.64	43.28	86.17	875.76	934.96	4,084.59	3,997.02	87.58	46.639		
10,800.00	7,122.53	7,350.00	7,081.60	112.36	43.28	86.17	875.76	934.96	4,180.22	4,092.50	87.72	47.654		
10,900.00	7,121.09	7,350.00	7,081.60	115.08	43.28	86.17	875.76	934.96	4,276.05	4,188.19	87.86	48.671		
11,000.00	7,119.65	7,350.00	7,081.60	117.80	43.28	86.17	875.76	934.96	4,372.06	4,284.07	87.99	49.690		
11,100.00	7,118.20	7,350.00	7,081.60	120.53	43.28	86.17	875.76	934.96	4,468.25	4,380.13	88.11	50.711		
11,200.00	7,116.76	7,350.00	7,081.60	123.26	43.28	86.17	875.76	934.96	4,564.60	4,476.37	88.23	51.734		
11,300.00	7,115.32	7,350.00	7,081.60	126.00	43.28	86.17	875.76	934.96	4,661.10	4,572.75	88.35	52.758		
11,400.00	7,113.88	7,350.00	7,081.60	128.75	43.28	86.17	875.76	934.96	4,757.75	4,669.29	88.46	53.784		
11,500.00	7,112.43	7,350.00	7,081.60	131.50	43.28	86.17	875.76	934.96	4,854.54	4,765.97	88.57	54.811		
11,600.00	7,110.99	7,350.00	7,081.60	134.25	43.28	86.17	875.76	934.96	4,951.45	4,862.78	88.67	55.838		
11,700.00	7,109.55	7,350.00	7,081.60	137.01	43.28	86.17	875.76	934.96	5,048.48	4,959.71	88.78	56.867		
11,800.00	7,108.10	7,350.00	7,081.60	139.77	43.28	86.17	875.76	934.96	5,145.63	5,056.75	88.88	57.896		
11,900.00	7,106.66	7,350.00	7,081.60	142.53	43.28	86.17	875.76	934.96	5,242.88	5,153.91	88.97	58.926		
12,000.00	7,105.22	7,350.00	7,081.60	145.30	43.28	86.17	875.76	934.96	5,340.24	5,251.17	89.07	59.956		
12,100.00	7,103.77	7,350.00	7,081.60	148.06	43.28	86.17	875.76	934.96	5,437.69	5,348.53	89.16	60.987		
12,200.00	7,102.33	7,350.00	7,081.60	150.84	43.28	86.17	875.76	934.96	5,535.23	5,445.98	89.25	62.018		
12,300.00	7,100.89	7,350.00	7,081.60	153.61	43.28	86.17	875.76	934.96	5,632.86	5,543.52	89.34	63.048		
12,400.00	7,099.44	7,350.00	7,081.60	156.39	43.28	86.17	875.76	934.96	5,730.57	5,641.14	89.43	64.079		
12,500.00	7,098.00	7,350.00	7,081.60	159.17	43.28	86.17	875.76	934.96	5,828.36	5,738.85	89.52	65.110		
12,600.00	7,096.56	7,350.00	7,081.60	161.95	43.28	86.17	875.76	934.96	5,926.22	5,836.62	89.60	66.141		
12,700.00	7,095.12	7,350.00	7,081.60	164.73	43.28	86.17	875.76	934.96	6,024.16	5,934.47	89.68	67.171		
12,800.00	7,093.67	7,350.00	7,081.60	167.52	43.28	86.17	875.76	934.96	6,122.16	6,032.39	89.77	68.202		
12,900.00	7,092.23	7,350.00	7,081.60	170.31	43.28	86.17	875.76	934.96	6,220.22	6,130.37	89.85	69.231		
13,000.00	7,090.79	7,350.00	7,081.60	173.09	43.28	86.17	875.76	934.96	6,318.34	6,228.41	89.93	70.261		
13,100.00	7,089.34	7,350.00	7,081.60	175.89	43.28	86.17	875.76	934.96	6,416.52	6,326.52	90.01	71.289		
13,200.00	7,087.90	7,350.00	7,081.60	178.68	43.28	86.17	875.76	934.96	6,514.76	6,424.67	90.09	72.318		
13,300.00	7,086.46	7,350.00	7,081.60	181.47	43.28	86.17	875.76	934.96	6,613.05	6,522.89	90.16	73.345		
13,400.00	7,085.01	7,350.00	7,081.60	184.27	43.28	86.17	875.76	934.96	6,711.39	6,621.15	90.24	74.372		
13,500.00	7,083.57	7,350.00	7,081.60	187.07	43.28	86.17	875.76	934.96	6,809.78	6,719.46	90.32	75.398		
13,600.00	7,082.13	7,350.00	7,081.60	189.86	43.28	86.17	875.76	934.96	6,908.21	6,817.82	90.39	76.423		
13,700.00	7,080.68	7,350.00	7,081.60	192.66	43.28	86.17	875.76	934.96	7,006.69	6,916.22	90.47	77.448		
13,800.00	7,079.24	7,350.00	7,081.60	195.47	43.28	86.17	875.76	934.96	7,105.21	7,014.67	90.55	78.471		
13,900.00	7,077.80	7,350.00	7,081.60	198.27	43.28	86.17	875.76	934.96	7,203.78	7,113.16	90.62	79.494		
14,000.00	7,076.36	7,350.00	7,081.60	201.07	43.28	86.17	875.76	934.96	7,302.38	7,211.68	90.70	80.515		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,074.91	7,350.00	7,081.60	203.88	43.28	86.17	875.76	934.96	7,401.02	7,310.25	90.77	81.536	
14,200.00	7,073.47	7,350.00	7,081.60	206.68	43.28	86.17	875.76	934.96	7,499.69	7,408.85	90.84	82.555	
14,300.00	7,072.03	7,350.00	7,081.60	209.49	43.28	86.17	875.76	934.96	7,598.40	7,507.48	90.92	83.573	
14,400.00	7,070.58	7,350.00	7,081.60	212.30	43.28	86.17	875.76	934.96	7,697.14	7,606.15	90.99	84.590	
14,500.00	7,069.14	7,350.00	7,081.60	215.11	43.28	86.17	875.76	934.96	7,795.92	7,704.85	91.07	85.606	
14,600.00	7,067.70	7,350.00	7,081.60	217.92	43.28	86.17	875.76	934.96	7,894.72	7,803.58	91.14	86.620	
14,700.00	7,066.25	7,350.00	7,081.60	220.73	43.28	86.17	875.76	934.96	7,993.56	7,902.34	91.22	87.634	
14,800.00	7,064.81	7,350.00	7,081.60	223.54	43.28	86.17	875.76	934.96	8,092.42	8,001.13	91.29	88.646	
14,900.00	7,063.37	7,350.00	7,081.60	226.35	43.28	86.17	875.76	934.96	8,191.32	8,099.95	91.36	89.656	
15,000.00	7,061.92	7,350.00	7,081.60	229.16	43.28	86.17	875.76	934.96	8,290.23	8,198.80	91.44	90.665	
15,100.00	7,060.48	7,350.00	7,081.60	231.98	43.28	86.17	875.76	934.96	8,389.18	8,297.67	91.51	91.673	
15,200.00	7,059.04	7,350.00	7,081.60	234.79	43.28	86.17	875.76	934.96	8,488.15	8,396.56	91.59	92.679	
15,300.00	7,057.60	7,350.00	7,081.60	237.61	43.28	86.17	875.76	934.96	8,587.14	8,495.48	91.66	93.684	
15,400.00	7,056.15	7,350.00	7,081.60	240.42	43.28	86.17	875.76	934.96	8,686.16	8,594.42	91.74	94.687	
15,500.00	7,054.71	7,350.00	7,081.60	243.24	43.28	86.17	875.76	934.96	8,785.19	8,693.38	91.81	95.689	
15,600.00	7,053.27	7,350.00	7,081.60	246.05	43.28	86.17	875.76	934.96	8,884.25	8,792.37	91.88	96.689	
15,687.75	7,052.00	7,350.00	7,081.60	248.53	43.28	86.17	875.76	934.96	8,971.20	8,879.25	91.95	97.566	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	2,149.65	2,051.17	3.28	27.08	93.09	-279.20	5,164.43	5,582.49					
100.00	100.00	2,200.00	2,096.33	3.28	28.23	92.95	-265.67	5,146.75	5,545.01	5,523.76	21.25	260.930		
200.00	200.00	2,258.96	2,149.15	3.34	29.56	92.78	-249.01	5,126.53	5,508.17	5,486.06	22.11	249.161		
300.00	300.00	2,300.00	2,185.87	3.44	30.49	92.65	-236.62	5,113.02	5,472.35	5,449.58	22.77	240.322		
400.00	399.98	2,548.83	2,410.17	3.60	35.97	-22.03	-171.11	5,027.77	5,434.69	5,408.56	26.12	208.042		
500.00	499.84	500.00	2,580.87	3.79	19.76	-23.04	-118.56	4,958.36	5,392.29	5,377.65	14.64	368.390		
600.00	599.45	600.00	2,724.95	4.03	23.43	-24.16	-65.73	4,895.80	5,344.59	5,326.29	18.30	292.126		
700.00	698.70	2,933.35	2,748.41	4.30	46.13	-24.77	-56.73	4,885.59	5,294.42	5,261.46	32.97	160.607		
800.00	797.47	2,959.75	2,771.44	4.61	46.86	-25.42	-48.26	4,875.86	5,242.54	5,208.75	33.80	155.125		
900.00	895.62	3,000.00	2,806.89	4.96	47.96	-26.18	-35.81	4,861.43	5,189.02	5,154.12	34.91	148.655		
1,000.00	993.06	3,000.00	2,806.89	5.34	47.96	-26.77	-35.81	4,861.43	5,133.77	5,098.41	35.36	145.189		
1,100.00	1,089.64	3,049.20	2,850.65	5.75	49.10	-27.68	-21.19	4,844.34	5,076.74	5,040.17	36.58	138.793		
1,110.48	1,099.71	3,052.70	2,853.77	5.80	49.18	-27.77	-20.17	4,843.14	5,070.68	5,033.98	36.69	138.195		
1,200.00	1,185.67	3,100.00	2,896.20	6.20	50.28	-28.05	-6.63	4,827.20	5,019.15	4,981.30	37.85	132.606		
1,300.00	1,281.70	3,221.61	3,005.10	6.67	53.05	-28.77	28.02	4,785.59	4,961.54	4,921.40	40.14	123.593		
1,400.00	1,377.72	3,272.35	3,050.59	7.16	54.21	-29.07	42.00	4,768.02	4,903.85	4,862.41	41.45	118.320		
1,500.00	1,473.75	3,300.00	3,075.50	7.66	54.84	-29.23	49.32	4,758.52	4,846.84	4,804.39	42.45	114.167		
1,600.00	1,569.77	3,337.58	3,109.58	8.17	55.58	-29.45	58.89	4,745.88	4,790.69	4,747.14	43.55	110.016		
1,700.00	1,665.80	3,364.02	3,133.74	8.69	56.09	-29.60	65.33	4,737.30	4,735.60	4,691.08	44.53	106.347		
1,800.00	1,761.82	3,400.00	3,166.86	9.22	56.80	-29.80	73.72	4,726.02	4,681.59	4,635.94	45.65	102.555		
1,900.00	1,857.85	3,495.91	3,255.23	9.76	58.51	-30.34	96.07	4,696.19	4,628.16	4,580.75	47.41	97.617		
2,000.00	1,953.87	3,554.37	3,308.88	10.30	59.58	-30.69	110.29	4,677.86	4,574.69	4,525.86	48.83	93.677		
2,100.00	2,049.90	3,610.24	3,360.14	10.84	60.59	-31.03	124.34	4,660.60	4,521.85	4,471.60	50.25	89.979		
2,200.00	2,145.92	3,666.61	3,412.09	11.39	61.56	-31.37	137.90	4,643.44	4,469.65	4,417.98	51.66	86.512		
2,300.00	2,241.94	3,700.00	3,443.03	11.95	62.14	-31.57	145.40	4,633.39	4,418.17	4,365.33	52.84	83.614		
2,400.00	2,337.97	3,754.27	3,493.61	12.50	62.95	-31.88	156.97	4,617.48	4,367.50	4,313.33	54.16	80.633		
2,500.00	2,433.99	4,240.14	3,936.23	13.06	72.89	-35.09	272.30	4,456.03	4,313.35	4,252.35	61.00	70.711		
2,600.00	2,530.02	4,284.69	3,975.08	13.63	74.14	-35.46	286.43	4,439.41	4,256.75	4,193.94	62.81	67.767		
2,700.00	2,626.04	4,300.00	3,988.41	14.19	74.57	-35.59	291.39	4,433.76	4,201.19	4,137.08	64.11	65.528		
2,800.00	2,722.07	4,341.83	4,025.05	14.76	75.61	-35.95	304.83	4,418.72	4,146.66	4,080.78	65.88	62.942		
2,900.00	2,818.09	4,367.97	4,048.17	15.32	76.26	-36.17	313.04	4,409.68	4,093.48	4,026.09	67.39	60.741		
3,000.00	2,914.12	4,400.00	4,076.71	15.89	77.06	-36.44	322.89	4,398.99	4,041.61	3,972.58	69.03	58.548		
3,100.00	3,010.14	4,430.59	4,104.17	16.46	77.68	-36.70	332.03	4,389.09	3,990.99	3,920.43	70.56	56.562		
3,200.00	3,106.17	4,469.41	4,139.29	17.03	78.46	-37.01	343.20	4,376.87	3,941.53	3,869.31	72.23	54.572		
3,298.02	3,200.29	4,526.65	4,191.48	17.59	79.58	-37.48	358.90	4,359.42	3,894.16	3,820.02	74.14	52.527		
3,300.00	3,202.19	4,529.13	4,193.75	17.60	79.63	-37.48	359.58	4,358.66	3,893.21	3,819.01	74.19	52.474		
3,400.00	3,298.70	4,633.02	4,288.25	18.16	81.62	-37.67	388.31	4,326.45	3,846.24	3,769.47	76.77	50.101		
3,500.00	3,396.07	4,741.48	4,386.98	18.68	83.74	-37.90	417.73	4,292.52	3,802.01	3,722.60	79.42	47.873		
3,600.00	3,494.17	4,847.58	4,483.33	19.18	85.87	-38.11	445.71	4,258.05	3,759.46	3,677.41	82.05	45.819		
3,700.00	3,592.88	5,057.65	4,672.46	19.64	90.52	-39.09	503.26	4,187.04	3,719.42	3,632.98	86.44	43.030		
3,800.00	3,692.10	5,187.92	4,787.80	20.08	93.84	-39.51	540.48	4,139.30	3,679.43	3,589.50	89.93	40.915		
3,900.00	3,791.69	5,316.66	4,901.04	20.49	97.32	-39.92	577.49	4,090.50	3,641.27	3,547.74	93.53	38.931		
4,000.00	3,891.53	5,396.88	4,971.90	20.88	99.48	-39.98	599.35	4,059.91	3,605.66	3,509.48	96.19	37.485		
4,108.50	4,000.00	5,600.47	5,152.61	21.27	104.83	72.93	650.42	3,981.32	3,570.07	3,469.28	100.80	35.418		
4,200.00	4,091.50	5,665.61	5,210.75	21.58	106.48	72.57	664.37	3,955.46	3,539.56	3,436.73	102.83	34.421		
4,300.00	4,191.50	5,724.57	5,263.94	21.92	107.89	72.27	675.56	3,932.63	3,506.95	3,402.14	104.81	33.459		
4,400.00	4,291.50	5,771.66	5,306.84	22.27	108.91	72.04	683.90	3,915.08	3,475.62	3,369.05	106.58	32.612		
4,500.00	4,391.50	6,000.00	5,513.32	22.62	114.29	70.86	725.23	3,826.95	3,443.44	3,332.99	110.45	31.176		
4,600.00	4,491.50	6,049.62	5,557.78	22.97	115.45	70.59	734.21	3,806.84	3,409.80	3,297.41	112.39	30.339		
4,700.00	4,591.50	6,100.00	5,603.82	23.33	116.64	70.35	741.87	3,787.87	3,377.97	3,263.66	114.31	29.552		
4,800.00	4,691.50	6,100.00	5,603.82	23.69	116.64	70.35	741.87	3,787.87	3,347.86	3,232.18	115.69	28.939		
4,900.00	4,791.50	6,148.77	5,649.18	24.05	117.39	70.14	748.10	3,771.09	3,319.40	3,202.14	117.26	28.307		

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 13C-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 13C-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	4,891.50	6,200.00	5,697.61	24.42	118.19	69.95	753.65	3,755.35	3,293.21	3,174.39	118.82	27.716		
5,100.00	4,991.50	6,200.00	5,697.61	24.78	118.19	69.95	753.65	3,755.35	3,268.64	3,148.56	120.08	27.220		
5,200.00	5,091.50	6,260.59	5,755.77	25.15	118.74	69.78	758.15	3,739.01	3,245.77	3,124.44	121.33	26.752		
5,300.00	5,191.50	6,300.00	5,794.01	25.53	119.10	69.69	759.52	3,729.61	3,224.56	3,102.06	122.50	26.322		
5,400.00	5,291.50	6,343.00	5,836.03	25.90	119.31	69.63	760.03	3,720.46	3,205.08	3,081.58	123.50	25.953		
5,500.00	5,391.50	6,400.00	5,892.08	26.28	119.59	69.57	759.80	3,710.13	3,187.60	3,063.20	124.41	25.623		
5,600.00	5,491.50	6,400.00	5,892.08	26.65	119.59	69.57	759.80	3,710.13	3,171.86	3,046.45	125.41	25.292		
5,700.00	5,591.50	6,455.11	5,946.57	27.03	119.74	69.52	759.21	3,701.95	3,157.91	3,031.72	126.18	25.026		
5,800.00	5,691.50	6,500.00	5,991.12	27.41	119.86	69.49	758.94	3,696.48	3,146.09	3,019.14	126.95	24.781		
5,900.00	5,791.50	6,500.00	5,991.12	27.80	119.86	69.49	758.94	3,696.48	3,136.55	3,008.81	127.74	24.554		
6,000.00	5,891.50	6,551.00	6,041.91	28.18	119.94	69.46	759.04	3,691.86	3,128.74	3,000.36	128.38	24.370		
6,100.00	5,991.50	6,600.00	6,090.84	28.57	120.02	69.43	759.72	3,689.27	3,123.70	2,994.70	129.00	24.215		
6,200.00	6,091.50	6,620.68	6,111.50	28.96	120.04	69.42	760.10	3,688.60	3,120.42	2,990.86	129.56	24.085		
6,300.00	6,191.50	6,690.04	6,180.83	29.35	120.11	69.39	761.09	3,686.93	3,118.66	2,988.57	130.09	23.973		
6,400.00	6,291.50	6,782.74	6,273.51	29.74	120.20	69.37	762.04	3,685.50	3,117.57	2,986.95	130.62	23.867		
6,500.00	6,391.50	6,892.34	6,383.10	30.13	120.31	69.34	763.04	3,683.78	3,116.43	2,985.26	131.17	23.759		
6,600.00	6,491.50	6,996.38	6,487.11	30.52	120.42	69.31	763.98	3,681.85	3,115.02	2,983.30	131.72	23.649		
6,639.95	6,531.45	7,032.06	6,522.78	30.68	120.46	69.30	764.41	3,681.16	3,114.46	2,982.52	131.94	23.606		
6,648.65	6,540.15	7,039.71	6,530.44	30.71	120.47	161.15	764.51	3,681.01	3,114.40	2,982.42	131.98	23.597 CC		
6,650.00	6,541.50	7,040.90	6,531.62	30.72	120.47	161.15	764.53	3,680.99	3,114.40	2,982.41	131.99	23.596 ES		
6,700.00	6,591.41	7,084.84	6,575.56	30.90	120.51	161.09	765.21	3,680.17	3,116.41	2,984.18	132.23	23.568 SF		
6,750.00	6,640.95	7,133.85	6,624.54	31.09	120.57	160.94	766.14	3,679.27	3,122.19	2,989.74	132.45	23.572		
6,800.00	6,689.82	7,185.07	6,675.75	31.29	120.62	160.69	767.30	3,678.22	3,131.61	2,998.96	132.65	23.608		
6,850.00	6,737.71	7,239.43	6,730.07	31.49	120.68	160.36	768.64	3,677.00	3,144.58	3,011.76	132.82	23.675		
6,900.00	6,784.33	7,294.17	6,784.78	31.70	120.74	159.92	769.86	3,675.69	3,160.98	3,028.02	132.96	23.774		
6,950.00	6,829.39	7,338.63	6,829.22	31.92	120.79	159.36	770.76	3,674.59	3,180.77	3,047.72	133.05	23.906		
7,000.00	6,872.61	7,380.33	6,870.90	32.15	120.84	158.64	771.59	3,673.60	3,203.92	3,070.80	133.12	24.069		
7,050.00	6,913.73	7,420.17	6,910.72	32.41	120.88	157.76	772.35	3,672.69	3,230.28	3,097.14	133.14	24.261		
7,100.00	6,952.49	7,457.86	6,948.39	32.68	120.93	156.67	772.97	3,671.89	3,259.70	3,126.56	133.14	24.483		
7,150.00	6,988.66	7,493.04	6,983.56	32.98	120.97	155.33	773.46	3,671.20	3,292.00	3,158.89	133.11	24.732		
7,200.00	7,022.01	7,522.26	7,012.78	33.31	121.00	153.65	773.81	3,670.66	3,327.01	3,193.96	133.05	25.006		
7,250.00	7,052.33	7,548.02	7,038.54	33.67	121.03	151.53	774.14	3,670.23	3,364.52	3,231.56	132.96	25.305		
7,300.00	7,079.44	7,571.05	7,061.56	34.07	121.05	148.84	774.44	3,669.88	3,404.30	3,271.45	132.85	25.625		
7,350.00	7,103.17	7,591.21	7,081.72	34.51	121.07	145.40	774.71	3,669.60	3,446.10	3,313.37	132.72	25.964		
7,400.00	7,123.38	7,610.81	7,101.31	34.98	121.10	140.97	774.97	3,669.34	3,489.65	3,357.06	132.59	26.320		
7,450.00	7,139.94	7,629.03	7,119.53	35.50	121.12	135.17	775.18	3,669.12	3,534.65	3,402.22	132.44	26.690		
7,500.00	7,152.75	7,643.25	7,133.75	36.05	121.13	127.44	775.32	3,668.94	3,580.84	3,448.57	132.27	27.071		
7,550.00	7,161.73	7,653.39	7,143.89	36.64	121.14	117.17	775.40	3,668.82	3,627.94	3,495.84	132.10	27.463		
7,600.00	7,166.82	7,650.00	7,140.50	37.26	121.14	103.55	775.38	3,668.86	3,675.66	3,543.75	131.91	27.864		
7,649.14	7,168.00	7,650.00	7,140.50	37.89	121.14	88.36	775.38	3,668.86	3,722.87	3,591.13	131.73	28.261		
7,700.00	7,167.27	7,650.00	7,140.50	38.57	121.14	88.36	775.38	3,668.86	3,771.82	3,640.27	131.55	28.672		
7,800.00	7,165.83	7,650.00	7,140.50	40.04	121.14	88.36	775.38	3,668.86	3,868.20	3,736.99	131.22	29.479		
7,900.00	7,164.38	7,650.00	7,140.50	41.66	121.14	88.36	775.38	3,668.86	3,964.77	3,833.86	130.91	30.287		
8,000.00	7,162.94	7,650.00	7,140.50	43.40	121.14	88.36	775.38	3,668.86	4,061.50	3,930.88	130.62	31.094		
8,100.00	7,161.50	7,650.00	7,140.50	45.26	121.14	88.36	775.38	3,668.86	4,158.38	4,028.03	130.35	31.901		
8,200.00	7,160.05	7,650.00	7,140.50	47.21	121.14	88.36	775.38	3,668.86	4,255.41	4,125.30	130.11	32.707		
8,300.00	7,158.61	7,650.00	7,140.50	49.26	121.14	88.36	775.38	3,668.86	4,352.57	4,222.70	129.87	33.514		
8,400.00	7,157.17	7,650.00	7,140.50	51.38	121.14	88.36	775.38	3,668.86	4,449.86	4,320.20	129.66	34.320		
8,500.00	7,155.73	7,650.00	7,140.50	53.57	121.14	88.36	775.38	3,668.86	4,547.27	4,417.81	129.46	35.126		
8,600.00	7,154.28	7,650.00	7,140.50	55.82	121.14	88.36	775.38	3,668.86	4,644.78	4,515.52	129.27	35.931		
8,700.00	7,152.84	7,650.00	7,140.50	58.12	121.14	88.36	775.38	3,668.86	4,742.40	4,613.31	129.09	36.736		
8,800.00	7,151.40	7,650.00	7,140.50	60.47	121.14	88.36	775.38	3,668.86	4,840.12	4,711.19	128.93	37.541		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	7,650.00	7,140.50	62.86	121.14	88.36	775.38	3,668.86	4,937.93	4,809.16	128.78	38.345		
9,000.00	7,148.51	7,650.00	7,140.50	65.28	121.14	88.36	775.38	3,668.86	5,035.83	4,907.19	128.63	39.149		
9,100.00	7,147.07	7,650.00	7,140.50	67.74	121.14	88.36	775.38	3,668.86	5,133.80	5,005.30	128.50	39.953		
9,200.00	7,145.62	7,650.00	7,140.50	70.23	121.14	88.36	775.38	3,668.86	5,231.85	5,103.48	128.37	40.756		
9,300.00	7,144.18	7,650.00	7,140.50	72.74	121.14	88.36	775.38	3,668.86	5,329.98	5,201.73	128.25	41.559		
9,400.00	7,142.74	7,650.00	7,140.50	75.28	121.14	88.36	775.38	3,668.86	5,428.17	5,300.03	128.14	42.361		
9,500.00	7,141.29	7,655.67	7,146.17	77.84	121.15	88.68	775.42	3,668.79	5,526.43	5,398.38	128.04	43.161		
9,600.00	7,139.85	7,655.38	7,145.87	80.42	121.15	88.66	775.42	3,668.80	5,624.75	5,496.80	127.95	43.962		
9,700.00	7,138.41	7,655.08	7,145.58	83.01	121.14	88.64	775.42	3,668.80	5,723.13	5,595.27	127.85	44.763		
9,800.00	7,136.97	7,654.79	7,145.29	85.62	121.14	88.63	775.41	3,668.80	5,821.56	5,693.79	127.77	45.564		
9,900.00	7,135.52	7,654.50	7,145.00	88.25	121.14	88.61	775.41	3,668.81	5,920.04	5,792.36	127.69	46.363		
10,000.00	7,134.08	7,654.22	7,144.71	90.89	121.14	88.59	775.41	3,668.81	6,018.58	5,890.97	127.61	47.163		
10,100.00	7,132.64	7,653.93	7,144.42	93.54	121.14	88.58	775.41	3,668.81	6,117.16	5,989.62	127.54	47.962		
10,200.00	7,131.19	7,653.64	7,144.14	96.20	121.14	88.56	775.40	3,668.82	6,215.79	6,088.31	127.48	48.760		
10,300.00	7,129.75	7,653.35	7,143.85	98.87	121.14	88.55	775.40	3,668.82	6,314.46	6,187.05	127.42	49.558		
10,400.00	7,128.31	7,653.07	7,143.57	101.55	121.14	88.53	775.40	3,668.82	6,413.18	6,285.82	127.36	50.355		
10,500.00	7,126.86	7,652.79	7,143.28	104.24	121.14	88.51	775.40	3,668.83	6,511.93	6,384.62	127.31	51.151		
10,600.00	7,125.42	7,652.50	7,143.00	106.94	121.14	88.50	775.40	3,668.83	6,610.72	6,483.46	127.26	51.947		
10,700.00	7,123.98	7,652.22	7,142.72	109.64	121.14	88.48	775.39	3,668.84	6,709.54	6,582.33	127.21	52.743		
10,800.00	7,122.53	7,651.94	7,142.44	112.36	121.14	88.47	775.39	3,668.84	6,808.40	6,681.23	127.17	53.537		
10,900.00	7,121.09	7,651.66	7,142.16	115.08	121.14	88.45	775.39	3,668.84	6,907.30	6,780.16	127.13	54.331		
11,000.00	7,119.65	7,651.38	7,141.88	117.80	121.14	88.43	775.39	3,668.85	7,006.22	6,879.12	127.10	55.124		
11,100.00	7,118.20	7,651.10	7,141.60	120.53	121.14	88.42	775.38	3,668.85	7,105.17	6,978.11	127.07	55.917		
11,200.00	7,116.76	7,650.82	7,141.32	123.26	121.14	88.40	775.38	3,668.85	7,204.16	7,077.12	127.04	56.709		
11,300.00	7,115.32	7,650.55	7,141.04	126.00	121.14	88.39	775.38	3,668.86	7,303.17	7,176.15	127.01	57.500		
11,400.00	7,113.88	7,650.27	7,140.77	128.75	121.14	88.37	775.38	3,668.86	7,402.20	7,275.21	126.99	58.290		
11,500.00	7,112.43	7,650.00	7,140.49	131.50	121.14	88.36	775.38	3,668.86	7,501.27	7,374.30	126.97	59.079		
11,600.00	7,110.99	7,649.72	7,140.22	134.25	121.14	88.34	775.37	3,668.86	7,600.35	7,473.40	126.95	59.868		
11,700.00	7,109.55	7,649.45	7,139.95	137.01	121.14	88.33	775.37	3,668.87	7,699.46	7,572.53	126.94	60.656		
11,800.00	7,108.10	7,649.18	7,139.67	139.77	121.14	88.31	775.37	3,668.87	7,798.60	7,671.67	126.92	61.443		
11,900.00	7,106.66	7,648.91	7,139.40	142.53	121.14	88.30	775.37	3,668.87	7,897.75	7,770.84	126.91	62.230		
12,000.00	7,105.22	7,648.63	7,139.13	145.30	121.14	88.28	775.36	3,668.88	7,996.93	7,870.03	126.91	63.015		
12,100.00	7,103.77	7,648.36	7,138.86	148.06	121.14	88.26	775.36	3,668.88	8,096.13	7,969.23	126.90	63.800		
12,200.00	7,102.33	7,648.10	7,138.59	150.84	121.14	88.25	775.36	3,668.88	8,195.34	8,068.45	126.90	64.583		
12,300.00	7,100.89	7,647.83	7,138.33	153.61	121.14	88.23	775.36	3,668.89	8,294.58	8,167.68	126.89	65.366		
12,400.00	7,099.44	7,647.56	7,138.06	156.39	121.14	88.22	775.36	3,668.89	8,393.83	8,266.94	126.89	66.148		
12,500.00	7,098.00	7,647.29	7,137.79	159.17	121.14	88.20	775.35	3,668.89	8,493.10	8,366.21	126.90	66.929		
12,600.00	7,096.56	7,647.03	7,137.53	161.95	121.14	88.19	775.35	3,668.90	8,592.39	8,465.49	126.90	67.710		
12,700.00	7,095.12	7,646.76	7,137.26	164.73	121.14	88.17	775.35	3,668.90	8,691.69	8,564.79	126.91	68.489		
12,800.00	7,093.67	7,646.50	7,137.00	167.52	121.14	88.16	775.35	3,668.90	8,791.01	8,664.10	126.91	69.267		
12,900.00	7,092.23	7,646.24	7,136.74	170.31	121.14	88.15	775.34	3,668.91	8,890.35	8,763.42	126.92	70.045		
13,000.00	7,090.79	7,645.98	7,136.47	173.09	121.13	88.13	775.34	3,668.91	8,989.70	8,862.76	126.94	70.821		
13,100.00	7,089.34	7,645.71	7,136.21	175.89	121.13	88.12	775.34	3,668.91	9,089.06	8,962.11	126.95	71.596		
13,200.00	7,087.90	7,645.45	7,135.95	178.68	121.13	88.10	775.34	3,668.92	9,188.44	9,061.48	126.96	72.371		
13,300.00	7,086.46	7,645.19	7,135.69	181.47	121.13	88.09	775.34	3,668.92	9,287.83	9,160.85	126.98	73.144		
13,400.00	7,085.01	7,644.93	7,135.43	184.27	121.13	88.07	775.33	3,668.92	9,387.23	9,260.24	127.00	73.917		
13,500.00	7,083.57	7,644.68	7,135.17	187.07	121.13	88.06	775.33	3,668.93	9,486.65	9,359.63	127.02	74.688		
13,600.00	7,082.13	7,644.42	7,134.92	189.86	121.13	88.04	775.33	3,668.93	9,586.08	9,459.04	127.04	75.458		
13,700.00	7,080.68	7,644.16	7,134.66	192.66	121.13	88.03	775.33	3,668.93	9,685.52	9,558.46	127.06	76.228		
13,800.00	7,079.24	7,643.91	7,134.41	195.47	121.13	88.01	775.32	3,668.93	9,784.97	9,657.89	127.08	76.996		
13,900.00	7,077.80	7,643.65	7,134.15	198.27	121.13	88.00	775.32	3,668.94	9,884.43	9,757.32	127.11	77.763		
14,000.00	7,076.36	7,643.40	7,133.90	201.07	121.13	87.99	775.32	3,668.94	9,983.91	9,856.77	127.14	78.529		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 13C-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 13C-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	96.40	-627.05	5,594.64	5,629.89					
100.00	100.00	1,415.38	1,398.47	3.28	9.53	96.07	-576.75	5,423.24	5,618.05	5,607.45	10.60	529.809		
200.00	200.00	1,937.92	1,901.09	3.34	15.01	96.24	-577.19	5,281.22	5,593.82	5,580.82	13.00	430.394		
300.00	300.00	2,246.79	2,191.85	3.44	19.76	96.42	-582.93	5,177.29	5,560.12	5,545.52	14.60	380.887		
400.00	399.98	2,300.00	2,241.76	3.60	20.66	-17.44	-582.51	5,158.87	5,524.02	5,509.07	14.95	369.531		
500.00	499.84	2,343.23	2,282.45	3.79	21.32	-17.69	-581.69	5,144.28	5,485.57	5,470.28	15.29	358.787		
600.00	599.45	2,951.78	2,846.54	4.03	33.23	-18.13	-563.64	4,918.63	5,444.17	5,425.67	18.50	294.342		
700.00	698.70	700.00	2,926.60	4.30	23.76	-18.54	-561.07	4,881.72	5,392.00	5,382.54	9.46	569.901		
800.00	797.47	3,135.57	3,013.13	4.61	37.85	-19.03	-557.53	4,841.24	5,336.48	5,316.67	19.82	269.295		
900.00	895.62	3,167.82	3,042.39	4.96	38.66	-19.52	-556.32	4,827.73	5,278.69	5,258.48	20.21	261.235		
1,000.00	993.06	3,200.00	3,071.71	5.34	39.46	-20.06	-555.18	4,814.52	5,218.98	5,198.36	20.62	253.116		
1,100.00	1,089.64	3,229.65	3,098.83	5.75	40.11	-20.64	-554.13	4,802.60	5,157.41	5,136.37	21.04	245.157		
1,110.48	1,099.71	3,232.76	3,101.69	5.80	40.17	-20.70	-554.01	4,801.37	5,150.85	5,129.76	21.09	244.206		
1,200.00	1,185.67	3,259.51	3,126.26	6.20	40.76	-20.74	-552.99	4,790.86	5,095.04	5,073.57	21.47	237.313		
1,300.00	1,281.70	3,300.00	3,163.64	6.67	41.64	-20.80	-551.32	4,775.37	5,033.43	5,011.46	21.96	229.178		
1,400.00	1,377.72	3,329.23	3,190.71	7.16	42.21	-20.85	-550.28	4,764.40	4,972.48	4,950.05	22.43	221.708		
1,500.00	1,473.75	3,373.66	3,231.96	7.66	43.07	-20.90	-549.49	4,747.90	4,912.14	4,889.16	22.98	213.730		
1,600.00	1,569.77	3,400.00	3,256.45	8.17	43.58	-20.93	-549.48	4,738.21	4,852.45	4,828.97	23.48	206.696		
1,700.00	1,665.80	3,432.94	3,287.20	8.69	44.13	-20.96	-549.73	4,726.40	4,793.57	4,769.56	24.02	199.592		
1,800.00	1,761.82	3,456.73	3,309.52	9.22	44.52	-20.98	-549.96	4,718.19	4,735.71	4,711.17	24.53	193.029		
1,900.00	1,857.85	3,500.00	3,350.37	9.76	45.24	-21.02	-550.51	4,703.93	4,678.98	4,653.83	25.15	186.053		
2,000.00	1,953.87	3,500.00	3,350.37	10.30	45.24	-21.02	-550.51	4,703.93	4,623.03	4,597.43	25.59	180.639		
2,100.00	2,049.90	3,500.00	3,350.37	10.84	45.24	-21.02	-550.51	4,703.93	4,568.58	4,542.53	26.05	175.375		
2,200.00	2,145.92	3,545.83	3,394.04	11.39	45.78	-21.07	-550.61	4,690.03	4,514.75	4,488.05	26.70	169.100		
2,300.00	2,241.94	3,600.00	3,446.19	11.95	46.42	-21.16	-549.28	4,675.46	4,462.89	4,435.50	27.39	162.953		
2,400.00	2,337.97	3,600.00	3,446.19	12.50	46.42	-21.16	-549.28	4,675.46	4,411.35	4,383.47	27.88	158.239		
2,500.00	2,433.99	4,209.40	4,023.89	13.06	55.16	-22.21	-533.20	4,484.94	4,359.19	4,328.64	30.55	142.683		
2,600.00	2,530.02	4,231.11	4,044.08	13.63	55.54	-22.24	-533.01	4,476.95	4,299.20	4,268.06	31.15	138.025		
2,700.00	2,626.04	4,259.51	4,070.59	14.19	56.05	-22.29	-532.75	4,466.77	4,240.19	4,208.41	31.78	133.432		
2,800.00	2,722.07	4,300.00	4,108.60	14.76	56.77	-22.35	-532.36	4,452.82	4,182.22	4,149.76	32.46	128.854		
2,900.00	2,818.09	4,398.25	4,200.92	15.32	58.40	-22.51	-531.75	4,419.20	4,124.71	4,091.39	33.32	123.777		
3,000.00	2,914.12	4,566.78	4,358.17	15.89	61.47	-22.76	-532.20	4,358.61	4,065.62	4,031.21	34.41	118.166		
3,100.00	3,010.14	4,745.29	4,523.24	16.46	65.11	-23.03	-533.01	4,290.67	4,004.77	3,969.27	35.50	112.817		
3,200.00	3,106.17	4,825.54	4,597.03	17.03	66.84	-23.17	-532.82	4,259.13	3,942.90	3,906.59	36.31	108.594		
3,298.02	3,200.29	4,875.00	4,642.62	17.59	67.89	-23.26	-532.47	4,239.94	3,882.68	3,845.65	37.03	104.847		
3,300.00	3,202.19	4,876.01	4,643.55	17.60	67.91	-23.25	-532.46	4,239.56	3,881.47	3,844.42	37.05	104.773		
3,400.00	3,298.70	4,946.11	4,708.33	18.16	69.37	-22.79	-531.70	4,212.78	3,821.85	3,784.02	37.83	101.014		
3,500.00	3,396.07	5,050.02	4,804.28	18.68	71.55	-22.41	-530.56	4,172.91	3,764.74	3,726.04	38.70	97.276		
3,600.00	3,494.17	5,600.00	4,926.17	19.18	38.69	-22.05	-530.27	4,120.28	3,709.07	3,677.91	31.16	119.022		
3,700.00	3,592.88	5,282.06	5,016.95	19.64	76.79	-21.66	-529.97	4,080.10	3,655.43	3,614.94	40.49	90.287		
3,800.00	3,692.10	5,300.00	5,033.36	20.08	77.21	-21.25	-529.99	4,072.86	3,605.35	3,564.16	41.19	87.522		
3,900.00	3,791.69	5,343.09	5,073.05	20.49	78.05	-20.88	-530.15	4,056.10	3,559.30	3,517.35	41.95	84.853		
4,000.00	3,891.53	5,400.00	5,126.23	20.88	79.16	-20.55	-530.61	4,035.84	3,518.46	3,475.73	42.73	82.348		
4,108.50	4,000.00	5,400.00	5,126.23	21.27	79.16	93.40	-530.61	4,035.84	3,478.50	3,435.07	43.43	80.086		
4,200.00	4,091.50	5,433.21	5,157.56	21.58	79.64	93.42	-530.96	4,024.85	3,448.26	3,404.19	44.08	78.236		
4,300.00	4,191.50	5,473.44	5,195.72	21.92	80.22	93.44	-531.37	4,012.09	3,416.65	3,371.86	44.79	76.289		
4,400.00	4,291.50	5,520.57	5,240.65	22.27	80.85	93.46	-531.83	3,997.87	3,386.53	3,341.02	45.51	74.416		
4,500.00	4,391.50	5,580.35	5,297.84	22.62	81.57	93.49	-532.39	3,980.48	3,357.53	3,311.28	46.26	72.585		
4,600.00	4,491.50	5,683.07	5,396.28	22.97	82.77	93.55	-533.86	3,951.18	3,329.15	3,282.05	47.11	70.675		
4,700.00	4,591.50	5,792.60	5,501.05	23.33	84.09	93.63	-536.18	3,919.34	3,300.25	3,252.27	47.98	68.790		
4,800.00	4,691.50	5,857.89	5,563.55	23.69	84.85	93.67	-537.28	3,900.52	3,271.58	3,222.82	48.75	67.108		
4,900.00	4,791.50	5,900.00	5,603.98	24.05	85.34	93.70	-537.98	3,888.72	3,243.99	3,194.51	49.47	65.569		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	5,965.83	5,667.40	24.42	85.99	93.74	-538.97	3,871.13	3,217.54	3,167.29	50.24	64.038		
5,100.00	4,991.50	6,000.00	5,700.46	24.78	86.34	93.75	-539.39	3,862.48	3,192.65	3,141.72	50.93	62.682		
5,200.00	5,091.50	6,053.90	5,752.82	25.15	86.75	93.78	-539.91	3,849.71	3,169.28	3,117.62	51.66	61.350		
5,300.00	5,191.50	6,100.00	5,797.83	25.53	87.11	93.80	-540.22	3,839.77	3,147.72	3,095.36	52.36	60.121		
5,400.00	5,291.50	6,100.00	5,797.83	25.90	87.11	93.80	-540.22	3,839.77	3,128.40	3,075.50	52.90	59.139		
5,500.00	5,391.50	6,157.89	5,854.71	26.28	87.40	93.82	-540.54	3,829.02	3,110.45	3,056.86	53.59	58.039		
5,600.00	5,491.50	6,200.00	5,896.34	26.65	87.62	93.83	-540.78	3,822.66	3,095.09	3,040.87	54.23	57.078		
5,700.00	5,591.50	6,200.00	5,896.34	27.03	87.62	93.83	-540.78	3,822.66	3,081.98	3,027.30	54.68	56.364		
5,800.00	5,691.50	6,265.78	5,961.63	27.41	87.81	93.84	-541.05	3,814.73	3,070.33	3,014.98	55.35	55.468		
5,900.00	5,791.50	6,300.00	5,995.69	27.80	87.90	93.85	-541.10	3,811.43	3,060.88	3,004.99	55.89	54.767		
6,000.00	5,891.50	6,361.54	6,057.04	28.18	88.02	93.86	-541.10	3,806.54	3,053.05	2,996.54	56.52	54.021		
6,100.00	5,991.50	6,416.23	6,111.62	28.57	88.13	93.86	-541.06	3,803.09	3,046.74	2,989.64	57.10	53.356		
6,200.00	6,091.50	6,473.48	6,168.80	28.96	88.22	93.86	-540.91	3,800.30	3,041.86	2,984.17	57.69	52.732		
6,300.00	6,191.50	6,544.45	6,239.73	29.35	88.32	93.86	-540.52	3,797.79	3,038.25	2,979.93	58.32	52.094		
6,400.00	6,291.50	6,622.48	6,317.72	29.74	88.43	93.84	-539.64	3,795.55	3,035.33	2,976.34	58.99	51.457		
6,500.00	6,391.50	6,690.88	6,386.10	30.13	88.52	93.83	-538.74	3,794.25	3,033.34	2,973.74	59.60	50.896		
6,600.00	6,491.50	6,768.14	6,463.35	30.52	88.63	93.81	-537.77	3,793.49	3,032.26	2,972.01	60.25	50.329		
6,639.95	6,531.45	6,800.00	6,495.21	30.68	88.67	93.80	-537.42	3,793.32	3,032.03	2,971.52	60.51	50.106		
6,642.71	6,534.21	6,802.08	6,497.29	30.69	88.67	-174.35	-537.40	3,793.32	3,032.02	2,971.49	60.53	50.091 CC		
6,650.00	6,541.50	6,809.02	6,504.23	30.72	88.68	-174.35	-537.33	3,793.29	3,032.07	2,971.48	60.58	50.048 ES		
6,700.00	6,591.41	6,856.56	6,551.77	30.90	88.74	-174.34	-537.02	3,793.13	3,034.61	2,973.68	60.94	49.799		
6,750.00	6,640.95	6,905.81	6,601.01	31.09	88.81	-174.29	-536.98	3,792.98	3,041.09	2,979.80	61.29	49.617		
6,800.00	6,689.82	6,977.86	6,673.06	31.29	88.91	-174.22	-537.07	3,792.46	3,051.22	2,989.46	61.75	49.408		
6,850.00	6,737.71	7,033.03	6,728.23	31.49	88.98	-174.12	-537.12	3,791.76	3,064.86	3,002.74	62.12	49.339 SF		
6,900.00	6,784.33	7,079.87	6,775.06	31.70	89.05	-173.98	-537.15	3,791.13	3,082.19	3,019.77	62.43	49.373		
6,950.00	6,829.39	7,121.00	6,816.19	31.92	89.11	-173.80	-537.16	3,790.60	3,103.15	3,040.46	62.69	49.498		
7,000.00	6,872.61	7,157.23	6,852.41	32.15	89.16	-173.56	-537.24	3,790.21	3,127.68	3,064.76	62.92	49.709		
7,050.00	6,913.73	7,191.63	6,886.82	32.41	89.21	-173.26	-537.38	3,789.91	3,155.63	3,092.51	63.13	49.990		
7,100.00	6,952.49	7,226.59	6,921.77	32.68	89.26	-172.88	-537.56	3,789.67	3,186.80	3,123.48	63.32	50.327		
7,150.00	6,988.66	7,260.01	6,955.19	32.98	89.30	-172.41	-537.74	3,789.47	3,220.95	3,157.45	63.50	50.723		
7,200.00	7,022.01	7,290.80	6,985.98	33.31	89.35	-171.81	-537.89	3,789.32	3,257.87	3,194.22	63.66	51.179		
7,250.00	7,052.33	7,319.35	7,014.53	33.67	89.39	-171.04	-538.02	3,789.19	3,297.33	3,233.53	63.79	51.687		
7,300.00	7,079.44	7,345.12	7,040.30	34.07	89.43	-170.03	-538.14	3,789.10	3,339.06	3,275.15	63.91	52.246		
7,350.00	7,103.17	7,367.67	7,062.85	34.51	89.46	-168.64	-538.23	3,789.02	3,382.80	3,318.80	64.01	52.851		
7,400.00	7,123.38	7,386.86	7,082.05	34.98	89.48	-166.68	-538.31	3,788.97	3,428.29	3,364.21	64.08	53.497		
7,450.00	7,139.94	7,402.62	7,097.80	35.50	89.51	-163.72	-538.36	3,788.93	3,475.24	3,411.10	64.14	54.180		
7,500.00	7,152.75	7,414.89	7,110.07	36.05	89.53	-158.81	-538.41	3,788.90	3,523.35	3,459.17	64.19	54.894		
7,550.00	7,161.73	7,423.52	7,118.70	36.64	89.54	-149.48	-538.44	3,788.88	3,572.33	3,508.12	64.21	55.633		
7,600.00	7,166.82	7,428.45	7,123.63	37.26	89.54	-127.89	-538.45	3,788.87	3,621.88	3,557.65	64.23	56.391		
7,649.14	7,168.00	7,429.67	7,124.85	37.89	89.55	-81.28	-538.46	3,788.87	3,670.82	3,606.59	64.23	57.149		
7,700.00	7,167.27	7,429.08	7,124.26	38.57	89.55	-81.17	-538.45	3,788.87	3,721.51	3,657.28	64.23	57.938		
7,800.00	7,165.83	7,427.92	7,123.10	40.04	89.54	-80.95	-538.45	3,788.87	3,821.19	3,756.95	64.23	59.488		
7,900.00	7,164.38	7,426.76	7,121.94	41.66	89.54	-80.74	-538.45	3,788.87	3,920.88	3,856.64	64.24	61.035		
8,000.00	7,162.94	7,425.60	7,120.79	43.40	89.54	-80.52	-538.44	3,788.87	4,020.59	3,956.34	64.25	62.579		
8,100.00	7,161.50	7,424.45	7,119.63	45.26	89.54	-80.31	-538.44	3,788.88	4,120.31	4,056.05	64.26	64.121		
8,200.00	7,160.05	7,423.31	7,118.49	47.21	89.54	-80.10	-538.44	3,788.88	4,220.04	4,155.77	64.27	65.659		
8,300.00	7,158.61	7,422.16	7,117.34	49.26	89.54	-79.88	-538.43	3,788.88	4,319.79	4,255.50	64.29	67.196		
8,400.00	7,157.17	7,421.02	7,116.20	51.38	89.53	-79.67	-538.43	3,788.88	4,419.55	4,355.24	64.30	68.729		
8,500.00	7,155.73	7,419.89	7,115.07	53.57	89.53	-79.46	-538.42	3,788.89	4,519.31	4,454.99	64.32	70.260		
8,600.00	7,154.28	7,418.75	7,113.93	55.82	89.53	-79.25	-538.42	3,788.89	4,619.09	4,554.75	64.34	71.788		
8,700.00	7,152.84	7,417.62	7,112.80	58.12	89.53	-79.04	-538.42	3,788.89	4,718.88	4,654.51	64.37	73.313		
8,800.00	7,151.40	7,416.50	7,111.68	60.47	89.53	-78.84	-538.41	3,788.89	4,818.67	4,754.28	64.39	74.836		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	7,415.37	7,110.55	62.86	89.53	-78.63	-538.41	3,788.90	4,918.47	4,854.06	64.42	76.355		
9,000.00	7,148.51	7,414.25	7,109.43	65.28	89.52	-78.42	-538.41	3,788.90	5,018.28	4,953.84	64.44	77.872		
9,100.00	7,147.07	7,413.14	7,108.32	67.74	89.52	-78.22	-538.40	3,788.90	5,118.10	5,053.63	64.47	79.386		
9,200.00	7,145.62	7,412.02	7,107.20	70.23	89.52	-78.01	-538.40	3,788.90	5,217.93	5,153.43	64.50	80.898		
9,300.00	7,144.18	7,410.91	7,106.09	72.74	89.52	-77.81	-538.39	3,788.91	5,317.76	5,253.23	64.53	82.406		
9,400.00	7,142.74	7,409.81	7,104.99	75.28	89.52	-77.61	-538.39	3,788.91	5,417.59	5,353.03	64.56	83.911		
9,500.00	7,141.29	7,408.70	7,103.89	77.84	89.52	-77.41	-538.39	3,788.91	5,517.44	5,452.84	64.60	85.414		
9,600.00	7,139.85	7,407.60	7,102.79	80.42	89.51	-77.21	-538.38	3,788.92	5,617.28	5,552.65	64.63	86.913		
9,700.00	7,138.41	7,406.51	7,101.69	83.01	89.51	-77.01	-538.38	3,788.92	5,717.14	5,652.47	64.67	88.409		
9,800.00	7,136.97	7,405.41	7,100.60	85.62	89.51	-76.81	-538.37	3,788.92	5,817.00	5,752.29	64.70	89.903		
9,900.00	7,135.52	7,404.32	7,099.51	88.25	89.51	-76.61	-538.37	3,788.92	5,916.86	5,852.12	64.74	91.392		
10,000.00	7,134.08	7,403.24	7,098.42	90.89	89.51	-76.42	-538.37	3,788.93	6,016.72	5,951.94	64.78	92.879		
10,100.00	7,132.64	7,402.16	7,097.34	93.54	89.51	-76.22	-538.36	3,788.93	6,116.59	6,051.77	64.82	94.363		
10,200.00	7,131.19	7,401.07	7,096.26	96.20	89.51	-76.02	-538.36	3,788.93	6,216.47	6,151.61	64.86	95.843		
10,300.00	7,129.75	7,400.00	7,095.18	98.87	89.50	-75.83	-538.36	3,788.93	6,316.35	6,251.45	64.90	97.320		
10,400.00	7,128.31	7,398.94	7,094.12	101.55	89.50	-75.64	-538.35	3,788.94	6,416.23	6,351.28	64.95	98.793		
10,500.00	7,126.86	7,397.88	7,093.07	104.24	89.50	-75.45	-538.35	3,788.94	6,516.12	6,451.13	64.99	100.263		
10,600.00	7,125.42	7,396.83	7,092.01	106.94	89.50	-75.26	-538.34	3,788.94	6,616.00	6,550.97	65.04	101.730		
10,700.00	7,123.98	7,395.79	7,090.97	109.64	89.50	-75.07	-538.34	3,788.94	6,715.90	6,650.82	65.08	103.193		
10,800.00	7,122.53	7,394.74	7,089.92	112.36	89.50	-74.89	-538.34	3,788.95	6,815.79	6,750.66	65.13	104.652		
10,900.00	7,121.09	7,393.70	7,088.88	115.08	89.49	-74.70	-538.33	3,788.95	6,915.69	6,850.51	65.18	106.108		
11,000.00	7,119.65	7,392.66	7,087.84	117.80	89.49	-74.52	-538.33	3,788.95	7,015.59	6,950.36	65.22	107.560		
11,100.00	7,118.20	7,391.63	7,086.81	120.53	89.49	-74.33	-538.32	3,788.96	7,115.49	7,050.22	65.27	109.009		
11,200.00	7,116.76	7,390.60	7,085.78	123.26	89.49	-74.15	-538.32	3,788.96	7,215.40	7,150.07	65.33	110.453		
11,300.00	7,115.32	7,389.57	7,084.75	126.00	89.49	-73.97	-538.32	3,788.96	7,315.31	7,249.93	65.38	111.894		
11,400.00	7,113.88	7,388.55	7,083.73	128.75	89.49	-73.79	-538.31	3,788.96	7,415.22	7,349.79	65.43	113.331		
11,500.00	7,112.43	7,387.53	7,082.71	131.50	89.49	-73.61	-538.31	3,788.97	7,515.13	7,449.65	65.48	114.764		
11,600.00	7,110.99	7,386.51	7,081.69	134.25	89.48	-73.43	-538.31	3,788.97	7,615.04	7,549.51	65.54	116.194		
11,700.00	7,109.55	7,385.49	7,080.68	137.01	89.48	-73.25	-538.30	3,788.97	7,714.96	7,649.37	65.59	117.619		
11,800.00	7,108.10	7,384.48	7,079.67	139.77	89.48	-73.07	-538.30	3,788.97	7,814.88	7,749.23	65.65	119.040		
11,900.00	7,106.66	7,383.48	7,078.66	142.53	89.48	-72.90	-538.29	3,788.98	7,914.80	7,849.09	65.71	120.457		
12,000.00	7,105.22	7,382.47	7,077.65	145.30	89.48	-72.72	-538.29	3,788.98	8,014.72	7,948.96	65.76	121.871		
12,100.00	7,103.77	7,381.47	7,076.65	148.06	89.48	-72.55	-538.29	3,788.98	8,114.65	8,048.82	65.82	123.280		
12,200.00	7,102.33	7,380.48	7,075.66	150.84	89.48	-72.37	-538.28	3,788.99	8,214.57	8,148.69	65.88	124.685		
12,300.00	7,100.89	7,379.48	7,074.66	153.61	89.47	-72.20	-538.28	3,788.99	8,314.50	8,248.56	65.94	126.085		
12,400.00	7,099.44	7,378.49	7,073.67	156.39	89.47	-72.03	-538.27	3,788.99	8,414.43	8,348.43	66.01	127.482		
12,500.00	7,098.00	7,377.50	7,072.68	159.17	89.47	-71.86	-538.27	3,788.99	8,514.36	8,448.29	66.07	128.874		
12,600.00	7,096.56	7,376.52	7,071.70	161.95	89.47	-71.69	-538.27	3,789.00	8,614.29	8,548.16	66.13	130.262		
12,700.00	7,095.12	7,375.54	7,070.72	164.73	89.47	-71.52	-538.26	3,789.00	8,714.23	8,648.03	66.19	131.645		
12,800.00	7,093.67	7,374.56	7,069.74	167.52	89.47	-71.35	-538.26	3,789.00	8,814.16	8,747.90	66.26	133.025		
12,900.00	7,092.23	7,373.58	7,068.77	170.31	89.47	-71.18	-538.26	3,789.01	8,914.10	8,847.77	66.33	134.399		
13,000.00	7,090.79	7,372.61	7,067.79	173.09	89.46	-71.02	-538.25	3,789.01	9,014.04	8,947.64	66.39	135.770		
13,100.00	7,089.34	7,371.64	7,066.82	175.89	89.46	-70.85	-538.25	3,789.01	9,113.97	9,047.52	66.46	137.136		
13,200.00	7,087.90	7,370.68	7,065.86	178.68	89.46	-70.69	-538.24	3,789.01	9,213.92	9,147.39	66.53	138.497		
13,300.00	7,086.46	7,369.72	7,064.90	181.47	89.46	-70.52	-538.24	3,789.02	9,313.86	9,247.26	66.60	139.854		
13,400.00	7,085.01	7,368.76	7,063.94	184.27	89.46	-70.36	-538.24	3,789.02	9,413.80	9,347.13	66.67	141.206		
13,500.00	7,083.57	7,367.80	7,062.98	187.07	89.46	-70.20	-538.23	3,789.02	9,513.74	9,447.00	66.74	142.554		
13,600.00	7,082.13	7,366.85	7,062.03	189.86	89.46	-70.03	-538.23	3,789.03	9,613.69	9,546.88	66.81	143.897		
13,700.00	7,080.68	7,365.90	7,061.08	192.66	89.45	-69.87	-538.23	3,789.03	9,713.63	9,646.75	66.88	145.236		
13,800.00	7,079.24	7,364.95	7,060.13	195.47	89.45	-69.71	-538.22	3,789.03	9,813.58	9,746.62	66.95	146.570		
13,900.00	7,077.80	7,364.00	7,059.19	198.27	89.45	-69.55	-538.22	3,789.04	9,913.53	9,846.50	67.03	147.899		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	96.07	-595.72	5,606.60	5,638.39					
100.00	100.00	39.85	39.85	3.28	3.28	96.06	-595.60	5,606.65	5,638.21	5,631.64	6.57	858.707		
200.00	200.00	481.70	480.71	3.34	3.97	95.84	-572.78	5,598.54	5,637.48	5,630.18	7.29	772.897		
300.00	300.00	705.88	702.33	3.44	4.97	95.54	-541.91	5,585.26	5,629.69	5,621.37	8.32	676.683		
400.00	399.98	1,261.79	1,240.12	3.60	9.01	-19.48	-415.65	5,531.47	5,616.40	5,604.22	12.19	460.853		
500.00	499.84	1,385.20	1,356.21	3.79	10.23	-20.03	-377.04	5,515.30	5,595.50	5,582.01	13.49	414.806		
600.00	599.45	1,493.50	1,458.23	4.03	11.29	-20.58	-343.78	5,500.60	5,571.22	5,556.55	14.67	379.756		
700.00	698.70	1,567.77	1,528.34	4.30	11.98	-21.05	-321.50	5,490.46	5,543.95	5,528.40	15.56	356.374		
800.00	797.47	1,646.72	1,603.12	4.61	12.68	-21.57	-298.48	5,479.83	5,514.01	5,497.52	16.49	334.317		
900.00	895.62	1,720.76	1,673.39	4.96	13.32	-22.11	-277.40	5,469.92	5,481.31	5,463.92	17.40	315.046		
1,000.00	993.06	1,776.91	1,726.83	5.34	13.78	-22.62	-261.77	5,462.64	5,446.19	5,428.02	18.17	299.676		
1,100.00	1,089.64	1,833.88	1,781.18	5.75	14.24	-23.17	-246.23	5,455.54	5,408.76	5,389.80	18.97	285.182		
1,110.48	1,099.71	1,839.92	1,786.94	5.80	14.28	-23.23	-244.60	5,454.81	5,404.70	5,385.65	19.06	283.608		
1,200.00	1,185.67	1,900.00	1,844.38	6.20	14.74	-23.48	-228.48	5,447.66	5,370.22	5,350.39	19.83	270.801		
1,300.00	1,281.70	1,991.17	1,931.69	6.67	15.42	-23.87	-204.54	5,436.87	5,332.03	5,311.17	20.86	255.615		
1,400.00	1,377.72	2,090.38	2,026.77	7.16	16.15	-24.29	-178.92	5,424.81	5,293.79	5,271.84	21.95	241.146		
1,500.00	1,473.75	2,190.00	2,128.27	7.66	16.88	-24.75	-151.30	5,411.45	5,255.33	5,237.02	23.11	228.997		
1,600.00	1,569.77	2,256.98	2,186.24	8.17	17.39	-25.02	-135.50	5,403.83	5,217.20	5,193.21	23.98	217.519		
1,700.00	1,665.80	2,307.92	2,235.09	8.69	17.76	-25.24	-122.39	5,397.81	5,179.92	5,155.12	24.80	208.858		
1,800.00	1,761.82	2,374.81	2,299.27	9.22	18.23	-25.54	-105.12	5,390.25	5,143.30	5,117.58	25.72	199.952		
1,900.00	1,857.85	2,492.32	2,411.79	9.76	19.08	-26.08	-73.93	5,377.00	5,106.99	5,079.99	27.00	189.150		
2,000.00	1,953.87	2,614.51	2,528.38	10.30	20.01	-26.66	-40.50	5,362.26	5,070.19	5,041.84	28.35	178.825		
2,100.00	2,049.90	2,738.59	2,646.09	10.84	21.04	-27.29	-4.53	5,346.54	5,033.16	5,003.35	29.81	168.856		
2,200.00	2,145.92	2,835.35	2,737.23	11.39	21.89	-27.80	25.20	5,333.44	4,995.62	4,964.51	31.11	160.565		
2,300.00	2,241.94	2,900.00	2,798.26	11.95	22.46	-28.15	44.80	5,325.03	4,958.84	4,926.66	32.18	154.112		
2,400.00	2,337.97	2,986.33	2,880.08	12.50	23.17	-28.60	70.02	5,313.95	4,922.56	4,889.19	33.37	147.498		
2,500.00	2,433.99	3,088.94	2,977.30	13.06	24.03	-29.15	99.85	5,300.35	4,886.24	4,851.53	34.71	140.774		
2,600.00	2,530.02	3,142.45	3,027.91	13.63	24.46	-29.44	115.72	5,293.29	4,850.33	4,814.65	35.67	135.964		
2,700.00	2,626.04	3,200.00	3,082.80	14.19	24.92	-29.74	131.52	5,286.22	4,815.38	4,778.72	36.67	131.330		
2,800.00	2,722.07	3,263.19	3,143.33	14.76	25.37	-30.07	148.08	5,278.81	4,781.20	4,743.54	37.65	126.985		
2,900.00	2,818.09	3,371.96	3,247.57	15.32	26.14	-30.63	176.38	5,266.05	4,747.35	4,708.42	38.93	121.959		
3,000.00	2,914.12	3,443.26	3,315.94	15.89	26.63	-31.00	194.71	5,257.42	4,713.47	4,673.51	39.96	117.956		
3,100.00	3,010.14	3,500.00	3,370.58	16.46	27.02	-31.28	208.56	5,251.00	4,680.45	4,639.55	40.90	114.429		
3,200.00	3,106.17	3,626.09	3,492.36	17.03	27.82	-31.91	237.82	5,236.37	4,647.30	4,605.10	42.20	110.132		
3,298.02	3,200.29	3,678.36	3,542.89	17.59	28.14	-32.17	249.77	5,230.42	4,615.33	4,572.25	43.08	107.122		
3,300.00	3,202.19	3,679.42	3,543.91	17.60	28.15	-32.17	250.01	5,230.30	4,614.70	4,571.60	43.10	107.063		
3,400.00	3,298.70	3,770.78	3,632.16	18.16	28.73	-32.28	271.42	5,220.30	4,584.26	4,540.05	44.22	103.681		
3,500.00	3,396.07	3,956.53	3,809.33	18.68	30.16	-32.94	321.80	5,196.58	4,555.50	4,509.44	46.06	98.901		
3,600.00	3,494.17	4,040.12	3,887.88	19.18	30.91	-33.11	347.86	5,184.79	4,529.30	4,481.97	47.34	95.683		
3,700.00	3,592.88	4,114.16	3,957.23	19.64	31.60	-33.26	371.63	5,174.43	4,506.51	4,457.97	48.54	92.837		
3,800.00	3,692.10	4,180.05	4,019.22	20.08	32.18	-33.38	392.11	5,165.61	4,487.32	4,437.68	49.64	90.398		
3,900.00	3,791.69	4,238.31	4,074.39	20.49	32.66	-33.48	409.33	5,158.27	4,471.88	4,421.26	50.62	88.342		
4,000.00	3,891.53	4,300.00	4,133.07	20.88	33.14	-33.61	426.99	5,151.15	4,460.37	4,408.79	51.58	86.469		
4,108.50	4,000.00	4,401.48	4,229.42	21.27	33.92	-33.72	456.72	5,139.71	4,451.84	4,399.01	52.83	84.272		
4,200.00	4,091.50	4,542.33	4,362.63	21.58	35.07	-33.74	499.09	5,122.47	4,445.50	4,391.20	54.31	81.858		
4,300.00	4,191.50	4,636.49	4,451.47	21.92	35.88	-33.74	527.86	5,110.31	4,438.31	4,382.78	55.53	79.932		
4,400.00	4,291.50	4,760.90	4,567.92	22.27	37.02	-33.74	568.44	5,093.92	4,431.57	4,374.52	57.04	77.686		
4,500.00	4,391.50	4,898.45	4,697.37	22.62	38.26	-33.74	610.59	5,074.37	4,423.60	4,364.94	58.65	75.421		
4,600.00	4,491.50	4,960.86	4,756.34	22.97	38.79	-33.74	629.11	5,065.65	4,416.00	4,356.37	59.63	74.054		
4,700.00	4,591.50	5,024.68	4,816.77	23.33	39.32	-33.74	647.82	5,057.27	4,409.33	4,348.72	60.61	72.750		
4,800.00	4,691.50	5,091.74	4,880.37	23.69	39.86	-33.74	667.39	5,048.91	4,403.49	4,341.90	61.59	71.495		
4,900.00	4,791.50	5,182.83	4,967.19	24.05	40.53	-33.74	692.79	5,038.19	4,398.25	4,335.56	62.69	70.161		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	5,249.21	5,031.08	24.42	40.95	76.22	709.28	5,031.02	4,393.47	4,329.93	63.54	69.142		
5,100.00	4,991.50	5,311.74	5,091.91	24.78	41.29	76.03	722.53	5,025.34	4,389.62	4,325.29	64.33	68.237		
5,200.00	5,091.50	5,382.42	5,161.32	25.15	41.60	75.86	734.82	5,020.06	4,386.54	4,321.48	65.06	67.423		
5,300.00	5,191.50	5,461.24	5,239.26	25.53	41.88	75.71	745.47	5,015.39	4,384.09	4,318.33	65.76	66.670		
5,400.00	5,291.50	5,545.92	5,323.39	25.90	42.15	75.59	754.33	5,011.36	4,382.05	4,315.62	66.43	65.962		
5,500.00	5,391.50	5,631.22	5,408.28	26.28	42.39	75.48	761.82	5,007.92	4,380.34	4,313.25	67.09	65.294		
5,600.00	5,491.50	5,711.74	5,488.55	26.65	42.61	75.40	767.62	5,005.33	4,379.03	4,311.31	67.72	64.668		
5,700.00	5,591.50	5,785.40	5,562.05	27.03	42.80	75.34	772.06	5,003.58	4,378.26	4,309.94	68.32	64.086		
5,800.00	5,691.50	5,864.58	5,661.12	27.41	43.05	75.27	776.60	5,001.98	4,377.86	4,308.89	68.97	63.479		
5,900.00	5,791.50	5,945.00	5,761.49	27.80	43.35	75.23	779.34	5,000.44	4,377.20	4,307.56	69.65	62.850		
6,000.00	5,891.50	6,024.22	5,860.70	28.18	43.59	75.22	780.38	4,999.25	4,376.31	4,306.03	70.28	62.266		
6,100.00	5,991.50	6,104.66	5,961.13	28.57	43.87	75.20	781.41	4,997.77	4,375.28	4,304.32	70.95	61.665		
6,200.00	6,091.50	6,185.36	6,042.81	28.96	44.15	75.18	782.41	4,996.00	4,373.97	4,302.35	71.62	61.069		
6,300.00	6,191.50	6,266.49	6,123.91	29.35	44.43	75.16	783.32	4,993.97	4,372.38	4,300.09	72.30	60.480		
6,400.00	6,291.50	6,347.84	6,205.23	29.74	44.67	75.14	784.57	4,992.08	4,370.76	4,297.82	72.94	59.922		
6,500.00	6,391.50	6,428.33	6,286.70	30.13	44.88	75.11	786.12	4,990.62	4,369.51	4,295.94	73.57	59.392		
6,600.00	6,491.50	6,509.92	6,367.25	30.52	45.14	75.08	788.45	4,988.98	4,368.49	4,294.25	74.23	58.848		
6,639.95	6,531.45	6,544.76	6,402.07	30.68	45.24	75.06	789.43	4,988.36	4,368.11	4,293.61	74.50	58.635		
6,645.81	6,537.31	6,550.17	6,407.47	30.70	45.25	166.91	789.57	4,988.27	4,368.08	4,293.55	74.53	58.605 CC		
6,650.00	6,541.50	6,554.03	6,411.34	30.72	45.26	166.91	789.68	4,988.21	4,368.10	4,293.54	74.56	58.584 ES		
6,700.00	6,591.41	6,604.11	6,461.39	30.90	45.39	166.86	790.90	4,987.48	4,370.35	4,295.48	74.87	58.369		
6,750.00	6,640.95	6,654.65	6,511.91	31.09	45.52	166.73	792.22	4,986.72	4,376.44	4,301.26	75.19	58.207		
6,800.00	6,689.82	6,698.58	6,560.81	31.29	45.65	166.53	793.53	4,985.96	4,386.30	4,310.82	75.49	58.105		
6,850.00	6,737.71	6,745.51	6,608.71	31.49	45.82	166.26	795.28	4,984.92	4,399.81	4,324.01	75.81	58.040		
6,900.00	6,784.33	6,792.43	6,655.38	31.70	45.98	165.91	797.26	4,983.66	4,416.82	4,340.72	76.11	58.033 SF		
6,950.00	6,829.39	6,837.94	6,702.03	31.92	46.14	165.46	799.44	4,982.22	4,437.25	4,360.85	76.40	58.079		
7,000.00	6,872.61	6,880.32	6,747.34	32.15	46.28	164.90	801.49	4,980.86	4,460.99	4,384.33	76.66	58.192		
7,050.00	6,913.73	6,921.21	6,788.17	32.41	46.39	164.18	803.37	4,979.71	4,488.01	4,411.12	76.89	58.370		
7,100.00	6,952.49	6,959.99	6,827.89	32.68	46.50	163.30	805.30	4,978.60	4,518.16	4,441.06	77.10	58.601		
7,150.00	6,988.66	6,995.94	6,863.78	32.98	46.59	162.19	806.94	4,977.73	4,551.27	4,473.98	77.28	58.891		
7,200.00	7,022.01	7,029.19	6,897.97	33.31	46.67	160.80	808.51	4,976.96	4,587.15	4,509.70	77.45	59.230		
7,250.00	7,052.33	7,059.11	6,931.84	33.67	46.74	159.04	810.01	4,976.29	4,625.58	4,547.98	77.59	59.613		
7,300.00	7,079.44	7,086.00	6,958.66	34.07	46.81	156.79	811.58	4,975.64	4,666.29	4,588.57	77.73	60.034		
7,350.00	7,103.17	7,109.71	6,985.34	34.51	46.85	153.79	812.56	4,975.26	4,709.04	4,631.21	77.83	60.505		
7,400.00	7,123.38	7,129.14	7,012.73	34.98	46.90	149.76	813.52	4,974.91	4,753.55	4,675.63	77.92	61.005		
7,450.00	7,139.94	7,145.02	7,029.58	35.50	46.93	144.17	814.30	4,974.64	4,799.54	4,721.55	78.00	61.535		
7,500.00	7,152.75	7,158.30	7,042.84	36.05	46.96	136.14	814.91	4,974.44	4,846.71	4,768.65	78.06	62.089		
7,550.00	7,161.73	7,167.96	7,051.48	36.64	46.98	124.39	815.34	4,974.31	4,894.77	4,816.66	78.11	62.663		
7,600.00	7,166.82	7,172.97	7,056.49	37.26	46.99	107.65	815.60	4,974.23	4,943.40	4,865.25	78.15	63.252		
7,649.14	7,168.00	7,173.35	7,057.86	37.89	47.00	87.14	815.69	4,974.20	4,991.47	4,913.28	78.19	63.841		
7,700.00	7,167.27	7,172.45	7,057.97	38.57	47.00	87.15	815.70	4,974.20	5,041.28	4,963.06	78.22	64.454		
7,800.00	7,165.83	7,171.67	7,056.18	40.04	47.00	87.16	815.71	4,974.19	5,139.26	5,060.98	78.28	65.653		
7,900.00	7,164.38	7,169.88	7,054.39	41.66	47.00	87.17	815.72	4,974.19	5,237.32	5,158.98	78.35	66.848		
8,000.00	7,162.94	7,168.08	7,052.59	43.40	47.00	87.19	815.74	4,974.18	5,335.46	5,257.04	78.42	68.036		
8,100.00	7,161.50	7,166.29	7,051.80	45.26	47.00	87.20	815.75	4,974.18	5,433.66	5,355.16	78.50	69.220		
8,200.00	7,160.05	7,165.49	7,050.00	47.21	47.00	87.21	815.76	4,974.18	5,531.92	5,453.34	78.58	70.398		
8,300.00	7,158.61	7,163.69	7,048.19	49.26	47.00	87.22	815.77	4,974.17	5,630.25	5,551.58	78.67	71.572		
8,400.00	7,157.17	7,162.88	7,046.39	51.38	47.00	87.23	815.79	4,974.17	5,728.63	5,649.88	78.75	72.741		
8,500.00	7,155.73	7,160.07	7,044.58	53.57	47.00	87.24	815.80	4,974.16	5,827.07	5,748.23	78.84	73.907		
8,600.00	7,154.28	7,159.26	7,042.77	55.82	47.00	87.25	815.81	4,974.16	5,925.56	5,846.63	78.94	75.068		
8,700.00	7,152.84	7,157.45	7,040.96	58.12	47.00	87.26	815.82	4,974.16	6,024.10	5,945.07	79.03	76.225		
8,800.00	7,151.40	7,156.63	7,039.14	60.47	47.00	87.27	815.84	4,974.15	6,122.69	6,043.57	79.13	77.378		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	7,364.82	7,140.32	62.86	47.00	87.28	815.85	4,974.15	6,221.33	6,142.10	79.22	78.527		
9,000.00	7,148.51	7,365.00	7,140.50	65.28	47.00	87.29	815.86	4,974.15	6,320.00	6,240.68	79.32	79.673		
9,100.00	7,147.07	7,365.17	7,140.68	67.74	47.00	87.30	815.87	4,974.14	6,418.72	6,339.30	79.42	80.816		
9,200.00	7,145.62	7,365.35	7,140.85	70.23	47.00	87.31	815.88	4,974.14	6,517.48	6,437.95	79.52	81.955		
9,300.00	7,144.18	7,365.52	7,141.03	72.74	47.00	87.32	815.89	4,974.14	6,616.27	6,536.64	79.63	83.091		
9,400.00	7,142.74	7,365.69	7,141.20	75.28	47.01	87.33	815.90	4,974.13	6,715.10	6,635.37	79.73	84.224		
9,500.00	7,141.29	7,365.86	7,141.36	77.84	47.01	87.34	815.92	4,974.13	6,813.96	6,734.13	79.83	85.354		
9,600.00	7,139.85	7,366.03	7,141.53	80.42	47.01	87.35	815.93	4,974.13	6,912.86	6,832.93	79.94	86.481		
9,700.00	7,138.41	7,366.19	7,141.69	83.01	47.01	87.36	815.94	4,974.12	7,011.79	6,931.75	80.04	87.605		
9,800.00	7,136.97	7,366.35	7,141.85	85.62	47.01	87.37	815.95	4,974.12	7,110.75	7,030.60	80.14	88.726		
9,900.00	7,135.52	7,366.51	7,142.01	88.25	47.01	87.38	815.96	4,974.12	7,209.73	7,129.48	80.25	89.844		
10,000.00	7,134.08	7,366.67	7,142.17	90.89	47.01	87.39	815.97	4,974.11	7,308.75	7,228.39	80.35	90.959		
10,100.00	7,132.64	7,366.82	7,142.33	93.54	47.01	87.40	815.98	4,974.11	7,407.79	7,327.33	80.46	92.072		
10,200.00	7,131.19	7,366.98	7,142.48	96.20	47.01	87.40	815.99	4,974.11	7,506.85	7,426.29	80.56	93.182		
10,300.00	7,129.75	7,367.13	7,142.63	98.87	47.01	87.41	816.00	4,974.10	7,605.94	7,525.28	80.67	94.289		
10,400.00	7,128.31	7,367.28	7,142.78	101.55	47.01	87.42	816.01	4,974.10	7,705.06	7,624.29	80.77	95.394		
10,500.00	7,126.86	7,367.43	7,142.93	104.24	47.01	87.43	816.02	4,974.10	7,804.19	7,723.32	80.88	96.496		
10,600.00	7,125.42	7,367.58	7,143.08	106.94	47.01	87.44	816.03	4,974.10	7,903.35	7,822.37	80.98	97.595		
10,700.00	7,123.98	7,367.72	7,143.22	109.64	47.01	87.45	816.04	4,974.09	8,002.53	7,921.44	81.09	98.692		
10,800.00	7,122.53	7,367.86	7,143.36	112.36	47.01	87.45	816.04	4,974.09	8,101.73	8,020.54	81.19	99.787		
10,900.00	7,121.09	7,368.00	7,143.50	115.08	47.01	87.46	816.05	4,974.09	8,200.95	8,119.65	81.30	100.878		
11,000.00	7,119.65	7,368.14	7,143.64	117.80	47.01	87.47	816.06	4,974.09	8,300.19	8,218.79	81.40	101.968		
11,100.00	7,118.20	7,368.28	7,143.78	120.53	47.01	87.48	816.07	4,974.08	8,399.44	8,317.94	81.50	103.055		
11,200.00	7,116.76	7,368.42	7,143.92	123.26	47.01	87.49	816.08	4,974.08	8,498.71	8,417.11	81.61	104.139		
11,300.00	7,115.32	7,368.55	7,144.05	126.00	47.01	87.49	816.09	4,974.08	8,598.00	8,516.29	81.71	105.221		
11,400.00	7,113.88	7,368.69	7,144.18	128.75	47.01	87.50	816.10	4,974.08	8,697.31	8,615.49	81.82	106.300		
11,500.00	7,112.43	7,368.82	7,144.31	131.50	47.01	87.51	816.11	4,974.07	8,796.63	8,714.71	81.92	107.377		
11,600.00	7,110.99	7,368.95	7,144.44	134.25	47.01	87.52	816.11	4,974.07	8,895.97	8,813.94	82.03	108.452		
11,700.00	7,109.55	7,369.08	7,144.57	137.01	47.02	87.52	816.12	4,974.07	8,995.32	8,913.19	82.13	109.524		
11,800.00	7,108.10	7,369.20	7,144.70	139.77	47.02	87.53	816.13	4,974.07	9,094.69	9,012.45	82.24	110.593		
11,900.00	7,106.66	7,369.33	7,144.83	142.53	47.02	87.54	816.14	4,974.06	9,194.07	9,111.73	82.34	111.661		
12,000.00	7,105.22	7,369.45	7,144.95	145.30	47.02	87.54	816.15	4,974.06	9,293.46	9,211.02	82.44	112.725		
12,100.00	7,103.77	7,369.58	7,145.07	148.06	47.02	87.55	816.16	4,974.06	9,392.87	9,310.32	82.55	113.788		
12,200.00	7,102.33	7,369.70	7,145.19	150.84	47.02	87.56	816.16	4,974.06	9,492.28	9,409.63	82.65	114.847		
12,300.00	7,100.89	7,369.82	7,145.31	153.61	47.02	87.56	816.17	4,974.05	9,591.72	9,508.96	82.76	115.905		
12,400.00	7,099.44	7,369.94	7,145.43	156.39	47.02	87.57	816.18	4,974.05	9,691.16	9,608.30	82.86	116.960		
12,500.00	7,098.00	7,370.06	7,145.55	159.17	47.02	87.58	816.19	4,974.05	9,790.61	9,707.65	82.96	118.012		
12,600.00	7,096.56	7,370.17	7,145.67	161.95	47.02	87.58	816.19	4,974.05	9,890.08	9,807.01	83.07	119.062		
12,700.00	7,095.12	7,370.29	7,145.78	164.73	47.02	87.59	816.20	4,974.04	9,989.55	9,906.38	83.17	120.110		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	96.51	-637.25	5,582.95	5,619.43					
100.00	100.00	53.99	53.99	3.28	3.28	96.51	-637.24	5,582.93	5,619.18	5,612.62	6.57	855.691		
200.00	200.00	161.97	161.97	3.34	3.30	96.51	-637.09	5,582.80	5,619.04	5,612.41	6.64	846.719		
300.00	300.00	269.96	269.95	3.44	3.33	96.51	-636.79	5,582.52	5,618.76	5,611.98	6.78	828.971		
400.00	399.98	377.90	377.90	3.60	3.38	-17.17	-636.34	5,582.11	5,616.67	5,609.68	6.98	804.495		
500.00	499.84	485.68	485.67	3.79	3.45	-17.22	-635.74	5,581.56	5,611.10	5,603.85	7.24	774.661		
600.00	599.45	593.13	593.12	4.03	3.53	-17.31	-635.00	5,580.88	5,602.07	5,594.51	7.56	740.946		
700.00	698.70	700.12	700.10	4.30	3.62	-17.43	-634.12	5,580.06	5,589.58	5,581.66	7.93	705.162		
800.00	797.47	806.48	806.45	4.61	3.73	-17.59	-633.09	5,579.12	5,573.67	5,565.34	8.33	668.722		
900.00	895.62	912.07	912.03	4.96	3.84	-17.79	-631.93	5,578.05	5,554.35	5,545.57	8.78	632.639		
1,000.00	993.06	1,016.75	1,016.69	5.34	3.97	-18.02	-630.64	5,576.86	5,531.66	5,522.41	9.26	597.589		
1,100.00	1,089.64	1,120.36	1,120.29	5.75	4.10	-18.29	-629.22	5,575.56	5,505.63	5,495.87	9.76	563.988		
1,110.48	1,099.71	1,131.15	1,131.08	5.80	4.12	-18.32	-629.06	5,575.42	5,502.71	5,492.89	9.82	560.247		
1,200.00	1,185.67	1,223.23	1,223.14	6.20	4.24	-18.42	-627.67	5,574.14	5,477.58	5,467.29	10.29	532.442		
1,300.00	1,281.70	1,327.63	1,327.51	6.67	4.43	-18.54	-625.97	5,572.57	5,449.39	5,438.52	10.87	501.541		
1,400.00	1,377.72	1,427.76	1,427.62	7.16	4.73	-18.66	-624.32	5,570.87	5,421.03	5,409.45	11.58	468.192		
1,500.00	1,473.75	1,512.52	1,512.36	7.66	5.01	-18.75	-623.24	5,569.51	5,392.81	5,380.54	12.27	439.377		
1,600.00	1,569.77	1,622.30	1,622.11	8.17	5.38	-18.87	-621.96	5,567.79	5,364.68	5,351.61	13.07	410.387		
1,700.00	1,665.80	1,762.01	1,761.78	8.69	5.88	-19.02	-621.02	5,564.54	5,335.85	5,321.85	13.99	381.315		
1,800.00	1,761.82	1,845.69	1,845.44	9.22	6.18	-19.10	-620.92	5,562.31	5,306.78	5,292.04	14.74	359.949		
1,900.00	1,857.85	3,133.63	3,115.25	9.76	11.62	-20.15	-637.20	5,380.00	5,263.63	5,243.86	19.77	266.209		
2,000.00	1,953.87	3,310.05	3,285.34	10.30	12.48	-20.26	-641.14	5,333.39	5,212.53	5,191.66	20.87	249.718		
2,100.00	2,049.90	3,365.00	3,338.45	10.84	12.75	-20.31	-641.64	5,319.32	5,162.20	5,140.65	21.55	239.507		
2,200.00	2,145.92	3,365.00	3,338.45	11.39	12.75	-20.31	-641.64	5,319.32	5,112.40	5,090.34	22.05	231.821		
2,300.00	2,241.94	3,421.61	3,393.36	11.95	13.03	-20.36	-642.50	5,305.58	5,063.59	5,040.83	22.76	222.502		
2,400.00	2,337.97	3,693.32	3,655.93	12.50	14.41	-20.52	-650.56	5,236.24	5,014.41	4,990.22	24.19	207.286		
2,500.00	2,433.99	3,827.25	3,784.37	13.06	15.11	-20.59	-655.37	5,198.61	4,962.38	4,937.22	25.16	197.236		
2,600.00	2,530.02	3,994.12	3,943.52	13.63	16.02	-20.68	-661.94	5,148.87	4,908.54	4,882.30	26.23	187.099		
2,700.00	2,626.04	4,021.00	3,969.12	14.19	16.17	-20.69	-662.90	5,140.75	4,854.93	4,828.06	26.87	180.694		
2,800.00	2,722.07	4,065.50	4,011.64	14.76	16.41	-20.71	-664.53	5,127.73	4,802.08	4,774.51	27.56	174.217		
2,900.00	2,818.09	4,115.00	4,059.22	15.32	16.68	-20.74	-666.54	5,114.23	4,750.52	4,722.24	28.28	167.973		
3,000.00	2,914.12	4,115.00	4,059.22	15.89	16.68	-20.74	-666.54	5,114.23	4,699.71	4,670.86	28.86	162.873		
3,100.00	3,010.14	4,160.92	4,103.57	16.46	16.92	-20.77	-668.43	5,102.48	4,649.98	4,620.41	29.57	157.235		
3,200.00	3,106.17	4,208.00	4,149.19	17.03	17.17	-20.79	-670.23	5,091.00	4,601.19	4,570.89	30.30	151.849		
3,298.02	3,200.29	4,238.76	4,179.08	17.59	17.32	-20.81	-671.36	5,083.82	4,554.23	4,523.26	30.97	147.042		
3,300.00	3,202.19	4,239.55	4,179.85	17.60	17.33	-20.81	-671.39	5,083.64	4,553.29	4,522.30	30.99	146.945		
3,400.00	3,298.70	4,280.29	4,219.52	18.16	17.54	-20.47	-672.88	5,074.51	4,507.84	4,476.14	31.70	142.209		
3,500.00	3,396.07	4,302.00	4,240.71	18.68	17.65	-20.16	-673.68	5,069.82	4,466.41	4,434.05	32.35	138.058		
3,600.00	3,494.17	4,361.92	4,299.32	19.18	17.95	-19.90	-675.76	5,057.55	4,428.85	4,395.74	33.11	133.751		
3,700.00	3,592.88	4,396.00	4,332.75	19.64	18.11	-19.67	-676.86	5,051.03	4,395.57	4,361.78	33.79	130.072		
3,800.00	3,692.10	4,466.51	4,402.06	20.08	18.46	-19.46	-678.93	5,038.22	4,366.27	4,331.70	34.57	126.293		
3,900.00	3,791.69	4,515.20	4,450.00	20.49	18.69	-19.28	-680.19	5,029.84	4,341.03	4,305.75	35.28	123.051		
4,000.00	3,891.53	4,556.88	4,491.14	20.88	18.89	-19.13	-681.18	5,023.21	4,320.22	4,284.26	35.95	120.166		
4,108.50	4,000.00	4,583.00	4,516.97	21.27	19.01	94.65	-681.76	5,019.32	4,302.85	4,266.26	36.59	117.584		
4,200.00	4,091.50	4,630.48	4,564.01	21.58	19.23	94.66	-682.73	5,012.96	4,291.00	4,253.81	37.19	115.380		
4,300.00	4,191.50	4,677.00	4,610.22	21.92	19.44	94.68	-683.55	5,007.68	4,279.62	4,241.79	37.83	113.141		
4,400.00	4,291.50	4,712.49	4,645.53	22.27	19.60	94.69	-684.04	5,004.15	4,269.55	4,231.13	38.42	111.127		
4,500.00	4,391.50	4,771.00	4,703.80	22.62	19.85	94.70	-684.44	4,998.90	4,260.62	4,221.54	39.09	109.001		
4,600.00	4,491.50	4,810.67	4,743.36	22.97	20.02	94.71	-684.38	4,995.83	4,252.86	4,213.17	39.69	107.158		
4,700.00	4,591.50	4,864.00	4,796.57	23.33	20.25	94.70	-683.80	4,992.52	4,246.45	4,206.12	40.33	105.290		
4,800.00	4,691.50	4,901.92	4,834.44	23.69	20.41	94.70	-683.23	4,990.67	4,241.28	4,200.37	40.91	103.663		
4,900.00	4,791.50	4,958.00	4,890.48	24.05	20.64	94.69	-682.52	4,988.54	4,237.34	4,195.78	41.56	101.963		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	5,015.35	4,947.80	24.42	20.87	94.68	-681.99	4,986.94	4,234.41	4,192.21	42.20	100.336		
5,100.00	4,991.50	5,065.90	4,998.34	24.78	21.08	94.68	-681.70	4,985.84	4,232.34	4,189.52	42.82	98.843		
5,156.84	5,048.34	5,065.90	4,998.34	24.99	21.08	94.68	-681.70	4,985.84	4,231.95	4,188.90	43.06	98.292 CC, ES		
5,200.00	5,091.50	5,065.90	4,998.34	25.15	21.08	94.68	-681.70	4,985.84	4,232.17	4,188.94	43.23	97.900		
5,300.00	5,191.50	5,065.90	4,998.34	25.53	21.08	94.68	-681.70	4,985.84	4,234.37	4,190.76	43.62	97.078		
5,400.00	5,291.50	5,065.90	4,998.34	25.90	21.08	94.68	-681.70	4,985.84	4,238.93	4,194.95	43.98	96.375		
5,500.00	5,391.50	5,065.90	4,998.34	26.28	21.08	94.68	-681.70	4,985.84	4,245.84	4,201.52	44.33	95.787		
5,600.00	5,491.50	5,065.90	4,998.34	26.65	21.08	94.68	-681.70	4,985.84	4,255.09	4,210.45	44.64	95.311		
5,700.00	5,591.50	5,065.90	4,998.34	27.03	21.08	94.68	-681.70	4,985.84	4,266.67	4,221.73	44.94	94.945		
5,800.00	5,691.50	5,065.90	4,998.34	27.41	21.08	94.68	-681.70	4,985.84	4,280.55	4,235.34	45.21	94.685		
5,900.00	5,791.50	5,065.90	4,998.34	27.80	21.08	94.68	-681.70	4,985.84	4,296.71	4,251.26	45.45	94.529		
6,000.00	5,891.50	5,065.90	4,998.34	28.18	21.08	94.68	-681.70	4,985.84	4,315.13	4,269.46	45.68	94.473 SF		
6,100.00	5,991.50	5,065.90	4,998.34	28.57	21.08	94.68	-681.70	4,985.84	4,335.78	4,289.91	45.87	94.516		
6,200.00	6,091.50	5,065.90	4,998.34	28.96	21.08	94.68	-681.70	4,985.84	4,358.63	4,312.58	46.05	94.654		
6,300.00	6,191.50	5,065.90	4,998.34	29.35	21.08	94.68	-681.70	4,985.84	4,383.63	4,337.44	46.20	94.885		
6,400.00	6,291.50	5,065.90	4,998.34	29.74	21.08	94.68	-681.70	4,985.84	4,410.77	4,364.44	46.33	95.206		
6,500.00	6,391.50	5,065.90	4,998.34	30.13	21.08	94.68	-681.70	4,985.84	4,439.99	4,393.55	46.44	95.615		
6,600.00	6,491.50	5,065.90	4,998.34	30.52	21.08	94.68	-681.70	4,985.84	4,471.26	4,424.74	46.52	96.108		
6,639.95	6,531.45	5,065.90	4,998.34	30.68	21.08	94.68	-681.70	4,985.84	4,484.31	4,437.76	46.55	96.329		
6,650.00	6,541.50	5,065.90	4,998.34	30.72	21.08	-173.43	-681.70	4,985.84	4,487.72	4,441.16	46.56	96.389		
6,700.00	6,591.41	5,065.90	4,998.34	30.90	21.08	-173.21	-681.70	4,985.84	4,507.14	4,460.56	46.58	96.764		
6,750.00	6,640.95	5,065.90	4,998.34	31.09	21.08	-172.92	-681.70	4,985.84	4,530.53	4,483.95	46.59	97.246		
6,800.00	6,689.82	5,065.90	4,998.34	31.29	21.08	-172.55	-681.70	4,985.84	4,557.70	4,511.11	46.59	97.836		
6,850.00	6,737.71	5,065.90	4,998.34	31.49	21.08	-172.08	-681.70	4,985.84	4,588.39	4,541.82	46.57	98.526		
6,900.00	6,784.33	5,065.90	4,998.34	31.70	21.08	-171.49	-681.70	4,985.84	4,622.37	4,575.82	46.55	99.308		
6,950.00	6,829.39	5,065.90	4,998.34	31.92	21.08	-170.72	-681.70	4,985.84	4,659.34	4,612.83	46.51	100.173		
7,000.00	6,872.61	5,065.90	4,998.34	32.15	21.08	-169.72	-681.70	4,985.84	4,699.02	4,652.55	46.47	101.110		
7,050.00	6,913.73	5,065.90	4,998.34	32.41	21.08	-168.39	-681.70	4,985.84	4,741.10	4,694.66	46.43	102.107		
7,100.00	6,952.49	5,065.90	4,998.34	32.68	21.08	-166.55	-681.70	4,985.84	4,785.24	4,738.86	46.39	103.153		
7,150.00	6,988.66	5,065.90	4,998.34	32.98	21.08	-163.89	-681.70	4,985.84	4,831.14	4,784.79	46.35	104.235		
7,200.00	7,022.01	5,065.90	4,998.34	33.31	21.08	-159.76	-681.70	4,985.84	4,878.46	4,832.15	46.31	105.339		
7,250.00	7,052.33	5,065.90	4,998.34	33.67	21.08	-152.71	-681.70	4,985.84	4,926.88	4,880.59	46.28	106.453		
7,300.00	7,079.44	5,065.90	4,998.34	34.07	21.08	-138.84	-681.70	4,985.84	4,976.06	4,929.80	46.26	107.562		
7,350.00	7,103.17	5,065.90	4,998.34	34.51	21.08	-108.48	-681.70	4,985.84	5,025.68	4,979.43	46.25	108.654		
7,400.00	7,123.38	5,065.90	4,998.34	34.98	21.08	-64.09	-681.70	4,985.84	5,075.44	5,029.18	46.26	109.716		
7,450.00	7,139.94	5,065.90	4,998.34	35.50	21.08	-37.34	-681.70	4,985.84	5,125.03	5,078.74	46.28	110.733		
7,500.00	7,152.75	5,065.90	4,998.34	36.05	21.08	-25.09	-681.70	4,985.84	5,174.14	5,127.81	46.32	111.694		
7,550.00	7,161.73	5,065.90	4,998.34	36.64	21.08	-18.69	-681.70	4,985.84	5,222.50	5,176.11	46.39	112.587		
7,600.00	7,166.82	5,065.90	4,998.34	37.26	21.08	-14.87	-681.70	4,985.84	5,269.82	5,223.35	46.47	113.402		
7,649.14	7,168.00	5,065.90	4,998.34	37.89	21.08	-12.40	-681.70	4,985.84	5,315.08	5,268.50	46.57	114.120		
7,700.00	7,167.27	5,065.90	4,998.34	38.57	21.08	-12.40	-681.70	4,985.84	5,361.24	5,314.54	46.70	114.810		
7,800.00	7,165.83	5,065.90	4,998.34	40.04	21.08	-12.40	-681.70	4,985.84	5,452.24	5,405.30	46.94	116.153		
7,900.00	7,164.38	5,065.90	4,998.34	41.66	21.08	-12.40	-681.70	4,985.84	5,543.55	5,496.37	47.18	117.501		
8,000.00	7,162.94	5,065.90	4,998.34	43.40	21.08	-12.40	-681.70	4,985.84	5,635.15	5,587.74	47.41	118.852		
8,100.00	7,161.50	5,065.90	4,998.34	45.26	21.08	-12.40	-681.70	4,985.84	5,727.03	5,679.39	47.64	120.208		
8,200.00	7,160.05	5,065.90	4,998.34	47.21	21.08	-12.40	-681.70	4,985.84	5,819.19	5,771.32	47.87	121.567		
8,300.00	7,158.61	5,065.90	4,998.34	49.26	21.08	-12.40	-681.70	4,985.84	5,911.59	5,863.50	48.09	122.929		
8,400.00	7,157.17	5,065.90	4,998.34	51.38	21.08	-12.40	-681.70	4,985.84	6,004.24	5,955.94	48.31	124.295		
8,500.00	7,155.73	5,065.90	4,998.34	53.57	21.08	-12.40	-681.70	4,985.84	6,097.13	6,048.61	48.52	125.664		
8,600.00	7,154.28	5,065.90	4,998.34	55.82	21.08	-12.40	-681.70	4,985.84	6,190.23	6,141.50	48.73	127.036		
8,700.00	7,152.84	5,065.90	4,998.34	58.12	21.08	-12.40	-681.70	4,985.84	6,283.55	6,234.62	48.93	128.411		
8,800.00	7,151.40	5,065.90	4,998.34	60.47	21.08	-12.40	-681.70	4,985.84	6,377.07	6,327.93	49.13	129.789		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	5,065.90	4,998.34	62.86	21.08	-12.40	-681.70	4,985.84	6,470.78	6,421.45	49.33	131.168		
9,000.00	7,148.51	5,065.90	4,998.34	65.28	21.08	-12.40	-681.70	4,985.84	6,564.68	6,515.15	49.53	132.550		
9,100.00	7,147.07	5,065.90	4,998.34	67.74	21.08	-12.40	-681.70	4,985.84	6,658.76	6,609.04	49.72	133.934		
9,200.00	7,145.62	5,065.90	4,998.34	70.23	21.08	-12.40	-681.70	4,985.84	6,753.00	6,703.10	49.90	135.320		
9,300.00	7,144.18	5,065.90	4,998.34	72.74	21.08	-12.40	-681.70	4,985.84	6,847.41	6,797.32	50.09	136.707		
9,400.00	7,142.74	5,065.90	4,998.34	75.28	21.08	-12.40	-681.70	4,985.84	6,941.98	6,891.71	50.27	138.095		
9,500.00	7,141.29	5,065.90	4,998.34	77.84	21.08	-12.40	-681.70	4,985.84	7,036.69	6,986.25	50.45	139.485		
9,600.00	7,139.85	5,065.90	4,998.34	80.42	21.08	-12.40	-681.70	4,985.84	7,131.56	7,080.93	50.62	140.876		
9,700.00	7,138.41	5,065.90	4,998.34	83.01	21.08	-12.40	-681.70	4,985.84	7,226.55	7,175.76	50.80	142.267		
9,800.00	7,136.97	5,065.90	4,998.34	85.62	21.08	-12.40	-681.70	4,985.84	7,321.69	7,270.72	50.97	143.659		
9,900.00	7,135.52	5,065.90	4,998.34	88.25	21.08	-12.40	-681.70	4,985.84	7,416.95	7,365.81	51.13	145.052		
10,000.00	7,134.08	5,065.90	4,998.34	90.89	21.08	-12.40	-681.70	4,985.84	7,512.33	7,461.03	51.30	146.445		
10,100.00	7,132.64	5,065.90	4,998.34	93.54	21.08	-12.40	-681.70	4,985.84	7,607.83	7,556.37	51.46	147.838		
10,200.00	7,131.19	5,065.90	4,998.34	96.20	21.08	-12.40	-681.70	4,985.84	7,703.45	7,651.83	51.62	149.231		
10,300.00	7,129.75	5,065.90	4,998.34	98.87	21.08	-12.40	-681.70	4,985.84	7,799.18	7,747.40	51.78	150.623		
10,400.00	7,128.31	5,065.90	4,998.34	101.55	21.08	-12.40	-681.70	4,985.84	7,895.01	7,843.07	51.94	152.016		
10,500.00	7,126.86	5,065.90	4,998.34	104.24	21.08	-12.40	-681.70	4,985.84	7,990.94	7,938.85	52.09	153.407		
10,600.00	7,125.42	5,065.90	4,998.34	106.94	21.08	-12.40	-681.70	4,985.84	8,086.98	8,034.73	52.24	154.798		
10,700.00	7,123.98	5,065.90	4,998.34	109.64	21.08	-12.40	-681.70	4,985.84	8,183.10	8,130.71	52.39	156.189		
10,800.00	7,122.53	5,065.90	4,998.34	112.36	21.08	-12.40	-681.70	4,985.84	8,279.32	8,226.78	52.54	157.578		
10,900.00	7,121.09	5,065.90	4,998.34	115.08	21.08	-12.40	-681.70	4,985.84	8,375.63	8,322.94	52.69	158.966		
11,000.00	7,119.65	5,065.90	4,998.34	117.80	21.08	-12.40	-681.70	4,985.84	8,472.03	8,419.19	52.83	160.353		
11,100.00	7,118.20	5,065.90	4,998.34	120.53	21.08	-12.40	-681.70	4,985.84	8,568.50	8,515.53	52.98	161.739		
11,200.00	7,116.76	5,065.90	4,998.34	123.26	21.08	-12.40	-681.70	4,985.84	8,665.06	8,611.94	53.12	163.123		
11,300.00	7,115.32	5,065.90	4,998.34	126.00	21.08	-12.40	-681.70	4,985.84	8,761.69	8,708.43	53.26	164.506		
11,400.00	7,113.88	5,065.90	4,998.34	128.75	21.08	-12.40	-681.70	4,985.84	8,858.40	8,805.00	53.40	165.887		
11,500.00	7,112.43	5,065.90	4,998.34	131.50	21.08	-12.40	-681.70	4,985.84	8,955.18	8,901.64	53.54	167.266		
11,600.00	7,110.99	5,065.90	4,998.34	134.25	21.08	-12.40	-681.70	4,985.84	9,052.03	8,998.36	53.68	168.643		
11,700.00	7,109.55	5,065.90	4,998.34	137.01	21.08	-12.40	-681.70	4,985.84	9,148.95	9,095.14	53.81	170.019		
11,800.00	7,108.10	5,065.90	4,998.34	139.77	21.08	-12.40	-681.70	4,985.84	9,245.94	9,191.99	53.95	171.392		
11,900.00	7,106.66	5,065.90	4,998.34	142.53	21.08	-12.40	-681.70	4,985.84	9,342.98	9,288.90	54.08	172.763		
12,000.00	7,105.22	5,065.90	4,998.34	145.30	21.08	-12.40	-681.70	4,985.84	9,440.09	9,385.88	54.21	174.131		
12,100.00	7,103.77	5,065.90	4,998.34	148.06	21.08	-12.40	-681.70	4,985.84	9,537.26	9,482.92	54.34	175.497		
12,200.00	7,102.33	5,065.90	4,998.34	150.84	21.08	-12.40	-681.70	4,985.84	9,634.49	9,580.01	54.47	176.861		
12,300.00	7,100.89	5,065.90	4,998.34	153.61	21.08	-12.40	-681.70	4,985.84	9,731.77	9,677.17	54.60	178.222		
12,400.00	7,099.44	5,065.90	4,998.34	156.39	21.08	-12.40	-681.70	4,985.84	9,829.11	9,774.38	54.73	179.580		
12,500.00	7,098.00	5,065.90	4,998.34	159.17	21.08	-12.40	-681.70	4,985.84	9,926.50	9,871.64	54.86	180.936		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	96.30	-617.22	5,594.64	5,628.80					
100.00	100.00	54.40	54.39	3.28	3.28	96.30	-617.31	5,594.61	5,628.56	5,622.00	6.57	857.124		
200.00	200.00	153.85	153.85	3.34	3.31	96.30	-617.92	5,594.43	5,628.45	5,621.81	6.65	846.722		
300.00	300.00	261.72	261.71	3.44	3.40	96.31	-618.68	5,594.27	5,628.38	5,621.53	6.85	821.839		
400.00	399.98	385.74	385.73	3.60	3.58	-17.35	-619.30	5,593.67	5,626.30	5,619.12	7.18	783.560		
500.00	499.84	486.81	486.80	3.79	3.78	-17.40	-619.49	5,592.97	5,620.63	5,613.06	7.57	742.395		
600.00	599.45	2,003.96	1,982.53	4.03	11.92	-18.69	-531.46	5,404.30	5,601.85	5,588.17	13.69	409.341		
700.00	698.70	2,235.75	2,204.27	4.30	14.36	-19.35	-499.80	5,344.73	5,563.48	5,548.29	15.19	366.293		
800.00	797.47	2,310.01	2,275.10	4.61	15.19	-19.80	-489.16	5,325.11	5,521.77	5,505.90	15.87	347.950		
900.00	895.62	2,399.68	2,360.63	4.96	16.19	-20.34	-476.20	5,301.53	5,477.25	5,460.57	16.67	328.498		
1,000.00	993.06	2,518.75	2,474.05	5.34	17.56	-21.02	-458.54	5,269.84	5,429.53	5,411.85	17.69	306.949		
1,100.00	1,089.64	1,100.00	2,706.72	5.75	5.92	-22.20	-418.19	5,201.36	5,378.27	5,368.59	9.68	555.883		
1,110.48	1,099.71	1,110.48	2,714.69	5.80	5.87	-22.28	-416.73	5,198.86	5,372.54	5,362.82	9.72	552.711		
1,200.00	1,185.67	2,830.84	2,768.91	6.20	21.60	-22.47	-406.78	5,181.78	5,323.48	5,303.10	20.38	261.249		
1,300.00	1,281.70	2,859.58	2,796.03	6.67	21.98	-22.56	-402.07	5,173.50	5,269.45	5,248.51	20.94	251.686		
1,400.00	1,377.72	2,900.00	2,834.35	7.16	22.52	-22.69	-395.84	5,162.27	5,216.35	5,194.76	21.60	241.550		
1,500.00	1,473.75	2,952.92	2,884.69	7.66	23.16	-22.86	-388.11	5,147.87	5,163.94	5,141.61	22.33	231.283		
1,600.00	1,569.77	1,600.00	3,000.46	8.17	7.23	-23.24	-370.88	5,114.10	5,111.25	5,096.96	14.30	357.548		
1,700.00	1,665.80	3,134.49	3,057.17	8.69	25.39	-23.43	-362.44	5,097.32	5,058.45	5,034.17	24.28	208.328		
1,800.00	1,761.82	3,164.87	3,086.10	9.22	25.75	-23.52	-358.17	5,089.10	5,006.53	4,981.59	24.94	200.772		
1,900.00	1,857.85	3,200.00	3,119.67	9.76	26.17	-23.64	-353.27	5,079.96	4,955.57	4,929.94	25.63	193.316		
2,000.00	1,953.87	3,270.33	3,187.05	10.30	26.91	-23.86	-344.04	5,062.06	4,905.27	4,878.75	26.52	185.000		
2,100.00	2,049.90	3,333.26	3,247.47	10.84	27.56	-24.05	-336.66	5,046.06	4,855.20	4,827.85	27.36	177.489		
2,200.00	2,145.92	3,385.73	3,297.96	11.39	28.09	-24.20	-330.88	5,033.03	4,805.74	4,777.59	28.15	170.748		
2,300.00	2,241.94	3,447.33	3,357.37	11.95	28.68	-24.39	-324.43	5,018.08	4,756.87	4,727.89	28.98	164.162		
2,400.00	2,337.97	3,511.74	3,419.59	12.50	29.28	-24.57	-318.01	5,002.69	4,708.44	4,678.61	29.83	157.865		
2,500.00	2,433.99	3,572.86	3,478.68	13.06	29.83	-24.76	-311.81	4,988.40	4,660.51	4,629.84	30.67	151.967		
2,600.00	2,530.02	4,032.95	3,917.93	13.63	35.16	-26.37	-254.04	4,865.39	4,610.36	4,576.79	33.57	137.323		
2,700.00	2,626.04	4,100.00	3,980.86	14.19	36.16	-26.66	-243.40	4,844.86	4,556.13	4,521.51	34.61	131.623		
2,800.00	2,722.07	4,138.40	4,017.00	14.76	36.68	-26.82	-237.47	4,833.32	4,502.55	4,467.08	35.48	126.920		
2,900.00	2,818.09	4,173.55	4,050.26	15.32	37.16	-26.96	-232.49	4,823.11	4,449.94	4,413.61	36.33	122.489		
3,000.00	2,914.12	4,200.00	4,075.40	15.89	37.52	-27.07	-229.02	4,815.64	4,398.34	4,361.19	37.15	118.408		
3,100.00	3,010.14	4,260.45	4,133.00	16.46	38.23	-27.31	-221.09	4,799.10	4,347.51	4,309.38	38.13	114.018		
3,200.00	3,106.17	3,200.00	4,236.96	17.03	25.23	-27.77	-205.73	4,769.49	4,296.96	4,265.78	31.18	137.796		
3,298.02	3,200.29	4,682.43	4,531.27	17.59	44.07	-29.27	-155.73	4,676.35	4,245.80	4,203.81	42.00	101.099		
3,300.00	3,202.19	4,685.34	4,533.98	17.60	44.12	-29.28	-155.27	4,675.40	4,244.71	4,202.68	42.03	100.992		
3,400.00	3,298.70	4,729.78	4,575.45	18.16	44.82	-28.88	-148.39	4,660.98	4,191.30	4,148.24	43.06	97.339		
3,500.00	3,396.07	4,764.05	4,607.55	18.68	45.35	-28.48	-142.99	4,650.27	4,141.59	4,097.57	44.02	94.081		
3,600.00	3,494.17	4,800.00	4,641.34	19.18	45.91	-28.14	-137.23	4,639.44	4,095.73	4,050.73	45.00	91.026		
3,700.00	3,592.88	4,853.16	4,691.44	19.64	46.64	-27.91	-128.50	4,623.95	4,053.66	4,007.59	46.07	87.997		
3,800.00	3,692.10	4,909.91	4,745.02	20.08	47.41	-27.74	-118.94	4,607.87	4,015.28	3,968.12	47.15	85.151		
3,900.00	3,791.69	4,977.11	4,808.59	20.49	48.28	-27.63	-107.62	4,589.28	3,980.52	3,932.23	48.29	82.423		
4,000.00	3,891.53	5,030.23	4,858.98	20.88	48.93	-27.49	-98.82	4,574.93	3,949.47	3,900.15	49.32	80.078		
4,108.50	4,000.00	5,100.00	4,925.50	21.27	49.75	86.24	-87.60	4,557.13	3,920.59	3,870.13	50.46	77.698		
4,200.00	4,091.50	5,137.10	4,961.03	21.58	50.12	86.15	-82.01	4,548.06	3,898.60	3,847.36	51.24	76.090		
4,300.00	4,191.50	5,200.00	5,021.52	21.92	50.76	86.01	-73.74	4,532.94	3,875.33	3,823.14	52.19	74.250		
4,400.00	4,291.50	5,234.44	5,054.83	22.27	51.03	85.94	-69.80	4,525.10	3,853.35	3,800.39	52.96	72.758		
4,500.00	4,391.50	5,264.54	5,084.09	22.62	51.26	85.89	-66.61	4,518.81	3,833.11	3,779.41	53.71	71.373		
4,600.00	4,491.50	5,300.00	5,118.73	22.97	51.54	85.83	-63.19	4,512.08	3,814.62	3,760.17	54.46	70.045		
4,700.00	4,591.50	5,355.51	5,173.17	23.33	51.86	85.74	-58.43	4,502.32	3,797.55	3,742.32	55.23	68.758		
4,800.00	4,691.50	5,400.00	5,216.89	23.69	52.12	85.68	-55.08	4,494.80	3,781.43	3,725.47	55.96	67.573		
4,900.00	4,791.50	5,458.92	5,274.96	24.05	52.40	85.61	-51.21	4,485.60	3,766.48	3,709.79	56.70	66.434		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	5,500.00	5,315.57	24.42	52.59	85.57	-48.87	4,479.87	3,753.05	3,695.67	57.37	65.413		
5,100.00	4,991.50	5,541.36	5,356.56	24.78	52.74	85.53	-46.76	4,474.75	3,741.14	3,683.12	58.02	64.478		
5,200.00	5,091.50	5,600.00	5,414.83	25.15	52.94	85.48	-44.09	4,468.75	3,730.99	3,672.29	58.70	63.558		
5,300.00	5,191.50	5,631.98	5,446.65	25.53	53.03	85.46	-42.72	4,465.94	3,722.11	3,662.82	59.30	62.773		
5,400.00	5,291.50	5,700.00	5,514.38	25.90	53.22	85.41	-39.75	4,460.43	3,714.36	3,654.39	59.97	61.936		
5,500.00	5,391.50	5,766.11	5,580.26	26.28	53.39	85.36	-36.87	4,455.66	3,707.50	3,646.86	60.63	61.146		
5,600.00	5,491.50	5,834.15	5,648.11	26.65	53.56	85.31	-34.10	4,451.34	3,701.49	3,640.19	61.29	60.391		
5,700.00	5,591.50	5,900.00	5,713.82	27.03	53.72	85.27	-32.00	4,447.75	3,696.34	3,634.40	61.93	59.682		
5,800.00	5,691.50	5,977.76	5,791.48	27.41	53.89	85.24	-30.36	4,444.18	3,691.94	3,629.35	62.59	58.987		
5,900.00	5,791.50	6,056.61	5,870.27	27.80	54.06	85.22	-29.50	4,441.13	3,688.18	3,624.94	63.24	58.323		
6,000.00	5,891.50	6,141.34	5,954.95	28.18	54.24	85.21	-29.01	4,438.33	3,684.92	3,621.03	63.90	57.671		
6,100.00	5,991.50	6,232.62	6,046.19	28.57	54.43	85.21	-28.87	4,435.62	3,681.97	3,617.41	64.57	57.024		
6,200.00	6,091.50	6,324.16	6,137.69	28.96	54.62	85.21	-29.27	4,433.12	3,679.22	3,613.99	65.24	56.397		
6,300.00	6,191.50	6,413.56	6,227.07	29.35	54.81	85.22	-29.99	4,431.01	3,676.80	3,610.90	65.90	55.792		
6,400.00	6,291.50	6,503.66	6,344.12	29.74	55.06	85.24	-31.31	4,428.11	3,674.23	3,607.59	66.64	55.136		
6,500.00	6,391.50	6,638.73	6,452.14	30.13	55.29	85.25	-32.75	4,425.02	3,671.27	3,603.91	67.36	54.506		
6,600.00	6,491.50	6,741.27	6,554.62	30.52	55.52	85.28	-34.49	4,422.08	3,668.27	3,600.21	68.06	53.899		
6,639.95	6,531.45	6,786.14	6,599.47	30.68	55.62	85.29	-35.19	4,420.71	3,667.01	3,598.66	68.35	53.651		
6,650.00	6,541.50	6,797.44	6,610.76	30.72	55.64	177.14	-35.35	4,420.36	3,666.76	3,598.34	68.42	53.590		
6,660.98	6,552.48	6,810.13	6,623.44	30.76	55.67	177.14	-35.53	4,419.96	3,666.67	3,598.17	68.50	53.528 CC, ES		
6,700.00	6,591.41	6,855.53	6,668.81	30.90	55.77	177.15	-36.20	4,418.47	3,667.83	3,599.05	68.78	53.328		
6,750.00	6,640.95	6,913.45	6,726.69	31.09	55.91	177.15	-37.08	4,416.46	3,672.70	3,603.58	69.12	53.133		
6,800.00	6,689.82	6,946.56	6,759.78	31.29	55.98	177.12	-37.63	4,415.39	3,681.55	3,612.15	69.39	53.054		
6,850.00	6,737.71	6,983.56	6,796.75	31.49	56.06	177.08	-38.30	4,414.29	3,694.36	3,624.70	69.66	53.036 SF		
6,900.00	6,784.33	7,036.44	6,849.61	31.70	56.18	177.02	-39.30	4,412.81	3,711.01	3,641.06	69.95	53.052		
6,950.00	6,829.39	7,104.18	6,917.30	31.92	56.34	176.96	-40.53	4,410.62	3,731.09	3,660.83	70.27	53.099		
7,000.00	6,872.61	7,000.00	6,994.97	32.15	56.09	176.89	-41.78	4,407.10	3,753.98	3,683.96	70.02	53.614		
7,050.00	6,913.73	7,233.20	7,046.16	32.41	56.65	176.77	-42.47	4,404.59	3,780.26	3,709.41	70.85	53.358		
7,100.00	6,952.49	7,254.92	7,067.86	32.68	56.70	176.60	-42.64	4,403.60	3,809.98	3,738.98	71.00	53.658		
7,150.00	6,988.66	7,275.15	7,088.07	32.98	56.75	176.37	-42.75	4,402.78	3,842.93	3,771.79	71.14	54.018		
7,200.00	7,022.01	7,300.00	7,112.91	33.31	56.81	176.09	-42.79	4,401.88	3,878.89	3,807.61	71.28	54.421		
7,250.00	7,052.33	7,314.85	7,127.75	33.67	56.85	175.72	-42.79	4,401.40	3,917.55	3,846.18	71.37	54.893		
7,300.00	7,079.44	7,335.92	7,148.81	34.07	56.90	175.24	-42.79	4,400.74	3,958.64	3,887.18	71.46	55.393		
7,350.00	7,103.17	7,354.43	7,167.31	34.51	56.94	174.59	-42.78	4,400.19	4,001.88	3,930.34	71.54	55.937		
7,400.00	7,123.38	7,370.27	7,183.14	34.98	56.98	173.68	-42.76	4,399.75	4,046.97	3,975.37	71.60	56.520		
7,450.00	7,139.94	7,383.37	7,196.24	35.50	57.01	172.31	-42.75	4,399.40	4,093.64	4,021.99	71.65	57.137		
7,500.00	7,152.75	7,393.66	7,206.53	36.05	57.04	170.04	-42.73	4,399.13	4,141.57	4,069.89	71.68	57.782		
7,550.00	7,161.73	7,400.00	7,212.86	36.64	57.05	165.67	-42.72	4,398.98	4,190.46	4,118.78	71.69	58.454		
7,600.00	7,166.82	7,400.00	7,212.86	37.26	57.05	154.02	-42.72	4,398.98	4,240.02	4,168.34	71.68	59.152		
7,649.14	7,168.00	7,400.00	7,212.86	37.89	57.05	100.62	-42.72	4,398.98	4,289.04	4,217.37	71.67	59.843		
7,700.00	7,167.27	7,400.00	7,212.86	38.57	57.05	100.62	-42.72	4,398.98	4,339.86	4,268.20	71.66	60.558		
7,800.00	7,165.83	7,400.00	7,212.86	40.04	57.05	100.62	-42.72	4,398.98	4,439.78	4,368.13	71.65	61.964		
7,900.00	7,164.38	7,400.00	7,212.86	41.66	57.05	100.62	-42.72	4,398.98	4,539.70	4,468.06	71.64	63.368		
8,000.00	7,162.94	7,400.00	7,212.86	43.40	57.05	100.62	-42.72	4,398.98	4,639.62	4,567.99	71.63	64.771		
8,100.00	7,161.50	7,400.00	7,212.86	45.26	57.05	100.62	-42.72	4,398.98	4,739.55	4,667.93	71.62	66.172		
8,200.00	7,160.05	7,400.00	7,212.86	47.21	57.05	100.62	-42.72	4,398.98	4,839.48	4,767.86	71.62	67.572		
8,300.00	7,158.61	7,400.00	7,212.86	49.26	57.05	100.62	-42.72	4,398.98	4,939.41	4,867.80	71.62	68.970		
8,400.00	7,157.17	7,400.00	7,212.86	51.38	57.05	100.62	-42.72	4,398.98	5,039.35	4,967.73	71.62	70.367		
8,500.00	7,155.73	7,400.00	7,212.86	53.57	57.05	100.62	-42.72	4,398.98	5,139.29	5,067.67	71.62	71.761		
8,600.00	7,154.28	7,400.00	7,212.86	55.82	57.05	100.62	-42.72	4,398.98	5,239.23	5,167.61	71.62	73.154		
8,700.00	7,152.84	7,400.00	7,212.86	58.12	57.05	100.62	-42.72	4,398.98	5,339.17	5,267.55	71.62	74.545		
8,800.00	7,151.40	7,400.00	7,212.86	60.47	57.05	100.62	-42.72	4,398.98	5,439.12	5,367.49	71.63	75.935		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	7,400.00	7,212.86	62.86	57.05	100.62	-42.72	4,398.98	5,539.06	5,467.43	71.64	77.322		
9,000.00	7,148.51	7,400.00	7,212.86	65.28	57.05	100.62	-42.72	4,398.98	5,639.01	5,567.37	71.65	78.707		
9,100.00	7,147.07	7,400.00	7,212.86	67.74	57.05	100.62	-42.72	4,398.98	5,738.96	5,667.30	71.66	80.090		
9,200.00	7,145.62	7,400.00	7,212.86	70.23	57.05	100.62	-42.72	4,398.98	5,838.91	5,767.24	71.67	81.471		
9,300.00	7,144.18	7,400.00	7,212.86	72.74	57.05	100.62	-42.72	4,398.98	5,938.87	5,867.18	71.68	82.849		
9,400.00	7,142.74	7,400.00	7,212.86	75.28	57.05	100.62	-42.72	4,398.98	6,038.82	5,967.12	71.70	84.226		
9,500.00	7,141.29	7,400.00	7,212.86	77.84	57.05	100.62	-42.72	4,398.98	6,138.78	6,067.06	71.72	85.600		
9,600.00	7,139.85	7,400.00	7,212.86	80.42	57.05	100.62	-42.72	4,398.98	6,238.74	6,167.00	71.73	86.971		
9,700.00	7,138.41	7,400.00	7,212.86	83.01	57.05	100.62	-42.72	4,398.98	6,338.70	6,266.94	71.75	88.341		
9,800.00	7,136.97	7,400.00	7,212.86	85.62	57.05	100.62	-42.72	4,398.98	6,438.66	6,366.88	71.77	89.707		
9,900.00	7,135.52	7,400.00	7,212.86	88.25	57.05	100.62	-42.72	4,398.98	6,538.62	6,466.82	71.80	91.072		
10,000.00	7,134.08	7,400.00	7,212.86	90.89	57.05	100.62	-42.72	4,398.98	6,638.58	6,566.76	71.82	92.433		
10,100.00	7,132.64	7,400.00	7,212.86	93.54	57.05	100.62	-42.72	4,398.98	6,738.55	6,666.70	71.85	93.792		
10,200.00	7,131.19	7,400.00	7,212.86	96.20	57.05	100.62	-42.72	4,398.98	6,838.51	6,766.64	71.87	95.148		
10,300.00	7,129.75	7,400.00	7,212.86	98.87	57.05	100.62	-42.72	4,398.98	6,938.48	6,866.58	71.90	96.502		
10,400.00	7,128.31	7,400.00	7,212.86	101.55	57.05	100.62	-42.72	4,398.98	7,038.44	6,966.52	71.93	97.853		
10,500.00	7,126.86	7,400.00	7,212.86	104.24	57.05	100.62	-42.72	4,398.98	7,138.41	7,066.45	71.96	99.201		
10,600.00	7,125.42	7,400.00	7,212.86	106.94	57.05	100.62	-42.72	4,398.98	7,238.38	7,166.39	71.99	100.546		
10,700.00	7,123.98	7,400.00	7,212.86	109.64	57.05	100.62	-42.72	4,398.98	7,338.35	7,266.33	72.02	101.888		
10,800.00	7,122.53	7,400.00	7,212.86	112.36	57.05	100.62	-42.72	4,398.98	7,438.32	7,366.26	72.06	103.227		
10,900.00	7,121.09	7,400.00	7,212.86	115.08	57.05	100.62	-42.72	4,398.98	7,538.29	7,466.20	72.09	104.563		
11,000.00	7,119.65	7,400.00	7,212.86	117.80	57.05	100.62	-42.72	4,398.98	7,638.27	7,566.14	72.13	105.896		
11,100.00	7,118.20	7,400.00	7,212.86	120.53	57.05	100.62	-42.72	4,398.98	7,738.24	7,666.07	72.17	107.226		
11,200.00	7,116.76	7,400.00	7,212.86	123.26	57.05	100.62	-42.72	4,398.98	7,838.21	7,766.00	72.21	108.552		
11,300.00	7,115.32	7,400.00	7,212.86	126.00	57.05	100.62	-42.72	4,398.98	7,938.19	7,865.94	72.25	109.876		
11,400.00	7,113.88	7,400.00	7,212.86	128.75	57.05	100.62	-42.72	4,398.98	8,038.16	7,965.87	72.29	111.196		
11,500.00	7,112.43	7,400.00	7,212.86	131.50	57.05	100.62	-42.72	4,398.98	8,138.14	8,065.81	72.33	112.513		
11,600.00	7,110.99	7,400.00	7,212.86	134.25	57.05	100.62	-42.72	4,398.98	8,238.11	8,165.74	72.37	113.826		
11,700.00	7,109.55	7,400.00	7,212.86	137.01	57.05	100.62	-42.72	4,398.98	8,338.09	8,265.67	72.42	115.137		
11,800.00	7,108.10	7,400.00	7,212.86	139.77	57.05	100.62	-42.72	4,398.98	8,438.07	8,365.60	72.47	116.443		
11,900.00	7,106.66	7,400.00	7,212.86	142.53	57.05	100.62	-42.72	4,398.98	8,538.04	8,465.53	72.51	117.747		
12,000.00	7,105.22	7,400.00	7,212.86	145.30	57.05	100.62	-42.72	4,398.98	8,638.02	8,565.46	72.56	119.046		
12,100.00	7,103.77	7,400.00	7,212.86	148.06	57.05	100.62	-42.72	4,398.98	8,738.00	8,665.39	72.61	120.343		
12,200.00	7,102.33	7,400.00	7,212.86	150.84	57.05	100.62	-42.72	4,398.98	8,837.98	8,765.32	72.66	121.635		
12,300.00	7,100.89	7,400.00	7,212.86	153.61	57.05	100.62	-42.72	4,398.98	8,937.96	8,865.25	72.71	122.924		
12,400.00	7,099.44	7,400.00	7,212.86	156.39	57.05	100.62	-42.72	4,398.98	9,037.94	8,965.18	72.76	124.210		
12,500.00	7,098.00	7,400.00	7,212.86	159.17	57.05	100.62	-42.72	4,398.98	9,137.92	9,065.10	72.82	125.491		
12,600.00	7,096.56	7,400.00	7,212.86	161.95	57.05	100.62	-42.72	4,398.98	9,237.90	9,165.03	72.87	126.769		
12,700.00	7,095.12	7,400.00	7,212.86	164.73	57.05	100.62	-42.72	4,398.98	9,337.88	9,264.95	72.93	128.044		
12,800.00	7,093.67	7,400.00	7,212.86	167.52	57.05	100.62	-42.72	4,398.98	9,437.86	9,364.88	72.98	129.314		
12,900.00	7,092.23	7,400.00	7,212.86	170.31	57.05	100.62	-42.72	4,398.98	9,537.85	9,464.80	73.04	130.581		
13,000.00	7,090.79	7,400.00	7,212.86	173.09	57.05	100.62	-42.72	4,398.98	9,637.83	9,564.73	73.10	131.844		
13,100.00	7,089.34	7,400.00	7,212.86	175.89	57.05	100.62	-42.72	4,398.98	9,737.81	9,664.65	73.16	133.103		
13,200.00	7,087.90	7,400.00	7,212.86	178.68	57.05	100.62	-42.72	4,398.98	9,837.79	9,764.57	73.22	134.358		
13,300.00	7,086.46	7,400.00	7,212.86	181.47	57.05	100.62	-42.72	4,398.98	9,937.78	9,864.50	73.28	135.609		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	1,280.88	1,259.12	3.28	10.02	97.67	-728.05	5,406.46	5,610.14					
100.00	100.00	1,437.85	1,408.43	3.28	11.90	98.00	-753.82	5,365.46	5,585.85	5,573.13	12.72	439.116		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	98.13	-764.61	5,349.30	5,561.95	5,548.68	13.26	419.323		
300.00	300.00	1,547.28	1,512.40	3.44	13.20	98.24	-773.10	5,337.30	5,538.78	5,525.05	13.74	403.186		
400.00	399.98	1,608.51	1,570.74	3.60	13.91	-15.41	-783.84	5,322.17	5,514.71	5,500.32	14.39	383.319		
500.00	499.84	1,699.07	1,657.14	3.79	14.91	-15.37	-799.58	5,300.06	5,487.75	5,472.43	15.32	358.216		
600.00	599.45	1,927.99	1,875.26	4.03	17.53	-15.09	-837.58	5,241.96	5,456.78	5,439.33	17.45	312.764		
700.00	698.70	1,981.62	1,926.37	4.30	18.16	-15.19	-845.70	5,227.91	5,421.58	5,403.45	18.12	299.138		
800.00	797.47	2,055.91	1,997.29	4.61	19.01	-15.27	-857.02	5,208.86	5,383.81	5,364.82	19.00	283.428		
900.00	895.62	2,131.02	2,068.94	4.96	19.85	-15.38	-868.81	5,189.69	5,343.16	5,323.26	19.90	268.486		
1,000.00	993.06	2,200.00	2,134.80	5.34	20.63	-15.52	-879.84	5,172.36	5,299.86	5,279.08	20.78	255.001		
1,100.00	1,089.64	2,249.40	2,181.98	5.75	21.16	-15.72	-887.97	5,160.19	5,254.06	5,232.53	21.53	244.009		
1,110.48	1,099.71	2,254.95	2,187.28	5.80	21.22	-15.74	-888.91	5,158.84	5,249.12	5,227.50	21.62	242.749		
1,200.00	1,185.67	2,309.23	2,239.13	6.20	21.81	-15.65	-898.28	5,145.79	5,207.08	5,184.70	22.38	232.704		
1,300.00	1,281.70	2,514.22	2,435.50	6.67	23.97	-15.37	-928.15	5,095.22	5,159.32	5,135.05	24.26	212.626		
1,400.00	1,377.72	2,548.71	2,468.55	7.16	24.34	-15.32	-932.96	5,086.62	5,111.10	5,086.19	24.91	205.175		
1,500.00	1,473.75	2,600.00	2,517.68	7.66	24.88	-15.25	-940.73	5,074.09	5,063.61	5,037.92	25.70	197.060		
1,600.00	1,569.77	2,898.34	2,801.89	8.17	28.41	-14.79	-984.19	4,994.62	5,013.10	4,984.70	28.41	176.466		
1,700.00	1,665.80	3,055.30	2,950.30	8.69	30.54	-14.53	-1,007.45	4,949.11	4,961.59	4,931.43	30.15	164.542		
1,800.00	1,761.82	3,188.64	3,075.92	9.22	32.45	-14.29	-1,027.13	4,908.95	4,909.14	4,877.40	31.74	154.664		
1,900.00	1,857.85	3,240.82	3,125.14	9.76	33.17	-14.20	-1,034.22	4,893.17	4,856.52	4,823.89	32.63	148.817		
2,000.00	1,953.87	3,300.00	3,181.22	10.30	33.98	-14.11	-1,041.91	4,875.90	4,804.65	4,771.06	33.58	143.060		
2,100.00	2,049.90	2,100.00	3,266.62	10.84	17.63	-13.95	-1,054.63	4,849.27	4,752.75	4,729.29	23.46	202.560		
2,200.00	2,145.92	3,453.80	3,326.44	11.39	36.10	-13.82	-1,064.17	4,830.44	4,700.88	4,665.03	35.85	131.116		
2,300.00	2,241.94	3,500.00	3,370.18	11.95	36.73	-13.74	-1,070.98	4,817.20	4,649.82	4,613.05	36.77	126.468		
2,400.00	2,337.97	3,626.48	3,490.43	12.50	38.31	-13.54	-1,085.80	4,780.94	4,598.21	4,560.07	38.15	120.538		
2,500.00	2,433.99	4,129.28	3,958.94	13.06	47.00	-12.55	-1,150.25	4,612.34	4,541.58	4,498.67	42.91	105.830		
2,600.00	2,530.02	4,194.58	4,018.38	13.63	48.47	-12.37	-1,160.85	4,587.48	4,482.71	4,438.46	44.25	101.294		
2,700.00	2,626.04	4,228.86	4,049.71	14.19	49.17	-12.27	-1,166.30	4,574.64	4,424.40	4,379.17	45.23	97.818		
2,800.00	2,722.07	4,260.91	4,079.16	14.76	49.81	-12.18	-1,171.20	4,563.02	4,367.01	4,320.82	46.19	94.547		
2,900.00	2,818.09	4,300.00	4,115.33	15.32	50.59	-12.08	-1,176.91	4,549.34	4,310.58	4,263.35	47.23	91.276		
3,000.00	2,914.12	4,402.96	4,210.85	15.89	52.48	-11.82	-1,191.24	4,513.65	4,254.50	4,205.72	48.78	87.212		
3,100.00	3,010.14	4,476.48	4,278.85	16.46	53.87	-11.62	-1,201.98	4,487.86	4,198.16	4,148.01	50.15	83.718		
3,200.00	3,106.17	4,527.16	4,325.61	17.03	54.82	-11.47	-1,210.14	4,470.10	4,142.16	4,090.83	51.33	80.699		
3,298.02	3,200.29	4,566.47	4,361.96	17.59	55.55	-11.35	-1,216.74	4,456.67	4,088.09	4,035.68	52.41	78.003		
3,300.00	3,202.19	4,567.27	4,362.70	17.60	55.57	-11.34	-1,216.87	4,456.40	4,087.01	4,034.58	52.43	77.950		
3,400.00	3,298.70	4,600.00	4,393.03	18.16	56.18	-11.00	-1,222.53	4,445.48	4,034.29	3,980.82	53.47	75.445		
3,500.00	3,396.07	4,656.18	4,445.21	18.68	57.13	-10.60	-1,232.52	4,427.23	3,985.38	3,930.63	54.75	72.791		
3,600.00	3,494.17	4,700.00	4,486.01	19.18	57.88	-10.26	-1,240.52	4,413.40	3,940.45	3,884.53	55.93	70.456		
3,700.00	3,592.88	4,751.43	4,534.14	19.64	58.64	-9.92	-1,249.65	4,397.72	3,899.63	3,842.50	57.13	68.260		
3,800.00	3,692.10	4,800.00	4,579.92	20.08	59.36	-9.63	-1,257.60	4,383.59	3,863.05	3,804.74	58.31	66.251		
3,900.00	3,791.69	4,862.18	4,638.96	20.49	60.13	-9.32	-1,266.66	4,366.28	3,830.66	3,771.17	59.48	64.398		
4,000.00	3,891.53	4,900.00	4,675.06	20.88	60.60	-9.12	-1,271.49	4,356.14	3,802.51	3,742.02	60.49	62.859		
4,108.50	4,000.00	4,957.09	4,729.95	21.27	61.14	104.76	-1,277.90	4,341.80	3,777.15	3,715.60	61.56	61.362		
4,200.00	4,091.50	5,000.00	4,771.52	21.58	61.55	104.86	-1,282.05	4,332.02	3,758.92	3,696.52	62.41	60.233		
4,300.00	4,191.50	5,078.53	4,847.84	21.92	62.17	105.04	-1,289.08	4,314.91	3,739.95	3,676.55	63.40	58.991		
4,400.00	4,291.50	5,139.29	4,906.96	22.27	62.61	105.17	-1,294.37	4,301.93	3,721.46	3,657.16	64.31	57.870		
4,500.00	4,391.50	5,200.00	4,966.29	22.62	63.03	105.29	-1,299.10	4,289.95	3,704.24	3,639.04	65.20	56.816		
4,600.00	4,491.50	5,234.61	5,000.23	22.97	63.21	105.35	-1,301.54	4,283.67	3,688.32	3,622.36	65.96	55.919		
4,700.00	4,591.50	5,300.00	5,064.64	23.33	63.56	105.46	-1,305.60	4,273.10	3,674.08	3,607.30	66.78	55.019		
4,800.00	4,691.50	5,322.68	5,087.04	23.69	63.64	105.49	-1,306.86	4,269.83	3,661.03	3,593.57	67.46	54.269		
4,900.00	4,791.50	5,369.94	5,133.82	24.05	63.82	105.55	-1,309.25	4,263.56	3,649.57	3,581.41	68.17	53.537		

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 13C-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 13C-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	4,891.50	5,420.88	5,184.37	24.42	63.99	105.61	-1,311.49	4,257.65	3,639.52	3,570.66	68.86	52.855		
5,100.00	4,991.50	5,478.03	5,241.18	24.78	64.16	105.67	-1,313.61	4,251.82	3,630.68	3,561.15	69.53	52.219		
5,200.00	5,091.50	5,537.57	5,300.46	25.15	64.31	105.72	-1,315.44	4,246.56	3,622.99	3,552.81	70.18	51.626		
5,300.00	5,191.50	5,600.00	5,362.69	25.53	64.45	105.77	-1,317.13	4,241.81	3,616.38	3,545.56	70.82	51.067		
5,400.00	5,291.50	5,659.63	5,422.17	25.90	64.57	105.81	-1,318.58	4,237.98	3,610.84	3,539.41	71.43	50.551		
5,500.00	5,391.50	5,718.55	5,481.00	26.28	64.69	105.84	-1,319.89	4,234.87	3,606.38	3,534.35	72.03	50.068		
5,600.00	5,491.50	5,773.34	5,535.75	26.65	64.78	105.86	-1,320.75	4,232.78	3,603.14	3,530.54	72.60	49.629		
5,700.00	5,591.50	5,842.82	5,605.20	27.03	64.90	105.88	-1,321.33	4,231.13	3,601.05	3,527.87	73.18	49.208		
5,800.00	5,691.50	5,924.32	5,686.69	27.41	65.03	105.89	-1,321.74	4,229.72	3,599.52	3,525.75	73.77	48.793		
5,900.00	5,791.50	6,002.27	5,764.63	27.80	65.16	105.90	-1,322.04	4,228.87	3,598.57	3,524.22	74.35	48.400		
6,000.00	5,891.50	6,098.33	5,860.69	28.18	65.31	105.91	-1,322.38	4,228.19	3,597.99	3,523.02	74.96	47.996		
6,100.00	5,991.50	6,187.73	5,950.09	28.57	65.46	105.91	-1,322.71	4,227.73	3,597.60	3,522.03	75.57	47.608		
6,183.26	6,074.76	6,262.41	6,024.76	28.89	65.58	105.92	-1,323.02	4,227.55	3,597.50	3,521.43	76.07	47.291 CC		
6,200.00	6,091.50	6,277.44	6,039.79	28.96	65.61	105.92	-1,323.09	4,227.53	3,597.50	3,521.33	76.17	47.228		
6,300.00	6,191.50	6,377.78	6,140.13	29.35	65.78	105.93	-1,323.55	4,227.49	3,597.58	3,520.78	76.80	46.843		
6,400.00	6,291.50	6,475.79	6,238.15	29.74	65.94	105.93	-1,323.93	4,227.43	3,597.63	3,520.20	77.43	46.464		
6,500.00	6,391.50	6,564.69	6,327.04	30.13	66.10	105.93	-1,324.11	4,227.58	3,597.85	3,519.82	78.04	46.106		
6,600.00	6,491.50	6,660.18	6,422.53	30.52	66.26	105.94	-1,324.27	4,228.05	3,598.37	3,519.71	78.66	45.747		
6,639.95	6,531.45	6,700.91	6,463.26	30.68	66.33	105.94	-1,324.35	4,228.24	3,598.58	3,519.66	78.91	45.602 ES		
6,650.00	6,541.50	6,711.95	6,474.30	30.72	66.35	-162.21	-1,324.38	4,228.29	3,598.70	3,519.72	78.98	45.566		
6,700.00	6,591.41	6,766.77	6,529.12	30.90	66.45	-162.15	-1,324.43	4,228.51	3,601.53	3,522.24	79.28	45.426		
6,750.00	6,640.95	6,815.47	6,577.81	31.09	66.54	-162.00	-1,324.42	4,228.67	3,608.02	3,528.46	79.55	45.354 SF		
6,800.00	6,689.82	6,854.63	6,616.98	31.29	66.61	-161.74	-1,324.49	4,228.85	3,618.29	3,538.51	79.78	45.354		
6,850.00	6,737.71	6,892.96	6,655.31	31.49	66.68	-161.38	-1,324.66	4,229.10	3,632.30	3,552.32	79.98	45.415		
6,900.00	6,784.33	6,900.00	6,662.35	31.70	66.69	-160.84	-1,324.71	4,229.16	3,650.13	3,570.05	80.07	45.584		
6,950.00	6,829.39	6,900.00	6,662.35	31.92	66.69	-160.11	-1,324.71	4,229.16	3,671.93	3,591.81	80.12	45.833		
7,000.00	6,872.61	6,900.00	6,662.35	32.15	66.69	-159.18	-1,324.71	4,229.16	3,697.50	3,617.38	80.12	46.148		
7,050.00	6,913.73	6,900.00	6,662.35	32.41	66.69	-158.00	-1,324.71	4,229.16	3,726.62	3,646.52	80.10	46.526		
7,100.00	6,952.49	6,900.00	6,662.35	32.68	66.69	-156.52	-1,324.71	4,229.16	3,759.01	3,678.97	80.04	46.962		
7,150.00	6,988.66	6,900.00	6,662.35	32.98	66.69	-154.65	-1,324.71	4,229.16	3,794.41	3,714.44	79.97	47.449		
7,200.00	7,022.01	6,900.00	6,662.35	33.31	66.69	-152.28	-1,324.71	4,229.16	3,832.52	3,752.64	79.88	47.981		
7,250.00	7,052.33	6,900.00	6,662.35	33.67	66.69	-149.24	-1,324.71	4,229.16	3,873.01	3,793.24	79.77	48.553		
7,300.00	7,079.44	6,900.00	6,662.35	34.07	66.69	-145.29	-1,324.71	4,229.16	3,915.58	3,835.92	79.65	49.157		
7,350.00	7,103.17	6,900.00	6,662.35	34.51	66.69	-140.06	-1,324.71	4,229.16	3,959.89	3,880.36	79.54	49.787		
7,400.00	7,123.38	6,900.00	6,662.35	34.98	66.69	-133.05	-1,324.71	4,229.16	4,005.63	3,926.21	79.42	50.437		
7,450.00	7,139.94	6,900.00	6,662.35	35.50	66.69	-123.61	-1,324.71	4,229.16	4,052.46	3,973.15	79.31	51.099		
7,500.00	7,152.75	6,900.00	6,662.35	36.05	66.69	-111.18	-1,324.71	4,229.16	4,100.06	4,020.86	79.20	51.767		
7,550.00	7,161.73	6,900.00	6,662.35	36.64	66.69	-95.96	-1,324.71	4,229.16	4,148.13	4,069.02	79.11	52.436		
7,600.00	7,166.82	6,900.00	6,662.35	37.26	66.69	-79.63	-1,324.71	4,229.16	4,196.35	4,117.31	79.03	53.097		
7,649.14	7,168.00	6,900.00	6,662.35	37.89	66.69	-64.93	-1,324.71	4,229.16	4,243.59	4,164.62	78.97	53.736		
7,700.00	7,167.27	6,900.00	6,662.35	38.57	66.69	-64.93	-1,324.71	4,229.16	4,292.35	4,213.43	78.92	54.389		
7,800.00	7,165.83	6,900.00	6,662.35	40.04	66.69	-64.93	-1,324.71	4,229.16	4,388.36	4,309.53	78.83	55.666		
7,900.00	7,164.38	6,900.00	6,662.35	41.66	66.69	-64.93	-1,324.71	4,229.16	4,484.54	4,405.78	78.76	56.936		
8,000.00	7,162.94	6,900.00	6,662.35	43.40	66.69	-64.93	-1,324.71	4,229.16	4,580.89	4,502.18	78.71	58.201		
8,100.00	7,161.50	6,900.00	6,662.35	45.26	66.69	-64.93	-1,324.71	4,229.16	4,677.39	4,598.72	78.66	59.461		
8,200.00	7,160.05	6,900.00	6,662.35	47.21	66.69	-64.93	-1,324.71	4,229.16	4,774.03	4,695.40	78.63	60.715		
8,300.00	7,158.61	6,900.00	6,662.35	49.26	66.69	-64.93	-1,324.71	4,229.16	4,870.81	4,792.20	78.61	61.964		
8,400.00	7,157.17	6,900.00	6,662.35	51.38	66.69	-64.93	-1,324.71	4,229.16	4,967.72	4,889.12	78.59	63.209		
8,500.00	7,155.73	6,900.00	6,662.35	53.57	66.69	-64.93	-1,324.71	4,229.16	5,064.74	4,986.16	78.59	64.449		
8,600.00	7,154.28	6,900.00	6,662.35	55.82	66.69	-64.93	-1,324.71	4,229.16	5,161.88	5,083.30	78.59	65.684		
8,700.00	7,152.84	6,900.00	6,662.35	58.12	66.69	-64.93	-1,324.71	4,229.16	5,259.13	5,180.54	78.59	66.916		
8,800.00	7,151.40	6,900.00	6,662.35	60.47	66.69	-64.93	-1,324.71	4,229.16	5,356.48	5,277.87	78.61	68.144		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	6,900.00	6,662.35	62.86	66.69	-64.93	-1,324.71	4,229.16	5,453.93	5,375.30	78.62	69.368		
9,000.00	7,148.51	6,900.00	6,662.35	65.28	66.69	-64.93	-1,324.71	4,229.16	5,551.46	5,472.81	78.65	70.588		
9,100.00	7,147.07	6,900.00	6,662.35	67.74	66.69	-64.93	-1,324.71	4,229.16	5,649.08	5,570.41	78.67	71.805		
9,200.00	7,145.62	6,900.00	6,662.35	70.23	66.69	-64.93	-1,324.71	4,229.16	5,746.79	5,668.08	78.70	73.018		
9,300.00	7,144.18	6,900.00	6,662.35	72.74	66.69	-64.93	-1,324.71	4,229.16	5,844.57	5,765.83	78.74	74.228		
9,400.00	7,142.74	6,900.00	6,662.35	75.28	66.69	-64.93	-1,324.71	4,229.16	5,942.42	5,863.65	78.78	75.435		
9,500.00	7,141.29	6,900.00	6,662.35	77.84	66.69	-64.93	-1,324.71	4,229.16	6,040.35	5,961.53	78.82	76.639		
9,600.00	7,139.85	6,900.00	6,662.35	80.42	66.69	-64.93	-1,324.71	4,229.16	6,138.34	6,059.48	78.86	77.839		
9,700.00	7,138.41	6,900.00	6,662.35	83.01	66.69	-64.93	-1,324.71	4,229.16	6,236.40	6,157.49	78.90	79.037		
9,800.00	7,136.97	6,900.00	6,662.35	85.62	66.69	-64.93	-1,324.71	4,229.16	6,334.51	6,255.56	78.95	80.232		
9,900.00	7,135.52	6,900.00	6,662.35	88.25	66.69	-64.93	-1,324.71	4,229.16	6,432.69	6,353.69	79.00	81.424		
10,000.00	7,134.08	6,900.00	6,662.35	90.89	66.69	-64.93	-1,324.71	4,229.16	6,530.92	6,451.86	79.05	82.613		
10,100.00	7,132.64	6,900.00	6,662.35	93.54	66.69	-64.93	-1,324.71	4,229.16	6,629.20	6,550.09	79.11	83.799		
10,200.00	7,131.19	6,900.00	6,662.35	96.20	66.69	-64.93	-1,324.71	4,229.16	6,727.53	6,648.37	79.16	84.983		
10,300.00	7,129.75	6,900.00	6,662.35	98.87	66.69	-64.93	-1,324.71	4,229.16	6,825.92	6,746.70	79.22	86.164		
10,400.00	7,128.31	6,900.00	6,662.35	101.55	66.69	-64.93	-1,324.71	4,229.16	6,924.35	6,845.07	79.28	87.342		
10,500.00	7,126.86	6,900.00	6,662.35	104.24	66.69	-64.93	-1,324.71	4,229.16	7,022.82	6,943.48	79.34	88.518		
10,600.00	7,125.42	6,900.00	6,662.35	106.94	66.69	-64.93	-1,324.71	4,229.16	7,121.33	7,041.94	79.40	89.691		
10,700.00	7,123.98	6,900.00	6,662.35	109.64	66.69	-64.93	-1,324.71	4,229.16	7,219.89	7,140.43	79.46	90.862		
10,800.00	7,122.53	6,900.00	6,662.35	112.36	66.69	-64.93	-1,324.71	4,229.16	7,318.49	7,238.96	79.52	92.030		
10,900.00	7,121.09	6,900.00	6,662.35	115.08	66.69	-64.93	-1,324.71	4,229.16	7,417.12	7,337.53	79.59	93.195		
11,000.00	7,119.65	6,900.00	6,662.35	117.80	66.69	-64.93	-1,324.71	4,229.16	7,515.79	7,436.14	79.65	94.358		
11,100.00	7,118.20	6,900.00	6,662.35	120.53	66.69	-64.93	-1,324.71	4,229.16	7,614.49	7,534.77	79.72	95.519		
11,200.00	7,116.76	6,900.00	6,662.35	123.26	66.69	-64.93	-1,324.71	4,229.16	7,713.23	7,633.44	79.78	96.676		
11,300.00	7,115.32	6,900.00	6,662.35	126.00	66.69	-64.93	-1,324.71	4,229.16	7,812.00	7,732.15	79.85	97.832		
11,400.00	7,113.88	6,900.00	6,662.35	128.75	66.69	-64.93	-1,324.71	4,229.16	7,910.80	7,830.88	79.92	98.985		
11,500.00	7,112.43	6,900.00	6,662.35	131.50	66.69	-64.93	-1,324.71	4,229.16	8,009.63	7,929.64	79.99	100.135		
11,600.00	7,110.99	6,900.00	6,662.35	134.25	66.69	-64.93	-1,324.71	4,229.16	8,108.49	8,028.43	80.06	101.283		
11,700.00	7,109.55	6,900.00	6,662.35	137.01	66.69	-64.93	-1,324.71	4,229.16	8,207.37	8,127.25	80.13	102.428		
11,800.00	7,108.10	6,900.00	6,662.35	139.77	66.69	-64.93	-1,324.71	4,229.16	8,306.29	8,226.09	80.20	103.571		
11,900.00	7,106.66	6,900.00	6,662.35	142.53	66.69	-64.93	-1,324.71	4,229.16	8,405.23	8,324.96	80.27	104.711		
12,000.00	7,105.22	6,900.00	6,662.35	145.30	66.69	-64.93	-1,324.71	4,229.16	8,504.19	8,423.85	80.34	105.849		
12,100.00	7,103.77	6,900.00	6,662.35	148.06	66.69	-64.93	-1,324.71	4,229.16	8,603.18	8,522.76	80.42	106.985		
12,200.00	7,102.33	6,900.00	6,662.35	150.84	66.69	-64.93	-1,324.71	4,229.16	8,702.19	8,621.70	80.49	108.117		
12,300.00	7,100.89	6,900.00	6,662.35	153.61	66.69	-64.93	-1,324.71	4,229.16	8,801.22	8,720.66	80.56	109.248		
12,400.00	7,099.44	6,900.00	6,662.35	156.39	66.69	-64.93	-1,324.71	4,229.16	8,900.28	8,819.64	80.64	110.376		
12,500.00	7,098.00	6,900.00	6,662.35	159.17	66.69	-64.93	-1,324.71	4,229.16	8,999.35	8,918.64	80.71	111.501		
12,600.00	7,096.56	6,900.00	6,662.35	161.95	66.69	-64.93	-1,324.71	4,229.16	9,098.45	9,017.66	80.79	112.623		
12,700.00	7,095.12	6,900.00	6,662.35	164.73	66.69	-64.93	-1,324.71	4,229.16	9,197.56	9,116.70	80.86	113.744		
12,800.00	7,093.67	6,900.00	6,662.35	167.52	66.69	-64.93	-1,324.71	4,229.16	9,296.70	9,215.76	80.94	114.861		
12,900.00	7,092.23	6,900.00	6,662.35	170.31	66.69	-64.93	-1,324.71	4,229.16	9,395.85	9,314.83	81.02	115.976		
13,000.00	7,090.79	6,900.00	6,662.35	173.09	66.69	-64.93	-1,324.71	4,229.16	9,495.02	9,413.93	81.09	117.089		
13,100.00	7,089.34	6,900.00	6,662.35	175.89	66.69	-64.93	-1,324.71	4,229.16	9,594.21	9,513.04	81.17	118.199		
13,200.00	7,087.90	6,900.00	6,662.35	178.68	66.69	-64.93	-1,324.71	4,229.16	9,693.41	9,612.16	81.25	119.306		
13,300.00	7,086.46	6,900.00	6,662.35	181.47	66.69	-64.93	-1,324.71	4,229.16	9,792.63	9,711.31	81.33	120.410		
13,400.00	7,085.01	6,900.00	6,662.35	184.27	66.69	-64.93	-1,324.71	4,229.16	9,891.87	9,810.46	81.41	121.513		
13,500.00	7,083.57	6,900.00	6,662.35	187.07	66.69	-64.93	-1,324.71	4,229.16	9,991.12	9,909.64	81.49	122.612		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	82.45	68.86	519.72	524.31				
100.00	100.00	100.42	100.42	3.28	3.29	82.47	68.62	519.04	523.61	517.03	6.57	79.660	
200.00	200.00	203.38	203.36	3.34	3.34	82.50	68.12	517.26	521.83	515.15	6.67	78.188	
300.00	300.00	302.38	302.34	3.44	3.44	82.56	67.28	515.25	519.71	512.82	6.89	75.470	
400.00	399.98	400.52	400.47	3.60	3.60	-31.18	66.72	513.95	516.82	509.63	7.19	71.855	
500.00	499.84	503.92	503.84	3.79	3.80	-31.55	66.44	512.12	510.56	502.96	7.60	67.198	
600.00	599.45	607.39	607.28	4.03	4.06	-32.23	66.29	509.47	500.61	492.52	8.09	61.914	
700.00	698.70	705.15	705.00	4.30	4.32	-33.18	66.29	506.51	487.35	478.73	8.62	56.520	
800.00	797.47	806.09	805.89	4.61	4.63	-34.32	64.98	503.83	471.48	462.25	9.23	51.090	
900.00	895.62	900.25	900.00	4.96	4.93	-35.67	63.15	501.22	452.71	442.85	9.86	45.915	
1,000.00	993.06	994.44	994.16	5.34	5.25	-37.48	61.88	499.44	432.37	421.83	10.54	41.038	
1,100.00	1,089.64	1,092.99	1,092.69	5.75	5.59	-39.91	60.81	497.63	409.86	398.59	11.27	36.371	
1,110.48	1,099.71	1,103.37	1,103.07	5.80	5.63	-40.21	60.71	497.39	407.34	395.99	11.35	35.882	
1,200.00	1,185.67	1,195.13	1,194.78	6.20	5.97	-42.75	59.90	494.38	385.28	373.23	12.05	31.977	
1,300.00	1,281.70	1,281.90	1,281.47	6.67	6.29	-45.51	59.42	491.00	361.10	348.29	12.81	28.185	
1,400.00	1,377.72	1,369.69	1,369.24	7.16	6.61	-48.80	60.98	490.03	341.31	327.71	13.61	25.085	
1,500.00	1,473.75	1,459.58	1,459.08	7.66	6.93	-52.67	64.00	489.85	324.53	310.09	14.44	22.482	
1,600.00	1,569.77	1,554.56	1,553.88	8.17	7.28	-57.50	69.66	489.72	311.05	295.74	15.31	20.313	
1,700.00	1,665.80	1,646.12	1,645.24	8.69	7.63	-62.64	75.72	489.09	300.14	283.93	16.21	18.516	
1,800.00	1,761.82	1,732.35	1,731.05	9.22	7.95	-68.10	84.17	488.63	294.46	277.37	17.10	17.224	
1,836.11	1,796.50	1,763.06	1,761.56	9.41	8.07	-70.10	87.74	488.81	294.02	276.61	17.41	16.888 CC, ES	
1,900.00	1,857.85	1,823.24	1,821.28	9.76	8.30	-74.04	95.11	489.38	294.90	276.90	18.00	16.385	
2,000.00	1,953.87	1,914.97	1,912.27	10.30	8.67	-80.09	106.71	489.58	299.35	280.46	18.90	15.842	
2,100.00	2,049.90	2,005.59	2,001.86	10.84	9.05	-86.20	120.31	488.66	309.11	289.35	19.76	15.642	
2,200.00	2,145.92	2,099.46	2,094.62	11.39	9.46	-92.24	134.58	487.09	322.79	302.15	20.63	15.644	
2,300.00	2,241.94	2,193.91	2,187.99	11.95	9.88	-97.84	148.71	485.24	339.75	318.25	21.49	15.809	
2,400.00	2,337.97	2,288.77	2,281.83	12.50	10.30	-103.03	162.39	482.74	359.21	336.87	22.34	16.081	
2,500.00	2,433.99	2,382.63	2,374.70	13.06	10.73	-107.74	175.58	479.58	381.01	357.85	23.16	16.452	
2,600.00	2,530.02	2,475.40	2,466.50	13.63	11.16	-112.02	188.43	475.76	405.00	381.04	23.96	16.903	
2,700.00	2,626.04	2,568.27	2,558.38	14.19	11.59	-115.89	201.27	471.52	431.07	406.31	24.76	17.412	
2,800.00	2,722.07	2,661.30	2,650.43	14.76	12.03	-119.44	213.81	466.60	458.67	433.11	25.56	17.948	
2,900.00	2,818.09	2,753.42	2,741.56	15.32	12.47	-122.63	226.10	461.19	487.79	461.45	26.34	18.518	
3,000.00	2,914.12	2,845.86	2,833.01	15.89	12.91	-125.55	238.26	455.31	518.19	491.06	27.14	19.096	
3,100.00	3,010.14	2,938.03	2,924.19	16.46	13.36	-128.19	250.19	449.07	549.68	521.75	27.93	19.681	
3,200.00	3,106.17	3,031.58	3,016.74	17.03	13.81	-130.61	262.14	442.56	582.08	553.33	28.75	20.249	
3,298.02	3,200.29	3,122.84	3,107.10	17.59	14.25	-132.75	273.36	436.28	614.21	584.67	29.55	20.788	
3,300.00	3,202.19	3,124.58	3,108.82	17.60	14.26	-132.80	273.58	436.18	614.87	585.31	29.56	20.800	
3,400.00	3,298.70	3,214.29	3,197.59	18.16	14.70	-134.88	285.71	431.76	647.51	617.18	30.34	21.345	
3,500.00	3,396.07	3,309.38	3,291.67	18.68	15.17	-136.61	298.78	427.15	678.37	647.20	31.17	21.765	
3,600.00	3,494.17	3,407.43	3,388.74	19.18	15.65	-138.04	311.71	422.29	706.61	674.59	32.02	22.066	
3,700.00	3,592.88	3,504.28	3,484.63	19.64	16.13	-139.16	324.27	417.17	732.47	699.61	32.85	22.297	
3,800.00	3,692.10	3,605.69	3,585.11	20.08	16.63	-140.06	336.82	411.66	755.39	721.67	33.72	22.400	
3,900.00	3,791.69	3,702.23	3,680.81	20.49	17.10	-140.69	348.48	406.55	775.43	740.91	34.52	22.461	
4,000.00	3,891.53	3,804.02	3,781.66	20.88	17.60	-141.14	360.97	400.67	793.25	757.87	35.38	22.423	
4,108.50	4,000.00	3,935.54	3,912.28	21.27	18.23	-27.86	373.90	392.63	807.38	770.87	36.52	22.111	
4,200.00	4,091.50	4,077.64	4,053.97	21.58	18.86	-28.07	381.32	385.21	813.95	776.25	37.70	21.591	
4,300.00	4,191.50	4,197.51	4,173.75	21.92	19.35	-28.38	381.01	380.46	815.42	776.80	38.62	21.116	
4,400.00	4,291.50	4,308.61	4,284.77	22.27	19.79	-28.64	380.24	376.69	816.47	777.01	39.46	20.690	
4,500.00	4,391.50	4,410.94	4,387.06	22.62	20.19	-28.85	378.50	374.26	816.12	775.86	40.25	20.275	
4,600.00	4,491.50	4,507.95	4,484.02	22.97	20.57	-29.05	376.97	371.79	815.98	774.96	41.01	19.895	
4,637.02	4,528.52	4,546.97	4,523.03	23.11	20.72	-29.11	376.55	371.03	815.97	774.66	41.32	19.750	
4,700.00	4,591.50	4,615.19	4,591.26	23.33	20.98	-29.09	376.38	371.44	815.65	773.81	41.84	19.495	

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 13C-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 13C-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		
4,800.00	4,691.50	4,709.55	4,685.60	23.69	21.35	-28.98	376.80	373.08	815.20	772.60	42.59	19.140		
4,823.56	4,715.07	4,732.02	4,708.07	23.78	21.44	-28.95	376.96	373.40	815.18	772.41	42.77	19.059		
4,900.00	4,791.50	4,804.94	4,780.97	24.05	21.73	-28.86	377.72	374.45	815.35	771.99	43.36	18.805		
5,000.00	4,891.50	4,901.67	4,877.68	24.42	22.11	-28.74	379.10	375.67	815.99	771.85	44.14	18.487		
5,100.00	4,991.50	5,000.96	4,976.96	24.78	22.52	-28.63	380.61	376.67	816.85	771.91	44.94	18.176		
5,200.00	5,091.50	5,096.24	5,072.22	25.15	22.91	-28.54	382.26	377.22	818.08	772.36	45.72	17.893		
5,300.00	5,191.50	5,195.42	5,171.38	25.53	23.32	-28.46	384.14	377.48	819.62	773.09	46.53	17.615		
5,400.00	5,291.50	5,293.71	5,269.65	25.90	23.73	-28.40	386.02	377.44	821.32	773.99	47.34	17.351		
5,500.00	5,391.50	5,390.23	5,366.15	26.28	24.14	-28.36	387.96	377.08	823.28	775.14	48.13	17.104		
5,600.00	5,491.50	5,482.24	5,458.13	26.65	24.53	-28.34	390.31	376.08	826.04	777.14	48.90	16.893		
5,700.00	5,591.50	5,592.59	5,568.43	27.03	25.00	-28.32	393.53	374.71	829.26	779.46	49.80	16.652		
5,800.00	5,691.50	5,713.26	5,689.09	27.41	25.49	-28.27	393.57	375.42	828.81	778.07	50.73	16.336		
5,849.10	5,740.60	5,757.78	5,733.60	27.60	25.67	-28.25	393.61	375.74	828.68	777.57	51.10	16.215		
5,900.00	5,791.50	5,805.31	5,781.13	27.80	25.86	-28.23	393.83	375.95	828.78	777.28	51.50	16.092		
6,000.00	5,891.50	5,899.48	5,875.30	28.18	26.25	-28.21	394.66	375.94	829.56	777.27	52.29	15.865		
6,100.00	5,991.50	5,994.79	5,970.60	28.57	26.65	-28.20	395.88	375.39	830.96	777.88	53.09	15.653		
6,200.00	6,091.50	6,089.67	6,065.46	28.96	27.06	-28.22	397.41	374.31	832.92	779.04	53.88	15.458		
6,300.00	6,191.50	6,184.49	6,160.25	29.35	27.46	-28.24	399.40	372.77	835.53	780.85	54.68	15.281		
6,400.00	6,291.50	6,308.00	6,283.72	29.74	27.98	-28.31	401.24	370.70	837.78	782.12	55.66	15.051		
6,500.00	6,391.50	6,598.34	6,564.60	30.13	28.98	-24.87	391.20	430.67	821.93	765.69	56.23	14.617		
6,600.00	6,491.50	6,738.37	6,687.33	30.52	29.36	-20.55	385.54	497.36	797.19	740.34	56.85	14.023		
6,639.95	6,531.45	6,772.99	6,716.14	30.68	29.45	-19.23	384.59	516.53	787.24	729.90	57.34	13.730		
6,650.00	6,541.50	6,781.52	6,723.18	30.72	29.48	73.18	384.40	521.33	784.78	727.32	57.46	13.658		
6,700.00	6,591.41	6,833.27	6,765.30	30.90	29.60	76.64	383.30	551.38	772.31	714.28	58.03	13.308		
6,750.00	6,640.95	6,884.81	6,805.86	31.09	29.73	80.57	381.92	583.14	759.38	700.75	58.64	12.951		
6,800.00	6,689.82	6,919.18	6,832.04	31.29	29.87	83.80	380.94	605.38	747.02	687.62	59.40	12.576		
6,850.00	6,737.71	6,945.40	6,851.44	31.49	30.03	86.54	380.39	623.01	736.30	676.12	60.18	12.235		
6,900.00	6,784.33	6,965.93	6,866.27	31.70	30.16	88.78	380.09	637.20	727.85	666.94	60.92	11.948		
6,950.00	6,829.39	6,981.30	6,877.16	31.92	30.25	90.44	379.93	648.05	722.22	660.65	61.57	11.730		
7,000.00	6,872.61	6,992.49	6,884.97	32.15	30.33	91.52	379.86	656.06	719.79	657.68	62.11	11.590		
7,010.80	6,881.68	6,994.43	6,886.31	32.21	30.35	91.68	379.85	657.46	719.70	657.50	62.21	11.570		
7,050.00	6,913.73	6,999.65	6,889.90	32.41	30.39	92.00	379.82	661.25	720.78	658.28	62.50	11.532 SF		
7,100.00	6,952.49	7,002.67	6,891.97	32.68	30.41	91.83	379.80	663.46	725.33	662.58	62.75	11.560		
7,150.00	6,988.66	7,002.24	6,891.68	32.98	30.41	91.06	379.81	663.14	733.37	670.53	62.84	11.670		
7,200.00	7,022.01	6,998.91	6,889.40	33.31	30.38	89.74	379.82	660.71	744.76	681.94	62.82	11.855		
7,250.00	7,052.33	6,988.00	6,881.85	33.67	30.30	87.53	379.88	652.83	759.23	696.62	62.61	12.126		
7,300.00	7,079.44	6,988.00	6,881.85	34.07	30.30	85.89	379.88	652.83	776.40	713.79	62.62	12.399		
7,350.00	7,103.17	6,975.75	6,873.25	34.51	30.22	83.06	379.98	644.11	795.94	733.53	62.41	12.753		
7,400.00	7,123.38	6,964.49	6,865.24	34.98	30.15	80.12	380.10	636.20	817.46	755.18	62.28	13.126		
7,450.00	7,139.94	6,951.74	6,856.06	35.50	30.07	76.95	380.28	627.36	840.53	778.35	62.18	13.519		
7,500.00	7,152.75	6,937.68	6,845.79	36.05	29.98	73.63	380.53	617.76	864.77	802.65	62.12	13.920		
7,550.00	7,161.73	6,922.46	6,834.50	36.64	29.89	70.24	380.86	607.55	889.82	827.69	62.13	14.323		
7,600.00	7,166.82	6,893.00	6,812.17	37.26	29.75	66.18	381.67	588.35	915.50	853.59	61.90	14.789		
7,649.14	7,168.00	6,893.00	6,812.17	37.89	29.75	63.81	381.67	588.35	940.54	878.13	62.42	15.069		
7,700.00	7,167.27	6,865.59	6,790.90	38.57	29.68	62.53	382.48	571.08	967.16	904.76	62.39	15.501		
7,800.00	7,165.83	6,824.03	6,757.88	40.04	29.58	60.60	383.52	545.88	1,022.89	960.27	62.62	16.336		
7,900.00	7,164.38	6,786.09	6,726.95	41.66	29.49	58.85	384.30	523.92	1,082.79	1,019.88	62.91	17.212		
8,000.00	7,162.94	6,750.68	6,697.61	43.40	29.40	57.26	385.18	504.11	1,146.44	1,083.20	63.24	18.127		
8,100.00	7,161.50	6,717.25	6,669.57	45.26	29.31	55.80	386.24	485.95	1,213.40	1,149.81	63.59	19.082		
8,200.00	7,160.05	6,703.00	6,657.51	47.21	29.27	55.19	386.76	478.37	1,283.49	1,219.28	64.21	19.990		
8,300.00	7,158.61	6,673.56	6,632.19	49.26	29.19	53.95	387.91	463.40	1,356.29	1,291.76	64.53	21.018		
8,400.00	7,157.17	6,656.87	6,617.53	51.38	29.14	53.25	388.60	455.45	1,431.88	1,366.90	64.98	22.035		

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 13C-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 13C-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		
8,500.00	7,155.73	6,641.67	6,604.01	53.57	29.10	52.62	389.25	448.55	1,509.81	1,444.42	65.39	23.089		
8,600.00	7,154.28	6,607.00	6,572.56	55.82	29.01	51.19	390.80	434.05	1,590.24	1,524.71	65.53	24.269		
8,700.00	7,152.84	6,607.00	6,572.56	58.12	29.01	51.19	390.80	434.05	1,671.66	1,605.64	66.01	25.324		
8,800.00	7,151.40	6,607.00	6,572.56	60.47	29.01	51.19	390.80	434.05	1,754.99	1,688.57	66.42	26.421		
8,900.00	7,149.95	6,579.81	6,547.51	62.86	28.92	50.10	392.11	423.54	1,839.60	1,773.05	66.55	27.641		
9,000.00	7,148.51	6,560.27	6,529.43	65.28	28.86	49.34	393.12	416.20	1,925.30	1,858.57	66.73	28.852		
9,100.00	7,147.07	6,541.63	6,512.12	67.74	28.81	48.63	394.14	409.37	2,011.95	1,945.06	66.90	30.075		
9,200.00	7,145.62	6,512.00	6,484.48	70.23	28.72	47.53	395.88	398.84	2,099.54	2,032.56	66.98	31.347		
9,300.00	7,144.18	6,512.00	6,484.48	72.74	28.72	47.53	395.88	398.84	2,187.78	2,120.55	67.24	32.539		
9,400.00	7,142.74	6,512.00	6,484.48	75.28	28.72	47.53	395.88	398.84	2,276.99	2,209.53	67.46	33.752		
9,500.00	7,141.29	6,512.00	6,484.48	77.84	28.72	47.53	395.88	398.84	2,367.07	2,299.41	67.66	34.984		
9,600.00	7,139.85	6,512.00	6,484.48	80.42	28.72	47.53	395.88	398.84	2,457.91	2,390.07	67.84	36.232		
9,700.00	7,138.41	6,512.00	6,484.48	83.01	28.72	47.53	395.88	398.84	2,549.44	2,481.45	67.99	37.495		
9,800.00	7,136.97	6,512.00	6,484.48	85.62	28.72	47.53	395.88	398.84	2,641.58	2,573.45	68.13	38.771		
9,900.00	7,135.52	6,512.00	6,484.48	88.25	28.72	47.53	395.88	398.84	2,734.28	2,666.02	68.26	40.058		
10,000.00	7,134.08	6,512.00	6,484.48	90.89	28.72	47.53	395.88	398.84	2,827.47	2,759.10	68.37	41.355		
10,100.00	7,132.64	6,512.00	6,484.48	93.54	28.72	47.53	395.88	398.84	2,921.11	2,852.64	68.47	42.661		
10,200.00	7,131.19	6,469.01	6,443.53	96.20	28.58	45.97	398.13	386.03	3,012.78	2,944.33	68.44	44.019		
10,300.00	7,129.75	6,465.78	6,440.40	98.87	28.56	45.85	398.27	385.25	3,106.83	3,038.30	68.53	45.335		
10,400.00	7,128.31	6,462.74	6,437.44	101.55	28.55	45.74	398.40	384.53	3,201.22	3,132.61	68.61	46.658		
10,500.00	7,126.86	6,459.86	6,434.64	104.24	28.55	45.64	398.51	383.87	3,295.91	3,227.23	68.69	47.985		
10,600.00	7,125.42	6,417.00	6,392.48	106.94	28.40	44.10	399.86	376.43	3,392.97	3,324.34	68.63	49.436		
10,700.00	7,123.98	6,417.00	6,392.48	109.64	28.40	44.10	399.86	376.43	3,487.96	3,419.24	68.72	50.760		
10,800.00	7,122.53	6,417.00	6,392.48	112.36	28.40	44.10	399.86	376.43	3,583.22	3,514.43	68.79	52.087		
10,900.00	7,121.09	6,417.00	6,392.48	115.08	28.40	44.10	399.86	376.43	3,678.73	3,609.86	68.87	53.419		
11,000.00	7,119.65	6,417.00	6,392.48	117.80	28.40	44.10	399.86	376.43	3,774.47	3,705.54	68.93	54.755		
11,100.00	7,118.20	6,417.00	6,392.48	120.53	28.40	44.10	399.86	376.43	3,870.43	3,801.43	69.00	56.093		
11,200.00	7,116.76	6,417.00	6,392.48	123.26	28.40	44.10	399.86	376.43	3,966.59	3,897.53	69.06	57.434		
11,300.00	7,115.32	6,417.00	6,392.48	126.00	28.40	44.10	399.86	376.43	4,062.93	3,993.81	69.12	58.778		
11,400.00	7,113.88	6,417.00	6,392.48	128.75	28.40	44.10	399.86	376.43	4,159.45	4,090.27	69.18	60.123		
11,500.00	7,112.43	6,417.00	6,392.48	131.50	28.40	44.10	399.86	376.43	4,256.13	4,186.89	69.24	61.470		
11,600.00	7,110.99	6,417.00	6,392.48	134.25	28.40	44.10	399.86	376.43	4,352.95	4,283.66	69.29	62.819		
11,700.00	7,109.55	6,417.00	6,392.48	137.01	28.40	44.10	399.86	376.43	4,449.92	4,380.57	69.35	64.168		
11,800.00	7,108.10	6,417.00	6,392.48	139.77	28.40	44.10	399.86	376.43	4,547.02	4,477.62	69.40	65.519		
11,900.00	7,106.66	6,417.00	6,392.48	142.53	28.40	44.10	399.86	376.43	4,644.24	4,574.79	69.45	66.869		
12,000.00	7,105.22	6,417.00	6,392.48	145.30	28.40	44.10	399.86	376.43	4,741.58	4,672.08	69.50	68.221		
12,100.00	7,103.77	6,417.00	6,392.48	148.06	28.40	44.10	399.86	376.43	4,839.03	4,769.47	69.55	69.572		
12,200.00	7,102.33	6,417.00	6,392.48	150.84	28.40	44.10	399.86	376.43	4,936.58	4,866.97	69.60	70.923		
12,300.00	7,100.89	6,417.00	6,392.48	153.61	28.40	44.10	399.86	376.43	5,034.22	4,964.57	69.65	72.274		
12,400.00	7,099.44	6,417.00	6,392.48	156.39	28.40	44.10	399.86	376.43	5,131.96	5,062.25	69.70	73.625		
12,500.00	7,098.00	6,417.00	6,392.48	159.17	28.40	44.10	399.86	376.43	5,229.78	5,160.02	69.75	74.974		
12,600.00	7,096.56	6,417.00	6,392.48	161.95	28.40	44.10	399.86	376.43	5,327.68	5,257.88	69.80	76.324		
12,700.00	7,095.12	6,417.00	6,392.48	164.73	28.40	44.10	399.86	376.43	5,425.66	5,355.80	69.85	77.672		
12,800.00	7,093.67	6,417.00	6,392.48	167.52	28.40	44.10	399.86	376.43	5,523.71	5,453.80	69.90	79.019		
12,900.00	7,092.23	6,417.00	6,392.48	170.31	28.40	44.10	399.86	376.43	5,621.83	5,551.87	69.95	80.365		
13,000.00	7,090.79	6,417.00	6,392.48	173.09	28.40	44.10	399.86	376.43	5,720.01	5,650.01	70.00	81.710		
13,100.00	7,089.34	6,417.00	6,392.48	175.89	28.40	44.10	399.86	376.43	5,818.26	5,748.20	70.05	83.054		
13,200.00	7,087.90	6,417.00	6,392.48	178.68	28.40	44.10	399.86	376.43	5,916.56	5,846.46	70.10	84.396		
13,300.00	7,086.46	6,417.00	6,392.48	181.47	28.40	44.10	399.86	376.43	6,014.93	5,944.77	70.16	85.736		
13,400.00	7,085.01	6,417.00	6,392.48	184.27	28.40	44.10	399.86	376.43	6,113.34	6,043.13	70.21	87.075		
13,500.00	7,083.57	6,417.00	6,392.48	187.07	28.40	44.10	399.86	376.43	6,211.80	6,141.54	70.26	88.412		
13,600.00	7,082.13	6,417.00	6,392.48	189.86	28.40	44.10	399.86	376.43	6,310.32	6,240.01	70.31	89.747		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 #11-5-3NCHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 133-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
13,700.00	7,080.68	6,417.00	6,392.48	192.66	28.40	44.10	399.86	376.43	6,408.88	6,338.51	70.37	91.080	
13,800.00	7,079.24	6,417.00	6,392.48	195.47	28.40	44.10	399.86	376.43	6,507.48	6,437.06	70.42	92.411	
13,900.00	7,077.80	6,417.00	6,392.48	198.27	28.40	44.10	399.86	376.43	6,606.13	6,535.65	70.47	93.740	
14,000.00	7,076.36	6,417.00	6,392.48	201.07	28.40	44.10	399.86	376.43	6,704.81	6,634.28	70.53	95.067	
14,100.00	7,074.91	6,417.00	6,392.48	203.88	28.40	44.10	399.86	376.43	6,803.53	6,732.95	70.58	96.391	
14,200.00	7,073.47	6,417.00	6,392.48	206.68	28.40	44.10	399.86	376.43	6,902.29	6,831.66	70.64	97.713	
14,300.00	7,072.03	6,417.00	6,392.48	209.49	28.40	44.10	399.86	376.43	7,001.09	6,930.40	70.69	99.033	
14,400.00	7,070.58	6,417.00	6,392.48	212.30	28.40	44.10	399.86	376.43	7,099.92	7,029.17	70.75	100.350	
14,500.00	7,069.14	6,417.00	6,392.48	215.11	28.40	44.10	399.86	376.43	7,198.78	7,127.97	70.81	101.664	
14,600.00	7,067.70	6,417.00	6,392.48	217.92	28.40	44.10	399.86	376.43	7,297.67	7,226.81	70.87	102.976	
14,700.00	7,066.25	6,417.00	6,392.48	220.73	28.40	44.10	399.86	376.43	7,396.60	7,325.67	70.93	104.286	
14,800.00	7,064.81	6,417.00	6,392.48	223.54	28.40	44.10	399.86	376.43	7,495.55	7,424.56	70.99	105.592	
14,900.00	7,063.37	6,417.00	6,392.48	226.35	28.40	44.10	399.86	376.43	7,594.53	7,523.48	71.05	106.896	
15,000.00	7,061.92	6,417.00	6,392.48	229.16	28.40	44.10	399.86	376.43	7,693.53	7,622.43	71.11	108.197	
15,100.00	7,060.48	6,417.00	6,392.48	231.98	28.40	44.10	399.86	376.43	7,792.56	7,721.39	71.17	109.495	
15,200.00	7,059.04	6,417.00	6,392.48	234.79	28.40	44.10	399.86	376.43	7,891.62	7,820.39	71.23	110.791	
15,300.00	7,057.60	6,417.00	6,392.48	237.61	28.40	44.10	399.86	376.43	7,990.70	7,919.40	71.29	112.083	
15,400.00	7,056.15	6,417.00	6,392.48	240.42	28.40	44.10	399.86	376.43	8,089.80	8,018.44	71.36	113.372	
15,500.00	7,054.71	6,417.00	6,392.48	243.24	28.40	44.10	399.86	376.43	8,188.92	8,117.50	71.42	114.658	
15,600.00	7,053.27	6,417.00	6,392.48	246.05	28.40	44.10	399.86	376.43	8,288.06	8,216.58	71.49	115.941	
15,687.75	7,052.00	6,417.00	6,392.48	248.53	28.40	44.10	399.86	376.43	8,375.08	8,303.54	71.54	117.064	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	85.68	38.99	516.66	518.18					
100.00	100.00	99.75	99.74	3.28	3.30	85.73	38.46	515.56	517.04	510.45	6.58	78.519		
200.00	200.00	200.84	200.82	3.34	3.38	85.81	37.69	514.28	515.71	509.00	6.71	76.815		
300.00	300.00	303.24	303.21	3.44	3.51	85.87	37.03	512.53	513.96	507.01	6.96	73.888		
400.00	399.98	403.52	403.46	3.60	3.69	-27.87	36.53	510.49	510.36	503.07	7.29	70.017		
500.00	499.84	510.29	510.19	3.79	3.93	-28.19	35.91	507.69	503.09	495.36	7.73	65.106		
600.00	599.45	614.45	614.27	4.03	4.20	-28.78	35.34	503.61	491.49	483.25	8.24	59.664		
700.00	698.70	707.73	707.49	4.30	4.47	-29.54	34.66	500.19	477.12	468.35	8.77	54.393		
800.00	797.47	807.49	807.18	4.61	4.79	-30.66	34.08	496.64	459.98	450.59	9.38	49.016		
900.00	895.62	898.93	898.58	4.96	5.09	-31.98	33.31	494.07	440.73	430.72	10.01	44.020		
1,000.00	993.06	995.25	994.87	5.34	5.42	-33.71	32.27	492.18	419.61	408.91	10.70	39.213		
1,100.00	1,089.64	1,096.38	1,095.96	5.75	5.78	-35.99	30.58	489.66	395.43	383.99	11.45	34.549		
1,110.48	1,099.71	1,106.83	1,106.40	5.80	5.82	-36.26	30.36	489.34	392.70	381.17	11.53	34.061		
1,200.00	1,185.67	1,194.94	1,194.43	6.20	6.15	-38.37	28.27	486.22	369.04	356.83	12.21	30.218		
1,300.00	1,281.70	1,290.40	1,289.79	6.67	6.52	-40.96	25.73	482.61	342.92	329.92	13.00	26.384		
1,400.00	1,377.72	1,385.04	1,384.32	7.16	6.89	-43.89	23.06	479.12	317.62	303.81	13.81	22.996		
1,500.00	1,473.75	1,478.03	1,477.24	7.66	7.26	-47.23	20.59	476.11	293.72	279.06	14.66	20.042		
1,600.00	1,569.77	1,570.63	1,569.79	8.17	7.62	-51.15	18.77	473.77	271.94	256.40	15.53	17.508		
1,700.00	1,665.80	1,671.17	1,670.27	8.69	8.03	-56.20	17.13	470.79	251.53	235.08	16.45	15.290		
1,800.00	1,761.82	1,771.72	1,770.65	9.22	8.45	-61.93	13.52	466.35	230.99	213.60	17.39	13.283		
1,900.00	1,857.85	1,873.71	1,872.24	9.76	8.88	-68.24	6.32	461.08	210.15	191.82	18.33	11.463		
2,000.00	1,953.87	1,965.43	1,963.55	10.30	9.28	-74.70	-1.31	456.77	191.41	172.08	19.33	9.904		
2,100.00	2,049.90	2,059.44	2,057.20	10.84	9.68	-82.19	-8.76	453.73	176.98	156.66	20.32	8.710		
2,200.00	2,145.92	2,161.11	2,158.35	11.39	10.12	-91.76	-17.83	448.98	164.94	143.67	21.27	7.754		
2,300.00	2,241.94	2,253.44	2,250.16	11.95	10.54	-101.64	-26.28	444.06	157.45	135.22	22.23	7.083		
2,371.02	2,310.15	2,320.85	2,317.26	12.34	10.84	-108.91	-32.21	441.38	155.98	133.12	22.86	6.824		
2,400.00	2,337.97	2,348.44	2,344.73	12.50	10.96	-111.80	-34.62	440.55	156.21	133.11	23.10	6.762		
2,500.00	2,433.99	2,443.81	2,439.74	13.06	11.38	-121.28	-42.68	438.60	160.51	136.60	23.91	6.714		
2,600.00	2,530.02	2,538.50	2,534.02	13.63	11.80	-130.54	-50.56	434.96	169.90	145.24	24.66	6.890		
2,700.00	2,626.04	2,634.23	2,629.29	14.19	12.24	-139.13	-58.66	430.18	183.94	158.54	25.40	7.241		
2,800.00	2,722.07	2,729.78	2,724.38	14.76	12.67	-146.36	-66.81	425.68	201.45	175.29	26.16	7.701		
2,900.00	2,818.09	2,825.94	2,820.13	15.32	13.11	-152.31	-74.83	421.74	221.49	194.55	26.95	8.220		
3,000.00	2,914.12	2,922.78	2,916.63	15.89	13.55	-157.01	-82.51	419.07	242.89	215.13	27.77	8.747		
3,100.00	3,010.14	3,015.94	3,009.35	16.46	13.98	-161.09	-90.54	415.27	266.12	237.56	28.57	9.316		
3,200.00	3,106.17	3,110.59	3,103.58	17.03	14.41	-164.58	-98.50	411.25	290.77	261.37	29.40	9.889		
3,298.02	3,200.29	3,193.17	3,185.86	17.59	14.79	-167.04	-103.81	406.72	317.80	287.72	30.08	10.566		
3,300.00	3,202.19	3,195.06	3,187.75	17.60	14.80	-167.10	-103.91	406.60	318.39	288.29	30.10	10.579		
3,400.00	3,298.70	3,291.38	3,283.76	18.16	15.24	-169.43	-108.57	400.62	346.29	315.32	30.97	11.180		
3,500.00	3,396.07	3,388.95	3,381.11	18.68	15.68	-171.16	-112.56	395.40	370.97	339.11	31.86	11.645		
3,600.00	3,494.17	3,489.64	3,481.56	19.18	16.14	-172.67	-117.40	390.47	391.77	359.00	32.77	11.953		
3,700.00	3,592.88	3,583.89	3,575.63	19.64	16.56	-173.79	-121.37	386.01	409.53	375.95	33.58	12.195		
3,800.00	3,692.10	3,678.13	3,669.54	20.08	16.99	-174.98	-126.21	379.92	425.07	390.69	34.38	12.364		
3,900.00	3,791.69	3,777.93	3,768.85	20.49	17.46	-176.32	-132.63	372.45	437.65	402.38	35.26	12.411		
4,000.00	3,891.53	3,877.00	3,867.39	20.88	17.93	-177.60	-139.44	364.88	446.91	410.79	36.12	12.372		
4,108.50	4,000.00	3,985.81	3,975.64	21.27	18.45	-65.27	-146.96	356.76	453.09	416.04	37.05	12.229		
4,200.00	4,091.50	4,079.49	4,068.88	21.58	18.89	-66.33	-153.17	350.07	456.58	418.73	37.85	12.063		
4,300.00	4,191.50	4,184.56	4,173.39	21.92	19.39	-67.64	-161.65	343.36	459.31	420.54	38.77	11.848		
4,400.00	4,291.50	4,284.34	4,272.72	22.27	19.87	-68.78	-169.26	337.73	461.73	422.12	39.61	11.658		
4,500.00	4,391.50	4,386.94	4,375.00	22.62	20.34	-69.72	-175.44	332.65	464.23	423.75	40.48	11.468		
4,600.00	4,491.50	4,488.11	4,475.87	22.97	20.81	-70.66	-182.08	328.39	465.98	424.64	41.34	11.273		
4,700.00	4,591.50	4,604.79	4,592.30	23.33	21.33	-71.57	-188.78	325.25	466.76	424.39	42.37	11.016		
4,800.00	4,691.50	4,701.94	4,689.38	23.69	21.73	-71.90	-191.90	325.93	465.10	421.97	43.13	10.783		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,800.13	4,787.57	24.05	22.09	-71.81	-191.41	326.92	464.29	420.42	43.87	10.583		
4,974.26	4,865.76	4,871.33	4,858.76	24.32	22.36	-71.70	-190.63	327.44	464.03	419.63	44.40	10.451		
5,000.00	4,891.50	4,895.94	4,883.36	24.42	22.45	-71.66	-190.30	327.52	464.06	419.48	44.58	10.409		
5,100.00	4,991.50	4,991.66	4,979.08	24.78	22.81	-71.50	-188.90	327.27	464.77	419.47	45.30	10.260		
5,200.00	5,091.50	5,088.63	5,076.03	25.15	23.19	-71.37	-187.40	326.24	466.27	420.23	46.04	10.127		
5,300.00	5,191.50	5,186.33	5,173.71	25.53	23.58	-71.26	-185.93	324.61	468.34	421.53	46.80	10.007		
5,400.00	5,291.50	5,301.71	5,289.07	25.90	24.05	-71.27	-185.89	324.23	468.60	420.82	47.78	9.807		
5,490.29	5,381.79	5,387.43	5,374.79	26.24	24.40	-71.31	-186.31	324.53	468.17	419.71	48.46	9.661		
5,500.00	5,391.50	5,396.72	5,384.08	26.28	24.43	-71.31	-186.31	324.52	468.17	419.64	48.53	9.647		
5,600.00	5,491.50	5,492.79	5,480.15	26.65	24.82	-71.27	-185.82	324.14	468.71	419.43	49.29	9.510		
5,700.00	5,591.50	5,590.26	5,577.61	27.03	25.23	-71.37	-186.27	322.75	469.91	419.84	50.07	9.385		
5,800.00	5,691.50	5,687.30	5,674.63	27.41	25.64	-71.46	-186.41	320.92	471.66	420.81	50.85	9.275		
5,900.00	5,791.50	5,785.69	5,772.99	27.80	26.05	-71.44	-185.45	318.68	474.12	422.47	51.65	9.180		
6,000.00	5,891.50	5,892.17	5,879.45	28.18	26.50	-71.52	-185.49	316.65	475.92	423.37	52.55	9.057		
6,100.00	5,991.50	5,992.46	5,979.72	28.57	26.90	-71.36	-184.08	316.47	476.53	423.18	53.36	8.931		
6,200.00	6,091.50	6,091.49	6,078.73	28.96	27.29	-71.16	-181.97	315.61	478.04	423.89	54.15	8.829		
6,300.00	6,191.50	6,189.16	6,176.40	29.35	27.69	-71.10	-181.21	314.85	479.04	424.11	54.93	8.721		
6,400.00	6,291.50	6,291.17	6,278.37	29.74	28.11	-70.95	-179.29	313.27	481.13	425.36	55.77	8.627		
6,500.00	6,391.50	6,389.17	6,376.36	30.13	28.50	-70.84	-178.11	312.69	482.09	425.54	56.55	8.525		
6,600.00	6,491.50	6,563.59	6,550.49	30.52	29.18	-70.44	-176.65	318.41	481.65	424.02	57.63	8.358		
6,639.95	6,531.45	6,736.73	6,715.00	30.68	29.76	-69.35	-186.06	369.13	466.90	411.98	54.92	8.502		
6,650.00	6,541.50	6,746.25	6,723.67	30.72	29.79	22.76	-186.74	373.02	462.73	407.76	54.97	8.418		
6,700.00	6,591.41	6,792.32	6,765.50	30.90	29.93	24.45	-189.57	392.10	439.94	384.70	55.24	7.964		
6,750.00	6,640.95	6,842.75	6,810.97	31.09	30.07	27.13	-191.80	413.79	413.71	358.50	55.21	7.493		
6,800.00	6,689.82	6,890.57	6,853.43	31.29	30.21	31.09	-193.03	435.76	383.83	328.71	55.13	6.963		
6,850.00	6,737.71	7,002.22	6,943.83	31.49	30.51	45.99	-192.85	500.64	347.32	297.17	50.16	6.925		
6,900.00	6,784.33	7,025.14	6,960.55	31.70	30.58	55.17	-192.39	516.29	307.45	256.35	51.11	6.016		
6,950.00	6,829.39	7,043.72	6,974.05	31.92	30.64	65.11	-191.94	529.06	267.88	215.39	52.49	5.103		
7,000.00	6,872.61	7,058.01	6,984.38	32.15	30.69	74.56	-191.56	538.92	230.02	175.52	54.49	4.221		
7,050.00	6,913.73	7,068.08	6,991.63	32.41	30.73	82.23	-191.26	545.90	196.02	138.76	57.26	3.424		
7,100.00	6,952.49	7,074.02	6,995.91	32.68	30.75	87.29	-191.08	550.03	169.23	108.69	60.54	2.795		
7,150.00	6,988.66	7,075.98	6,997.31	32.98	30.76	89.47	-191.02	551.38	154.14	91.05	63.09	2.443		
7,174.01	7,005.04	7,075.54	6,997.00	33.14	30.76	89.47	-191.03	551.08	152.26	88.79	63.47	2.399 CC, ES, SF		
7,200.00	7,022.01	7,074.08	6,995.95	33.31	30.75	88.73	-191.08	550.07	154.45	91.37	63.08	2.448		
7,250.00	7,052.33	7,068.50	6,991.94	33.67	30.73	85.17	-191.25	546.19	169.96	109.36	60.60	2.805		
7,300.00	7,079.44	7,059.41	6,985.39	34.07	30.70	79.03	-191.52	539.90	196.71	139.22	57.49	3.422		
7,350.00	7,103.17	7,047.00	6,976.42	34.51	30.65	70.89	-191.86	531.32	230.25	175.31	54.94	4.191		
7,400.00	7,123.38	7,031.44	6,965.13	34.98	30.60	61.70	-192.25	520.61	267.38	214.23	53.16	5.030		
7,450.00	7,139.94	7,012.92	6,951.65	35.50	30.54	52.61	-192.65	507.94	306.09	254.10	51.99	5.887		
7,500.00	7,152.75	6,994.00	6,937.80	36.05	30.49	44.85	-193.00	495.05	345.11	293.62	51.50	6.702		
7,550.00	7,161.73	6,994.00	6,937.80	36.64	30.49	40.91	-193.00	495.05	384.60	331.48	53.12	7.240		
7,600.00	7,166.82	6,965.23	6,915.97	37.26	30.41	34.23	-193.35	476.31	422.66	370.12	52.54	8.045		
7,649.14	7,168.00	6,951.59	6,905.15	37.89	30.37	30.32	-193.42	468.02	460.06	406.72	53.34	8.625		
7,700.00	7,167.27	6,938.08	6,894.14	38.57	30.34	29.34	-193.43	460.19	499.11	444.94	54.17	9.214		
7,800.00	7,165.83	6,899.00	6,860.84	40.04	30.23	26.77	-193.15	439.77	579.97	525.18	54.79	10.585		
7,900.00	7,164.38	6,899.00	6,860.84	41.66	30.23	26.77	-193.15	439.77	663.43	606.58	56.85	11.669		
8,000.00	7,162.94	6,861.58	6,827.77	43.40	30.13	24.67	-192.39	422.28	749.49	692.44	57.05	13.137		
8,100.00	7,161.50	6,832.60	6,801.88	45.26	30.04	23.30	-191.43	409.31	837.00	779.55	57.45	14.568		
8,200.00	7,160.05	6,804.00	6,776.08	47.21	29.96	22.12	-190.17	397.01	925.69	867.90	57.78	16.020		
8,300.00	7,158.61	6,772.52	6,747.54	49.26	29.87	21.01	-188.44	383.85	1,015.20	957.21	57.99	17.508		
8,400.00	7,157.17	6,739.81	6,717.81	51.38	29.77	20.02	-186.28	370.39	1,105.23	1,047.10	58.13	19.012		
8,500.00	7,155.73	6,708.00	6,688.82	53.57	29.67	19.21	-183.83	357.51	1,195.72	1,137.44	58.28	20.517		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,600.00	7,154.28	6,708.00	6,688.82	55.82	29.67	19.21	-183.83	357.51	1,287.11	1,228.21	58.90	21.853		
8,700.00	7,152.84	6,708.00	6,688.82	58.12	29.67	19.21	-183.83	357.51	1,379.69	1,320.30	59.39	23.230		
8,800.00	7,151.40	6,674.79	6,658.11	60.47	29.56	18.42	-181.35	345.15	1,471.85	1,412.44	59.41	24.774		
8,900.00	7,149.95	6,665.72	6,649.57	62.86	29.53	18.21	-180.76	342.12	1,565.37	1,505.68	59.69	26.225		
9,000.00	7,148.51	6,657.44	6,641.74	65.28	29.51	18.01	-180.25	339.48	1,659.46	1,599.53	59.94	27.687		
9,100.00	7,147.07	6,649.86	6,634.54	67.74	29.48	17.83	-179.82	337.18	1,754.07	1,693.92	60.15	29.160		
9,200.00	7,145.62	6,613.00	6,599.02	70.23	29.36	16.97	-178.09	327.49	1,850.19	1,790.09	60.10	30.786		
9,300.00	7,144.18	6,613.00	6,599.02	72.74	29.36	16.97	-178.09	327.49	1,945.22	1,884.88	60.34	32.236		
9,400.00	7,142.74	6,613.00	6,599.02	75.28	29.36	16.97	-178.09	327.49	2,040.73	1,980.17	60.55	33.701		
9,500.00	7,141.29	6,613.00	6,599.02	77.84	29.36	16.97	-178.09	327.49	2,136.64	2,075.90	60.74	35.177		
9,600.00	7,139.85	6,613.00	6,599.02	80.42	29.36	16.97	-178.09	327.49	2,232.91	2,172.01	60.90	36.663		
9,700.00	7,138.41	6,613.00	6,599.02	83.01	29.36	16.97	-178.09	327.49	2,329.50	2,268.45	61.05	38.158		
9,800.00	7,136.97	6,613.00	6,599.02	85.62	29.36	16.97	-178.09	327.49	2,426.37	2,365.19	61.18	39.660		
9,900.00	7,135.52	6,613.00	6,599.02	88.25	29.36	16.97	-178.09	327.49	2,523.48	2,462.18	61.30	41.167		
10,000.00	7,134.08	6,613.00	6,599.02	90.89	29.36	16.97	-178.09	327.49	2,620.80	2,559.40	61.41	42.680		
10,100.00	7,132.64	6,613.00	6,599.02	93.54	29.36	16.97	-178.09	327.49	2,718.32	2,656.82	61.51	44.196		
10,200.00	7,131.19	6,613.00	6,599.02	96.20	29.36	16.97	-178.09	327.49	2,816.02	2,754.42	61.60	45.716		
10,300.00	7,129.75	6,613.00	6,599.02	98.87	29.36	16.97	-178.09	327.49	2,913.87	2,852.18	61.68	47.238		
10,400.00	7,128.31	6,613.00	6,599.02	101.55	29.36	16.97	-178.09	327.49	3,011.86	2,950.09	61.77	48.762		
10,500.00	7,126.86	6,613.00	6,599.02	104.24	29.36	16.97	-178.09	327.49	3,109.98	3,048.14	61.84	50.288		
10,600.00	7,125.42	6,613.00	6,599.02	106.94	29.36	16.97	-178.09	327.49	3,208.22	3,146.30	61.92	51.815		
10,700.00	7,123.98	6,613.00	6,599.02	109.64	29.36	16.97	-178.09	327.49	3,306.56	3,244.57	61.99	53.343		
10,800.00	7,122.53	6,613.00	6,599.02	112.36	29.36	16.97	-178.09	327.49	3,405.00	3,342.94	62.05	54.871		
10,900.00	7,121.09	6,613.00	6,599.02	115.08	29.36	16.97	-178.09	327.49	3,503.52	3,441.40	62.12	56.399		
11,000.00	7,119.65	6,613.00	6,599.02	117.80	29.36	16.97	-178.09	327.49	3,602.13	3,539.95	62.18	57.927		
11,100.00	7,118.20	6,570.91	6,557.73	120.53	29.21	16.01	-176.81	319.48	3,698.96	3,636.81	62.15	59.519		
11,200.00	7,116.76	6,568.82	6,555.67	123.26	29.20	15.97	-176.76	319.16	3,797.53	3,735.32	62.21	61.045		
11,300.00	7,115.32	6,566.83	6,553.70	126.00	29.19	15.92	-176.72	318.87	3,896.16	3,833.89	62.27	62.571		
11,400.00	7,113.88	6,564.93	6,551.82	128.75	29.18	15.88	-176.68	318.60	3,994.86	3,932.53	62.33	64.095		
11,500.00	7,112.43	6,563.11	6,550.02	131.50	29.18	15.84	-176.65	318.35	4,093.61	4,031.22	62.39	65.617		
11,600.00	7,110.99	6,561.36	6,548.29	134.25	29.17	15.80	-176.61	318.11	4,192.41	4,129.97	62.44	67.138		
11,700.00	7,109.55	6,559.69	6,546.63	137.01	29.16	15.76	-176.58	317.89	4,291.26	4,228.76	62.50	68.657		
11,800.00	7,108.10	6,518.00	6,505.13	139.77	29.01	14.86	-176.15	314.03	4,391.82	4,329.33	62.48	70.288		
11,900.00	7,106.66	6,518.00	6,505.13	142.53	29.01	14.86	-176.15	314.03	4,490.63	4,428.08	62.55	71.797		
12,000.00	7,105.22	6,518.00	6,505.13	145.30	29.01	14.86	-176.15	314.03	4,589.50	4,526.89	62.61	73.303		
12,100.00	7,103.77	6,518.00	6,505.13	148.06	29.01	14.86	-176.15	314.03	4,688.41	4,625.74	62.67	74.808		
12,200.00	7,102.33	6,518.00	6,505.13	150.84	29.01	14.86	-176.15	314.03	4,787.37	4,724.64	62.74	76.310		
12,300.00	7,100.89	6,518.00	6,505.13	153.61	29.01	14.86	-176.15	314.03	4,886.38	4,823.58	62.80	77.810		
12,400.00	7,099.44	6,518.00	6,505.13	156.39	29.01	14.86	-176.15	314.03	4,985.42	4,922.56	62.86	79.308		
12,500.00	7,098.00	6,518.00	6,505.13	159.17	29.01	14.86	-176.15	314.03	5,084.50	5,021.57	62.92	80.803		
12,600.00	7,096.56	6,518.00	6,505.13	161.95	29.01	14.86	-176.15	314.03	5,183.61	5,120.62	62.99	82.295		
12,700.00	7,095.12	6,518.00	6,505.13	164.73	29.01	14.86	-176.15	314.03	5,282.76	5,219.71	63.05	83.785		
12,800.00	7,093.67	6,518.00	6,505.13	167.52	29.01	14.86	-176.15	314.03	5,381.94	5,318.83	63.12	85.272		
12,900.00	7,092.23	6,518.00	6,505.13	170.31	29.01	14.86	-176.15	314.03	5,481.15	5,417.97	63.18	86.756		
13,000.00	7,090.79	6,518.00	6,505.13	173.09	29.01	14.86	-176.15	314.03	5,580.39	5,517.15	63.24	88.236		
13,100.00	7,089.34	6,518.00	6,505.13	175.89	29.01	14.86	-176.15	314.03	5,679.65	5,616.35	63.31	89.714		
13,200.00	7,087.90	6,518.00	6,505.13	178.68	29.01	14.86	-176.15	314.03	5,778.94	5,715.57	63.37	91.188		
13,300.00	7,086.46	6,518.00	6,505.13	181.47	29.01	14.86	-176.15	314.03	5,878.26	5,814.82	63.44	92.659		
13,400.00	7,085.01	6,518.00	6,505.13	184.27	29.01	14.86	-176.15	314.03	5,977.59	5,914.09	63.51	94.127		
13,500.00	7,083.57	6,518.00	6,505.13	187.07	29.01	14.86	-176.15	314.03	6,076.95	6,013.38	63.57	95.591		
13,600.00	7,082.13	6,518.00	6,505.13	189.86	29.01	14.86	-176.15	314.03	6,176.33	6,112.69	63.64	97.051		
13,700.00	7,080.68	6,518.00	6,505.13	192.66	29.01	14.86	-176.15	314.03	6,275.73	6,212.02	63.71	98.508		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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-MWVD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,800.00	7,079.24	6,518.00	6,505.13	195.47	29.01	14.86	-176.15	314.03	6,375.15	6,311.37	63.78	99.961	
13,900.00	7,077.80	6,518.00	6,505.13	198.27	29.01	14.86	-176.15	314.03	6,474.59	6,410.74	63.85	101.410	
14,000.00	7,076.36	6,518.00	6,505.13	201.07	29.01	14.86	-176.15	314.03	6,574.04	6,510.12	63.92	102.855	
14,100.00	7,074.91	6,518.00	6,505.13	203.88	29.01	14.86	-176.15	314.03	6,673.51	6,609.52	63.99	104.297	
14,200.00	7,073.47	6,518.00	6,505.13	206.68	29.01	14.86	-176.15	314.03	6,772.99	6,708.94	64.06	105.734	
14,300.00	7,072.03	6,518.00	6,505.13	209.49	29.01	14.86	-176.15	314.03	6,872.49	6,808.37	64.13	107.168	
14,400.00	7,070.58	6,518.00	6,505.13	212.30	29.01	14.86	-176.15	314.03	6,972.01	6,907.81	64.20	108.597	
14,500.00	7,069.14	6,518.00	6,505.13	215.11	29.01	14.86	-176.15	314.03	7,071.54	7,007.26	64.27	110.022	
14,600.00	7,067.70	6,518.00	6,505.13	217.92	29.01	14.86	-176.15	314.03	7,171.08	7,106.73	64.35	111.443	
14,700.00	7,066.25	6,518.00	6,505.13	220.73	29.01	14.86	-176.15	314.03	7,270.63	7,206.21	64.42	112.859	
14,800.00	7,064.81	6,518.00	6,505.13	223.54	29.01	14.86	-176.15	314.03	7,370.20	7,305.70	64.50	114.272	
14,900.00	7,063.37	6,518.00	6,505.13	226.35	29.01	14.86	-176.15	314.03	7,469.77	7,405.20	64.57	115.680	
15,000.00	7,061.92	6,518.00	6,505.13	229.16	29.01	14.86	-176.15	314.03	7,569.36	7,504.71	64.65	117.083	
15,100.00	7,060.48	6,518.00	6,505.13	231.98	29.01	14.86	-176.15	314.03	7,668.96	7,604.23	64.73	118.483	
15,200.00	7,059.04	6,518.00	6,505.13	234.79	29.01	14.86	-176.15	314.03	7,768.57	7,703.77	64.80	119.877	
15,300.00	7,057.60	6,518.00	6,505.13	237.61	29.01	14.86	-176.15	314.03	7,868.19	7,803.31	64.88	121.268	
15,400.00	7,056.15	6,518.00	6,505.13	240.42	29.01	14.86	-176.15	314.03	7,967.82	7,902.86	64.96	122.653	
15,500.00	7,054.71	6,518.00	6,505.13	243.24	29.01	14.86	-176.15	314.03	8,067.46	8,002.42	65.04	124.034	
15,600.00	7,053.27	6,518.00	6,505.13	246.05	29.01	14.86	-176.15	314.03	8,167.10	8,101.98	65.12	125.411	
15,687.75	7,052.00	6,518.00	6,505.13	248.53	29.01	14.86	-176.15	314.03	8,254.56	8,189.36	65.19	126.615	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	97.00	97.00	3.28	3.30	87.37	23.66	514.76	515.32	508.74	6.58	78.284		
200.00	200.00	199.55	199.54	3.34	3.37	87.49	22.56	513.81	514.35	507.64	6.71	76.628		
300.00	300.00	303.59	303.55	3.44	3.51	87.63	21.24	512.15	512.70	505.75	6.96	73.688		
400.00	399.98	406.42	406.34	3.60	3.70	-26.02	20.00	509.76	508.76	501.46	7.30	69.708		
500.00	499.84	510.76	510.64	3.79	3.93	-26.29	19.24	506.61	501.01	493.28	7.73	64.811		
600.00	599.45	605.16	604.99	4.03	4.18	-26.74	18.48	503.68	490.09	481.88	8.21	59.730		
700.00	698.70	700.73	700.53	4.30	4.45	-27.36	17.19	501.66	477.05	468.30	8.75	54.536		
800.00	797.47	795.67	795.44	4.61	4.74	-28.15	15.39	500.38	461.71	452.37	9.34	49.431		
900.00	895.62	887.77	887.51	4.96	5.04	-29.09	12.96	500.17	444.46	434.50	9.97	44.591		
1,000.00	993.06	984.62	984.30	5.34	5.36	-30.28	9.66	500.87	425.19	414.54	10.65	39.922		
1,100.00	1,089.64	1,084.51	1,084.12	5.75	5.71	-31.88	5.91	501.36	402.88	391.49	11.39	35.386		
1,110.48	1,099.71	1,095.66	1,095.26	5.80	5.75	-32.08	5.44	501.36	400.33	388.86	11.47	34.899		
1,200.00	1,185.67	1,191.95	1,191.46	6.20	6.10	-33.75	1.51	499.96	377.33	365.16	12.18	30.987		
1,300.00	1,281.70	1,268.66	1,268.11	6.67	6.38	-35.29	-1.08	500.30	353.76	340.87	12.90	27.433		
1,400.00	1,377.72	1,376.32	1,375.69	7.16	6.79	-37.76	-4.18	502.68	332.68	318.95	13.73	24.232		
1,500.00	1,473.75	1,486.19	1,485.41	7.66	7.22	-40.71	-8.69	499.24	306.69	292.11	14.58	21.029		
1,600.00	1,569.77	1,589.09	1,587.97	8.17	7.64	-44.16	-13.44	492.51	278.20	262.76	15.43	18.024		
1,700.00	1,665.80	1,690.58	1,688.87	8.69	8.06	-48.31	-19.43	483.28	248.00	231.71	16.29	15.222		
1,800.00	1,761.82	1,783.25	1,780.83	9.22	8.47	-52.64	-26.97	474.77	218.10	200.90	17.20	12.680		
1,900.00	1,857.85	1,878.42	1,875.13	9.76	8.90	-57.67	-37.00	466.80	189.24	171.11	18.13	10.438		
2,000.00	1,953.87	1,971.89	1,967.54	10.30	9.33	-62.97	-49.77	461.00	162.03	142.93	19.10	8.483		
2,100.00	2,049.90	2,064.34	2,058.96	10.84	9.76	-69.31	-63.01	457.38	137.86	117.74	20.12	6.852		
2,200.00	2,145.92	2,157.84	2,151.62	11.39	10.19	-77.79	-75.30	455.38	118.11	96.96	21.16	5.583		
2,300.00	2,241.94	2,253.01	2,246.15	11.95	10.62	-89.72	-86.17	453.23	103.57	81.40	22.17	4.672		
2,400.00	2,337.97	2,349.32	2,341.85	12.50	11.07	-104.98	-96.57	450.40	95.56	72.47	23.09	4.138		
2,449.99	2,385.97	2,397.32	2,389.51	12.78	11.29	-113.57	-101.86	448.35	94.44	70.93	23.50	4.018		
2,500.00	2,433.99	2,444.78	2,436.59	13.06	11.52	-122.52	-107.13	445.49	95.70	71.82	23.88	4.008		
2,600.00	2,530.02	2,539.05	2,530.06	13.63	11.97	-139.19	-117.45	438.88	105.96	81.41	24.55	4.317		
2,700.00	2,626.04	2,633.66	2,623.66	14.19	12.44	-153.06	-128.67	430.84	124.25	99.02	25.23	4.924		
2,800.00	2,722.07	2,728.00	2,716.83	14.76	12.91	-163.54	-140.67	422.22	148.00	122.00	26.00	5.692		
2,900.00	2,818.09	2,822.61	2,810.41	15.32	13.38	-170.81	-152.11	414.25	175.03	148.18	26.85	6.519		
3,000.00	2,914.12	2,919.43	2,906.41	15.89	13.86	-175.76	-162.82	407.65	203.14	175.36	27.78	7.313		
3,100.00	3,010.14	3,015.47	3,001.80	16.46	14.33	-179.15	-172.64	402.42	231.42	202.71	28.70	8.062		
3,200.00	3,106.17	3,109.20	3,094.92	17.03	14.78	-178.31	-181.97	397.24	260.44	230.84	29.59	8.800		
3,298.02	3,200.29	3,202.15	3,187.13	17.59	15.24	-176.07	-192.17	391.52	289.50	259.00	30.50	9.491		
3,300.00	3,202.19	3,204.00	3,188.96	17.60	15.25	-176.02	-192.38	391.40	290.09	259.57	30.52	9.504		
3,400.00	3,298.70	3,297.70	3,281.75	18.16	15.72	-173.97	-203.75	384.92	318.72	287.29	31.43	10.141		
3,500.00	3,396.07	3,394.45	3,377.60	18.68	16.21	-172.23	-214.97	378.16	344.58	312.21	32.38	10.643		
3,600.00	3,494.17	3,496.45	3,478.99	19.18	16.70	-170.99	-224.62	372.66	366.38	333.00	33.38	10.976		
3,700.00	3,592.88	3,595.69	3,577.73	19.64	17.18	-169.94	-233.56	368.15	384.26	349.95	34.31	11.199		
3,800.00	3,692.10	3,694.76	3,676.07	20.08	17.67	-168.59	-244.58	363.50	398.60	363.36	35.24	11.310		
3,900.00	3,791.69	3,792.47	3,772.53	20.49	18.18	-166.73	-259.03	357.91	410.11	373.94	36.17	11.339		
4,000.00	3,891.53	3,892.57	3,871.06	20.88	18.72	-164.54	-275.74	352.15	418.48	381.35	37.13	11.270		
4,108.50	4,000.00	4,001.73	3,978.51	21.27	19.31	-84.27	-294.01	346.17	424.20	386.04	38.16	11.117		
4,200.00	4,091.50	4,095.76	4,071.40	21.58	19.80	-86.19	-307.98	342.00	427.14	388.12	39.02	10.946		
4,300.00	4,191.50	4,198.40	4,173.19	21.92	20.32	-87.91	-320.69	338.43	430.00	390.05	39.95	10.764		
4,400.00	4,291.50	4,297.65	4,271.75	22.27	20.81	-89.43	-332.03	335.57	432.64	391.83	40.81	10.601		
4,500.00	4,391.50	4,389.33	4,362.75	22.62	21.27	-90.82	-342.62	332.20	436.39	394.83	41.56	10.500		
4,600.00	4,491.50	4,484.85	4,457.44	22.97	21.75	-92.29	-353.99	326.90	442.28	399.91	42.37	10.439		
4,700.00	4,591.50	4,581.42	4,553.27	23.33	22.24	-93.61	-364.55	321.33	448.64	405.46	43.19	10.389		
4,800.00	4,691.50	4,682.16	4,653.17	23.69	22.75	-94.99	-375.93	314.96	455.85	411.77	44.08	10.342		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,792.41	4,762.56	24.05	23.31	-96.49	-388.52	309.67	461.81	416.70	45.12	10.236		
5,000.00	4,891.50	4,898.15	4,867.57	24.42	23.83	-97.92	-400.54	306.84	465.92	419.85	46.07	10.114		
5,100.00	4,991.50	4,999.23	4,968.20	24.78	24.31	-99.01	-409.83	304.61	469.46	422.53	46.94	10.002		
5,200.00	5,091.50	5,103.86	5,072.58	25.15	24.79	-99.78	-416.57	302.41	472.61	424.78	47.83	9.881		
5,300.00	5,191.50	5,215.86	5,184.52	25.53	25.25	-100.17	-419.94	302.07	473.36	424.61	48.75	9.710		
5,300.50	5,192.00	5,216.33	5,185.00	25.53	25.26	-100.17	-419.95	302.08	473.36	424.61	48.76	9.709		
5,400.00	5,291.50	5,312.35	5,281.01	25.90	25.64	-100.24	-420.60	301.77	473.79	424.29	49.51	9.570		
5,500.00	5,391.50	5,410.96	5,379.60	26.28	26.00	-100.05	-419.22	300.62	474.69	424.44	50.26	9.446		
5,600.00	5,491.50	5,508.41	5,477.00	26.65	26.35	-99.71	-416.60	298.98	475.89	424.91	50.98	9.335		
5,700.00	5,591.50	5,608.14	5,576.64	27.03	26.71	-99.27	-413.34	296.48	477.83	426.11	51.72	9.238		
5,800.00	5,691.50	5,721.85	5,690.32	27.41	27.12	-98.98	-411.00	295.56	478.33	425.74	52.59	9.095		
5,900.00	5,791.50	5,822.46	5,790.91	27.80	27.48	-98.92	-410.20	297.34	476.46	423.10	53.36	8.929		
5,980.35	5,871.85	5,896.41	5,864.85	28.11	27.76	-98.81	-409.20	297.70	475.91	421.97	53.93	8.824		
6,000.00	5,891.50	5,914.44	5,882.88	28.18	27.83	-98.80	-409.17	297.67	475.94	421.87	54.07	8.802		
6,100.00	5,991.50	6,012.81	5,981.25	28.57	28.21	-98.82	-409.47	296.95	476.71	421.86	54.85	8.691		
6,200.00	6,091.50	6,115.45	6,083.88	28.96	28.61	-98.67	-408.31	296.33	477.13	421.47	55.66	8.572		
6,300.00	6,191.50	6,212.43	6,180.86	29.35	28.98	-98.58	-407.55	295.91	477.44	421.02	56.42	8.463		
6,400.00	6,291.50	6,316.79	6,285.18	29.74	29.36	-98.29	-405.25	295.04	477.95	420.73	57.23	8.352		
6,500.00	6,391.50	6,430.38	6,398.73	30.13	29.77	-98.01	-402.70	296.19	476.66	418.58	58.08	8.207		
6,600.00	6,491.50	6,710.19	6,671.39	30.52	30.69	-98.42	-398.31	349.61	462.40	406.99	55.41	8.345		
6,639.95	6,531.45	6,781.06	6,734.57	30.68	30.88	-99.65	-402.09	381.44	444.86	390.84	54.02	8.235		
6,650.00	6,541.50	6,797.85	6,749.13	30.72	30.92	-8.25	-403.26	389.73	439.97	386.32	53.65	8.201		
6,700.00	6,591.41	6,873.27	6,812.65	30.90	31.10	-10.85	-407.51	430.10	411.60	359.80	51.80	7.945		
6,750.00	6,640.95	6,948.04	6,872.18	31.09	31.25	-14.74	-409.03	475.27	377.12	328.15	48.97	7.701		
6,800.00	6,689.82	7,008.31	6,916.42	31.29	31.37	-21.12	-409.65	516.18	337.02	290.90	46.12	7.308		
6,850.00	6,737.71	7,044.51	6,941.38	31.49	31.42	-29.89	-409.67	542.38	293.59	248.74	44.85	6.546		
6,900.00	6,784.33	7,070.77	6,958.73	31.70	31.46	-43.15	-409.51	562.09	248.18	204.12	44.06	5.633		
6,950.00	6,829.39	7,087.80	6,969.63	31.92	31.49	-60.28	-409.32	575.18	201.95	157.87	44.08	4.582		
7,000.00	6,872.61	7,097.50	6,975.72	32.15	31.50	-76.84	-409.18	582.73	156.20	110.85	45.35	3.445		
7,050.00	6,913.73	7,101.34	6,978.10	32.41	31.51	-87.69	-409.12	585.74	113.16	64.11	49.05	2.307		
7,100.00	6,952.49	7,100.47	6,977.56	32.68	31.51	-91.41	-409.13	585.06	78.58	21.26	57.32	1.371	Level 3	
7,141.56	6,982.75	7,096.80	6,975.28	32.93	31.50	-89.43	-409.19	582.18	66.80	3.25	63.55	1.051	Level 2, CC, ES, SF	
7,150.00	6,988.66	7,095.77	6,974.64	32.98	31.50	-88.51	-409.20	581.38	67.32	3.83	63.50	1.060	Level 2	
7,200.00	7,022.01	7,087.95	6,969.72	33.31	31.49	-79.79	-409.31	575.29	88.25	31.83	56.42	1.564		
7,250.00	7,052.33	7,077.54	6,963.10	33.67	31.47	-66.89	-409.44	567.27	125.56	75.11	50.45	2.489		
7,300.00	7,079.44	7,064.99	6,954.97	34.07	31.45	-52.90	-409.56	557.71	167.97	120.10	47.87	3.509		
7,350.00	7,103.17	7,050.65	6,945.49	34.51	31.43	-40.76	-409.65	546.94	211.75	164.80	46.95	4.510		
7,400.00	7,123.38	7,034.78	6,934.79	34.98	31.40	-31.52	-409.70	535.22	255.51	208.69	46.83	5.457		
7,450.00	7,139.94	7,017.62	6,922.96	35.50	31.38	-24.82	-409.68	522.80	298.63	251.52	47.11	6.339		
7,500.00	7,152.75	6,994.00	6,906.24	36.05	31.34	-19.49	-409.54	506.11	340.81	293.79	47.03	7.247		
7,550.00	7,161.73	6,980.96	6,896.79	36.64	31.32	-16.52	-409.42	497.13	381.67	333.29	48.38	7.888		
7,600.00	7,166.82	6,962.21	6,882.91	37.26	31.28	-13.92	-409.21	484.53	421.27	372.02	49.25	8.553		
7,649.14	7,168.00	6,943.25	6,868.52	37.89	31.24	-11.96	-408.96	472.19	458.79	408.64	50.16	9.147		
7,700.00	7,167.27	6,924.04	6,853.59	38.57	31.21	-11.29	-408.66	460.11	497.38	446.31	51.07	9.738		
7,800.00	7,165.83	6,888.13	6,824.82	40.04	31.14	-10.14	-407.96	438.63	575.88	523.31	52.57	10.954		
7,900.00	7,164.38	6,851.94	6,794.99	41.66	31.05	-9.05	-406.64	418.19	656.93	603.30	53.63	12.250		
8,000.00	7,162.94	6,819.37	6,767.55	43.40	30.97	-8.10	-404.80	400.75	740.02	685.46	54.56	13.563		
8,100.00	7,161.50	6,804.00	6,754.42	45.26	30.94	-7.66	-403.71	392.83	825.08	769.23	55.85	14.773		
8,200.00	7,160.05	6,766.69	6,721.98	47.21	30.84	-6.71	-401.17	374.57	911.38	855.18	56.19	16.219		
8,300.00	7,158.61	6,744.49	6,702.30	49.26	30.78	-6.23	-399.91	364.37	999.27	942.41	56.86	17.575		
8,400.00	7,157.17	6,709.00	6,670.31	51.38	30.68	-5.59	-398.27	349.12	1,088.60	1,031.51	57.09	19.068		
8,500.00	7,155.73	6,709.00	6,670.31	53.57	30.68	-5.59	-398.27	349.12	1,178.48	1,120.50	57.99	20.323		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,600.00	7,154.28	6,709.00	6,670.31	55.82	30.68	-5.59	-398.27	349.12	1,269.88	1,211.19	58.70	21.634		
8,700.00	7,152.84	6,686.02	6,649.14	58.12	30.62	-5.26	-397.59	340.20	1,361.71	1,302.78	58.94	23.105		
8,800.00	7,151.40	6,664.00	6,628.45	60.47	30.55	-5.01	-397.37	332.67	1,454.85	1,395.70	59.15	24.595		
8,900.00	7,149.95	6,664.00	6,628.45	62.86	30.55	-5.01	-397.37	332.67	1,548.21	1,488.61	59.60	25.976		
9,000.00	7,148.51	6,664.00	6,628.45	65.28	30.55	-5.01	-397.37	332.67	1,642.36	1,582.38	59.98	27.384		
9,100.00	7,147.07	6,664.00	6,628.45	67.74	30.55	-5.01	-397.37	332.67	1,737.16	1,676.87	60.29	28.813		
9,200.00	7,145.62	6,643.23	6,608.67	70.23	30.49	-4.81	-397.38	326.36	1,832.07	1,771.68	60.39	30.339		
9,300.00	7,144.18	6,635.45	6,601.21	72.74	30.46	-4.74	-397.38	324.15	1,927.51	1,866.94	60.58	31.820		
9,400.00	7,142.74	6,614.00	6,580.51	75.28	30.39	-4.56	-397.40	318.52	2,023.49	1,962.84	60.65	33.366		
9,500.00	7,141.29	6,614.00	6,580.51	77.84	30.39	-4.56	-397.40	318.52	2,119.42	2,058.56	60.85	34.828		
9,600.00	7,139.85	6,614.00	6,580.51	80.42	30.39	-4.56	-397.40	318.52	2,215.70	2,154.66	61.04	36.300		
9,700.00	7,138.41	6,614.00	6,580.51	83.01	30.39	-4.56	-397.40	318.52	2,312.30	2,251.10	61.20	37.782		
9,800.00	7,136.97	6,614.00	6,580.51	85.62	30.39	-4.56	-397.40	318.52	2,409.18	2,347.83	61.35	39.270		
9,900.00	7,135.52	6,614.00	6,580.51	88.25	30.39	-4.56	-397.40	318.52	2,506.31	2,444.82	61.48	40.765		
10,000.00	7,134.08	6,614.00	6,580.51	90.89	30.39	-4.56	-397.40	318.52	2,603.65	2,542.04	61.60	42.264		
10,100.00	7,132.64	6,614.00	6,580.51	93.54	30.39	-4.56	-397.40	318.52	2,701.18	2,639.47	61.72	43.768		
10,200.00	7,131.19	6,614.00	6,580.51	96.20	30.39	-4.56	-397.40	318.52	2,798.89	2,737.07	61.82	45.276		
10,300.00	7,129.75	6,614.00	6,580.51	98.87	30.39	-4.56	-397.40	318.52	2,896.76	2,834.84	61.92	46.786		
10,400.00	7,128.31	6,614.00	6,580.51	101.55	30.39	-4.56	-397.40	318.52	2,994.77	2,932.76	62.01	48.298		
10,500.00	7,126.86	6,574.10	6,541.57	104.24	30.26	-4.29	-397.80	309.86	3,091.42	3,029.45	61.97	49.886		
10,600.00	7,125.42	6,570.69	6,538.22	106.94	30.25	-4.27	-397.86	309.24	3,189.42	3,127.37	62.05	51.402		
10,700.00	7,123.98	6,567.45	6,535.03	109.64	30.24	-4.25	-397.93	308.66	3,287.51	3,225.39	62.12	52.918		
10,800.00	7,122.53	6,564.37	6,532.00	112.36	30.23	-4.23	-398.00	308.12	3,385.70	3,323.50	62.20	54.434		
10,900.00	7,121.09	6,561.43	6,529.10	115.08	30.22	-4.22	-398.07	307.62	3,483.98	3,421.71	62.27	55.950		
11,000.00	7,119.65	6,558.63	6,526.34	117.80	30.21	-4.21	-398.15	307.16	3,582.34	3,520.00	62.34	57.464		
11,100.00	7,118.20	6,519.00	6,487.09	120.53	30.08	-4.07	-399.54	301.89	3,682.01	3,619.68	62.33	59.077		
11,200.00	7,116.76	6,519.00	6,487.09	123.26	30.08	-4.07	-399.54	301.89	3,780.34	3,717.94	62.40	60.580		
11,300.00	7,115.32	6,519.00	6,487.09	126.00	30.08	-4.07	-399.54	301.89	3,878.76	3,816.28	62.48	62.082		
11,400.00	7,113.88	6,519.00	6,487.09	128.75	30.08	-4.07	-399.54	301.89	3,977.26	3,914.71	62.55	63.585		
11,500.00	7,112.43	6,519.00	6,487.09	131.50	30.08	-4.07	-399.54	301.89	4,075.83	4,013.21	62.62	65.086		
11,600.00	7,110.99	6,519.00	6,487.09	134.25	30.08	-4.07	-399.54	301.89	4,174.47	4,111.78	62.69	66.586		
11,700.00	7,109.55	6,519.00	6,487.09	137.01	30.08	-4.07	-399.54	301.89	4,273.17	4,210.41	62.76	68.085		
11,800.00	7,108.10	6,519.00	6,487.09	139.77	30.08	-4.07	-399.54	301.89	4,371.93	4,309.10	62.83	69.583		
11,900.00	7,106.66	6,519.00	6,487.09	142.53	30.08	-4.07	-399.54	301.89	4,470.75	4,407.85	62.90	71.079		
12,000.00	7,105.22	6,519.00	6,487.09	145.30	30.08	-4.07	-399.54	301.89	4,569.62	4,506.65	62.97	72.573		
12,100.00	7,103.77	6,519.00	6,487.09	148.06	30.08	-4.07	-399.54	301.89	4,668.54	4,605.50	63.03	74.065		
12,200.00	7,102.33	6,519.00	6,487.09	150.84	30.08	-4.07	-399.54	301.89	4,767.50	4,704.40	63.10	75.555		
12,300.00	7,100.89	6,519.00	6,487.09	153.61	30.08	-4.07	-399.54	301.89	4,866.50	4,803.33	63.17	77.043		
12,400.00	7,099.44	6,519.00	6,487.09	156.39	30.08	-4.07	-399.54	301.89	4,965.54	4,902.31	63.23	78.529		
12,500.00	7,098.00	6,519.00	6,487.09	159.17	30.08	-4.07	-399.54	301.89	5,064.63	5,001.33	63.30	80.011		
12,600.00	7,096.56	6,519.00	6,487.09	161.95	30.08	-4.07	-399.54	301.89	5,163.74	5,100.38	63.37	81.492		
12,700.00	7,095.12	6,519.00	6,487.09	164.73	30.08	-4.07	-399.54	301.89	5,262.89	5,199.46	63.43	82.969		
12,800.00	7,093.67	6,519.00	6,487.09	167.52	30.08	-4.07	-399.54	301.89	5,362.08	5,298.58	63.50	84.444		
12,900.00	7,092.23	6,519.00	6,487.09	170.31	30.08	-4.07	-399.54	301.89	5,461.29	5,397.72	63.57	85.916		
13,000.00	7,090.79	6,519.00	6,487.09	173.09	30.08	-4.07	-399.54	301.89	5,560.53	5,496.89	63.63	87.384		
13,100.00	7,089.34	6,519.00	6,487.09	175.89	30.08	-4.07	-399.54	301.89	5,659.79	5,596.09	63.70	88.850		
13,200.00	7,087.90	6,519.00	6,487.09	178.68	30.08	-4.07	-399.54	301.89	5,759.09	5,695.32	63.77	90.312		
13,300.00	7,086.46	6,519.00	6,487.09	181.47	30.08	-4.07	-399.54	301.89	5,858.40	5,794.56	63.84	91.771		
13,400.00	7,085.01	6,519.00	6,487.09	184.27	30.08	-4.07	-399.54	301.89	5,957.74	5,893.84	63.91	93.226		
13,500.00	7,083.57	6,519.00	6,487.09	187.07	30.08	-4.07	-399.54	301.89	6,057.10	5,993.13	63.98	94.678		
13,600.00	7,082.13	6,519.00	6,487.09	189.86	30.08	-4.07	-399.54	301.89	6,156.48	6,092.44	64.05	96.126		
13,700.00	7,080.68	6,519.00	6,487.09	192.66	30.08	-4.07	-399.54	301.89	6,255.88	6,191.77	64.12	97.571		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
13,800.00	7,079.24	6,519.00	6,487.09	195.47	30.08	-4.07	-399.54	301.89	6,355.30	6,291.12	64.19	99.012	
13,900.00	7,077.80	6,519.00	6,487.09	198.27	30.08	-4.07	-399.54	301.89	6,454.74	6,390.48	64.26	100.449	
14,000.00	7,076.36	6,519.00	6,487.09	201.07	30.08	-4.07	-399.54	301.89	6,554.20	6,489.87	64.33	101.882	
14,100.00	7,074.91	6,519.00	6,487.09	203.88	30.08	-4.07	-399.54	301.89	6,653.67	6,589.27	64.40	103.312	
14,200.00	7,073.47	6,519.00	6,487.09	206.68	30.08	-4.07	-399.54	301.89	6,753.16	6,688.68	64.48	104.737	
14,300.00	7,072.03	6,519.00	6,487.09	209.49	30.08	-4.07	-399.54	301.89	6,852.66	6,788.11	64.55	106.158	
14,400.00	7,070.58	6,519.00	6,487.09	212.30	30.08	-4.07	-399.54	301.89	6,952.17	6,887.55	64.63	107.576	
14,500.00	7,069.14	6,519.00	6,487.09	215.11	30.08	-4.07	-399.54	301.89	7,051.70	6,987.00	64.70	108.989	
14,600.00	7,067.70	6,519.00	6,487.09	217.92	30.08	-4.07	-399.54	301.89	7,151.25	7,086.47	64.78	110.398	
14,700.00	7,066.25	6,519.00	6,487.09	220.73	30.08	-4.07	-399.54	301.89	7,250.80	7,185.95	64.85	111.802	
14,800.00	7,064.81	6,519.00	6,487.09	223.54	30.08	-4.07	-399.54	301.89	7,350.37	7,285.44	64.93	113.203	
14,900.00	7,063.37	6,519.00	6,487.09	226.35	30.08	-4.07	-399.54	301.89	7,449.95	7,384.94	65.01	114.599	
15,000.00	7,061.92	6,519.00	6,487.09	229.16	30.08	-4.07	-399.54	301.89	7,549.54	7,484.45	65.09	115.990	
15,100.00	7,060.48	6,519.00	6,487.09	231.98	30.08	-4.07	-399.54	301.89	7,649.14	7,583.97	65.17	117.378	
15,200.00	7,059.04	6,519.00	6,487.09	234.79	30.08	-4.07	-399.54	301.89	7,748.75	7,683.51	65.25	118.761	
15,300.00	7,057.60	6,519.00	6,487.09	237.61	30.08	-4.07	-399.54	301.89	7,848.37	7,783.05	65.33	120.139	
15,400.00	7,056.15	6,519.00	6,487.09	240.42	30.08	-4.07	-399.54	301.89	7,948.00	7,882.60	65.41	121.513	
15,500.00	7,054.71	6,519.00	6,487.09	243.24	30.08	-4.07	-399.54	301.89	8,047.64	7,982.15	65.49	122.882	
15,600.00	7,053.27	6,519.00	6,487.09	246.05	30.08	-4.07	-399.54	301.89	8,147.29	8,081.72	65.57	124.247	
15,687.75	7,052.00	6,519.00	6,487.09	248.53	30.08	-4.07	-399.54	301.89	8,234.75	8,169.10	65.65	125.441	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	79.30	98.74	522.79	532.07					
100.00	100.00	99.46	99.46	3.28	3.29	79.32	98.50	522.21	531.46	524.89	6.57	80.860		
200.00	200.00	202.66	202.64	3.34	3.32	79.35	97.88	520.51	529.72	523.06	6.66	79.539		
300.00	300.00	298.47	298.44	3.44	3.41	79.29	98.14	519.03	528.25	521.40	6.86	77.042		
400.00	399.98	393.73	393.68	3.60	3.55	-34.67	99.74	518.19	526.27	519.12	7.14	73.659		
500.00	499.84	488.02	487.89	3.79	3.72	-35.43	103.42	517.74	522.29	514.77	7.51	69.501		
600.00	599.45	581.74	581.35	4.03	3.93	-36.78	110.42	517.83	516.93	508.96	7.97	64.899		
700.00	698.70	678.78	678.02	4.30	4.19	-38.58	118.89	518.11	509.64	501.15	8.50	59.989		
800.00	797.47	775.59	774.45	4.61	4.48	-40.70	127.37	518.71	500.52	491.43	9.09	55.059		
900.00	895.62	870.28	868.61	4.96	4.79	-43.34	137.38	518.91	489.74	480.00	9.74	50.272		
1,000.00	993.06	962.88	960.26	5.34	5.13	-46.70	150.57	518.59	478.48	468.03	10.45	45.787		
1,100.00	1,089.64	1,054.93	1,050.93	5.75	5.50	-50.81	166.34	517.29	467.14	455.92	11.22	41.635		
1,110.48	1,099.71	1,064.29	1,060.14	5.80	5.54	-51.27	168.04	517.13	466.00	454.69	11.30	41.223		
1,200.00	1,185.67	1,145.71	1,140.10	6.20	5.89	-55.21	183.29	515.71	457.76	445.72	12.04	38.031		
1,300.00	1,281.70	1,237.59	1,230.39	6.67	6.31	-59.75	200.24	514.13	451.56	438.67	12.89	35.029		
1,400.00	1,377.72	1,329.06	1,320.26	7.16	6.74	-64.33	217.24	512.80	449.03	435.27	13.76	32.622		
1,433.56	1,409.95	1,361.22	1,351.88	7.32	6.90	-65.95	223.14	512.29	448.88	434.82	14.07	31.909 CC		
1,500.00	1,473.75	1,427.05	1,416.62	7.66	7.21	-69.24	234.90	511.06	449.40	434.72	14.68	30.615 ES		
1,600.00	1,569.77	1,523.47	1,511.69	8.17	7.68	-74.01	250.85	508.49	451.55	435.96	15.59	28.963		
1,700.00	1,665.80	1,615.44	1,602.31	8.69	8.13	-78.49	266.36	506.17	457.36	440.89	16.48	27.755		
1,800.00	1,761.82	1,711.14	1,696.74	9.22	8.60	-83.06	281.54	502.97	465.17	447.79	17.38	26.764		
1,900.00	1,857.85	1,796.20	1,780.58	9.76	9.03	-86.94	295.69	500.76	476.99	458.78	18.21	26.196		
2,000.00	1,953.87	1,886.26	1,869.36	10.30	9.49	-90.73	310.82	499.91	492.27	473.21	19.05	25.836		
2,100.00	2,049.90	1,973.55	1,955.34	10.84	9.94	-94.13	325.89	499.88	510.57	490.70	19.87	25.697		
2,200.00	2,145.92	2,056.74	2,037.06	11.39	10.38	-97.18	341.47	500.05	532.30	511.66	20.64	25.789		
2,300.00	2,241.94	2,157.92	2,136.40	11.95	10.93	-100.74	360.66	499.10	555.92	534.35	21.57	25.778		
2,400.00	2,337.97	2,257.56	2,234.46	12.50	11.46	-104.16	378.01	495.83	579.55	557.07	22.47	25.788		
2,500.00	2,433.99	2,332.26	2,307.80	13.06	11.86	-106.60	391.85	492.87	605.92	582.76	23.16	26.167		
2,600.00	2,530.02	2,431.64	2,405.24	13.63	12.41	-109.54	411.10	489.70	634.64	610.57	24.07	26.366		
2,700.00	2,626.04	2,525.17	2,497.15	14.19	12.93	-111.99	428.35	487.68	663.74	638.81	24.93	26.622		
2,800.00	2,722.07	2,605.35	2,575.83	14.76	13.37	-113.83	443.75	487.12	694.53	668.86	25.67	27.059		
2,900.00	2,818.09	2,693.57	2,662.18	15.32	13.87	-115.62	461.82	487.48	727.22	700.73	26.49	27.452		
3,000.00	2,914.12	2,785.44	2,752.09	15.89	14.40	-117.38	480.70	487.15	760.74	733.38	27.36	27.807		
3,100.00	3,010.14	2,876.26	2,840.98	16.46	14.92	-119.05	499.23	485.97	794.88	766.66	28.22	28.172		
3,200.00	3,106.17	2,972.51	2,935.25	17.03	15.47	-120.72	518.59	484.06	829.46	800.32	29.13	28.470		
3,298.02	3,200.29	3,063.61	3,024.56	17.59	15.99	-122.18	536.47	482.39	863.41	833.41	30.00	28.776		
3,300.00	3,202.19	3,065.43	3,026.34	17.60	16.00	-122.22	536.82	482.34	864.11	834.08	30.02	28.783		
3,400.00	3,298.70	3,168.49	3,127.50	18.16	16.59	-124.25	556.43	480.13	897.82	866.81	31.00	28.958		
3,500.00	3,396.07	3,262.19	3,219.60	18.68	17.11	-125.80	573.58	478.48	929.25	897.39	31.87	29.160		
3,600.00	3,494.17	3,369.52	3,325.18	19.18	17.70	-127.14	592.82	477.14	958.48	925.63	32.86	29.173		
3,700.00	3,592.88	3,464.92	3,419.10	19.64	18.23	-128.05	609.55	477.10	985.11	951.41	33.71	29.226		
3,800.00	3,692.10	3,565.20	3,517.86	20.08	18.77	-128.77	626.95	476.89	1,009.58	974.99	34.59	29.186		
3,900.00	3,791.69	3,665.95	3,617.19	20.49	19.32	-129.30	643.77	476.24	1,031.43	995.97	35.46	29.085		
4,000.00	3,891.53	3,742.37	3,692.39	20.88	19.74	-129.62	657.35	475.76	1,052.15	1,016.07	36.07	29.166		
4,108.50	4,000.00	3,839.07	3,787.26	21.27	20.30	-16.13	676.08	475.25	1,073.80	1,036.93	36.86	29.129		
4,200.00	4,091.50	3,925.63	3,872.10	21.58	20.80	-15.91	693.22	474.43	1,091.47	1,053.90	37.57	29.049		
4,300.00	4,191.50	4,030.52	3,974.96	21.92	21.40	-15.71	713.69	472.74	1,110.71	1,072.24	38.46	28.878		
4,400.00	4,291.50	4,131.14	4,073.75	22.27	21.97	-15.54	732.69	470.66	1,129.46	1,090.16	39.30	28.737		
4,500.00	4,391.50	4,238.08	4,178.86	22.62	22.58	-15.43	752.12	467.53	1,147.75	1,107.54	40.21	28.545		
4,600.00	4,491.50	4,329.44	4,268.60	22.97	23.09	-15.26	769.18	466.35	1,166.10	1,125.14	40.96	28.470		
4,700.00	4,591.50	4,434.89	4,372.19	23.33	23.69	-15.03	788.89	465.94	1,184.27	1,142.41	41.86	28.290		
4,800.00	4,691.50	4,534.79	4,470.41	23.69	24.25	-14.85	807.10	464.85	1,202.17	1,159.46	42.71	28.150		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,634.71	4,568.73	24.05	24.81	-14.72	824.86	463.03	1,219.83	1,176.28	43.55	28.011		
5,000.00	4,891.50	4,732.43	4,664.79	24.42	25.36	-14.52	842.74	462.52	1,237.68	1,193.30	44.37	27.891		
5,100.00	4,991.50	4,836.15	4,766.84	24.78	25.94	-14.33	861.28	462.01	1,255.11	1,209.85	45.26	27.729		
5,200.00	5,091.50	4,937.35	4,866.45	25.15	26.51	-14.18	879.08	460.93	1,272.44	1,226.32	46.12	27.587		
5,300.00	5,191.50	5,050.35	4,977.83	25.53	27.12	-14.04	898.08	459.20	1,289.14	1,242.04	47.10	27.372		
5,400.00	5,291.50	5,136.89	5,063.19	25.90	27.60	-13.92	912.29	458.49	1,305.33	1,257.51	47.82	27.298		
5,500.00	5,391.50	5,231.10	5,155.92	26.28	28.12	-13.81	928.91	457.09	1,322.80	1,274.18	48.62	27.210		
5,600.00	5,491.50	5,321.55	5,244.99	26.65	28.62	-13.73	944.50	455.14	1,340.08	1,290.71	49.38	27.141		
5,700.00	5,591.50	5,413.72	5,335.57	27.03	29.14	-13.65	961.36	452.73	1,358.46	1,308.31	50.15	27.086		
5,800.00	5,691.50	5,529.27	5,449.20	27.41	29.79	-13.48	982.27	451.83	1,376.26	1,325.09	51.17	26.896		
5,900.00	5,791.50	5,643.95	5,562.28	27.80	30.42	-13.36	1,001.33	450.22	1,392.75	1,340.58	52.16	26.699		
6,000.00	5,891.50	5,808.70	5,725.52	28.18	31.25	-13.25	1,023.27	447.76	1,405.84	1,352.31	53.54	26.259		
6,100.00	5,991.50	6,100.00	5,925.47	28.57	32.48	-13.26	1,037.45	444.23	1,412.67	1,357.34	55.32	25.534		
6,200.00	6,091.50	6,180.36	6,096.54	28.96	32.70	-13.26	1,037.89	444.27	1,411.91	1,355.97	55.94	25.238		
6,300.00	6,191.50	6,282.86	6,199.05	29.35	33.03	-13.25	1,037.23	444.50	1,411.23	1,354.52	56.72	24.881		
6,400.00	6,291.50	6,379.06	6,295.23	29.74	33.34	-13.19	1,036.54	446.18	1,410.14	1,352.65	57.49	24.527		
6,500.00	6,391.50	6,489.41	6,405.26	30.13	33.72	-12.90	1,037.21	453.38	1,409.28	1,350.97	58.32	24.165		
6,600.00	6,491.50	6,584.80	6,497.46	30.52	34.05	-11.95	1,040.97	476.50	1,407.89	1,348.74	59.16	23.800		
6,639.95	6,531.45	6,632.39	6,541.09	30.68	34.22	-11.18	1,044.41	495.19	1,407.55	1,348.02	59.53	23.643		
6,650.00	6,541.50	6,647.31	6,554.78	30.72	34.27	80.93	1,045.38	501.05	1,407.41	1,347.77	59.64	23.600		
6,700.00	6,591.41	6,693.42	6,604.70	30.90	35.10	87.38	1,045.48	635.82	1,405.34	1,345.21	60.13	23.372		
6,750.00	6,640.95	6,693.73	6,627.36	31.09	35.16	89.01	1,043.76	655.87	1,397.68	1,336.98	60.70	23.025		
6,800.00	6,689.82	6,693.20	6,648.62	31.29	35.22	90.62	1,042.30	676.22	1,391.08	1,329.81	61.27	22.703		
6,850.00	6,737.71	7,021.87	6,868.45	31.49	35.28	92.16	1,040.93	696.88	1,385.74	1,323.90	61.84	22.407		
6,900.00	6,784.33	7,040.04	6,880.54	31.70	35.33	93.20	1,040.07	710.42	1,381.98	1,319.59	62.39	22.151		
6,950.00	6,829.39	7,051.74	6,888.11	31.92	35.35	93.84	1,039.54	719.32	1,380.08	1,317.19	62.89	21.945		
6,972.72	6,849.27	7,055.44	6,890.47	32.03	35.36	94.01	1,039.37	722.16	1,379.87	1,316.77	63.10	21.868		
7,000.00	6,872.61	7,058.71	6,892.54	32.15	35.37	94.12	1,039.23	724.69	1,380.17	1,316.83	63.34	21.790		
7,050.00	6,913.73	7,061.80	6,894.49	32.41	35.37	94.05	1,039.09	727.09	1,382.33	1,318.59	63.74	21.687		
7,100.00	6,952.49	7,061.67	6,894.40	32.68	35.37	93.67	1,039.10	726.99	1,386.57	1,322.47	64.10	21.631		
7,150.00	6,988.66	7,058.86	6,892.64	32.98	35.37	92.98	1,039.22	724.81	1,392.83	1,328.40	64.42	21.619 SF		
7,200.00	7,022.01	7,053.82	6,889.44	33.31	35.36	92.03	1,039.44	720.92	1,401.03	1,336.30	64.73	21.645		
7,250.00	7,052.33	7,046.91	6,885.01	33.67	35.34	90.83	1,039.75	715.63	1,411.05	1,346.03	65.02	21.703		
7,300.00	7,079.44	7,038.41	6,879.48	34.07	35.32	89.41	1,040.14	709.19	1,422.74	1,357.44	65.31	21.785		
7,350.00	7,103.17	7,027.00	6,871.90	34.51	35.30	87.73	1,040.68	700.67	1,435.95	1,370.35	65.59	21.892		
7,400.00	7,123.38	7,016.25	6,864.63	34.98	35.27	85.96	1,041.20	692.77	1,450.46	1,384.54	65.92	22.004		
7,450.00	7,139.94	7,002.61	6,855.23	35.50	35.24	83.99	1,041.85	682.91	1,466.09	1,399.84	66.25	22.130		
7,500.00	7,152.75	6,988.03	6,844.95	36.05	35.21	81.92	1,042.55	672.59	1,482.62	1,416.02	66.61	22.259		
7,550.00	7,161.73	6,980.00	6,839.20	36.64	35.19	80.01	1,042.94	667.00	1,499.90	1,432.84	67.06	22.366		
7,600.00	7,166.82	6,959.24	6,824.06	37.26	35.15	77.68	1,044.00	652.85	1,517.66	1,450.22	67.44	22.505		
7,649.14	7,168.00	6,944.49	6,813.07	37.89	35.12	75.58	1,044.83	643.04	1,535.48	1,467.60	67.89	22.619		
7,700.00	7,167.27	6,932.00	6,803.62	38.57	35.09	75.23	1,045.57	634.90	1,554.61	1,486.21	68.40	22.728		
7,800.00	7,165.83	6,899.54	6,778.49	40.04	35.03	74.30	1,047.65	614.47	1,595.34	1,525.95	69.39	22.990		
7,900.00	7,164.38	6,867.80	6,753.09	41.66	34.96	73.37	1,049.78	595.56	1,640.05	1,569.63	70.42	23.289		
8,000.00	7,162.94	6,834.99	6,725.74	43.40	34.88	72.38	1,051.45	577.52	1,688.35	1,616.91	71.43	23.635		
8,100.00	7,161.50	6,796.36	6,692.00	45.26	34.77	71.15	1,051.97	558.75	1,739.95	1,667.58	72.36	24.045		
8,200.00	7,160.05	6,772.05	6,670.01	47.21	34.70	70.35	1,051.40	548.42	1,794.82	1,721.48	73.34	24.473		
8,300.00	7,158.61	6,742.00	6,642.28	49.26	34.60	69.34	1,050.20	536.91	1,853.04	1,778.80	74.24	24.961		
8,400.00	7,157.17	6,713.43	6,615.72	51.38	34.50	68.38	1,048.78	526.48	1,914.10	1,839.02	75.08	25.496		
8,500.00	7,155.73	6,680.00	6,511.46	53.57	34.11	64.71	1,042.08	482.31	1,976.41	1,901.37	75.05	26.336		
8,600.00	7,154.28	6,600.00	6,511.46	55.82	34.11	64.71	1,042.08	482.31	2,040.94	1,964.87	76.08	26.828		
8,700.00	7,152.84	6,600.00	6,511.46	58.12	34.11	64.71	1,042.08	482.31	2,108.25	2,031.23	77.02	27.374		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,151.40	6,600.00	6,511.46	60.47	34.11	64.71	1,042.08	482.31	2,178.06	2,100.19	77.88	27.969		
8,900.00	7,149.95	6,600.00	6,511.46	62.86	34.11	64.71	1,042.08	482.31	2,250.16	2,171.50	78.66	28.608		
9,000.00	7,148.51	6,600.00	6,511.46	65.28	34.11	64.71	1,042.08	482.31	2,324.32	2,244.95	79.37	29.286		
9,100.00	7,147.07	6,600.00	6,511.46	67.74	34.11	64.71	1,042.08	482.31	2,400.36	2,320.35	80.01	30.001		
9,200.00	7,145.62	6,558.08	6,472.29	70.23	33.96	63.37	1,039.37	467.69	2,475.51	2,395.19	80.32	30.821		
9,300.00	7,144.18	6,553.96	6,468.35	72.74	33.94	63.24	1,039.16	466.50	2,554.26	2,473.42	80.84	31.596		
9,400.00	7,142.74	6,550.11	6,464.67	75.28	33.93	63.12	1,038.97	465.42	2,634.40	2,553.08	81.32	32.396		
9,500.00	7,141.29	6,546.51	6,461.21	77.84	33.92	63.00	1,038.81	464.44	2,715.82	2,634.06	81.76	33.219		
9,600.00	7,139.85	6,505.00	6,420.68	80.42	33.77	61.67	1,037.48	455.66	2,800.57	2,718.65	81.92	34.187		
9,700.00	7,138.41	6,505.00	6,420.68	83.01	33.77	61.67	1,037.48	455.66	2,883.89	2,801.57	82.32	35.034		
9,800.00	7,136.97	6,505.00	6,420.68	85.62	33.77	61.67	1,037.48	455.66	2,968.24	2,885.56	82.68	35.900		
9,900.00	7,135.52	6,505.00	6,420.68	88.25	33.77	61.67	1,037.48	455.66	3,053.54	2,970.53	83.01	36.784		
10,000.00	7,134.08	6,505.00	6,420.68	90.89	33.77	61.67	1,037.48	455.66	3,139.70	3,056.38	83.32	37.684		
10,100.00	7,132.64	6,505.00	6,420.68	93.54	33.77	61.67	1,037.48	455.66	3,226.66	3,143.07	83.60	38.598		
10,200.00	7,131.19	6,505.00	6,420.68	96.20	33.77	61.67	1,037.48	455.66	3,314.36	3,230.51	83.85	39.525		
10,300.00	7,129.75	6,505.00	6,420.68	98.87	33.77	61.67	1,037.48	455.66	3,402.74	3,318.65	84.09	40.464		
10,400.00	7,128.31	6,505.00	6,420.68	101.55	33.77	61.67	1,037.48	455.66	3,491.74	3,407.43	84.31	41.415		
10,500.00	7,126.86	6,505.00	6,420.68	104.24	33.77	61.67	1,037.48	455.66	3,581.32	3,496.81	84.52	42.375		
10,600.00	7,125.42	6,505.00	6,420.68	106.94	33.77	61.67	1,037.48	455.66	3,671.45	3,586.74	84.70	43.344		
10,700.00	7,123.98	6,505.00	6,420.68	109.64	33.77	61.67	1,037.48	455.66	3,762.07	3,677.19	84.88	44.322		
10,800.00	7,122.53	6,505.00	6,420.68	112.36	33.77	61.67	1,037.48	455.66	3,853.15	3,768.11	85.04	45.308		
10,900.00	7,121.09	6,505.00	6,420.68	115.08	33.77	61.67	1,037.48	455.66	3,944.67	3,859.47	85.20	46.301		
11,000.00	7,119.65	6,505.00	6,420.68	117.80	33.77	61.67	1,037.48	455.66	4,036.59	3,951.25	85.34	47.300		
11,100.00	7,118.20	6,505.00	6,420.68	120.53	33.77	61.67	1,037.48	455.66	4,128.88	4,043.41	85.47	48.306		
11,200.00	7,116.76	6,505.00	6,420.68	123.26	33.77	61.67	1,037.48	455.66	4,221.53	4,135.93	85.60	49.317		
11,300.00	7,115.32	6,505.00	6,420.68	126.00	33.77	61.67	1,037.48	455.66	4,314.50	4,228.78	85.72	50.333		
11,400.00	7,113.88	6,505.00	6,420.68	128.75	33.77	61.67	1,037.48	455.66	4,407.79	4,321.95	85.83	51.353		
11,500.00	7,112.43	6,505.00	6,420.68	131.50	33.77	61.67	1,037.48	455.66	4,501.36	4,415.42	85.94	52.378		
11,600.00	7,110.99	6,505.00	6,420.68	134.25	33.77	61.67	1,037.48	455.66	4,595.20	4,509.16	86.04	53.407		
11,700.00	7,109.55	6,505.00	6,420.68	137.01	33.77	61.67	1,037.48	455.66	4,689.29	4,603.15	86.14	54.439		
11,800.00	7,108.10	6,505.00	6,420.68	139.77	33.77	61.67	1,037.48	455.66	4,783.63	4,697.40	86.23	55.474		
11,900.00	7,106.66	6,505.00	6,420.68	142.53	33.77	61.67	1,037.48	455.66	4,878.19	4,791.87	86.32	56.513		
12,000.00	7,105.22	6,505.00	6,420.68	145.30	33.77	61.67	1,037.48	455.66	4,972.96	4,886.56	86.40	57.554		
12,100.00	7,103.77	6,505.00	6,420.68	148.06	33.77	61.67	1,037.48	455.66	5,067.94	4,981.45	86.49	58.598		
12,200.00	7,102.33	6,505.00	6,420.68	150.84	33.77	61.67	1,037.48	455.66	5,163.10	5,076.54	86.57	59.644		
12,300.00	7,100.89	6,505.00	6,420.68	153.61	33.77	61.67	1,037.48	455.66	5,258.45	5,171.80	86.64	60.692		
12,400.00	7,099.44	6,505.00	6,420.68	156.39	33.77	61.67	1,037.48	455.66	5,353.96	5,267.24	86.72	61.742		
12,500.00	7,098.00	6,505.00	6,420.68	159.17	33.77	61.67	1,037.48	455.66	5,449.64	5,362.85	86.79	62.793		
12,600.00	7,096.56	6,505.00	6,420.68	161.95	33.77	61.67	1,037.48	455.66	5,545.46	5,458.61	86.86	63.846		
12,700.00	7,095.12	6,505.00	6,420.68	164.73	33.77	61.67	1,037.48	455.66	5,641.43	5,554.51	86.92	64.900		
12,800.00	7,093.67	6,505.00	6,420.68	167.52	33.77	61.67	1,037.48	455.66	5,737.54	5,650.55	86.99	65.956		
12,900.00	7,092.23	6,505.00	6,420.68	170.31	33.77	61.67	1,037.48	455.66	5,833.79	5,746.73	87.06	67.012		
13,000.00	7,090.79	6,505.00	6,420.68	173.09	33.77	61.67	1,037.48	455.66	5,930.15	5,843.03	87.12	68.069		
13,100.00	7,089.34	6,505.00	6,420.68	175.89	33.77	61.67	1,037.48	455.66	6,026.63	5,939.45	87.18	69.127		
13,200.00	7,087.90	6,505.00	6,420.68	178.68	33.77	61.67	1,037.48	455.66	6,123.23	6,035.99	87.24	70.186		
13,300.00	7,086.46	6,505.00	6,420.68	181.47	33.77	61.67	1,037.48	455.66	6,219.93	6,132.63	87.30	71.245		
13,400.00	7,085.01	6,505.00	6,420.68	184.27	33.77	61.67	1,037.48	455.66	6,316.74	6,229.38	87.36	72.304		
13,500.00	7,083.57	6,505.00	6,420.68	187.07	33.77	61.67	1,037.48	455.66	6,413.65	6,326.22	87.42	73.364		
13,600.00	7,082.13	6,505.00	6,420.68	189.86	33.77	61.67	1,037.48	455.66	6,510.64	6,423.16	87.48	74.424		
13,700.00	7,080.68	6,505.00	6,420.68	192.66	33.77	61.67	1,037.48	455.66	6,607.73	6,520.19	87.54	75.484		
13,800.00	7,079.24	6,505.00	6,420.68	195.47	33.77	61.67	1,037.48	455.66	6,704.90	6,617.31	87.60	76.544		
13,900.00	7,077.80	6,505.00	6,420.68	198.27	33.77	61.67	1,037.48	455.66	6,802.16	6,714.51	87.65	77.603		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 #21-5-3CHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 168-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,076.36	6,505.00	6,420.68	201.07	33.77	61.67	1,037.48	455.66	6,899.49	6,811.78	87.71	78.663	
14,100.00	7,074.91	6,462.48	6,378.52	203.88	33.63	60.33	1,036.84	450.22	6,995.52	6,907.83	87.69	79.780	
14,200.00	7,073.47	6,461.44	6,377.48	206.68	33.62	60.30	1,036.83	450.12	7,092.93	7,005.19	87.74	80.840	
14,300.00	7,072.03	6,460.42	6,376.47	209.49	33.62	60.26	1,036.82	450.02	7,190.41	7,102.62	87.80	81.900	
14,400.00	7,070.58	6,459.43	6,375.48	212.30	33.62	60.23	1,036.81	449.92	7,287.96	7,200.11	87.85	82.959	
14,500.00	7,069.14	6,458.46	6,374.52	215.11	33.61	60.20	1,036.80	449.83	7,385.58	7,297.67	87.90	84.018	
14,600.00	7,067.70	6,457.52	6,373.58	217.92	33.61	60.17	1,036.79	449.75	7,483.25	7,395.29	87.96	85.076	
14,700.00	7,066.25	6,456.60	6,372.66	220.73	33.61	60.15	1,036.78	449.66	7,580.99	7,492.97	88.01	86.134	
14,800.00	7,064.81	6,455.70	6,371.77	223.54	33.60	60.12	1,036.77	449.58	7,678.78	7,590.71	88.07	87.190	
14,900.00	7,063.37	6,454.82	6,370.89	226.35	33.60	60.09	1,036.76	449.50	7,776.63	7,688.50	88.12	88.246	
15,000.00	7,061.92	6,453.96	6,370.04	229.16	33.60	60.06	1,036.76	449.43	7,874.53	7,786.35	88.18	89.301	
15,100.00	7,060.48	6,453.12	6,369.20	231.98	33.59	60.04	1,036.75	449.36	7,972.48	7,884.24	88.23	90.355	
15,200.00	7,059.04	6,410.00	6,326.15	234.79	33.45	58.72	1,036.52	446.94	8,071.83	7,983.62	88.21	91.503	
15,300.00	7,057.60	6,410.00	6,326.15	237.61	33.45	58.72	1,036.52	446.94	8,169.83	8,081.56	88.27	92.553	
15,400.00	7,056.15	6,410.00	6,326.15	240.42	33.45	58.72	1,036.52	446.94	8,267.87	8,179.54	88.33	93.603	
15,500.00	7,054.71	6,410.00	6,326.15	243.24	33.45	58.72	1,036.52	446.94	8,365.96	8,277.58	88.39	94.651	
15,600.00	7,053.27	6,410.00	6,326.15	246.05	33.45	58.72	1,036.52	446.94	8,464.10	8,375.65	88.45	95.698	
15,687.75	7,052.00	6,410.00	6,326.15	248.53	33.45	58.72	1,036.52	446.94	8,550.25	8,461.75	88.50	96.616	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	80.86	83.80	521.12	527.86					
100.00	100.00	93.59	93.59	3.28	3.29	80.88	83.66	521.08	527.76	521.19	6.57	80.315		
200.00	200.00	195.22	195.22	3.34	3.32	80.93	83.20	520.95	527.56	520.90	6.65	79.281		
300.00	300.00	299.07	299.06	3.44	3.41	81.01	82.33	520.25	526.76	519.90	6.86	76.779		
400.00	399.98	398.49	398.47	3.60	3.56	-32.72	81.68	519.16	524.11	516.95	7.16	73.208		
500.00	499.84	501.96	501.93	3.79	3.76	-33.06	81.04	517.90	518.41	510.85	7.56	68.612		
600.00	599.45	602.17	602.13	4.03	3.99	-33.65	80.32	516.12	509.26	501.23	8.03	63.454		
700.00	698.70	696.01	695.95	4.30	4.24	-34.54	80.25	514.80	497.75	489.21	8.54	58.282		
800.00	797.47	797.12	797.06	4.61	4.52	-35.88	80.91	513.56	483.85	474.72	9.13	52.979		
900.00	895.62	891.94	891.85	4.96	4.81	-37.63	82.59	512.20	467.44	457.69	9.75	47.923		
1,000.00	993.06	985.80	985.64	5.34	5.11	-39.99	85.92	511.03	449.42	439.00	10.42	43.146		
1,100.00	1,089.64	1,077.18	1,076.91	5.75	5.41	-42.90	90.39	510.35	430.43	419.31	11.12	38.718		
1,110.48	1,099.71	1,086.65	1,086.37	5.80	5.44	-43.24	90.91	510.32	428.41	417.22	11.20	38.266		
1,200.00	1,185.67	1,167.49	1,167.06	6.20	5.72	-46.04	95.70	510.41	412.19	400.34	11.86	34.764		
1,300.00	1,281.70	1,264.53	1,263.90	6.67	6.07	-49.74	102.05	510.63	395.88	383.23	12.66	31.277		
1,400.00	1,377.72	1,356.94	1,356.03	7.16	6.41	-53.68	109.03	510.18	381.24	367.76	13.48	28.276		
1,500.00	1,473.75	1,445.83	1,444.36	7.66	6.76	-58.15	118.87	509.17	370.16	355.83	14.34	25.821		
1,600.00	1,569.77	1,537.58	1,535.19	8.17	7.13	-63.36	131.78	507.46	363.30	348.07	15.23	23.853		
1,700.00	1,665.80	1,633.28	1,629.81	8.69	7.54	-69.09	145.85	504.62	359.80	343.64	16.16	22.260		
1,765.16	1,728.36	1,696.09	1,691.92	9.03	7.81	-72.92	154.84	502.22	359.15	342.37	16.78	21.405 CC		
1,800.00	1,761.82	1,729.59	1,725.05	9.22	7.96	-74.98	159.54	500.77	359.34	342.23	17.11	21.004 ES		
1,900.00	1,857.85	1,825.18	1,819.65	9.76	8.38	-80.82	172.51	496.19	362.05	344.00	18.05	20.063		
2,000.00	1,953.87	1,913.47	1,907.11	10.30	8.78	-86.01	183.96	492.41	368.51	349.59	18.92	19.478		
2,100.00	2,049.90	2,005.08	1,997.79	10.84	9.20	-91.05	196.81	489.88	380.03	360.24	19.79	19.202		
2,200.00	2,145.92	2,102.40	2,094.23	11.39	9.64	-96.07	209.51	487.09	393.88	373.19	20.69	19.036		
2,300.00	2,241.94	2,199.56	2,190.64	11.95	10.09	-100.72	221.23	484.26	409.65	388.07	21.58	18.986		
2,400.00	2,337.97	2,288.30	2,278.73	12.50	10.50	-104.67	231.60	481.56	427.57	405.19	22.38	19.107		
2,500.00	2,433.99	2,371.30	2,360.87	13.06	10.90	-108.19	243.07	478.41	449.65	426.55	23.10	19.463		
2,600.00	2,530.02	2,461.42	2,449.84	13.63	11.34	-111.62	257.10	475.58	475.36	451.47	23.89	19.895		
2,700.00	2,626.04	2,553.25	2,540.60	14.19	11.79	-114.84	270.67	472.16	502.03	477.34	24.70	20.326		
2,800.00	2,722.07	2,634.77	2,620.95	14.76	12.20	-117.31	284.31	470.21	531.79	506.40	25.39	20.948		
2,900.00	2,818.09	2,724.28	2,709.00	15.32	12.66	-119.77	300.25	467.85	563.70	537.53	26.17	21.538		
3,000.00	2,914.12	2,819.14	2,802.33	15.89	13.15	-122.20	316.83	464.46	596.43	569.40	27.03	22.066		
3,100.00	3,010.14	2,914.80	2,896.53	16.46	13.64	-124.22	333.41	463.02	629.41	601.50	27.91	22.552		
3,200.00	3,106.17	3,008.01	2,988.34	17.03	14.12	-125.95	349.45	462.22	662.73	633.96	28.76	23.040		
3,298.02	3,200.29	3,101.82	3,080.84	17.59	14.61	-127.61	365.02	460.50	695.59	665.96	29.63	23.472		
3,300.00	3,202.19	3,103.74	3,082.73	17.60	14.62	-127.65	365.33	460.46	696.25	666.60	29.65	23.481		
3,400.00	3,298.70	3,200.24	3,177.99	18.16	15.11	-129.70	380.56	457.87	728.70	698.17	30.54	23.863		
3,500.00	3,396.07	3,296.29	3,272.87	18.68	15.61	-131.42	395.10	454.43	759.09	727.70	31.39	24.179		
3,600.00	3,494.17	3,394.49	3,369.90	19.18	16.11	-132.75	409.91	451.84	787.16	754.89	32.27	24.396		
3,700.00	3,592.88	3,489.59	3,463.92	19.64	16.60	-133.80	423.95	448.95	812.92	779.83	33.09	24.569		
3,800.00	3,692.10	3,583.31	3,556.45	20.08	17.08	-134.47	438.76	447.51	836.83	802.94	33.89	24.695		
3,900.00	3,791.69	3,681.83	3,653.72	20.49	17.59	-134.92	454.29	445.97	858.33	823.60	34.73	24.714		
4,000.00	3,891.53	3,774.51	3,745.22	20.88	18.08	-135.22	468.89	443.77	877.72	842.23	35.49	24.729		
4,108.50	4,000.00	3,873.83	3,843.16	21.27	18.60	-21.74	485.07	440.49	896.91	860.63	36.29	24.718		
4,200.00	4,091.50	3,962.87	3,930.91	21.58	19.08	-21.61	499.71	436.77	912.31	875.30	37.01	24.652		
4,300.00	4,191.50	4,067.99	4,034.55	21.92	19.63	-21.51	516.57	431.93	928.93	891.04	37.89	24.516		
4,400.00	4,291.50	4,180.18	4,145.40	22.27	20.22	-21.43	533.09	426.76	944.31	905.45	38.85	24.305		
4,500.00	4,391.50	4,286.97	4,251.10	22.62	20.76	-21.41	547.35	421.43	958.56	918.82	39.74	24.118		
4,600.00	4,491.50	4,394.88	4,358.01	22.97	21.31	-21.38	561.15	416.67	972.08	931.43	40.65	23.914		
4,700.00	4,591.50	4,526.42	4,488.63	23.33	21.96	-21.21	576.34	413.88	983.66	941.89	41.78	23.546		
4,800.00	4,691.50	4,650.33	4,612.07	23.69	22.52	-21.05	587.01	412.57	992.06	949.26	42.79	23.182		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,782.66	4,744.15	24.05	23.10	-21.01	594.63	410.51	998.07	954.24	43.83	22.770		
5,000.00	4,891.50	4,916.41	4,877.87	24.42	23.63	-21.07	596.71	408.61	999.90	955.08	44.82	22.312		
5,100.00	4,991.50	5,012.35	4,973.80	24.78	23.99	-21.12	597.16	407.37	1,000.80	955.21	45.59	21.952		
5,200.00	5,091.50	5,112.18	5,073.61	25.15	24.38	-21.18	597.82	405.98	1,001.92	955.53	46.39	21.598		
5,300.00	5,191.50	5,212.74	5,174.16	25.53	24.77	-21.27	598.19	404.16	1,002.92	955.73	47.19	21.252		
5,400.00	5,291.50	5,314.16	5,275.56	25.90	25.16	-21.37	598.57	402.13	1,004.00	956.00	48.00	20.917		
5,500.00	5,391.50	5,415.44	5,376.82	26.28	25.56	-21.48	598.55	400.18	1,004.69	955.88	48.81	20.585		
5,600.00	5,491.50	5,507.39	5,468.75	26.65	25.92	-21.56	598.92	398.44	1,005.76	956.19	49.57	20.288		
5,700.00	5,591.50	5,612.90	5,574.24	27.03	26.34	-21.60	600.33	397.06	1,007.51	957.10	50.41	19.985		
5,800.00	5,691.50	5,714.57	5,675.88	27.41	26.74	-21.50	601.60	398.60	1,008.11	956.87	51.23	19.677		
5,900.00	5,791.50	5,805.15	5,766.40	27.80	27.10	-21.31	603.89	401.24	1,009.41	957.40	52.00	19.410		
6,000.00	5,891.50	5,920.27	5,881.47	28.18	27.56	-21.17	606.34	402.90	1,010.92	958.03	52.90	19.112		
6,100.00	5,991.50	6,015.63	5,976.82	28.57	27.93	-21.22	606.36	402.06	1,011.27	957.58	53.69	18.836		
6,200.00	6,091.50	6,106.90	6,068.08	28.96	28.30	-21.26	607.06	400.87	1,012.46	958.00	54.46	18.589		
6,300.00	6,191.50	6,245.98	6,207.14	29.35	28.83	-21.33	605.82	400.11	1,011.70	956.27	55.43	18.251		
6,400.00	6,291.50	6,338.28	6,299.40	29.74	29.18	-21.21	605.46	402.54	1,010.34	954.12	56.21	17.974		
6,500.00	6,391.50	6,530.64	6,488.00	30.13	29.87	-19.34	607.07	436.89	1,005.18	948.00	57.18	17.581		
6,600.00	6,491.50	6,685.62	6,630.20	30.52	30.34	-15.99	606.16	497.98	991.19	933.21	57.99	17.094		
6,639.95	6,531.45	6,761.88	6,694.99	30.68	30.55	-13.71	606.03	538.13	984.89	926.59	58.30	16.895		
6,650.00	6,541.50	6,781.46	6,710.84	30.72	30.61	78.97	605.84	549.61	983.10	924.73	58.37	16.843		
6,700.00	6,591.41	6,837.55	6,754.47	30.90	30.74	82.00	605.18	584.84	973.70	914.78	58.92	16.526		
6,750.00	6,640.95	6,880.33	6,785.97	31.09	30.86	84.78	604.77	613.78	964.54	904.99	59.55	16.196		
6,800.00	6,689.82	6,909.33	6,806.41	31.29	30.93	86.98	604.58	634.34	956.43	896.21	60.22	15.882		
6,850.00	6,737.71	6,931.44	6,821.52	31.49	30.99	88.76	604.54	650.48	950.01	889.17	60.84	15.614		
6,900.00	6,784.33	6,948.06	6,832.60	31.70	31.04	90.09	604.57	662.87	945.70	884.30	61.40	15.402		
6,950.00	6,829.39	6,959.79	6,840.28	31.92	31.08	90.95	604.62	671.74	943.79	881.93	61.87	15.255		
6,962.10	6,840.02	6,961.96	6,841.68	31.98	31.09	91.09	604.63	673.39	943.72	881.75	61.97	15.229		
7,000.00	6,872.61	6,967.22	6,845.08	32.15	31.11	91.33	604.67	677.42	944.48	882.25	62.24	15.176		
7,050.00	6,913.73	6,970.89	6,847.43	32.41	31.12	91.25	604.69	680.23	947.86	885.35	62.51	15.164 SF		
7,100.00	6,952.49	6,971.26	6,847.66	32.68	31.12	90.72	604.70	680.52	953.92	891.23	62.69	15.217		
7,150.00	6,988.66	6,968.76	6,846.07	32.98	31.11	89.78	604.68	678.60	962.59	899.80	62.79	15.330		
7,200.00	7,022.01	6,963.76	6,842.84	33.31	31.10	88.45	604.64	674.76	973.71	910.87	62.84	15.496		
7,250.00	7,052.33	6,956.56	6,838.18	33.67	31.07	86.78	604.60	669.28	987.08	924.23	62.85	15.706		
7,300.00	7,079.44	6,947.44	6,832.19	34.07	31.04	84.80	604.56	662.40	1,002.46	939.62	62.85	15.951		
7,350.00	7,103.17	6,936.64	6,825.01	34.51	31.01	82.56	604.54	654.33	1,019.58	956.73	62.85	16.223		
7,400.00	7,123.38	6,924.36	6,816.73	34.98	30.97	80.12	604.54	645.27	1,038.14	975.27	62.87	16.511		
7,450.00	7,139.94	6,910.78	6,807.41	35.50	30.94	77.52	604.57	635.39	1,057.87	994.94	62.93	16.809		
7,500.00	7,152.75	6,885.00	6,789.30	36.05	30.87	74.31	604.73	617.04	1,078.58	1,015.74	62.84	17.165		
7,550.00	7,161.73	6,885.00	6,789.30	36.64	30.87	72.30	604.73	617.04	1,099.70	1,036.43	63.27	17.381		
7,600.00	7,166.82	6,862.78	6,773.23	37.26	30.81	69.33	604.93	601.70	1,121.20	1,057.79	63.41	17.682		
7,649.14	7,168.00	6,845.06	6,760.11	37.89	30.76	66.68	605.10	589.80	1,142.42	1,078.75	63.66	17.945		
7,700.00	7,167.27	6,826.87	6,746.36	38.57	30.72	66.01	605.30	577.89	1,164.97	1,101.02	63.95	18.216		
7,800.00	7,165.83	6,790.00	6,717.65	40.04	30.63	64.62	605.74	554.77	1,212.94	1,148.44	64.50	18.806		
7,900.00	7,164.38	6,763.52	6,696.33	41.66	30.56	63.61	606.02	539.07	1,265.42	1,200.20	65.23	19.401		
8,000.00	7,162.94	6,736.54	6,673.97	43.40	30.48	62.56	606.18	523.97	1,322.13	1,256.22	65.91	20.061		
8,100.00	7,161.50	6,695.00	6,638.41	45.26	30.37	60.93	606.18	502.52	1,382.97	1,316.65	66.33	20.850		
8,200.00	7,160.05	6,695.00	6,638.41	47.21	30.37	60.93	606.18	502.52	1,446.88	1,379.59	67.29	21.504		
8,300.00	7,158.61	6,695.00	6,638.41	49.26	30.37	60.93	606.18	502.52	1,514.69	1,446.57	68.12	22.234		
8,400.00	7,157.17	6,654.84	6,602.90	51.38	30.25	59.35	606.20	483.75	1,584.52	1,516.11	68.41	23.162		
8,500.00	7,155.73	6,638.84	6,588.51	53.57	30.20	58.72	606.30	476.78	1,657.40	1,588.47	68.93	24.044		
8,600.00	7,154.28	6,600.00	6,553.00	55.82	30.09	57.22	606.75	461.06	1,733.09	1,663.93	69.16	25.060		
8,700.00	7,152.84	6,600.00	6,553.00	58.12	30.09	57.22	606.75	461.06	1,809.94	1,740.21	69.74	25.953		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,800.00	7,151.40	6,600.00	6,553.00	60.47	30.09	57.22	606.75	461.06	1,888.97	1,818.72	70.25	26.891		
8,900.00	7,149.95	6,600.00	6,553.00	62.86	30.09	57.22	606.75	461.06	1,969.90	1,899.22	70.69	27.867		
9,000.00	7,148.51	6,566.20	6,521.55	65.28	29.98	55.94	607.09	448.69	2,051.81	1,980.98	70.82	28.971		
9,100.00	7,147.07	6,552.55	6,508.72	67.74	29.94	55.42	607.13	444.01	2,135.22	2,064.13	71.09	30.037		
9,200.00	7,145.62	6,539.86	6,496.74	70.23	29.90	54.94	607.11	439.83	2,219.80	2,148.47	71.33	31.121		
9,300.00	7,144.18	6,505.00	6,463.56	72.74	29.78	53.63	606.81	429.16	2,305.76	2,234.37	71.39	32.300		
9,400.00	7,142.74	6,505.00	6,463.56	75.28	29.78	53.63	606.81	429.16	2,392.11	2,320.44	71.67	33.377		
9,500.00	7,141.29	6,505.00	6,463.56	77.84	29.78	53.63	606.81	429.16	2,479.49	2,407.57	71.92	34.475		
9,600.00	7,139.85	6,505.00	6,463.56	80.42	29.78	53.63	606.81	429.16	2,567.79	2,495.64	72.15	35.591		
9,700.00	7,138.41	6,505.00	6,463.56	83.01	29.78	53.63	606.81	429.16	2,656.92	2,584.57	72.35	36.724		
9,800.00	7,136.97	6,505.00	6,463.56	85.62	29.78	53.63	606.81	429.16	2,746.80	2,674.27	72.53	37.872		
9,900.00	7,135.52	6,505.00	6,463.56	88.25	29.78	53.63	606.81	429.16	2,837.35	2,764.66	72.69	39.033		
10,000.00	7,134.08	6,505.00	6,463.56	90.89	29.78	53.63	606.81	429.16	2,928.52	2,855.69	72.84	40.206		
10,100.00	7,132.64	6,505.00	6,463.56	93.54	29.78	53.63	606.81	429.16	3,020.25	2,947.28	72.97	41.390		
10,200.00	7,131.19	6,505.00	6,463.56	96.20	29.78	53.63	606.81	429.16	3,112.49	3,039.40	73.09	42.583		
10,300.00	7,129.75	6,505.00	6,463.56	98.87	29.78	53.63	606.81	429.16	3,205.20	3,131.99	73.20	43.784		
10,400.00	7,128.31	6,463.35	6,423.29	101.55	29.64	52.10	606.30	418.56	3,296.64	3,223.49	73.15	45.068		
10,500.00	7,126.86	6,459.79	6,419.82	104.24	29.62	51.97	606.26	417.79	3,389.86	3,316.63	73.24	46.286		
10,600.00	7,125.42	6,456.41	6,416.52	106.94	29.61	51.84	606.23	417.07	3,483.44	3,410.12	73.32	47.509		
10,700.00	7,123.98	6,453.20	6,413.37	109.64	29.60	51.73	606.19	416.41	3,577.35	3,503.95	73.40	48.738		
10,800.00	7,122.53	6,450.13	6,410.36	112.36	29.59	51.62	606.17	415.80	3,671.56	3,598.08	73.47	49.970		
10,900.00	7,121.09	6,410.00	6,370.79	115.08	29.45	50.18	605.86	409.21	3,767.38	3,693.97	73.41	51.317		
11,000.00	7,119.65	6,410.00	6,370.79	117.80	29.45	50.18	605.86	409.21	3,861.94	3,788.44	73.50	52.546		
11,100.00	7,118.20	6,410.00	6,370.79	120.53	29.45	50.18	605.86	409.21	3,956.77	3,883.19	73.57	53.779		
11,200.00	7,116.76	6,410.00	6,370.79	123.26	29.45	50.18	605.86	409.21	4,051.84	3,978.19	73.65	55.016		
11,300.00	7,115.32	6,410.00	6,370.79	126.00	29.45	50.18	605.86	409.21	4,147.15	4,073.43	73.72	56.257		
11,400.00	7,113.88	6,410.00	6,370.79	128.75	29.45	50.18	605.86	409.21	4,242.67	4,168.88	73.79	57.500		
11,500.00	7,112.43	6,410.00	6,370.79	131.50	29.45	50.18	605.86	409.21	4,338.39	4,264.54	73.85	58.746		
11,600.00	7,110.99	6,410.00	6,370.79	134.25	29.45	50.18	605.86	409.21	4,434.31	4,360.39	73.91	59.995		
11,700.00	7,109.55	6,410.00	6,370.79	137.01	29.45	50.18	605.86	409.21	4,530.40	4,456.42	73.97	61.245		
11,800.00	7,108.10	6,410.00	6,370.79	139.77	29.45	50.18	605.86	409.21	4,626.65	4,552.62	74.03	62.497		
11,900.00	7,106.66	6,410.00	6,370.79	142.53	29.45	50.18	605.86	409.21	4,723.06	4,648.98	74.09	63.750		
12,000.00	7,105.22	6,410.00	6,370.79	145.30	29.45	50.18	605.86	409.21	4,819.62	4,745.48	74.14	65.005		
12,100.00	7,103.77	6,410.00	6,370.79	148.06	29.45	50.18	605.86	409.21	4,916.31	4,842.12	74.20	66.260		
12,200.00	7,102.33	6,410.00	6,370.79	150.84	29.45	50.18	605.86	409.21	5,013.14	4,938.89	74.25	67.517		
12,300.00	7,100.89	6,410.00	6,370.79	153.61	29.45	50.18	605.86	409.21	5,110.09	5,035.78	74.30	68.774		
12,400.00	7,099.44	6,410.00	6,370.79	156.39	29.45	50.18	605.86	409.21	5,207.15	5,132.79	74.35	70.031		
12,500.00	7,098.00	6,410.00	6,370.79	159.17	29.45	50.18	605.86	409.21	5,304.32	5,229.91	74.41	71.289		
12,600.00	7,096.56	6,410.00	6,370.79	161.95	29.45	50.18	605.86	409.21	5,401.59	5,327.14	74.46	72.547		
12,700.00	7,095.12	6,410.00	6,370.79	164.73	29.45	50.18	605.86	409.21	5,498.97	5,424.46	74.51	73.804		
12,800.00	7,093.67	6,410.00	6,370.79	167.52	29.45	50.18	605.86	409.21	5,596.43	5,521.87	74.56	75.062		
12,900.00	7,092.23	6,410.00	6,370.79	170.31	29.45	50.18	605.86	409.21	5,693.99	5,619.38	74.61	76.319		
13,000.00	7,090.79	6,410.00	6,370.79	173.09	29.45	50.18	605.86	409.21	5,791.62	5,716.96	74.66	77.575		
13,100.00	7,089.34	6,410.00	6,370.79	175.89	29.45	50.18	605.86	409.21	5,889.34	5,814.63	74.71	78.831		
13,200.00	7,087.90	6,410.00	6,370.79	178.68	29.45	50.18	605.86	409.21	5,987.13	5,912.37	74.76	80.086		
13,300.00	7,086.46	6,410.00	6,370.79	181.47	29.45	50.18	605.86	409.21	6,084.99	6,010.18	74.81	81.341		
13,400.00	7,085.01	6,410.00	6,370.79	184.27	29.45	50.18	605.86	409.21	6,182.92	6,108.06	74.86	82.594		
13,500.00	7,083.57	6,410.00	6,370.79	187.07	29.45	50.18	605.86	409.21	6,280.92	6,206.01	74.91	83.847		
13,600.00	7,082.13	6,410.00	6,370.79	189.86	29.45	50.18	605.86	409.21	6,378.98	6,304.02	74.96	85.098		
13,700.00	7,080.68	6,410.00	6,370.79	192.66	29.45	50.18	605.86	409.21	6,477.10	6,402.09	75.01	86.348		
13,800.00	7,079.24	6,410.00	6,370.79	195.47	29.45	50.18	605.86	409.21	6,575.27	6,500.21	75.06	87.597		
13,900.00	7,077.80	6,410.00	6,370.79	198.27	29.45	50.18	605.86	409.21	6,673.50	6,598.39	75.11	88.844		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	7,076.36	6,410.00	6,370.79	201.07	29.45	50.18	605.86	409.21	6,771.78	6,696.62	75.17	90.090	
14,100.00	7,074.91	6,410.00	6,370.79	203.88	29.45	50.18	605.86	409.21	6,870.11	6,794.89	75.22	91.335	
14,200.00	7,073.47	6,410.00	6,370.79	206.68	29.45	50.18	605.86	409.21	6,968.49	6,893.22	75.27	92.577	
14,300.00	7,072.03	6,410.00	6,370.79	209.49	29.45	50.18	605.86	409.21	7,066.91	6,991.59	75.33	93.818	
14,400.00	7,070.58	6,410.00	6,370.79	212.30	29.45	50.18	605.86	409.21	7,165.38	7,090.00	75.38	95.058	
14,500.00	7,069.14	6,410.00	6,370.79	215.11	29.45	50.18	605.86	409.21	7,263.89	7,188.46	75.43	96.295	
14,600.00	7,067.70	6,410.00	6,370.79	217.92	29.45	50.18	605.86	409.21	7,362.44	7,286.95	75.49	97.531	
14,700.00	7,066.25	6,410.00	6,370.79	220.73	29.45	50.18	605.86	409.21	7,461.03	7,385.48	75.54	98.764	
14,800.00	7,064.81	6,410.00	6,370.79	223.54	29.45	50.18	605.86	409.21	7,559.65	7,484.05	75.60	99.996	
14,900.00	7,063.37	6,410.00	6,370.79	226.35	29.45	50.18	605.86	409.21	7,658.31	7,582.66	75.66	101.226	
15,000.00	7,061.92	6,410.00	6,370.79	229.16	29.45	50.18	605.86	409.21	7,757.01	7,681.30	75.71	102.453	
15,100.00	7,060.48	6,410.00	6,370.79	231.98	29.45	50.18	605.86	409.21	7,855.74	7,779.97	75.77	103.678	
15,200.00	7,059.04	6,410.00	6,370.79	234.79	29.45	50.18	605.86	409.21	7,954.50	7,878.67	75.83	104.902	
15,300.00	7,057.60	6,410.00	6,370.79	237.61	29.45	50.18	605.86	409.21	8,053.29	7,977.40	75.89	106.122	
15,400.00	7,056.15	6,410.00	6,370.79	240.42	29.45	50.18	605.86	409.21	8,152.11	8,076.16	75.95	107.341	
15,500.00	7,054.71	6,410.00	6,370.79	243.24	29.45	50.18	605.86	409.21	8,250.95	8,174.95	76.01	108.557	
15,600.00	7,053.27	6,367.56	6,328.61	246.05	29.29	48.72	605.62	404.61	8,348.79	8,272.79	76.00	109.854	
15,687.75	7,052.00	6,366.66	6,327.71	248.53	29.28	48.69	605.62	404.54	8,435.53	8,359.48	76.05	110.919	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	512.49	512.57					
100.00	100.00	101.13	101.12	3.28	3.30	90.70	-6.27	511.50	511.60	505.02	6.59	77.676		
200.00	200.00	205.77	205.74	3.34	3.38	90.84	-7.43	509.32	509.53	502.81	6.72	75.791		
300.00	300.00	305.00	304.91	3.44	3.51	91.04	-9.19	506.74	506.97	500.01	6.96	72.823		
400.00	399.98	397.42	397.28	3.60	3.68	-22.40	-11.89	505.09	503.63	496.36	7.28	69.209		
500.00	499.84	491.56	491.34	3.79	3.89	-22.22	-15.60	504.84	498.61	490.94	7.68	64.954		
600.00	599.45	589.75	589.40	4.03	4.14	-22.07	-20.65	505.23	491.07	482.91	8.16	60.160		
700.00	698.70	703.29	702.62	4.30	4.47	-21.78	-29.04	504.38	479.30	470.53	8.77	54.631		
800.00	797.47	818.10	816.68	4.61	4.86	-21.22	-40.96	499.28	460.76	451.29	9.47	48.645		
900.00	895.62	909.54	907.14	4.96	5.21	-20.54	-53.35	494.41	438.36	428.22	10.14	43.222		
1,000.00	993.06	1,006.02	1,002.27	5.34	5.61	-19.57	-68.68	489.43	413.25	402.36	10.89	37.948		
1,100.00	1,089.64	1,103.37	1,098.05	5.75	6.04	-18.45	-85.16	483.87	384.68	372.98	11.69	32.902		
1,110.48	1,099.71	1,112.71	1,107.23	5.80	6.09	-18.34	-86.76	483.33	381.51	369.73	11.78	32.385		
1,200.00	1,185.67	1,192.91	1,186.10	6.20	6.46	-17.10	-100.76	479.35	355.09	342.59	12.50	28.416		
1,300.00	1,281.70	1,285.42	1,276.99	6.67	6.91	-15.34	-117.62	475.71	326.90	313.56	13.34	24.497		
1,400.00	1,377.72	1,376.68	1,366.58	7.16	7.37	-13.22	-134.78	472.98	300.06	285.84	14.22	21.106		
1,500.00	1,473.75	1,473.53	1,462.06	7.66	7.85	-11.07	-150.84	471.30	274.41	259.30	15.11	18.161		
1,600.00	1,569.77	1,573.50	1,561.08	8.17	8.33	-9.06	-164.43	469.21	248.10	232.10	16.00	15.506		
1,700.00	1,665.80	1,668.88	1,655.63	8.69	8.78	-6.80	-176.74	466.63	221.36	204.48	16.88	13.110		
1,800.00	1,761.82	1,771.54	1,757.23	9.22	9.29	-3.33	-190.63	462.13	193.74	175.97	17.77	10.902		
1,900.00	1,857.85	1,861.67	1,846.31	9.76	9.75	1.04	-203.57	457.51	166.56	147.87	18.69	8.910		
2,000.00	1,953.87	1,959.98	1,943.38	10.30	10.25	7.74	-218.30	452.60	141.22	121.62	19.60	7.206		
2,100.00	2,049.90	2,052.08	2,034.01	10.84	10.75	17.35	-233.68	447.04	118.66	98.13	20.54	5.778		
2,200.00	2,145.92	2,146.89	2,127.34	11.39	11.26	30.34	-249.86	442.79	102.32	80.88	21.44	4.773		
2,300.00	2,241.94	2,240.86	2,219.81	11.95	11.78	46.08	-266.19	439.41	93.84	71.53	22.31	4.206		
2,326.95	2,267.83	2,265.81	2,244.30	12.10	11.92	50.65	-270.87	438.48	93.38	70.84	22.53	4.144 CC, ES, SF		
2,400.00	2,337.97	2,333.07	2,310.09	12.50	12.31	62.97	-284.60	435.83	96.80	73.67	23.13	4.184		
2,500.00	2,433.99	2,430.65	2,405.48	13.06	12.87	78.00	-304.96	432.93	109.19	85.02	24.17	4.518		
2,600.00	2,530.02	2,524.08	2,496.88	13.63	13.42	88.99	-324.12	430.51	127.02	101.86	25.16	5.048		
2,700.00	2,626.04	2,615.92	2,586.52	14.19	13.97	97.92	-343.40	425.26	150.66	124.52	26.14	5.764		
2,800.00	2,722.07	2,708.32	2,676.46	14.76	14.54	104.86	-363.30	418.04	178.81	151.67	27.14	6.587		
2,900.00	2,818.09	2,805.42	2,771.07	15.32	15.13	110.25	-383.78	410.54	208.50	180.21	28.29	7.370		
3,000.00	2,914.12	2,906.83	2,870.49	15.89	15.72	114.85	-402.45	403.38	237.28	207.78	29.51	8.041		
3,100.00	3,010.14	3,004.48	2,966.55	16.46	16.27	118.32	-419.14	398.06	265.06	234.45	30.61	8.659		
3,200.00	3,106.17	3,106.64	3,067.33	17.03	16.83	121.34	-435.25	393.69	291.89	260.12	31.77	9.187		
3,298.02	3,200.29	3,206.59	3,166.33	17.59	17.35	123.99	-448.74	391.05	316.30	283.42	32.88	9.621		
3,300.00	3,202.19	3,208.33	3,168.05	17.60	17.36	124.04	-448.97	391.01	316.79	283.89	32.89	9.630		
3,400.00	3,298.70	3,295.98	3,254.85	18.16	17.82	126.30	-460.74	387.86	341.95	308.19	33.76	10.128		
3,500.00	3,396.07	3,385.39	3,343.08	18.68	18.31	127.79	-474.45	383.22	367.61	332.99	34.62	10.618		
3,600.00	3,494.17	3,487.28	3,443.45	19.18	18.88	128.61	-491.31	378.27	391.54	355.86	35.68	10.974		
3,700.00	3,592.88	3,586.58	3,541.36	19.64	19.43	128.91	-507.36	374.29	412.43	375.77	36.65	11.252		
3,800.00	3,692.10	3,679.40	3,632.93	20.08	19.94	128.97	-521.80	369.68	431.74	394.26	37.49	11.517		
3,900.00	3,791.69	3,774.04	3,726.09	20.49	20.48	128.58	-537.67	364.53	449.92	411.60	38.33	11.739		
4,000.00	3,891.53	3,869.24	3,819.54	20.88	21.03	127.74	-555.03	359.30	466.81	427.65	39.16	11.921		
4,108.50	4,000.00	3,974.79	3,922.97	21.27	21.66	-119.97	-575.32	353.53	483.52	443.46	40.06	12.070		
4,200.00	4,091.50	4,065.63	4,011.98	21.58	22.21	-121.46	-592.79	348.79	496.75	455.92	40.83	12.167		
4,300.00	4,191.50	4,162.48	4,106.83	21.92	22.79	-122.97	-611.64	343.56	511.83	470.21	41.62	12.298		
4,400.00	4,291.50	4,262.08	4,204.53	22.27	23.38	-124.41	-630.41	338.66	526.50	484.04	42.46	12.401		
4,500.00	4,391.50	4,347.29	4,287.76	22.62	23.90	-125.64	-647.88	333.51	543.32	500.27	43.05	12.622		
4,600.00	4,491.50	4,451.59	4,389.70	22.97	24.54	-127.05	-669.07	327.33	560.25	516.27	43.97	12.740		
4,700.00	4,591.50	4,543.82	4,479.75	23.33	25.11	-128.20	-687.99	321.17	578.17	533.49	44.69	12.938		
4,800.00	4,691.50	4,650.54	4,584.32	23.69	25.76	-129.35	-708.22	314.40	595.04	549.40	45.64	13.037		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,900.00	4,791.50	4,746.61	4,678.41	24.05	26.33	-130.28	-726.45	307.71	612.62	566.20	46.42	13.198		
5,000.00	4,891.50	4,849.26	4,779.32	24.42	26.93	-131.07	-743.76	300.42	629.03	581.74	47.30	13.300		
5,100.00	4,991.50	4,944.92	4,873.02	24.78	27.50	-131.95	-762.01	294.41	646.45	598.39	48.07	13.449		
5,200.00	5,091.50	5,052.91	4,979.00	25.15	28.14	-132.91	-781.93	288.62	662.93	613.91	49.02	13.523		
5,300.00	5,191.50	5,153.28	5,077.65	25.53	28.73	-133.77	-799.90	284.04	678.62	628.75	49.86	13.609		
5,400.00	5,291.50	5,252.03	5,174.69	25.90	29.31	-134.58	-817.64	279.59	694.44	643.75	50.68	13.701		
5,500.00	5,391.50	5,348.78	5,269.76	26.28	29.87	-135.35	-835.10	275.37	710.36	658.88	51.48	13.799		
5,600.00	5,491.50	5,462.84	5,381.82	26.65	30.54	-136.32	-856.00	271.68	725.89	673.40	52.49	13.828		
5,700.00	5,591.50	5,590.26	5,507.69	27.03	31.22	-137.28	-875.64	269.99	738.07	684.47	53.60	13.770		
5,800.00	5,691.50	5,711.91	5,628.59	27.41	31.81	-137.87	-888.94	268.16	747.21	692.64	54.57	13.692		
5,900.00	5,791.50	5,836.21	5,752.61	27.80	32.35	-138.16	-896.82	266.23	752.94	697.44	55.50	13.566		
6,000.00	5,891.50	5,954.46	5,870.80	28.18	32.81	-138.19	-899.70	264.13	755.93	699.59	56.34	13.417		
6,100.00	5,991.50	6,054.03	5,970.35	28.57	33.15	-138.07	-900.06	261.73	757.81	700.70	57.11	13.269		
6,200.00	6,091.50	6,153.48	6,069.75	28.96	33.50	-137.95	-900.43	259.12	759.85	701.97	57.88	13.128		
6,300.00	6,191.50	6,267.41	6,183.65	29.35	33.88	-137.78	-899.83	256.71	760.87	702.20	58.67	12.969		
6,400.00	6,291.50	6,378.98	6,295.22	29.74	34.23	-137.77	-899.11	257.11	760.15	700.72	59.43	12.792		
6,500.00	6,391.50	6,495.91	6,412.11	30.13	34.58	-137.69	-896.37	258.17	757.83	697.68	60.15	12.599		
6,600.00	6,491.50	6,658.78	6,574.29	30.52	35.02	-138.01	-889.43	270.15	749.54	689.01	60.53	12.384		
6,639.95	6,531.45	6,707.79	6,622.71	30.68	35.15	-138.35	-887.83	277.58	744.51	683.79	60.72	12.262		
6,650.00	6,541.50	6,744.99	6,659.11	30.72	35.25	-47.03	-887.19	285.19	742.95	682.48	60.47	12.286		
6,700.00	6,591.41	6,848.48	6,756.75	30.90	35.52	-50.34	-888.37	319.08	730.29	670.40	59.90	12.192		
6,750.00	6,640.95	6,911.78	6,813.66	31.09	35.67	-54.07	-891.60	346.55	714.13	654.24	59.89	11.923		
6,800.00	6,689.82	6,980.19	6,873.45	31.29	35.83	-59.09	-894.85	379.62	695.16	635.45	59.71	11.643		
6,850.00	6,737.71	7,153.24	7,007.42	31.49	36.10	-73.82	-897.04	487.78	670.94	614.51	56.43	11.891		
6,900.00	6,784.33	7,196.02	7,033.79	31.70	36.16	-80.47	-897.62	521.43	645.46	588.51	56.95	11.334		
6,950.00	6,829.39	7,200.32	7,036.45	31.92	36.16	-83.28	-897.68	524.82	621.98	563.39	58.59	10.615		
7,000.00	6,872.61	7,206.31	7,040.00	32.15	36.16	-85.94	-897.78	529.65	601.19	541.13	60.06	10.010		
7,050.00	6,913.73	7,207.82	7,040.89	32.41	36.16	-87.78	-897.80	530.87	583.64	522.17	61.48	9.494		
7,100.00	6,952.49	7,205.19	7,039.33	32.68	36.16	-88.80	-897.76	528.74	569.80	507.04	62.77	9.078		
7,150.00	6,988.66	7,198.75	7,035.52	32.98	36.16	-89.05	-897.66	523.56	559.98	496.10	63.87	8.767		
7,200.00	7,022.01	7,188.82	7,029.59	33.31	36.15	-88.55	-897.50	515.59	554.30	489.56	64.74	8.562		
7,243.86	7,048.78	7,178.06	7,023.11	33.63	36.14	-87.62	-897.34	507.01	552.74	487.43	65.30	8.464		
7,250.00	7,052.33	7,176.51	7,022.16	33.67	36.13	-87.46	-897.31	505.78	552.77	487.40	65.37	8.456		
7,300.00	7,079.44	7,163.39	7,013.96	34.07	36.12	-85.95	-897.15	495.54	555.23	489.46	65.77	8.442		
7,350.00	7,103.17	7,149.56	7,005.00	34.51	36.10	-84.05	-897.01	485.01	561.47	495.48	65.99	8.509		
7,400.00	7,123.38	7,135.16	6,995.34	34.98	36.08	-81.82	-896.90	474.34	571.15	505.07	66.09	8.642		
7,450.00	7,139.94	7,120.32	6,985.03	35.50	36.06	-79.30	-896.82	463.66	583.90	517.77	66.13	8.830		
7,500.00	7,152.75	7,105.13	6,974.12	36.05	36.05	-76.55	-896.79	453.09	599.28	533.11	66.16	9.058		
7,550.00	7,161.73	7,089.00	6,962.15	36.64	36.03	-73.58	-896.80	442.27	616.86	550.64	66.22	9.316		
7,600.00	7,166.82	7,069.66	6,947.35	37.26	35.99	-70.27	-896.78	429.83	636.13	569.87	66.26	9.600		
7,649.14	7,168.00	7,049.81	6,931.69	37.89	35.96	-66.96	-896.61	417.63	656.21	589.86	66.35	9.890		
7,700.00	7,167.27	7,030.25	6,915.83	38.57	35.92	-65.56	-896.29	406.21	678.59	612.10	66.49	10.205		
7,800.00	7,165.83	6,994.00	6,885.34	40.04	35.86	-62.93	-895.34	386.62	728.87	662.08	66.79	10.912		
7,900.00	7,164.38	6,955.57	6,852.09	41.66	35.77	-60.16	-893.85	367.40	786.22	719.26	66.96	11.741		
8,000.00	7,162.94	6,916.47	6,817.81	43.40	35.68	-57.42	-891.87	348.73	849.08	782.02	67.06	12.661		
8,100.00	7,161.50	6,899.00	6,802.34	45.26	35.64	-56.22	-890.84	340.67	916.85	849.28	67.58	13.567		
8,200.00	7,160.05	6,868.61	6,775.09	47.21	35.57	-54.18	-889.20	327.33	988.81	921.07	67.74	14.597		
8,300.00	7,158.61	6,850.93	6,758.99	49.26	35.52	-53.02	-888.46	320.06	1,064.68	996.59	68.09	15.636		
8,400.00	7,157.17	6,834.81	6,744.17	51.38	35.48	-52.00	-887.93	313.74	1,143.65	1,075.26	68.39	16.722		
8,500.00	7,155.73	6,803.00	6,714.55	53.57	35.40	-50.04	-887.27	302.16	1,225.52	1,157.10	68.41	17.913		
8,600.00	7,154.28	6,803.00	6,714.55	55.82	35.40	-50.04	-887.27	302.16	1,308.91	1,240.08	68.84	19.014		
8,700.00	7,152.84	6,803.00	6,714.55	58.12	35.40	-50.04	-887.27	302.16	1,394.50	1,325.32	69.17	20.159		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,151.40	6,803.00	6,714.55	60.47	35.40	-50.04	-887.27	302.16	1,481.89	1,412.44	69.44	21.340		
8,900.00	7,149.95	6,803.00	6,714.55	62.86	35.40	-50.04	-887.27	302.16	1,570.78	1,501.12	69.66	22.550		
9,000.00	7,148.51	6,803.00	6,714.55	65.28	35.40	-50.04	-887.27	302.16	1,660.94	1,591.10	69.83	23.785		
9,100.00	7,147.07	6,764.51	6,677.97	67.74	35.30	-47.80	-887.07	290.22	1,750.30	1,680.59	69.72	25.106		
9,200.00	7,145.62	6,758.20	6,671.89	70.23	35.28	-47.44	-887.09	288.51	1,841.81	1,771.98	69.82	26.378		
9,300.00	7,144.18	6,752.36	6,666.26	72.74	35.27	-47.12	-887.13	287.01	1,934.06	1,864.15	69.92	27.662		
9,400.00	7,142.74	6,746.96	6,661.02	75.28	35.26	-46.82	-887.17	285.67	2,026.98	1,956.98	70.00	28.957		
9,500.00	7,141.29	6,708.00	6,622.92	77.84	35.15	-44.75	-887.82	277.61	2,121.87	2,051.97	69.90	30.354		
9,600.00	7,139.85	6,708.00	6,622.92	80.42	35.15	-44.75	-887.82	277.61	2,215.52	2,145.51	70.01	31.647		
9,700.00	7,138.41	6,708.00	6,622.92	83.01	35.15	-44.75	-887.82	277.61	2,309.70	2,239.60	70.10	32.949		
9,800.00	7,136.97	6,708.00	6,622.92	85.62	35.15	-44.75	-887.82	277.61	2,404.35	2,334.17	70.18	34.261		
9,900.00	7,135.52	6,708.00	6,622.92	88.25	35.15	-44.75	-887.82	277.61	2,499.42	2,429.17	70.25	35.579		
10,000.00	7,134.08	6,708.00	6,622.92	90.89	35.15	-44.75	-887.82	277.61	2,594.86	2,524.54	70.31	36.904		
10,100.00	7,132.64	6,708.00	6,622.92	93.54	35.15	-44.75	-887.82	277.61	2,690.63	2,620.26	70.37	38.235		
10,200.00	7,131.19	6,708.00	6,622.92	96.20	35.15	-44.75	-887.82	277.61	2,786.69	2,716.27	70.42	39.570		
10,300.00	7,129.75	6,708.00	6,622.92	98.87	35.15	-44.75	-887.82	277.61	2,883.03	2,812.55	70.47	40.910		
10,400.00	7,128.31	6,708.00	6,622.92	101.55	35.15	-44.75	-887.82	277.61	2,979.60	2,909.08	70.52	42.252		
10,500.00	7,126.86	6,708.00	6,622.92	104.24	35.15	-44.75	-887.82	277.61	3,076.40	3,005.84	70.56	43.598		
10,600.00	7,125.42	6,708.00	6,622.92	106.94	35.15	-44.75	-887.82	277.61	3,173.39	3,102.79	70.61	44.946		
10,700.00	7,123.98	6,708.00	6,622.92	109.64	35.15	-44.75	-887.82	277.61	3,270.57	3,199.92	70.65	46.295		
10,800.00	7,122.53	6,708.00	6,622.92	112.36	35.15	-44.75	-887.82	277.61	3,367.91	3,297.22	70.68	47.647		
10,900.00	7,121.09	6,708.00	6,622.92	115.08	35.15	-44.75	-887.82	277.61	3,465.40	3,394.67	70.72	48.999		
11,000.00	7,119.65	6,708.00	6,622.92	117.80	35.15	-44.75	-887.82	277.61	3,563.03	3,492.27	70.76	50.353		
11,100.00	7,118.20	6,708.00	6,622.92	120.53	35.15	-44.75	-887.82	277.61	3,660.79	3,589.99	70.80	51.707		
11,200.00	7,116.76	6,672.88	6,588.25	123.26	35.06	-43.02	-888.88	272.10	3,758.01	3,687.20	70.80	53.079		
11,300.00	7,115.32	6,668.99	6,584.40	126.00	35.05	-42.84	-889.03	271.55	3,855.84	3,785.00	70.84	54.432		
11,400.00	7,113.88	6,665.24	6,580.69	128.75	35.04	-42.66	-889.17	271.03	3,953.77	3,882.90	70.88	55.785		
11,500.00	7,112.43	6,661.62	6,577.11	131.50	35.03	-42.49	-889.32	270.54	4,051.79	3,980.88	70.91	57.137		
11,600.00	7,110.99	6,658.13	6,573.65	134.25	35.02	-42.33	-889.46	270.07	4,149.89	4,078.94	70.95	58.488		
11,700.00	7,109.55	6,654.75	6,570.31	137.01	35.01	-42.18	-889.60	269.63	4,248.07	4,177.07	70.99	59.838		
11,800.00	7,108.10	6,651.49	6,567.08	139.77	35.01	-42.03	-889.74	269.21	4,346.31	4,275.28	71.03	61.187		
11,900.00	7,106.66	6,648.34	6,563.95	142.53	35.00	-41.89	-889.88	268.81	4,444.63	4,373.55	71.08	62.534		
12,000.00	7,105.22	6,613.00	6,528.88	145.30	34.90	-40.36	-891.68	264.87	4,543.54	4,472.43	71.11	63.897		
12,100.00	7,103.77	6,613.00	6,528.88	148.06	34.90	-40.36	-891.68	264.87	4,641.88	4,570.73	71.15	65.238		
12,200.00	7,102.33	6,613.00	6,528.88	150.84	34.90	-40.36	-891.68	264.87	4,740.30	4,669.10	71.20	66.579		
12,300.00	7,100.89	6,613.00	6,528.88	153.61	34.90	-40.36	-891.68	264.87	4,838.78	4,767.53	71.24	67.917		
12,400.00	7,099.44	6,613.00	6,528.88	156.39	34.90	-40.36	-891.68	264.87	4,937.32	4,866.03	71.29	69.255		
12,500.00	7,098.00	6,613.00	6,528.88	159.17	34.90	-40.36	-891.68	264.87	5,035.92	4,964.58	71.34	70.591		
12,600.00	7,096.56	6,613.00	6,528.88	161.95	34.90	-40.36	-891.68	264.87	5,134.57	5,063.18	71.39	71.925		
12,700.00	7,095.12	6,613.00	6,528.88	164.73	34.90	-40.36	-891.68	264.87	5,233.27	5,161.84	71.44	73.258		
12,800.00	7,093.67	6,613.00	6,528.88	167.52	34.90	-40.36	-891.68	264.87	5,332.03	5,260.54	71.49	74.589		
12,900.00	7,092.23	6,613.00	6,528.88	170.31	34.90	-40.36	-891.68	264.87	5,430.82	5,359.29	71.54	75.918		
13,000.00	7,090.79	6,613.00	6,528.88	173.09	34.90	-40.36	-891.68	264.87	5,529.67	5,458.08	71.59	77.245		
13,100.00	7,089.34	6,613.00	6,528.88	175.89	34.90	-40.36	-891.68	264.87	5,628.55	5,556.91	71.64	78.570		
13,200.00	7,087.90	6,613.00	6,528.88	178.68	34.90	-40.36	-891.68	264.87	5,727.47	5,655.78	71.69	79.892		
13,300.00	7,086.46	6,613.00	6,528.88	181.47	34.90	-40.36	-891.68	264.87	5,826.43	5,754.68	71.74	81.213		
13,400.00	7,085.01	6,613.00	6,528.88	184.27	34.90	-40.36	-891.68	264.87	5,925.42	5,853.62	71.80	82.531		
13,500.00	7,083.57	6,613.00	6,528.88	187.07	34.90	-40.36	-891.68	264.87	6,024.44	5,952.59	71.85	83.846		
13,600.00	7,082.13	6,613.00	6,528.88	189.86	34.90	-40.36	-891.68	264.87	6,123.50	6,051.60	71.91	85.160		
13,700.00	7,080.68	6,613.00	6,528.88	192.66	34.90	-40.36	-891.68	264.87	6,222.59	6,150.63	71.96	86.470		
13,800.00	7,079.24	6,613.00	6,528.88	195.47	34.90	-40.36	-891.68	264.87	6,321.71	6,249.69	72.02	87.778		
13,900.00	7,077.80	6,613.00	6,528.88	198.27	34.90	-40.36	-891.68	264.87	6,420.85	6,348.77	72.08	89.083		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,076.36	6,613.00	6,528.88	201.07	34.90	-40.36	-891.68	264.87	6,520.02	6,447.88	72.14	90.386		
14,100.00	7,074.91	6,613.00	6,528.88	203.88	34.90	-40.36	-891.68	264.87	6,619.22	6,547.02	72.19	91.685		
14,200.00	7,073.47	6,613.00	6,528.88	206.68	34.90	-40.36	-891.68	264.87	6,718.43	6,646.18	72.25	92.982		
14,300.00	7,072.03	6,613.00	6,528.88	209.49	34.90	-40.36	-891.68	264.87	6,817.68	6,745.36	72.32	94.276		
14,400.00	7,070.58	6,613.00	6,528.88	212.30	34.90	-40.36	-891.68	264.87	6,916.94	6,844.56	72.38	95.567		
14,500.00	7,069.14	6,613.00	6,528.88	215.11	34.90	-40.36	-891.68	264.87	7,016.22	6,943.78	72.44	96.855		
14,600.00	7,067.70	6,613.00	6,528.88	217.92	34.90	-40.36	-891.68	264.87	7,115.53	7,043.02	72.50	98.140		
14,700.00	7,066.25	6,613.00	6,528.88	220.73	34.90	-40.36	-891.68	264.87	7,214.85	7,142.28	72.57	99.422		
14,800.00	7,064.81	6,613.00	6,528.88	223.54	34.90	-40.36	-891.68	264.87	7,314.19	7,241.56	72.63	100.700		
14,900.00	7,063.37	6,613.00	6,528.88	226.35	34.90	-40.36	-891.68	264.87	7,413.55	7,340.85	72.70	101.975		
15,000.00	7,061.92	6,613.00	6,528.88	229.16	34.90	-40.36	-891.68	264.87	7,512.93	7,440.16	72.77	103.248		
15,100.00	7,060.48	6,613.00	6,528.88	231.98	34.90	-40.36	-891.68	264.87	7,612.32	7,539.49	72.83	104.516		
15,200.00	7,059.04	6,613.00	6,528.88	234.79	34.90	-40.36	-891.68	264.87	7,711.73	7,638.83	72.90	105.782		
15,300.00	7,057.60	6,613.00	6,528.88	237.61	34.90	-40.36	-891.68	264.87	7,811.16	7,738.18	72.97	107.044		
15,400.00	7,056.15	6,613.00	6,528.88	240.42	34.90	-40.36	-891.68	264.87	7,910.59	7,837.55	73.04	108.303		
15,500.00	7,054.71	6,613.00	6,528.88	243.24	34.90	-40.36	-891.68	264.87	8,010.05	7,936.93	73.11	109.558		
15,600.00	7,053.27	6,573.82	6,489.89	246.05	34.80	-38.79	-893.68	261.58	8,108.88	8,035.69	73.19	110.786		
15,687.75	7,052.00	6,572.70	6,488.78	248.53	34.79	-38.74	-893.73	261.51	8,196.14	8,122.88	73.26	111.880		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	84.06	53.93	518.33	521.18					
100.00	100.00	97.33	97.32	3.28	3.30	84.07	53.75	517.59	520.40	513.81	6.58	79.053		
200.00	200.00	197.25	197.24	3.34	3.37	84.11	53.30	516.88	519.64	512.93	6.71	77.460		
300.00	300.00	300.31	300.29	3.44	3.50	84.12	53.13	515.81	518.59	511.64	6.95	74.627		
400.00	399.98	405.37	405.34	3.60	3.69	-29.69	53.11	513.82	515.19	507.90	7.29	70.651		
500.00	499.84	501.41	501.36	3.79	3.90	-30.08	53.32	511.74	508.52	500.82	7.70	66.072		
600.00	599.45	596.24	596.18	4.03	4.14	-30.62	52.98	510.62	499.79	491.61	8.17	61.168		
700.00	698.70	696.90	696.82	4.30	4.42	-31.35	51.77	509.93	488.49	479.76	8.72	55.991		
800.00	797.47	801.66	801.55	4.61	4.74	-32.28	49.32	508.49	473.48	464.14	9.35	50.644		
900.00	895.62	891.93	891.79	4.96	5.03	-33.45	47.57	507.46	455.96	445.99	9.97	45.722		
1,000.00	993.06	984.16	984.02	5.34	5.34	-35.09	46.79	507.49	437.10	426.46	10.64	41.094		
1,100.00	1,089.64	1,077.75	1,077.61	5.75	5.64	-37.26	46.67	508.31	416.78	405.45	11.34	36.767		
1,110.48	1,099.71	1,087.58	1,087.44	5.80	5.68	-37.52	46.69	508.43	414.57	403.15	11.41	36.318		
1,200.00	1,185.67	1,171.74	1,171.59	6.20	5.96	-39.59	46.73	509.75	396.08	384.01	12.07	32.812		
1,300.00	1,281.70	1,268.93	1,268.75	6.67	6.30	-42.25	46.98	511.40	376.32	363.47	12.85	29.289		
1,400.00	1,377.72	1,366.29	1,366.10	7.16	6.65	-45.32	47.87	512.58	357.21	343.56	13.66	26.153		
1,500.00	1,473.75	1,463.45	1,463.26	7.66	7.00	-48.78	49.08	513.29	338.93	324.43	14.50	23.373		
1,600.00	1,569.77	1,559.56	1,559.35	8.17	7.36	-52.67	50.72	513.58	321.85	306.47	15.37	20.937		
1,700.00	1,665.80	1,655.70	1,655.47	8.69	7.73	-56.96	52.43	513.79	306.41	290.14	16.27	18.830		
1,800.00	1,761.82	1,752.24	1,752.00	9.22	8.10	-61.73	54.27	513.73	292.80	275.60	17.20	17.022		
1,900.00	1,857.85	1,847.63	1,847.37	9.76	8.48	-66.85	56.08	513.53	281.37	263.22	18.15	15.505		
2,000.00	1,953.87	1,943.16	1,942.88	10.30	8.86	-72.34	58.07	513.36	272.67	253.56	19.11	14.272		
2,100.00	2,049.90	2,035.49	2,035.12	10.84	9.23	-78.33	61.60	511.86	267.40	247.34	20.06	13.332		
2,175.26	2,122.16	2,107.65	2,107.04	11.26	9.52	-83.73	66.47	508.44	266.45	245.68	20.78	12.825 CC		
2,200.00	2,145.92	2,131.64	2,130.91	11.39	9.62	-85.62	68.18	506.82	266.56	245.55	21.01	12.687 ES		
2,300.00	2,241.94	2,232.95	2,231.59	11.95	10.04	-93.90	74.62	497.67	268.77	246.81	21.96	12.239		
2,400.00	2,337.97	2,327.66	2,325.67	12.50	10.44	-101.59	78.83	487.68	274.27	251.44	22.83	12.013		
2,500.00	2,433.99	2,419.86	2,417.39	13.06	10.83	-108.51	82.44	478.97	284.55	260.92	23.64	12.039		
2,600.00	2,530.02	2,512.99	2,510.13	13.63	11.23	-114.78	86.13	471.24	299.23	274.82	24.41	12.257		
2,700.00	2,626.04	2,605.83	2,602.61	14.19	11.63	-120.38	89.81	463.94	317.40	292.24	25.17	12.613		
2,800.00	2,722.07	2,700.61	2,697.00	14.76	12.04	-125.57	93.39	456.09	338.43	312.50	25.93	13.053		
2,900.00	2,818.09	2,785.60	2,781.57	15.32	12.42	-129.77	96.94	448.52	362.48	335.92	26.56	13.646		
3,000.00	2,914.12	2,877.86	2,873.20	15.89	12.83	-133.90	102.09	439.06	390.29	363.00	27.29	14.302		
3,100.00	3,010.14	2,966.40	2,961.17	16.46	13.23	-137.34	106.92	430.31	419.63	391.65	27.97	15.001		
3,200.00	3,106.17	3,059.46	3,053.61	17.03	13.65	-140.35	113.40	421.75	451.25	422.51	28.74	15.701		
3,298.02	3,200.29	3,154.30	3,147.91	17.59	14.08	-143.02	119.17	413.46	482.32	452.77	29.56	16.319		
3,300.00	3,202.19	3,156.20	3,149.79	17.60	14.09	-143.08	119.28	413.29	482.95	453.38	29.57	16.331		
3,400.00	3,298.70	3,248.95	3,242.06	18.16	14.51	-145.62	124.63	405.45	513.69	483.34	30.34	16.928		
3,500.00	3,396.07	3,344.23	3,336.86	18.68	14.94	-147.55	131.14	398.48	542.42	511.27	31.15	17.414		
3,600.00	3,494.17	3,442.51	3,434.69	19.18	15.39	-149.07	137.72	391.79	568.25	536.27	31.99	17.764		
3,700.00	3,592.88	3,542.28	3,534.05	19.64	15.84	-150.27	144.06	385.25	590.96	558.12	32.84	17.996		
3,800.00	3,692.10	3,640.97	3,632.35	20.08	16.28	-151.17	150.08	379.07	610.44	576.78	33.66	18.134		
3,900.00	3,791.69	3,740.00	3,734.38	20.49	16.74	-151.92	156.13	372.37	626.29	591.01	35.29	17.749		
4,000.00	3,891.53	3,863.83	3,854.68	20.88	17.27	-152.55	158.21	366.86	635.66	600.07	35.59	17.861		
4,108.50	4,000.00	3,975.75	3,966.43	21.27	17.77	-39.31	160.52	361.17	642.73	606.23	36.50	17.611		
4,200.00	4,091.50	4,095.84	4,086.49	21.58	18.27	-39.28	162.43	360.02	644.39	606.90	37.49	17.190		
4,300.00	4,191.50	4,203.28	4,193.91	21.92	18.70	-39.31	161.07	360.77	642.93	604.61	38.32	16.779		
4,400.00	4,291.50	4,304.52	4,295.14	22.27	19.10	-39.38	159.45	361.05	641.51	602.41	39.10	16.407		
4,500.00	4,391.50	4,403.93	4,394.53	22.62	19.49	-39.41	157.91	361.86	639.80	599.93	39.88	16.045		
4,600.00	4,491.50	4,500.79	4,491.37	22.97	19.88	-39.23	158.16	364.20	638.47	597.82	40.64	15.710		
4,684.16	4,575.66	4,578.11	4,568.66	23.27	20.19	-39.09	158.82	365.78	637.94	596.69	41.26	15.463		
4,700.00	4,591.50	4,592.39	4,582.94	23.33	20.25	-39.06	159.03	366.02	637.96	596.59	41.37	15.421		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,800.00	4,691.50	4,686.78	4,677.31	23.69	20.64	-38.86	160.98	367.26	638.74	596.61	42.13	15.163		
4,900.00	4,791.50	4,783.55	4,774.04	24.05	21.04	-38.67	163.40	368.11	640.14	597.23	42.91	14.919		
5,000.00	4,891.50	4,887.96	4,878.42	24.42	21.48	-38.48	165.85	368.79	641.57	597.80	43.76	14.661		
5,100.00	4,991.50	4,992.67	4,983.13	24.78	21.92	-38.44	166.59	368.78	642.13	597.51	44.61	14.393		
5,200.00	5,091.50	5,086.91	5,077.35	25.15	22.32	-38.55	166.32	367.50	642.75	597.38	45.37	14.166		
5,300.00	5,191.50	5,184.12	5,174.54	25.53	22.73	-38.65	166.60	365.76	644.09	597.93	46.17	13.952		
5,400.00	5,291.50	5,282.18	5,272.58	25.90	23.15	-38.76	167.16	363.79	645.79	598.82	46.97	13.750		
5,500.00	5,391.50	5,380.92	5,371.30	26.28	23.58	-38.85	168.04	361.75	647.78	600.00	47.78	13.558		
5,600.00	5,491.50	5,497.83	5,488.19	26.65	24.07	-38.99	167.37	360.19	648.12	599.38	48.74	13.297		
5,700.00	5,591.50	5,594.44	5,584.79	27.03	24.47	-39.11	166.31	359.38	647.79	598.27	49.53	13.079		
5,706.85	5,598.35	5,601.00	5,591.35	27.06	24.49	-39.11	166.27	359.33	647.79	598.21	49.58	13.065		
5,800.00	5,691.50	5,689.61	5,679.95	27.41	24.87	-39.18	166.00	358.56	648.09	597.78	50.31	12.882		
5,900.00	5,791.50	5,788.94	5,779.28	27.80	25.29	-39.23	166.47	357.42	649.18	598.05	51.13	12.696		
6,000.00	5,891.50	5,894.95	5,885.29	28.18	25.73	-39.22	166.54	357.63	649.08	597.07	52.00	12.482		
6,011.12	5,902.62	5,905.28	5,895.62	28.22	25.77	-39.21	166.58	357.69	649.07	596.98	52.09	12.461		
6,100.00	5,991.50	5,987.79	5,978.13	28.57	26.12	-39.15	167.33	357.98	649.50	596.74	52.76	12.309		
6,200.00	6,091.50	6,088.79	6,079.11	28.96	26.54	-39.06	168.93	357.88	650.79	597.19	53.60	12.141		
6,300.00	6,191.50	6,188.56	6,178.87	29.35	26.97	-39.00	169.68	358.22	651.16	596.73	54.43	11.963		
6,400.00	6,291.50	6,328.38	6,318.54	29.74	27.55	-38.60	171.72	362.44	650.98	595.47	55.51	11.727		
6,500.00	6,391.50	6,543.87	6,524.98	30.13	28.33	-34.28	171.65	421.66	630.67	574.69	55.98	11.265		
6,600.00	6,491.50	6,700.15	6,663.28	30.52	28.92	-28.27	173.07	494.09	605.39	549.16	56.23	10.767		
6,639.95	6,531.45	6,776.13	6,726.45	30.68	29.27	-24.59	170.27	536.12	592.65	536.62	56.03	10.577		
6,650.00	6,541.50	6,793.61	6,740.24	30.72	29.35	68.56	169.52	546.85	589.16	533.14	56.01	10.519		
6,700.00	6,591.41	6,846.78	6,780.61	30.90	29.64	73.77	167.12	581.35	570.84	514.19	56.64	10.078		
6,750.00	6,640.95	6,887.94	6,810.56	31.09	29.88	78.79	165.30	609.52	552.59	495.03	57.56	9.600		
6,800.00	6,689.82	6,919.41	6,832.60	31.29	30.09	83.29	164.02	631.95	535.65	476.96	58.69	9.127		
6,850.00	6,737.71	6,942.41	6,848.02	31.49	30.25	86.96	163.30	649.00	521.25	461.37	59.88	8.705		
6,900.00	6,784.33	6,958.81	6,858.65	31.70	30.37	89.71	162.92	661.48	510.40	449.43	60.97	8.372		
6,950.00	6,829.39	6,969.68	6,865.52	31.92	30.45	91.51	162.72	669.90	503.89	442.07	61.82	8.151		
6,991.55	6,865.45	6,975.18	6,868.94	32.11	30.49	92.28	162.63	674.21	502.15	439.87	62.29	8.062		
7,000.00	6,872.61	6,975.95	6,869.42	32.15	30.50	92.36	162.62	674.81	502.23	439.88	62.35	8.055 SF		
7,050.00	6,913.73	6,978.40	6,870.93	32.41	30.51	92.33	162.59	676.73	505.63	443.12	62.52	8.088		
7,100.00	6,952.49	6,977.65	6,870.47	32.68	30.51	91.48	162.60	676.15	514.05	451.71	62.34	8.246		
7,150.00	6,988.66	6,974.24	6,868.36	32.98	30.48	89.87	162.65	673.46	527.18	465.28	61.89	8.517		
7,200.00	7,022.01	6,968.58	6,864.83	33.31	30.44	87.57	162.74	669.04	544.53	483.25	61.27	8.887		
7,250.00	7,052.33	6,961.02	6,860.06	33.67	30.39	84.66	162.87	663.18	565.50	504.92	60.58	9.335		
7,300.00	7,079.44	6,951.86	6,854.18	34.07	30.32	81.24	163.07	656.15	589.48	529.58	59.90	9.842		
7,350.00	7,103.17	6,941.32	6,847.30	34.51	30.25	77.43	163.33	648.17	615.83	556.54	59.29	10.387		
7,400.00	7,123.38	6,929.60	6,839.50	34.98	30.16	73.35	163.68	639.43	643.96	585.16	58.80	10.952		
7,450.00	7,139.94	6,916.86	6,830.85	35.50	30.07	69.13	164.11	630.10	673.35	614.90	58.45	11.520		
7,500.00	7,152.75	6,899.00	6,818.41	36.05	29.94	64.59	164.82	617.30	703.56	645.47	58.10	12.110		
7,550.00	7,161.73	6,885.83	6,809.06	36.64	29.87	60.60	165.40	608.05	734.06	675.99	58.07	12.640		
7,600.00	7,166.82	6,866.09	6,794.81	37.26	29.75	56.46	166.26	594.41	764.44	706.44	57.99	13.182		
7,649.14	7,168.00	6,845.77	6,779.86	37.89	29.64	52.70	167.16	580.68	793.81	735.79	58.03	13.680		
7,700.00	7,167.27	6,824.80	6,764.15	38.57	29.52	51.69	168.10	566.82	824.47	766.34	58.12	14.185		
7,800.00	7,165.83	6,804.00	6,748.29	40.04	29.40	50.70	169.05	553.40	888.23	829.35	58.89	15.084		
7,900.00	7,164.38	6,760.54	6,713.91	41.66	29.20	48.65	170.91	526.89	955.68	896.69	58.99	16.200		
8,000.00	7,162.94	6,734.99	6,692.87	43.40	29.08	47.44	171.89	512.43	1,027.10	967.59	59.51	17.259		
8,100.00	7,161.50	6,709.00	6,670.88	45.26	28.96	46.23	172.80	498.62	1,101.75	1,041.81	59.94	18.380		
8,200.00	7,160.05	6,670.03	6,637.27	47.21	28.80	44.45	173.59	478.91	1,178.75	1,118.70	60.05	19.629		
8,300.00	7,158.61	6,627.17	6,599.87	49.26	28.63	42.53	173.27	457.98	1,257.22	1,197.16	60.06	20.932		
8,400.00	7,157.17	6,614.00	6,588.29	51.38	28.58	41.95	172.93	451.71	1,337.36	1,276.77	60.60	22.070		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,500.00	7,155.73	6,614.00	6,588.29	53.57	28.58	41.95	172.93	451.71	1,419.96	1,358.70	61.25	23.181		
8,600.00	7,154.28	6,573.06	6,551.69	55.82	28.43	40.20	171.97	433.40	1,502.89	1,441.67	61.22	24.549		
8,700.00	7,152.84	6,559.94	6,539.75	58.12	28.39	39.66	171.79	427.99	1,588.11	1,526.54	61.57	25.795		
8,800.00	7,151.40	6,519.00	6,501.84	60.47	28.24	38.04	171.62	412.54	1,675.50	1,613.98	61.52	27.235		
8,900.00	7,149.95	6,519.00	6,501.84	62.86	28.24	38.04	171.62	412.54	1,762.65	1,700.69	61.96	28.448		
9,000.00	7,148.51	6,519.00	6,501.84	65.28	28.24	38.04	171.62	412.54	1,851.11	1,788.77	62.34	29.696		
9,100.00	7,147.07	6,519.00	6,501.84	67.74	28.24	38.04	171.62	412.54	1,940.68	1,878.03	62.66	30.972		
9,200.00	7,145.62	6,496.49	6,480.71	70.23	28.16	37.20	171.69	404.78	2,030.98	1,968.23	62.74	32.369		
9,300.00	7,144.18	6,479.70	6,464.89	72.74	28.10	36.58	171.75	399.16	2,121.87	2,059.00	62.87	33.751		
9,400.00	7,142.74	6,463.70	6,449.76	75.28	28.04	36.01	171.81	393.94	2,213.29	2,150.30	62.99	35.138		
9,500.00	7,141.29	6,448.43	6,435.29	77.84	27.99	35.48	171.88	389.07	2,305.19	2,242.09	63.10	36.532		
9,600.00	7,139.85	6,424.00	6,412.05	80.42	27.90	34.66	171.99	381.54	2,397.59	2,334.45	63.14	37.971		
9,700.00	7,138.41	6,424.00	6,412.05	83.01	27.90	34.66	171.99	381.54	2,490.31	2,426.97	63.34	39.319		
9,800.00	7,136.97	6,424.00	6,412.05	85.62	27.90	34.66	171.99	381.54	2,583.57	2,520.06	63.51	40.679		
9,900.00	7,135.52	6,424.00	6,412.05	88.25	27.90	34.66	171.99	381.54	2,677.32	2,613.65	63.67	42.052		
10,000.00	7,134.08	6,424.00	6,412.05	90.89	27.90	34.66	171.99	381.54	2,771.50	2,707.69	63.81	43.434		
10,100.00	7,132.64	6,424.00	6,412.05	93.54	27.90	34.66	171.99	381.54	2,866.08	2,802.14	63.94	44.826		
10,200.00	7,131.19	6,424.00	6,412.05	96.20	27.90	34.66	171.99	381.54	2,961.02	2,896.96	64.06	46.225		
10,300.00	7,129.75	6,424.00	6,412.05	98.87	27.90	34.66	171.99	381.54	3,056.28	2,992.11	64.17	47.631		
10,400.00	7,128.31	6,424.00	6,412.05	101.55	27.90	34.66	171.99	381.54	3,151.83	3,087.56	64.27	49.043		
10,500.00	7,126.86	6,424.00	6,412.05	104.24	27.90	34.66	171.99	381.54	3,247.65	3,183.29	64.36	50.461		
10,600.00	7,125.42	6,424.00	6,412.05	106.94	27.90	34.66	171.99	381.54	3,343.71	3,279.27	64.45	51.882		
10,700.00	7,123.98	6,424.00	6,412.05	109.64	27.90	34.66	171.99	381.54	3,440.00	3,375.47	64.53	53.308		
10,800.00	7,122.53	6,382.38	6,371.86	112.36	27.75	33.31	172.05	370.80	3,534.40	3,469.92	64.47	54.819		
10,900.00	7,121.09	6,379.80	6,369.33	115.08	27.74	33.22	172.04	370.25	3,630.82	3,566.27	64.55	56.251		
11,000.00	7,119.65	6,377.34	6,366.92	117.80	27.73	33.15	172.04	369.75	3,727.41	3,662.80	64.62	57.684		
11,100.00	7,118.20	6,374.99	6,364.62	120.53	27.72	33.07	172.03	369.28	3,824.17	3,759.48	64.69	59.120		
11,200.00	7,116.76	6,372.75	6,362.43	123.26	27.71	33.00	172.02	368.84	3,921.08	3,856.33	64.75	60.556		
11,300.00	7,115.32	6,329.00	6,319.16	126.00	27.55	31.64	171.73	362.50	4,020.20	3,955.51	64.69	62.144		
11,400.00	7,113.88	6,329.00	6,319.16	128.75	27.55	31.64	171.73	362.50	4,117.18	4,052.41	64.76	63.571		
11,500.00	7,112.43	6,329.00	6,319.16	131.50	27.55	31.64	171.73	362.50	4,214.29	4,149.46	64.84	65.000		
11,600.00	7,110.99	6,329.00	6,319.16	134.25	27.55	31.64	171.73	362.50	4,311.54	4,246.64	64.90	66.429		
11,700.00	7,109.55	6,329.00	6,319.16	137.01	27.55	31.64	171.73	362.50	4,408.91	4,343.94	64.97	67.859		
11,800.00	7,108.10	6,329.00	6,319.16	139.77	27.55	31.64	171.73	362.50	4,506.40	4,441.36	65.04	69.290		
11,900.00	7,106.66	6,329.00	6,319.16	142.53	27.55	31.64	171.73	362.50	4,604.00	4,538.89	65.10	70.720		
12,000.00	7,105.22	6,329.00	6,319.16	145.30	27.55	31.64	171.73	362.50	4,701.69	4,636.53	65.16	72.151		
12,100.00	7,103.77	6,329.00	6,319.16	148.06	27.55	31.64	171.73	362.50	4,799.48	4,734.25	65.23	73.581		
12,200.00	7,102.33	6,329.00	6,319.16	150.84	27.55	31.64	171.73	362.50	4,897.36	4,832.07	65.29	75.010		
12,300.00	7,100.89	6,329.00	6,319.16	153.61	27.55	31.64	171.73	362.50	4,995.33	4,929.97	65.35	76.439		
12,400.00	7,099.44	6,329.00	6,319.16	156.39	27.55	31.64	171.73	362.50	5,093.37	5,027.96	65.41	77.867		
12,500.00	7,098.00	6,329.00	6,319.16	159.17	27.55	31.64	171.73	362.50	5,191.49	5,126.01	65.47	79.294		
12,600.00	7,096.56	6,329.00	6,319.16	161.95	27.55	31.64	171.73	362.50	5,289.67	5,224.14	65.53	80.719		
12,700.00	7,095.12	6,329.00	6,319.16	164.73	27.55	31.64	171.73	362.50	5,387.93	5,322.34	65.59	82.144		
12,800.00	7,093.67	6,329.00	6,319.16	167.52	27.55	31.64	171.73	362.50	5,486.25	5,420.59	65.65	83.566		
12,900.00	7,092.23	6,329.00	6,319.16	170.31	27.55	31.64	171.73	362.50	5,584.62	5,518.91	65.71	84.987		
13,000.00	7,090.79	6,329.00	6,319.16	173.09	27.55	31.64	171.73	362.50	5,683.06	5,617.29	65.77	86.406		
13,100.00	7,089.34	6,329.00	6,319.16	175.89	27.55	31.64	171.73	362.50	5,781.55	5,715.71	65.83	87.823		
13,200.00	7,087.90	6,329.00	6,319.16	178.68	27.55	31.64	171.73	362.50	5,880.08	5,814.19	65.89	89.239		
13,300.00	7,086.46	6,329.00	6,319.16	181.47	27.55	31.64	171.73	362.50	5,978.67	5,912.72	65.95	90.652		
13,400.00	7,085.01	6,329.00	6,319.16	184.27	27.55	31.64	171.73	362.50	6,077.31	6,011.29	66.01	92.062		
13,500.00	7,083.57	6,329.00	6,319.16	187.07	27.55	31.64	171.73	362.50	6,175.98	6,109.91	66.07	93.471		
13,600.00	7,082.13	6,329.00	6,319.16	189.86	27.55	31.64	171.73	362.50	6,274.70	6,208.57	66.14	94.876		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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							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)						
13,700.00	7,080.68	6,329.00	6,319.16	192.66	27.55	31.64	171.73	362.50	6,373.46	6,307.26	66.20	96.280					
13,800.00	7,079.24	6,329.00	6,319.16	195.47	27.55	31.64	171.73	362.50	6,472.26	6,406.00	66.26	97.680					
13,900.00	7,077.80	6,329.00	6,319.16	198.27	27.55	31.64	171.73	362.50	6,571.09	6,504.77	66.32	99.078					
14,000.00	7,076.36	6,329.00	6,319.16	201.07	27.55	31.64	171.73	362.50	6,669.96	6,603.58	66.39	100.473					
14,100.00	7,074.91	6,329.00	6,319.16	203.88	27.55	31.64	171.73	362.50	6,768.86	6,702.41	66.45	101.866					
14,200.00	7,073.47	6,329.00	6,319.16	206.68	27.55	31.64	171.73	362.50	6,867.80	6,801.28	66.51	103.255					
14,300.00	7,072.03	6,329.00	6,319.16	209.49	27.55	31.64	171.73	362.50	6,966.76	6,900.18	66.58	104.641					
14,400.00	7,070.58	6,329.00	6,319.16	212.30	27.55	31.64	171.73	362.50	7,065.75	6,999.11	66.64	106.024					
14,500.00	7,069.14	6,329.00	6,319.16	215.11	27.55	31.64	171.73	362.50	7,164.78	7,098.07	66.71	107.404					
14,600.00	7,067.70	6,329.00	6,319.16	217.92	27.55	31.64	171.73	362.50	7,263.82	7,197.05	66.78	108.781					
14,700.00	7,066.25	6,329.00	6,319.16	220.73	27.55	31.64	171.73	362.50	7,362.90	7,296.06	66.84	110.154					
14,800.00	7,064.81	6,329.00	6,319.16	223.54	27.55	31.64	171.73	362.50	7,462.00	7,395.09	66.91	111.524					
14,900.00	7,063.37	6,329.00	6,319.16	226.35	27.55	31.64	171.73	362.50	7,561.12	7,494.14	66.98	112.890					
15,000.00	7,061.92	6,329.00	6,319.16	229.16	27.55	31.64	171.73	362.50	7,660.26	7,593.22	67.05	114.254					
15,100.00	7,060.48	6,329.00	6,319.16	231.98	27.55	31.64	171.73	362.50	7,759.43	7,692.31	67.12	115.613					
15,200.00	7,059.04	6,329.00	6,319.16	234.79	27.55	31.64	171.73	362.50	7,858.62	7,791.43	67.19	116.969					
15,300.00	7,057.60	6,329.00	6,319.16	237.61	27.55	31.64	171.73	362.50	7,957.83	7,890.57	67.26	118.322					
15,400.00	7,056.15	6,329.00	6,319.16	240.42	27.55	31.64	171.73	362.50	8,057.05	7,989.73	67.33	119.670					
15,500.00	7,054.71	6,329.00	6,319.16	243.24	27.55	31.64	171.73	362.50	8,156.30	8,088.90	67.40	121.015					
15,600.00	7,053.27	6,329.00	6,319.16	246.05	27.55	31.64	171.73	362.50	8,255.57	8,188.10	67.47	122.357					
15,687.75	7,052.00	6,329.00	6,319.16	248.53	27.55	31.64	171.73	362.50	8,342.69	8,275.15	67.54	123.531					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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-MWDD													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	-73.53	271.79	-919.46	958.82					
100.00	100.00	88.10	88.10	3.28	0.30	-73.56	271.39	-919.80	959.02	955.43	3.59	267.311		
200.00	200.00	183.17	183.16	3.34	0.72	-73.61	270.77	-920.77	959.81	955.75	4.06	236.475		
300.00	300.00	279.99	279.97	3.44	1.15	-73.69	269.85	-922.26	961.02	956.43	4.59	209.225		
400.00	399.98	381.66	381.62	3.60	1.59	172.58	268.85	-924.01	964.12	958.93	5.19	185.659		
500.00	499.84	484.26	484.17	3.79	2.05	172.45	266.60	-925.70	970.28	964.44	5.84	166.113		
600.00	599.45	590.98	590.81	4.03	2.52	172.25	262.78	-927.50	979.56	973.01	6.55	149.549		
700.00	698.70	694.42	694.11	4.30	2.98	172.00	257.57	-928.87	991.53	984.24	7.28	136.119		
800.00	797.47	794.14	793.59	4.61	3.43	171.68	250.83	-930.45	1,006.73	998.69	8.04	125.228		
900.00	895.62	889.70	888.81	4.96	3.88	171.32	243.07	-932.40	1,025.43	1,016.62	8.81	116.409		
1,000.00	993.06	975.79	974.53	5.34	4.28	170.97	235.49	-934.88	1,048.16	1,038.60	9.56	109.604		
1,100.00	1,089.64	1,061.33	1,059.63	5.75	4.69	170.60	227.60	-938.40	1,075.31	1,064.97	10.34	104.019		
1,110.48	1,099.71	1,070.25	1,068.50	5.80	4.73	170.56	226.76	-938.82	1,078.40	1,067.98	10.43	103.437		
1,200.00	1,185.67	1,151.97	1,149.76	6.20	5.12	170.30	219.11	-942.89	1,105.21	1,094.05	11.15	99.119		
1,300.00	1,281.70	1,239.36	1,236.67	6.67	5.54	170.05	211.19	-947.52	1,135.53	1,123.58	11.95	95.011		
1,400.00	1,377.72	1,329.32	1,326.17	7.16	5.97	169.84	203.90	-952.81	1,166.64	1,153.86	12.78	91.316		
1,500.00	1,473.75	1,430.85	1,427.22	7.66	6.46	169.63	195.73	-958.48	1,197.49	1,183.82	13.67	87.572		
1,600.00	1,569.77	1,539.64	1,535.29	8.17	7.00	169.31	184.81	-964.47	1,227.89	1,213.25	14.64	83.894		
1,700.00	1,665.80	1,682.67	1,676.90	8.69	7.72	168.71	165.61	-969.73	1,255.92	1,240.09	15.83	79.348		
1,800.00	1,761.82	1,802.64	1,795.35	9.22	8.34	168.15	146.64	-971.16	1,281.12	1,264.21	16.91	75.766		
1,900.00	1,857.85	1,902.08	1,893.69	9.76	8.85	167.75	131.84	-970.62	1,304.93	1,287.06	17.87	73.016		
2,000.00	1,953.87	1,979.27	1,969.99	10.30	9.25	167.44	120.17	-971.12	1,329.87	1,311.16	18.71	71.078		
2,100.00	2,049.90	2,065.02	2,054.67	10.84	9.70	167.08	106.79	-972.78	1,355.98	1,336.38	19.61	69.153		
2,200.00	2,145.92	2,167.94	2,156.39	11.39	10.24	166.68	91.23	-974.33	1,381.83	1,361.21	20.62	67.018		
2,300.00	2,241.94	2,233.58	2,221.34	11.95	10.59	166.46	81.85	-976.01	1,408.89	1,387.51	21.38	65.885		
2,400.00	2,337.97	2,316.98	2,303.78	12.50	11.03	166.16	69.82	-979.53	1,437.54	1,415.27	22.27	64.549		
2,500.00	2,433.99	2,428.05	2,413.46	13.06	11.63	165.75	52.97	-984.34	1,466.24	1,442.88	23.36	62.773		
2,600.00	2,530.02	2,506.56	2,491.03	13.63	12.05	165.48	41.25	-987.54	1,494.78	1,470.56	24.22	61.724		
2,700.00	2,626.04	2,605.99	2,589.25	14.19	12.58	165.15	26.51	-992.26	1,524.00	1,498.77	25.23	60.410		
2,800.00	2,722.07	2,678.22	2,660.59	14.76	12.98	164.92	15.85	-995.85	1,553.52	1,527.48	26.04	59.658		
2,900.00	2,818.09	2,768.53	2,749.62	15.32	13.47	164.61	1.97	-1,001.84	1,584.49	1,557.50	26.99	58.703		
3,000.00	2,914.12	2,896.13	2,875.56	15.89	14.17	164.21	-17.44	-1,008.60	1,614.31	1,586.08	28.23	57.182		
3,100.00	3,010.14	2,973.36	2,951.77	16.46	14.59	163.97	-29.38	-1,012.22	1,643.56	1,614.47	29.09	56.498		
3,200.00	3,106.17	3,067.94	3,044.93	17.03	15.12	163.66	-44.81	-1,017.69	1,673.76	1,643.67	30.09	55.627		
3,298.02	3,200.29	3,175.94	3,151.54	17.59	15.71	163.35	-61.25	-1,023.05	1,702.77	1,671.59	31.18	54.609		
3,300.00	3,202.19	3,178.15	3,153.71	17.60	15.72	163.35	-61.57	-1,023.14	1,703.35	1,672.15	31.20	54.589		
3,400.00	3,298.70	3,252.10	3,226.84	18.16	16.12	163.34	-71.97	-1,026.71	1,731.36	1,699.34	32.02	54.074		
3,500.00	3,396.07	3,326.07	3,299.97	18.68	16.52	163.29	-82.10	-1,031.37	1,757.58	1,724.77	32.81	53.565		
3,600.00	3,494.17	3,406.47	3,379.43	19.18	16.95	163.21	-92.83	-1,037.25	1,781.63	1,747.99	33.64	52.956		
3,700.00	3,592.88	3,500.81	3,472.44	19.64	17.47	163.00	-106.57	-1,044.99	1,803.20	1,768.61	34.59	52.138		
3,800.00	3,692.10	3,637.23	3,607.13	20.08	18.21	162.60	-126.07	-1,054.35	1,820.25	1,784.39	35.86	50.756		
3,900.00	3,791.69	3,742.31	3,711.30	20.49	18.76	162.35	-138.69	-1,059.93	1,832.82	1,795.98	36.84	49.746		
4,000.00	3,891.53	3,844.34	3,812.47	20.88	19.29	162.07	-150.85	-1,065.24	1,842.06	1,804.27	37.78	48.751		
4,108.50	4,000.00	3,961.80	3,928.88	21.27	19.90	-84.69	-165.38	-1,070.99	1,848.03	1,809.20	38.83	47.590		
4,200.00	4,091.50	4,026.84	3,993.17	21.58	20.26	-84.98	-174.47	-1,074.60	1,851.95	1,812.51	39.44	46.951		
4,300.00	4,191.50	4,144.44	4,109.02	21.92	20.92	-85.58	-193.44	-1,081.72	1,856.77	1,816.25	40.51	45.832		
4,400.00	4,291.50	4,230.76	4,193.87	22.27	21.42	-86.06	-208.51	-1,086.64	1,861.25	1,819.92	41.34	45.027		
4,500.00	4,391.50	4,322.80	4,284.10	22.62	21.96	-86.60	-225.73	-1,092.40	1,866.38	1,824.16	42.22	44.205		
4,600.00	4,491.50	4,430.55	4,389.71	22.97	22.60	-87.23	-246.00	-1,099.06	1,871.65	1,828.41	43.24	43.281		
4,700.00	4,591.50	4,510.01	4,467.45	23.33	23.08	-87.71	-261.64	-1,104.18	1,877.32	1,833.29	44.03	42.637		
4,800.00	4,691.50	4,618.76	4,573.68	23.69	23.74	-88.39	-283.66	-1,111.50	1,883.50	1,838.42	45.08	41.780		
4,900.00	4,791.50	4,715.47	4,668.52	24.05	24.31	-88.94	-301.59	-1,117.64	1,889.52	1,843.51	46.01	41.068		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
5,000.00	4,891.50	4,820.97	4,771.81	24.42	24.94	-89.57	-322.03	-1,124.25	1,895.65	1,848.63	47.02	40.312		
5,100.00	4,991.50	4,934.38	4,883.05	24.78	25.61	-90.21	-343.28	-1,130.10	1,900.82	1,852.72	48.10	39.518		
5,200.00	5,091.50	5,012.35	4,959.63	25.15	26.07	-90.63	-357.20	-1,134.71	1,906.92	1,858.05	48.86	39.027		
5,300.00	5,191.50	5,145.69	5,076.42	25.53	26.71	-91.05	-371.10	-1,139.22	1,913.02	1,863.38	49.62	38.534		
5,400.00	5,291.50	5,244.23	5,176.44	25.90	27.17	-91.44	-384.96	-1,143.73	1,919.12	1,868.69	50.38	37.941		
5,500.00	5,391.50	5,342.80	5,276.45	26.28	27.13	-91.82	-398.77	-1,148.24	1,925.02	1,873.99	51.14	37.348		
5,600.00	5,491.50	5,441.39	5,376.47	26.65	27.09	-92.19	-412.54	-1,152.75	1,930.82	1,879.29	51.90	36.755		
5,700.00	5,591.50	5,540.00	5,476.49	27.03	27.05	-92.56	-426.28	-1,157.26	1,936.52	1,884.59	52.66	36.162		
5,800.00	5,691.50	5,638.64	5,576.51	27.41	27.01	-92.93	-439.99	-1,161.77	1,942.22	1,889.89	53.42	35.569		
5,900.00	5,791.50	5,737.30	5,676.52	27.80	26.97	-93.30	-453.68	-1,166.28	1,947.92	1,895.19	54.18	34.976		
6,000.00	5,891.50	5,835.98	5,776.54	28.18	26.93	-93.67	-467.34	-1,170.79	1,953.62	1,900.49	54.94	34.383		
6,100.00	5,991.50	5,934.68	5,876.55	28.57	26.89	-94.04	-480.97	-1,175.30	1,959.32	1,905.79	55.70	33.790		
6,200.00	6,091.50	6,033.40	5,976.57	28.96	26.86	-94.41	-494.57	-1,179.81	1,965.02	1,911.09	56.46	33.197		
6,300.00	6,191.50	6,132.14	6,076.58	29.35	26.82	-94.78	-508.14	-1,184.32	1,970.72	1,916.39	57.22	32.604		
6,400.00	6,291.50	6,230.91	6,176.60	29.74	26.78	-95.15	-521.68	-1,188.83	1,976.42	1,921.69	57.98	32.011		
6,500.00	6,391.50	6,329.69	6,276.61	30.13	26.75	-95.52	-535.19	-1,193.34	1,982.12	1,926.99	58.74	31.418		
6,600.00	6,491.50	6,428.49	6,376.62	30.52	26.71	-95.89	-548.68	-1,197.85	1,987.82	1,932.29	59.50	30.825		
6,639.95	6,531.45	6,472.01	6,416.63	30.68	26.70	-96.04	-554.12	-1,200.00	1,990.00	1,934.47	59.69	30.69		
6,650.00	6,541.50	6,482.81	6,426.63	30.72	26.69	-96.10	-556.84	-1,201.12	1,991.12	1,935.59	59.78	30.64		
6,700.00	6,591.41	6,524.37	6,476.67	30.90	26.60	-96.35	-567.19	-1,204.19	1,994.19	1,938.66	60.00	30.48		
6,750.00	6,640.95	6,576.90	6,526.75	31.09	26.68	-96.59	-577.53	-1,207.26	1,997.26	1,941.73	60.22	30.32		
6,800.00	6,689.82	6,705.52	6,576.87	31.29	26.05	-139.17	-424.49	754.35	403.69	374.73	28.96	13.939		
6,850.00	6,737.71	6,690.32	6,577.00	31.49	26.61	-142.63	-424.93	739.16	357.21	326.83	30.39	11.756		
6,900.00	6,784.33	6,671.43	6,577.15	31.70	26.07	-144.06	-425.47	720.28	312.34	280.01	32.34	9.658		
6,950.00	6,829.39	6,649.01	6,577.30	31.92	26.42	-143.97	-426.10	697.87	269.49	234.43	35.06	7.688		
7,000.00	6,872.61	6,624.15	6,577.44	32.15	26.71	-142.68	-426.82	673.02	229.14	190.32	38.82	5.902		
7,050.00	6,913.73	6,596.12	6,577.66	32.41	26.91	-139.96	-427.73	645.00	191.97	147.83	44.14	4.349		
7,100.00	6,952.49	6,564.87	6,577.97	32.68	26.02	-135.53	-428.86	613.78	158.77	107.23	51.53	3.081		
7,150.00	6,988.66	6,530.03	6,578.38	32.98	26.04	-128.83	-430.24	578.97	130.59	69.17	61.42	2.126		
7,200.00	7,022.01	6,492.14	6,578.73	33.31	25.98	-119.49	-431.70	541.11	108.63	35.41	73.22	1.484 Level 3		
7,250.00	7,052.33	6,451.94	6,579.00	33.67	25.86	-107.54	-433.20	500.93	94.38	10.11	84.27	1.120 Level 2		
7,300.00	7,079.44	6,409.66	6,579.20	34.07	25.70	-93.86	-434.71	458.68	88.57	-1.70	90.27	0.981 Level 1		
7,312.89	7,085.89	6,398.43	6,579.25	34.18	25.79	-90.26	-435.10	447.46	88.34	-2.34	90.69	0.974 Level 1, CC, ES, SF		
7,350.00	7,103.17	6,365.46	6,579.38	34.51	25.49	-80.33	-436.22	414.51	89.98	0.41	89.57	1.005 Level 2		
7,400.00	7,123.38	6,319.38	6,579.49	34.98	25.25	-68.72	-437.68	368.45	95.75	10.91	84.84	1.129 Level 2		
7,450.00	7,139.94	6,271.95	6,579.49	35.50	25.97	-59.82	-438.97	321.04	103.07	23.85	79.22	1.301 Level 3		
7,500.00	7,152.75	6,223.60	6,579.52	36.05	25.70	-53.59	-440.23	272.70	110.00	35.58	74.41	1.478 Level 3		
7,550.00	7,161.73	6,174.34	6,579.84	36.64	25.41	-49.76	-441.72	223.47	115.34	44.29	71.05	1.623		
7,600.00	7,166.82	6,124.25	6,580.40	37.26	25.14	-47.88	-443.34	173.41	118.34	49.17	69.17	1.711		
7,649.14	7,168.00	6,074.83	6,581.05	37.89	24.88	-47.63	-444.86	124.02	118.64	50.09	68.55	1.731		
7,700.00	7,167.27	6,024.08	6,581.59	38.57	24.64	-48.01	-446.24	73.29	117.59	49.11	68.48	1.717		
7,800.00	7,165.83	5,924.32	6,581.76	40.04	24.25	-48.23	-448.34	-26.44	115.68	47.66	68.02	1.701		
7,900.00	7,164.38	5,826.40	6,580.82	41.66	24.03	-48.00	-450.29	-124.34	114.44	47.08	67.35	1.699		
7,900.45	7,164.38	5,825.97	6,580.81	41.66	24.02	-48.00	-450.30	-124.77	114.44	47.09	67.35	1.699		
8,000.00	7,162.94	5,727.21	6,578.36	43.40	20.91	-47.65	-453.59	-223.45	115.20	48.39	66.81	1.724		
8,100.00	7,161.50	5,626.20	6,575.63	45.26	20.92	-46.93	-456.07	-324.38	115.49	49.33	66.16	1.746		
8,134.60	7,161.00	5,591.79	6,574.61	45.93	20.28	-46.52	-456.56	-358.78	115.39	49.55	65.84	1.753		
8,200.00	7,160.05	5,530.54	6,571.21	47.21	20.21	-45.32	-457.63	-419.92	116.57	51.65	64.91	1.796		
8,300.00	7,158.61	5,442.37	6,559.27	49.26	20.84	-41.44	-459.37	-507.18	124.65	62.75	61.91	2.014		
8,400.00	7,157.17	5,359.66	6,536.87	51.38	20.79	-35.13	-460.30	-586.73	144.02	86.84	57.18	2.519		
8,500.00	7,155.73	5,284.89	6,507.87	53.57	20.16	-29.31	-462.05	-655.58	176.17	122.10	54.07	3.258		
8,600.00	7,154.28	5,212.86	6,473.30	55.82	20.84	-24.63	-464.91	-718.69	219.29	166.57	52.72	4.160		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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:	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		
8,700.00	7,152.84	7,137.98	6,932.60	58.12	33.64	-20.73	-467.96	-781.45	269.72	217.86	51.86	5.201		
8,800.00	7,151.40	7,060.36	6,888.29	60.47	33.51	-17.17	-468.48	-845.17	323.05	272.08	50.97	6.338		
8,900.00	7,149.95	6,994.00	6,848.87	62.86	33.40	-14.27	-465.90	-898.48	378.97	327.68	51.29	7.389		
9,000.00	7,148.51	6,943.15	6,816.35	65.28	33.28	-11.99	-461.43	-937.28	440.02	387.27	52.75	8.341		
9,100.00	7,147.07	6,899.00	6,785.42	67.74	33.19	-9.91	-455.34	-968.18	507.40	453.12	54.28	9.348		
9,200.00	7,145.62	6,864.72	6,760.07	70.23	33.08	-8.32	-449.54	-990.51	579.59	523.63	55.96	10.357		
9,300.00	7,144.18	6,829.02	6,732.78	72.74	32.98	-6.77	-442.84	-1,012.51	655.43	598.29	57.15	11.469		
9,400.00	7,142.74	6,804.00	6,713.13	75.28	32.91	-5.74	-437.76	-1,027.15	734.36	675.91	58.45	12.564		
9,500.00	7,141.29	6,765.06	6,681.83	77.84	32.78	-4.26	-429.51	-1,048.78	815.54	756.54	59.00	13.822		
9,600.00	7,139.85	6,736.34	6,658.22	80.42	32.68	-3.27	-423.29	-1,063.91	898.75	839.02	59.73	15.046		
9,700.00	7,138.41	6,709.00	6,635.37	83.01	32.59	-2.39	-417.28	-1,077.66	983.64	923.29	60.35	16.300		
9,800.00	7,136.97	6,709.00	6,635.37	85.62	32.59	-2.39	-417.28	-1,077.66	1,070.48	1,009.13	61.35	17.448		
9,900.00	7,135.52	6,674.64	6,605.87	88.25	32.47	-1.45	-410.20	-1,093.77	1,158.01	1,096.41	61.60	18.800		
10,000.00	7,134.08	6,659.33	6,592.37	90.89	32.42	-1.11	-407.40	-1,100.44	1,247.16	1,185.09	62.07	20.092		
10,100.00	7,132.64	6,645.33	6,579.86	93.54	32.37	-0.82	-405.03	-1,106.26	1,337.37	1,274.90	62.48	21.406		
10,200.00	7,131.19	6,614.00	6,551.32	96.20	32.26	-0.30	-400.40	-1,118.31	1,428.89	1,366.25	62.64	22.813		
10,300.00	7,129.75	6,614.00	6,551.32	98.87	32.26	-0.30	-400.40	-1,118.31	1,520.47	1,457.41	63.07	24.109		
10,400.00	7,128.31	6,614.00	6,551.32	101.55	32.26	-0.30	-400.40	-1,118.31	1,613.06	1,549.64	63.42	25.434		
10,500.00	7,126.86	6,614.00	6,551.32	104.24	32.26	-0.30	-400.40	-1,118.31	1,706.48	1,642.77	63.72	26.783		
10,600.00	7,125.42	6,614.00	6,551.32	106.94	32.26	-0.30	-400.40	-1,118.31	1,800.61	1,736.65	63.96	28.151		
10,700.00	7,123.98	6,614.00	6,551.32	109.64	32.26	-0.30	-400.40	-1,118.31	1,895.34	1,831.17	64.17	29.535		
10,800.00	7,122.53	6,573.57	6,513.49	112.36	32.13	0.18	-395.77	-1,131.79	1,988.93	1,924.75	64.18	30.988		
10,900.00	7,121.09	6,566.04	6,506.34	115.08	32.10	0.25	-395.07	-1,134.04	2,083.98	2,019.65	64.33	32.394		
11,000.00	7,119.65	6,559.01	6,499.64	117.80	32.08	0.31	-394.46	-1,136.07	2,179.37	2,114.90	64.47	33.806		
11,100.00	7,118.20	6,519.00	6,461.03	120.53	31.94	0.54	-391.86	-1,146.20	2,276.16	2,211.67	64.49	35.297		
11,200.00	7,116.76	6,519.00	6,461.03	123.26	31.94	0.54	-391.86	-1,146.20	2,371.76	2,307.13	64.63	36.698		
11,300.00	7,115.32	6,519.00	6,461.03	126.00	31.94	0.54	-391.86	-1,146.20	2,467.71	2,402.95	64.76	38.107		
11,400.00	7,113.88	6,519.00	6,461.03	128.75	31.94	0.54	-391.86	-1,146.20	2,563.96	2,499.09	64.87	39.522		
11,500.00	7,112.43	6,519.00	6,461.03	131.50	31.94	0.54	-391.86	-1,146.20	2,660.50	2,595.52	64.98	40.943		
11,600.00	7,110.99	6,519.00	6,461.03	134.25	31.94	0.54	-391.86	-1,146.20	2,757.28	2,692.20	65.08	42.369		
11,700.00	7,109.55	6,519.00	6,461.03	137.01	31.94	0.54	-391.86	-1,146.20	2,854.28	2,789.11	65.17	43.798		
11,800.00	7,108.10	6,519.00	6,461.03	139.77	31.94	0.54	-391.86	-1,146.20	2,951.49	2,886.23	65.26	45.230		
11,900.00	7,106.66	6,519.00	6,461.03	142.53	31.94	0.54	-391.86	-1,146.20	3,048.87	2,983.54	65.34	46.665		
12,000.00	7,105.22	6,519.00	6,461.03	145.30	31.94	0.54	-391.86	-1,146.20	3,146.42	3,081.01	65.41	48.101		
12,100.00	7,103.77	6,519.00	6,461.03	148.06	31.94	0.54	-391.86	-1,146.20	3,244.12	3,178.63	65.49	49.539		
12,200.00	7,102.33	6,519.00	6,461.03	150.84	31.94	0.54	-391.86	-1,146.20	3,341.95	3,276.39	65.56	50.978		
12,300.00	7,100.89	6,519.00	6,461.03	153.61	31.94	0.54	-391.86	-1,146.20	3,439.91	3,374.28	65.63	52.417		
12,400.00	7,099.44	6,519.00	6,461.03	156.39	31.94	0.54	-391.86	-1,146.20	3,537.98	3,472.29	65.69	53.856		
12,500.00	7,098.00	6,519.00	6,461.03	159.17	31.94	0.54	-391.86	-1,146.20	3,636.16	3,570.40	65.76	55.295		
12,600.00	7,096.56	6,519.00	6,461.03	161.95	31.94	0.54	-391.86	-1,146.20	3,734.43	3,668.61	65.82	56.734		
12,700.00	7,095.12	6,479.59	6,422.43	164.73	31.82	0.63	-390.57	-1,154.05	3,831.63	3,765.74	65.88	58.160		
12,800.00	7,093.67	6,476.41	6,419.31	167.52	31.81	0.63	-390.51	-1,154.60	3,929.88	3,863.93	65.95	59.592		
12,900.00	7,092.23	6,473.36	6,416.30	170.31	31.80	0.64	-390.47	-1,155.11	4,028.21	3,962.20	66.01	61.024		
13,000.00	7,090.79	6,470.44	6,413.42	173.09	31.79	0.64	-390.43	-1,155.59	4,126.60	4,060.53	66.07	62.454		
13,100.00	7,089.34	6,467.63	6,410.64	175.89	31.78	0.64	-390.40	-1,156.05	4,225.06	4,158.92	66.14	63.882		
13,200.00	7,087.90	6,464.92	6,407.97	178.68	31.77	0.64	-390.37	-1,156.47	4,323.58	4,257.38	66.20	65.309		
13,300.00	7,086.46	6,424.00	6,367.40	181.47	31.64	0.60	-390.62	-1,161.80	4,423.24	4,356.97	66.27	66.747		
13,400.00	7,085.01	6,424.00	6,367.40	184.27	31.64	0.60	-390.62	-1,161.80	4,521.72	4,455.39	66.33	68.166		
13,500.00	7,083.57	6,424.00	6,367.40	187.07	31.64	0.60	-390.62	-1,161.80	4,620.27	4,553.88	66.40	69.584		
13,600.00	7,082.13	6,424.00	6,367.40	189.86	31.64	0.60	-390.62	-1,161.80	4,718.89	4,652.42	66.46	71.000		
13,700.00	7,080.68	6,424.00	6,367.40	192.66	31.64	0.60	-390.62	-1,161.80	4,817.56	4,751.03	66.53	72.413		
13,800.00	7,079.24	6,424.00	6,367.40	195.47	31.64	0.60	-390.62	-1,161.80	4,916.28	4,849.69	66.59	73.825		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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:	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		
13,900.00	7,077.80	6,424.00	6,367.40	198.27	31.64	0.60	-390.62	-1,161.80	5,015.06	4,948.40	66.66	75.234		
14,000.00	7,076.36	6,424.00	6,367.40	201.07	31.64	0.60	-390.62	-1,161.80	5,113.88	5,047.15	66.73	76.640		
14,100.00	7,074.91	6,424.00	6,367.40	203.88	31.64	0.60	-390.62	-1,161.80	5,212.74	5,145.95	66.79	78.044		
14,200.00	7,073.47	6,424.00	6,367.40	206.68	31.64	0.60	-390.62	-1,161.80	5,311.65	5,244.79	66.86	79.445		
14,300.00	7,072.03	6,424.00	6,367.40	209.49	31.64	0.60	-390.62	-1,161.80	5,410.60	5,343.68	66.93	80.844		
14,400.00	7,070.58	6,424.00	6,367.40	212.30	31.64	0.60	-390.62	-1,161.80	5,509.59	5,442.60	66.99	82.239		
14,500.00	7,069.14	6,424.00	6,367.40	215.11	31.64	0.60	-390.62	-1,161.80	5,608.61	5,541.55	67.06	83.632		
14,600.00	7,067.70	6,424.00	6,367.40	217.92	31.64	0.60	-390.62	-1,161.80	5,707.67	5,640.54	67.13	85.021		
14,700.00	7,066.25	6,424.00	6,367.40	220.73	31.64	0.60	-390.62	-1,161.80	5,806.76	5,739.56	67.20	86.407		
14,800.00	7,064.81	6,424.00	6,367.40	223.54	31.64	0.60	-390.62	-1,161.80	5,905.88	5,838.61	67.27	87.790		
14,900.00	7,063.37	6,424.00	6,367.40	226.35	31.64	0.60	-390.62	-1,161.80	6,005.03	5,937.69	67.34	89.170		
15,000.00	7,061.92	6,424.00	6,367.40	229.16	31.64	0.60	-390.62	-1,161.80	6,104.21	6,036.79	67.42	90.546		
15,100.00	7,060.48	6,424.00	6,367.40	231.98	31.64	0.60	-390.62	-1,161.80	6,203.41	6,135.92	67.49	91.919		
15,200.00	7,059.04	6,424.00	6,367.40	234.79	31.64	0.60	-390.62	-1,161.80	6,302.64	6,235.08	67.56	93.288		
15,300.00	7,057.60	6,424.00	6,367.40	237.61	31.64	0.60	-390.62	-1,161.80	6,401.89	6,334.26	67.63	94.654		
15,400.00	7,056.15	6,424.00	6,367.40	240.42	31.64	0.60	-390.62	-1,161.80	6,501.17	6,433.46	67.71	96.016		
15,500.00	7,054.71	6,424.00	6,367.40	243.24	31.64	0.60	-390.62	-1,161.80	6,600.47	6,532.68	67.78	97.374		
15,600.00	7,053.27	6,424.00	6,367.40	246.05	31.64	0.60	-390.62	-1,161.80	6,699.79	6,631.92	67.86	98.728		
15,687.75	7,052.00	6,424.00	6,367.40	248.53	31.64	0.60	-390.62	-1,161.80	6,786.96	6,719.03	67.93	99.914		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-71.99	302.03	-928.93	977.49					
100.00	100.00	58.94	58.94	3.28	3.29	-71.99	302.06	-929.01	976.89	970.32	6.57	148.633		
200.00	200.00	150.30	150.29	3.34	3.34	-71.99	302.35	-929.74	977.75	971.07	6.68	146.419		
300.00	300.00	260.24	260.23	3.44	3.46	-72.00	302.39	-930.75	978.64	971.73	6.91	141.723		
400.00	399.98	347.94	347.91	3.60	3.60	174.25	301.04	-932.11	981.37	974.17	7.20	136.294		
500.00	499.84	435.40	435.27	3.79	3.78	174.05	298.10	-935.04	988.73	981.16	7.58	130.497		
600.00	599.45	514.06	513.67	4.03	3.97	173.75	293.80	-939.54	1,001.20	993.19	8.01	124.945		
700.00	698.70	588.75	587.83	4.30	4.18	173.32	287.84	-946.09	1,019.28	1,010.78	8.51	119.833		
800.00	797.47	671.27	669.35	4.61	4.44	172.73	279.29	-955.68	1,042.82	1,033.75	9.07	114.970		
900.00	895.62	777.04	773.59	4.96	4.83	171.93	266.98	-968.68	1,070.18	1,060.42	9.76	109.683		
1,000.00	993.06	876.72	871.70	5.34	5.24	171.15	253.83	-980.34	1,100.01	1,089.52	10.49	104.880		
1,100.00	1,089.64	1,047.43	1,039.16	5.75	6.02	169.72	225.01	-996.14	1,130.48	1,118.88	11.60	97.448		
1,110.48	1,099.71	1,068.67	1,059.93	5.80	6.12	169.53	220.74	-997.33	1,133.41	1,121.67	11.75	96.499		
1,200.00	1,185.67	1,187.42	1,175.46	6.20	6.71	168.43	193.66	-1,001.92	1,156.65	1,143.97	12.68	91.217		
1,300.00	1,281.70	1,316.66	1,300.54	6.67	7.40	167.17	161.33	-1,005.02	1,181.40	1,167.62	13.78	85.754		
1,400.00	1,377.72	1,414.00	1,394.34	7.16	7.94	166.21	135.32	-1,005.22	1,203.85	1,189.11	14.75	81.635		
1,500.00	1,473.75	1,505.77	1,482.76	7.66	8.48	165.33	110.76	-1,005.79	1,227.01	1,211.29	15.71	78.080		
1,600.00	1,569.77	1,586.79	1,560.97	8.17	8.96	164.60	89.61	-1,006.76	1,251.10	1,234.47	16.63	75.221		
1,700.00	1,665.80	1,683.12	1,654.22	8.69	9.54	163.81	65.52	-1,008.42	1,276.11	1,258.45	17.66	72.279		
1,800.00	1,761.82	1,781.24	1,749.46	9.22	10.13	163.08	41.98	-1,009.70	1,301.06	1,282.36	18.70	69.591		
1,900.00	1,857.85	1,868.00	1,833.70	9.76	10.66	162.47	21.24	-1,010.70	1,326.09	1,306.42	19.67	67.415		
2,000.00	1,953.87	1,929.88	1,894.00	10.30	11.03	162.08	7.46	-1,012.28	1,352.90	1,332.44	20.46	66.126		
2,100.00	2,049.90	1,998.65	1,961.45	10.84	11.42	161.76	-5.50	-1,015.78	1,382.36	1,361.09	21.27	65.002		
2,200.00	2,145.92	2,152.17	2,113.31	11.39	12.21	161.39	-27.04	-1,021.44	1,411.39	1,388.80	22.59	62.479		
2,300.00	2,241.94	2,224.99	2,185.73	11.95	12.55	161.35	-34.49	-1,022.59	1,438.47	1,415.10	23.37	61.557		
2,400.00	2,337.97	2,327.24	2,287.71	12.50	12.99	161.42	-41.66	-1,024.45	1,466.10	1,441.82	24.28	60.383		
2,500.00	2,433.99	2,429.73	2,390.10	13.06	13.39	161.61	-46.01	-1,025.63	1,493.37	1,468.20	25.16	59.346		
2,600.00	2,530.02	2,530.51	2,490.85	13.63	13.77	161.90	-47.55	-1,026.02	1,520.19	1,494.18	26.01	58.437		
2,700.00	2,626.04	2,628.76	2,589.11	14.19	14.11	162.20	-48.10	-1,026.20	1,546.96	1,520.13	26.83	57.657		
2,800.00	2,722.07	2,723.05	2,683.38	14.76	14.41	162.56	-46.66	-1,026.01	1,573.64	1,546.04	27.60	57.021		
2,900.00	2,818.09	2,811.06	2,771.37	15.32	14.68	162.90	-44.84	-1,026.07	1,600.71	1,572.38	28.33	56.507		
3,000.00	2,914.12	2,904.66	2,864.93	15.89	14.97	163.28	-42.11	-1,026.42	1,628.23	1,599.14	29.09	55.979		
3,100.00	3,010.14	2,991.39	2,951.64	16.46	15.25	163.61	-39.87	-1,026.94	1,655.99	1,626.17	29.82	55.537		
3,200.00	3,106.17	3,078.79	3,039.00	17.03	15.53	163.92	-37.76	-1,028.04	1,684.40	1,653.84	30.56	55.117		
3,298.02	3,200.29	3,182.55	3,142.71	17.59	15.88	164.29	-34.86	-1,029.32	1,712.34	1,680.96	31.39	54.558		
3,300.00	3,202.19	3,184.81	3,144.96	17.60	15.89	164.31	-34.76	-1,029.33	1,712.90	1,681.50	31.40	54.545		
3,400.00	3,298.70	3,272.33	3,232.41	18.16	16.17	164.78	-31.15	-1,029.98	1,739.50	1,707.37	32.14	54.130		
3,500.00	3,396.07	3,367.20	3,327.22	18.68	16.49	165.20	-27.83	-1,031.16	1,763.28	1,730.38	32.90	53.589		
3,600.00	3,494.17	3,501.85	3,461.79	19.18	16.95	165.66	-23.56	-1,030.93	1,782.24	1,748.36	33.88	52.598		
3,700.00	3,592.88	3,592.62	3,552.52	19.64	17.26	165.93	-21.00	-1,030.52	1,797.72	1,763.10	34.62	51.928		
3,800.00	3,692.10	3,687.83	3,647.70	20.08	17.60	166.16	-18.53	-1,030.37	1,810.13	1,774.76	35.37	51.172		
3,900.00	3,791.69	3,802.99	3,762.83	20.49	18.01	166.37	-15.81	-1,030.12	1,819.12	1,782.88	36.23	50.209		
4,000.00	3,891.53	3,910.96	3,870.76	20.88	18.39	166.52	-13.19	-1,028.83	1,823.74	1,786.70	37.04	49.240		
4,108.50	4,000.00	4,018.17	3,977.92	21.27	18.78	-79.72	-10.58	-1,027.30	1,824.68	1,786.85	37.83	48.229		
4,185.55	4,077.05	4,080.32	4,040.05	21.53	19.00	-79.66	-8.86	-1,026.73	1,824.37	1,786.06	38.31	47.623		
4,200.00	4,091.50	4,092.60	4,052.32	21.58	19.05	-79.65	-8.50	-1,026.67	1,824.38	1,785.97	38.40	47.509		
4,300.00	4,191.50	4,182.86	4,142.54	21.92	19.38	-79.56	-5.75	-1,026.56	1,824.79	1,785.72	39.07	46.700		
4,400.00	4,291.50	4,297.47	4,257.09	22.27	19.80	-79.44	-1.89	-1,026.34	1,825.25	1,785.36	39.89	45.752		
4,500.00	4,391.50	4,411.72	4,371.26	22.62	20.22	-79.31	1.91	-1,024.67	1,824.38	1,783.67	40.71	44.811		
4,600.00	4,491.50	4,501.41	4,460.91	22.97	20.56	-79.23	4.44	-1,023.57	1,823.70	1,782.30	41.40	44.049		
4,700.00	4,591.50	4,595.15	4,554.61	23.33	20.91	-79.15	6.81	-1,023.01	1,823.59	1,781.47	42.12	43.295		
4,704.52	4,596.02	4,599.55	4,559.02	23.35	20.93	-79.15	6.92	-1,022.99	1,823.59	1,781.44	42.15	43.261		

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 13C-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 13C-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		
4,800.00	4,691.50	4,688.12	4,647.56	23.69	21.27	-79.09	8.90	-1,022.75	1,823.74	1,780.90	42.84	42.571		
4,900.00	4,791.50	4,775.78	4,735.21	24.05	21.61	-79.04	10.57	-1,023.04	1,824.44	1,780.90	43.53	41.909		
5,000.00	4,891.50	4,896.83	4,856.23	24.42	22.08	-78.96	13.02	-1,023.43	1,825.18	1,780.75	44.43	41.078		
5,100.00	4,991.50	5,027.92	4,987.29	24.78	22.59	-78.89	15.07	-1,021.73	1,824.20	1,778.81	45.38	40.196		
5,200.00	5,091.50	5,128.38	5,087.71	25.15	22.98	-78.83	16.55	-1,019.35	1,822.16	1,776.00	46.16	39.474		
5,300.00	5,191.50	5,217.58	5,176.90	25.53	23.33	-78.80	17.16	-1,017.85	1,820.64	1,773.75	46.88	38.832		
5,400.00	5,291.50	5,295.67	5,254.99	25.90	23.64	-78.79	17.51	-1,017.18	1,819.92	1,772.37	47.55	38.277		
5,500.00	5,391.50	5,453.38	5,412.67	26.28	24.28	-78.79	17.31	-1,015.86	1,819.51	1,770.84	48.67	37.385		
5,600.00	5,491.50	5,576.89	5,536.04	26.65	24.79	-78.85	14.31	-1,010.84	1,814.91	1,765.31	49.60	36.594		
5,700.00	5,591.50	5,644.86	5,603.96	27.03	25.06	-78.87	13.02	-1,008.44	1,811.14	1,760.91	50.24	36.053		
5,800.00	5,691.50	5,711.53	5,670.61	27.41	25.33	-78.86	13.28	-1,007.30	1,809.47	1,758.62	50.85	35.585		
5,900.00	5,791.50	5,797.91	5,756.98	27.80	25.68	-78.81	14.60	-1,006.50	1,808.87	1,757.30	51.57	35.078		
5,908.74	5,800.25	5,804.18	5,763.25	27.83	25.70	-78.81	14.74	-1,006.47	1,808.86	1,757.24	51.62	35.041		
6,000.00	5,891.50	5,873.00	5,832.03	28.18	25.98	-78.74	16.88	-1,006.57	1,809.52	1,757.31	52.21	34.659		
6,100.00	5,991.50	5,929.39	5,888.36	28.57	26.20	-78.67	19.35	-1,007.56	1,812.04	1,759.33	52.71	34.376		
6,200.00	6,091.50	6,020.79	5,979.58	28.96	26.56	-78.54	24.10	-1,010.72	1,816.42	1,762.97	53.45	33.986		
6,300.00	6,191.50	6,210.88	6,169.54	29.35	27.32	-78.38	29.55	-1,012.10	1,817.38	1,762.54	54.84	33.142		
6,399.43	6,290.93	6,295.27	6,253.93	29.73	27.67	-78.37	29.85	-1,011.55	1,816.83	1,761.28	55.55	32.704		
6,400.00	6,291.50	6,295.72	6,254.38	29.74	27.67	-78.37	29.85	-1,011.54	1,816.83	1,761.28	55.56	32.702		
6,500.00	6,391.50	6,379.84	6,338.49	30.13	28.01	-78.35	30.72	-1,011.78	1,817.31	1,761.04	56.27	32.295		
6,600.00	6,491.50	6,467.18	6,425.81	30.52	28.37	-78.29	32.67	-1,012.49	1,818.55	1,761.55	57.00	31.902		
6,639.95	6,531.45	6,511.33	6,469.94	30.68	28.55	-78.25	33.96	-1,012.95	1,819.21	1,761.85	57.36	31.717		
6,650.00	6,541.50	6,528.78	6,487.38	30.72	28.62	13.61	34.38	-1,013.07	1,819.25	1,761.76	57.48	31.647		
6,700.00	6,591.41	6,607.88	6,566.48	30.90	28.95	13.73	35.41	-1,012.90	1,816.58	1,758.52	58.06	31.291		
6,750.00	6,640.95	6,673.80	6,632.39	31.09	29.22	13.96	35.42	-1,012.15	1,809.56	1,751.03	58.53	30.917		
6,800.00	6,689.82	6,704.98	6,663.57	31.29	29.34	14.25	35.33	-1,011.82	1,798.81	1,740.02	58.79	30.596		
6,850.00	6,737.71	6,736.06	6,694.65	31.49	29.47	14.65	35.38	-1,011.77	1,784.84	1,725.80	59.04	30.232		
6,900.00	6,784.33	6,769.42	6,728.01	31.70	29.61	15.19	35.57	-1,012.01	1,767.70	1,708.42	59.28	29.819		
6,950.00	6,829.39	6,818.08	6,776.67	31.92	29.81	15.95	36.02	-1,012.41	1,747.16	1,687.55	59.61	29.310		
7,000.00	6,872.61	6,864.65	6,823.23	32.15	30.01	16.91	36.59	-1,012.67	1,723.19	1,663.27	59.91	28.762		
7,050.00	6,913.73	6,905.08	6,863.66	32.41	30.17	18.07	36.84	-1,012.93	1,696.06	1,635.83	60.17	28.188		
7,100.00	6,952.49	6,944.12	6,902.70	32.68	30.34	19.50	36.78	-1,013.25	1,665.79	1,605.38	60.40	27.577		
7,150.00	6,988.66	6,976.35	6,934.92	32.98	30.47	21.23	36.63	-1,013.59	1,632.80	1,572.21	60.59	26.947		
7,200.00	7,022.01	7,006.38	6,964.95	33.31	30.60	23.37	36.52	-1,013.97	1,597.30	1,536.53	60.76	26.288		
7,250.00	7,052.33	7,034.10	6,992.67	33.67	30.71	26.04	36.44	-1,014.38	1,559.48	1,498.56	60.91	25.602		
7,300.00	7,079.44	7,060.20	7,018.77	34.07	30.82	29.45	36.43	-1,014.78	1,519.57	1,458.51	61.06	24.888		
7,350.00	7,103.17	7,083.16	7,041.72	34.51	30.92	33.76	36.51	-1,015.14	1,477.81	1,416.63	61.18	24.154		
7,400.00	7,123.38	7,102.83	7,061.39	34.98	31.00	39.25	36.64	-1,015.45	1,434.49	1,373.19	61.30	23.402		
7,450.00	7,139.94	7,119.09	7,077.64	35.50	31.07	46.22	36.79	-1,015.71	1,389.87	1,328.46	61.41	22.634		
7,500.00	7,152.75	7,133.43	7,091.99	36.05	31.13	55.07	36.94	-1,015.94	1,344.25	1,282.73	61.52	21.851		
7,550.00	7,161.73	7,143.89	7,102.44	36.64	31.17	65.71	37.05	-1,016.10	1,297.93	1,236.30	61.63	21.059		
7,600.00	7,166.82	7,150.14	7,108.69	37.26	31.20	77.60	37.11	-1,016.19	1,251.23	1,189.48	61.75	20.264		
7,649.14	7,168.00	7,152.16	7,110.71	37.89	31.21	89.46	37.13	-1,016.22	1,205.27	1,143.40	61.87	19.482		
7,700.00	7,167.27	7,152.15	7,110.70	38.57	31.21	89.46	37.13	-1,016.22	1,157.91	1,095.90	62.01	18.672		
7,800.00	7,165.83	7,152.13	7,110.68	40.04	31.21	89.46	37.13	-1,016.22	1,065.74	1,003.33	62.41	17.076		
7,900.00	7,164.38	7,152.11	7,110.66	41.66	31.21	89.45	37.13	-1,016.22	975.12	912.11	63.01	15.475		
8,000.00	7,162.94	7,152.09	7,110.64	43.40	31.21	89.45	37.13	-1,016.22	886.52	822.61	63.91	13.872		
8,100.00	7,161.50	7,152.07	7,110.62	45.26	31.21	89.45	37.13	-1,016.22	800.61	735.40	65.21	12.278		
8,200.00	7,160.05	7,152.05	7,110.60	47.21	31.21	89.45	37.13	-1,016.22	718.35	651.27	67.08	10.710		
8,300.00	7,158.61	7,152.03	7,110.59	49.26	31.21	89.44	37.13	-1,016.22	641.16	571.46	69.70	9.199		
8,400.00	7,157.17	7,152.02	7,110.57	51.38	31.21	89.44	37.13	-1,016.22	571.08	497.84	73.24	7.797		
8,500.00	7,155.73	7,152.00	7,110.55	53.57	31.21	89.44	37.12	-1,016.22	511.07	433.33	77.74	6.574		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,600.00	7,154.28	7,151.98	7,110.53	55.82	31.21	89.44	37.12	-1,016.22	465.03	382.17	82.85	5.613		
8,700.00	7,152.84	7,151.96	7,110.51	58.12	31.21	89.43	37.12	-1,016.22	437.38	349.69	87.69	4.988		
8,774.72	7,151.76	7,151.95	7,110.50	59.87	31.21	89.43	37.12	-1,016.22	430.95	340.58	90.37	4.769 CC, ES		
8,800.00	7,151.40	7,151.94	7,110.49	60.47	31.21	89.43	37.12	-1,016.21	431.69	340.69	91.00	4.744 SF		
8,900.00	7,149.95	7,151.92	7,110.48	62.86	31.21	89.43	37.12	-1,016.21	448.79	356.75	92.04	4.876		
9,000.00	7,148.51	7,151.91	7,110.46	65.28	31.21	89.43	37.12	-1,016.21	486.28	395.21	91.07	5.340		
9,100.00	7,147.07	7,151.89	7,110.44	67.74	31.21	89.43	37.12	-1,016.21	539.93	450.96	88.97	6.069		
9,200.00	7,145.62	7,151.87	7,110.42	70.23	31.21	89.42	37.12	-1,016.21	605.46	518.95	86.51	6.999		
9,300.00	7,144.18	7,151.85	7,110.41	72.74	31.21	89.42	37.12	-1,016.21	679.44	595.32	84.12	8.077		
9,400.00	7,142.74	7,151.84	7,110.39	75.28	31.21	89.42	37.12	-1,016.21	759.40	677.42	81.99	9.263		
9,500.00	7,141.29	7,151.82	7,110.37	77.84	31.21	89.42	37.12	-1,016.21	843.65	763.51	80.14	10.527		
9,600.00	7,139.85	7,151.80	7,110.35	80.42	31.21	89.41	37.12	-1,016.21	931.02	852.44	78.58	11.848		
9,700.00	7,138.41	7,151.79	7,110.34	83.01	31.21	89.41	37.12	-1,016.21	1,020.71	943.46	77.26	13.212		
9,800.00	7,136.97	7,151.77	7,110.32	85.62	31.21	89.41	37.12	-1,016.21	1,112.17	1,036.03	76.14	14.607		
9,900.00	7,135.52	7,151.75	7,110.30	88.25	31.21	89.41	37.12	-1,016.21	1,204.98	1,129.79	75.19	16.027		
10,000.00	7,134.08	7,151.74	7,110.29	90.89	31.21	89.41	37.12	-1,016.21	1,298.85	1,224.48	74.37	17.464		
10,100.00	7,132.64	7,151.72	7,110.27	93.54	31.21	89.40	37.12	-1,016.21	1,393.59	1,319.91	73.67	18.916		
10,200.00	7,131.19	7,151.70	7,110.26	96.20	31.20	89.40	37.12	-1,016.21	1,489.00	1,415.94	73.07	20.378		
10,300.00	7,129.75	7,151.69	7,110.24	98.87	31.20	89.40	37.12	-1,016.21	1,584.99	1,512.45	72.54	21.849		
10,400.00	7,128.31	7,151.67	7,110.22	101.55	31.20	89.40	37.12	-1,016.21	1,681.44	1,609.36	72.09	23.326		
10,500.00	7,126.86	7,151.66	7,110.21	104.24	31.20	89.39	37.12	-1,016.21	1,778.29	1,706.60	71.68	24.807		
10,600.00	7,125.42	7,151.64	7,110.19	106.94	31.20	89.39	37.12	-1,016.21	1,875.46	1,804.13	71.33	26.293		
10,700.00	7,123.98	7,151.63	7,110.18	109.64	31.20	89.39	37.12	-1,016.21	1,972.92	1,901.90	71.02	27.781		
10,800.00	7,122.53	7,151.61	7,110.16	112.36	31.20	89.39	37.12	-1,016.21	2,070.62	1,999.88	70.74	29.271		
10,900.00	7,121.09	7,151.60	7,110.15	115.08	31.20	89.39	37.12	-1,016.21	2,168.53	2,098.04	70.49	30.762		
11,000.00	7,119.65	7,151.58	7,110.13	117.80	31.20	89.38	37.12	-1,016.21	2,266.62	2,196.35	70.27	32.254		
11,100.00	7,118.20	7,151.57	7,110.12	120.53	31.20	89.38	37.12	-1,016.21	2,364.87	2,294.80	70.08	33.746		
11,200.00	7,116.76	7,151.55	7,110.10	123.26	31.20	89.38	37.12	-1,016.21	2,463.27	2,393.36	69.90	35.238		
11,300.00	7,115.32	7,151.54	7,110.09	126.00	31.20	89.38	37.12	-1,016.21	2,561.79	2,492.04	69.75	36.730		
11,400.00	7,113.88	7,151.52	7,110.07	128.75	31.20	89.38	37.12	-1,016.21	2,660.41	2,590.81	69.61	38.220		
11,500.00	7,112.43	7,151.51	7,110.06	131.50	31.20	89.37	37.12	-1,016.21	2,759.14	2,689.66	69.48	39.710		
11,600.00	7,110.99	7,151.49	7,110.04	134.25	31.20	89.37	37.12	-1,016.21	2,857.96	2,788.59	69.37	41.198		
11,700.00	7,109.55	7,151.48	7,110.03	137.01	31.20	89.37	37.12	-1,016.21	2,956.85	2,887.58	69.27	42.685		
11,800.00	7,108.10	7,151.47	7,110.02	139.77	31.20	89.37	37.12	-1,016.21	3,055.82	2,986.64	69.18	44.171		
11,900.00	7,106.66	7,151.45	7,110.00	142.53	31.20	89.37	37.12	-1,016.21	3,154.85	3,085.75	69.10	45.654		
12,000.00	7,105.22	7,151.44	7,109.99	145.30	31.20	89.37	37.12	-1,016.21	3,253.94	3,184.91	69.03	47.136		
12,100.00	7,103.77	7,151.42	7,109.97	148.06	31.20	89.36	37.12	-1,016.21	3,353.09	3,284.11	68.97	48.615		
12,200.00	7,102.33	7,151.41	7,109.96	150.84	31.20	89.36	37.12	-1,016.21	3,452.28	3,383.36	68.92	50.092		
12,300.00	7,100.89	7,151.40	7,109.95	153.61	31.20	89.36	37.12	-1,016.21	3,551.52	3,482.65	68.87	51.567		
12,400.00	7,099.44	7,151.38	7,109.93	156.39	31.20	89.36	37.12	-1,016.21	3,650.80	3,581.97	68.83	53.040		
12,500.00	7,098.00	7,151.37	7,109.92	159.17	31.20	89.36	37.12	-1,016.21	3,750.12	3,681.32	68.80	54.510		
12,600.00	7,096.56	7,151.36	7,109.91	161.95	31.20	89.35	37.12	-1,016.21	3,849.48	3,780.71	68.77	55.977		
12,700.00	7,095.12	7,151.34	7,109.89	164.73	31.20	89.35	37.12	-1,016.21	3,948.86	3,880.12	68.75	57.442		
12,800.00	7,093.67	7,151.33	7,109.88	167.52	31.20	89.35	37.12	-1,016.21	4,048.28	3,979.55	68.73	58.904		
12,900.00	7,092.23	7,151.32	7,109.87	170.31	31.20	89.35	37.12	-1,016.21	4,147.73	4,079.01	68.71	60.363		
13,000.00	7,090.79	7,151.30	7,109.85	173.09	31.20	89.35	37.12	-1,016.21	4,247.20	4,178.49	68.70	61.819		
13,100.00	7,089.34	7,151.29	7,109.84	175.89	31.20	89.35	37.12	-1,016.21	4,346.69	4,277.99	68.70	63.272		
13,200.00	7,087.90	7,151.28	7,109.83	178.68	31.20	89.34	37.12	-1,016.21	4,446.21	4,377.51	68.70	64.721		
13,300.00	7,086.46	7,151.27	7,109.82	181.47	31.20	89.34	37.12	-1,016.21	4,545.75	4,477.05	68.70	66.168		
13,400.00	7,085.01	7,151.25	7,109.80	184.27	31.20	89.34	37.12	-1,016.20	4,645.31	4,576.60	68.71	67.612		
13,500.00	7,083.57	7,151.24	7,109.79	187.07	31.20	89.34	37.12	-1,016.20	4,744.89	4,676.17	68.71	69.052		
13,600.00	7,082.13	7,151.23	7,109.78	189.86	31.20	89.34	37.12	-1,016.20	4,844.48	4,775.76	68.73	70.489		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
13,700.00	7,080.68	7,151.22	7,109.77	192.66	31.20	89.34	37.12	-1,016.20	4,944.09	4,875.35	68.74	71.922		
13,800.00	7,079.24	7,151.20	7,109.75	195.47	31.20	89.33	37.12	-1,016.20	5,043.72	4,974.96	68.76	73.352		
13,900.00	7,077.80	7,151.19	7,109.74	198.27	31.20	89.33	37.12	-1,016.20	5,143.36	5,074.58	68.78	74.779		
14,000.00	7,076.36	7,151.18	7,109.73	201.07	31.20	89.33	37.12	-1,016.20	5,243.02	5,174.21	68.80	76.202		
14,100.00	7,074.91	7,151.17	7,109.72	203.88	31.20	89.33	37.12	-1,016.20	5,342.69	5,273.86	68.83	77.621		
14,200.00	7,073.47	7,151.16	7,109.71	206.68	31.20	89.33	37.12	-1,016.20	5,442.37	5,373.51	68.86	79.037		
14,300.00	7,072.03	7,151.14	7,109.69	209.49	31.20	89.33	37.12	-1,016.20	5,542.06	5,473.17	68.89	80.449		
14,400.00	7,070.58	7,151.13	7,109.68	212.30	31.20	89.32	37.12	-1,016.20	5,641.76	5,572.84	68.92	81.857		
14,500.00	7,069.14	7,151.12	7,109.67	215.11	31.20	89.32	37.12	-1,016.20	5,741.47	5,672.52	68.96	83.262		
14,600.00	7,067.70	7,151.11	7,109.66	217.92	31.20	89.32	37.12	-1,016.20	5,841.20	5,772.20	68.99	84.662		
14,700.00	7,066.25	7,151.10	7,109.65	220.73	31.20	89.32	37.12	-1,016.20	5,940.93	5,871.90	69.03	86.059		
14,800.00	7,064.81	7,151.09	7,109.64	223.54	31.20	89.32	37.12	-1,016.20	6,040.67	5,971.60	69.07	87.452		
14,900.00	7,063.37	7,151.08	7,109.63	226.35	31.20	89.32	37.12	-1,016.20	6,140.42	6,071.30	69.12	88.841		
15,000.00	7,061.92	7,151.06	7,109.62	229.16	31.20	89.32	37.12	-1,016.20	6,240.18	6,171.01	69.16	90.226		
15,100.00	7,060.48	7,151.05	7,109.60	231.98	31.20	89.31	37.12	-1,016.20	6,339.94	6,270.73	69.21	91.607		
15,200.00	7,059.04	7,151.04	7,109.59	234.79	31.20	89.31	37.12	-1,016.20	6,439.71	6,370.46	69.26	92.984		
15,300.00	7,057.60	7,151.03	7,109.58	237.61	31.20	89.31	37.12	-1,016.20	6,539.49	6,470.19	69.31	94.357		
15,400.00	7,056.15	7,151.02	7,109.57	240.42	31.20	89.31	37.12	-1,016.20	6,639.28	6,569.92	69.36	95.726		
15,500.00	7,054.71	7,151.01	7,109.56	243.24	31.20	89.31	37.12	-1,016.20	6,739.07	6,669.66	69.41	97.091		
15,600.00	7,053.27	7,151.00	7,109.55	246.05	31.20	89.31	37.12	-1,016.20	6,838.87	6,769.40	69.46	98.451		
15,687.75	7,052.00	7,150.99	7,109.54	248.53	31.20	89.31	37.12	-1,016.20	6,926.45	6,856.94	69.51	99.642		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-72.74	287.09	-923.92	968.20					
100.00	100.00	57.68	57.68	3.28	3.29	-72.74	287.11	-924.03	967.62	961.05	6.57	147.227		
200.00	200.00	146.35	146.34	3.34	3.34	-72.75	287.27	-925.03	968.76	962.08	6.68	145.112		
300.00	300.00	271.98	271.96	3.44	3.47	-72.78	286.96	-926.03	969.52	962.60	6.92	140.109		
400.00	399.98	448.77	448.52	3.60	3.79	173.47	282.65	-919.22	967.21	959.77	7.44	129.992		
500.00	499.84	603.90	602.50	3.79	4.19	173.30	273.55	-903.00	960.66	952.58	8.08	118.866		
600.00	599.45	765.95	761.75	4.03	4.77	173.03	258.77	-877.08	951.14	942.26	8.88	107.078		
700.00	698.70	866.45	859.82	4.30	5.20	172.84	247.87	-857.98	941.79	932.33	9.46	99.566		
800.00	797.47	986.66	977.01	4.61	5.78	172.64	234.87	-834.62	935.57	925.37	10.20	91.728		
900.00	895.62	1,104.84	1,091.44	4.96	6.42	172.50	221.67	-808.17	929.64	918.66	10.98	84.687		
1,000.00	993.06	1,211.16	1,194.36	5.34	7.04	172.49	210.95	-783.75	927.03	915.29	11.74	78.966		
1,072.05	1,062.74	1,289.84	1,270.19	5.63	7.52	172.46	202.17	-764.72	926.15	913.82	12.33	75.141 CC		
1,100.00	1,089.64	1,316.48	1,295.86	5.75	7.68	172.43	198.97	-758.34	926.30	913.76	12.54	73.864		
1,110.48	1,099.71	1,326.47	1,305.48	5.80	7.75	172.42	197.74	-755.97	926.44	913.82	12.62	73.396		
1,200.00	1,185.67	1,427.66	1,402.81	6.20	8.40	172.28	184.47	-731.64	927.30	913.89	13.41	69.161		
1,300.00	1,281.70	1,507.25	1,479.37	6.67	8.93	172.09	172.94	-713.25	928.76	914.60	14.17	65.556		
1,400.00	1,377.72	1,606.68	1,575.05	7.16	9.59	171.69	156.17	-692.05	931.34	916.29	15.05	61.882		
1,500.00	1,473.75	1,703.19	1,667.39	7.66	10.24	171.03	135.74	-672.88	934.14	918.17	15.97	58.499		
1,600.00	1,569.77	1,802.49	1,761.75	8.17	10.94	170.11	110.99	-654.31	937.16	920.21	16.95	55.280		
1,700.00	1,665.80	1,906.28	1,859.72	8.69	11.70	168.97	82.14	-635.87	940.57	922.54	18.02	52.192		
1,800.00	1,761.82	2,028.41	1,973.27	9.22	12.66	167.36	43.40	-613.11	942.42	923.14	19.28	48.871		
1,900.00	1,857.85	2,137.01	2,072.37	9.76	13.58	165.66	4.35	-592.01	942.98	922.41	20.57	45.840		
2,000.00	1,953.87	2,242.60	2,168.18	10.30	14.53	163.97	-34.45	-570.43	943.08	921.17	21.91	43.034		
2,100.00	2,049.90	2,337.72	2,254.84	10.84	15.39	162.51	-68.44	-550.83	943.97	920.75	23.22	40.656		
2,200.00	2,145.92	2,435.15	2,343.84	11.39	16.28	161.10	-101.99	-529.77	944.72	920.16	24.56	38.458		
2,300.00	2,241.94	2,515.67	2,417.65	11.95	17.01	159.92	-129.91	-513.74	947.70	921.90	25.80	36.726		
2,400.00	2,337.97	2,623.14	2,516.27	12.50	17.99	158.36	-167.07	-492.73	951.74	924.44	27.30	34.857		
2,500.00	2,433.99	2,737.33	2,618.65	13.06	19.11	156.42	-211.51	-468.71	954.48	925.49	28.99	32.921		
2,600.00	2,530.02	2,832.88	2,702.21	13.63	20.12	154.52	-253.03	-448.15	957.36	926.72	30.64	31.247		
2,700.00	2,626.04	2,915.69	2,775.26	14.19	20.98	152.96	-287.94	-430.80	961.95	929.80	32.15	29.923		
2,800.00	2,722.07	3,004.93	2,855.24	14.76	21.88	151.44	-323.27	-412.90	968.41	934.72	33.70	28.739		
2,900.00	2,818.09	3,089.01	2,930.32	15.32	22.74	149.98	-357.45	-396.71	976.53	941.32	35.21	27.734		
3,000.00	2,914.12	3,186.73	3,017.74	15.89	23.72	148.30	-397.16	-378.53	986.16	949.27	36.89	26.730		
3,100.00	3,010.14	3,282.40	3,104.78	16.46	24.65	146.90	-432.64	-360.75	996.27	957.78	38.49	25.886		
3,200.00	3,106.17	3,394.59	3,207.52	17.03	25.72	145.42	-471.97	-338.76	1,005.68	965.44	40.24	24.993		
3,298.02	3,200.29	3,469.43	3,276.28	17.59	26.43	144.46	-498.02	-324.81	1,016.31	974.76	41.54	24.463		
3,300.00	3,202.19	3,471.73	3,278.40	17.60	26.45	144.44	-498.81	-324.40	1,016.54	974.96	41.58	24.448		
3,400.00	3,298.70	3,581.44	3,379.89	18.16	27.46	143.23	-535.27	-304.21	1,026.38	983.11	43.27	23.722		
3,500.00	3,396.07	3,671.94	3,463.26	18.68	28.31	142.09	-566.03	-287.16	1,033.69	988.95	44.75	23.101		
3,600.00	3,494.17	3,755.66	3,539.76	19.18	29.10	140.85	-596.46	-271.92	1,040.00	993.83	46.16	22.528		
3,700.00	3,592.88	3,849.25	3,626.05	19.64	29.98	139.45	-628.96	-255.97	1,045.08	997.41	47.67	21.924		
3,800.00	3,692.10	3,945.16	3,714.62	20.08	30.87	137.91	-661.87	-239.50	1,048.11	998.93	49.19	21.309		
3,900.00	3,791.69	4,033.85	3,795.10	20.49	31.74	136.19	-695.59	-223.67	1,050.03	999.37	50.66	20.727		
4,000.00	3,891.53	4,123.83	3,875.93	20.88	32.66	134.22	-731.51	-207.13	1,050.93	998.76	52.17	20.144		
4,108.50	4,000.00	4,252.74	3,991.34	21.27	34.00	-115.19	-783.35	-182.46	1,050.71	996.45	54.25	19.367		
4,200.00	4,091.50	4,327.98	4,058.81	21.58	34.79	-117.00	-812.67	-166.70	1,049.08	993.62	55.46	18.916		
4,213.71	4,105.21	4,338.42	4,068.21	21.62	34.90	-117.25	-816.72	-164.60	1,049.05	993.42	55.63	18.859		
4,300.00	4,191.50	4,424.18	4,145.25	21.92	35.80	-119.31	-850.13	-147.20	1,049.60	992.64	56.95	18.430		
4,400.00	4,291.50	4,506.44	4,218.61	22.27	36.68	-121.34	-882.92	-129.62	1,051.54	993.34	58.21	18.066		
4,500.00	4,391.50	4,591.24	4,294.08	22.62	37.59	-123.43	-917.35	-112.03	1,056.25	996.80	59.45	17.768		
4,600.00	4,491.50	4,677.27	4,370.72	22.97	38.52	-125.53	-952.19	-94.35	1,062.98	1,002.32	60.66	17.523		
4,700.00	4,591.50	4,779.64	4,461.01	23.33	39.65	-128.10	-995.02	-72.12	1,071.63	1,009.52	62.11	17.255		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,800.00	4,691.50	4,902.73	4,571.22	23.69	40.97	-130.98	-1,042.51	-44.81	1,079.93	1,016.15	63.79	16.930		
4,900.00	4,791.50	4,985.99	4,646.60	24.05	41.82	-132.82	-1,072.88	-26.70	1,088.88	1,024.12	64.77	16.812		
5,000.00	4,891.50	5,059.52	4,713.41	24.42	42.57	-134.39	-1,099.69	-11.73	1,100.26	1,034.73	65.54	16.788		
5,100.00	4,991.50	5,134.46	4,781.28	24.78	43.33	-135.97	-1,127.90	2.87	1,114.44	1,048.17	66.28	16.815		
5,200.00	5,091.50	5,235.84	4,872.77	25.15	44.37	-138.09	-1,166.83	22.63	1,130.62	1,063.22	67.39	16.777		
5,300.00	5,191.50	5,366.27	4,992.60	25.53	45.61	-140.53	-1,212.29	46.77	1,146.15	1,077.29	68.85	16.646		
5,400.00	5,291.50	5,528.53	5,147.33	25.90	46.88	-142.80	-1,254.17	71.37	1,157.23	1,086.77	70.46	16.424		
5,500.00	5,391.50	5,631.57	5,247.49	26.28	47.56	-143.90	-1,275.04	83.55	1,166.64	1,095.35	71.29	16.364		
5,600.00	5,491.50	5,739.53	5,353.00	26.65	48.20	-144.93	-1,294.64	95.24	1,175.25	1,103.12	72.13	16.294		
5,700.00	5,591.50	5,840.97	5,452.80	27.03	48.76	-145.71	-1,310.92	103.37	1,184.00	1,111.12	72.88	16.245		
5,800.00	5,691.50	5,980.33	5,590.83	27.41	49.40	-146.49	-1,328.08	111.27	1,191.16	1,117.34	73.83	16.135		
5,900.00	5,791.50	6,097.29	5,707.25	27.80	49.86	-146.96	-1,338.16	116.42	1,196.00	1,121.42	74.57	16.038		
6,000.00	5,891.50	6,221.89	5,831.61	28.18	50.28	-147.28	-1,344.78	120.08	1,198.86	1,123.55	75.30	15.920		
6,100.00	5,991.50	6,337.66	5,947.34	28.57	50.59	-147.40	-1,347.34	121.51	1,200.05	1,124.08	75.97	15.796		
6,200.00	6,091.50	6,446.40	6,056.07	28.96	50.84	-147.41	-1,347.68	121.56	1,200.28	1,123.68	76.60	15.670		
6,300.00	6,191.50	6,554.32	6,163.97	29.35	51.04	-147.32	-1,346.14	120.10	1,199.80	1,122.60	77.21	15.540		
6,400.00	6,291.50	6,659.24	6,268.82	29.74	51.21	-147.14	-1,343.26	117.61	1,198.78	1,120.97	77.82	15.405		
6,500.00	6,391.50	6,749.34	6,358.83	30.13	51.35	-146.95	-1,340.41	114.65	1,197.93	1,119.50	78.43	15.275		
6,528.00	6,419.50	6,773.03	6,382.50	30.24	51.40	-146.90	-1,339.78	113.77	1,197.87	1,119.28	78.60	15.240		
6,600.00	6,491.50	6,831.49	6,440.93	30.52	51.51	-146.82	-1,339.18	112.24	1,198.28	1,119.25	79.03	15.162		
6,639.95	6,531.45	6,868.38	6,477.82	30.68	51.59	-146.81	-1,339.49	111.76	1,198.84	1,119.56	79.27	15.123		
6,650.00	6,541.50	6,879.87	6,489.30	30.72	51.61	-54.95	-1,339.57	111.62	1,198.92	1,119.59	79.34	15.112		
6,700.00	6,591.41	6,936.93	6,546.35	30.90	51.73	-55.12	-1,339.66	110.73	1,197.83	1,118.21	79.62	15.044		
6,750.00	6,640.95	6,978.52	6,587.94	31.09	51.83	-55.55	-1,339.62	109.98	1,194.49	1,114.63	79.86	14.957		
6,800.00	6,689.82	7,017.81	6,627.22	31.29	51.91	-56.25	-1,340.00	109.30	1,189.38	1,109.32	80.06	14.856		
6,850.00	6,737.71	7,059.53	6,668.93	31.49	52.02	-57.26	-1,340.87	108.73	1,182.53	1,102.29	80.24	14.737		
6,900.00	6,784.33	7,101.31	6,710.68	31.70	52.14	-58.58	-1,342.23	108.64	1,173.96	1,093.57	80.39	14.603		
6,950.00	6,829.39	7,146.01	6,755.34	31.92	52.27	-60.28	-1,344.07	108.90	1,163.80	1,083.29	80.51	14.455		
7,000.00	6,872.61	7,193.81	6,803.12	32.15	52.40	-62.33	-1,345.55	108.58	1,151.98	1,071.37	80.61	14.290		
7,050.00	6,913.73	7,240.26	6,849.55	32.41	52.51	-64.65	-1,346.41	107.62	1,138.69	1,058.02	80.67	14.115		
7,100.00	6,952.49	7,284.74	6,894.01	32.68	52.61	-67.21	-1,346.83	106.35	1,124.18	1,043.49	80.69	13.932		
7,150.00	6,988.66	7,331.66	6,940.90	32.98	52.71	-70.13	-1,346.75	104.55	1,108.71	1,028.05	80.66	13.745		
7,200.00	7,022.01	7,378.38	6,987.54	33.31	52.79	-73.32	-1,345.84	102.11	1,092.44	1,011.85	80.59	13.555		
7,250.00	7,052.33	7,415.14	7,024.23	33.67	52.86	-76.34	-1,344.77	100.10	1,075.82	995.34	80.48	13.367		
7,300.00	7,079.44	7,445.27	7,054.33	34.07	52.92	-79.23	-1,344.06	99.08	1,059.46	979.13	80.33	13.189		
7,350.00	7,103.17	7,470.34	7,079.40	34.51	52.97	-81.92	-1,343.61	98.69	1,043.83	963.70	80.13	13.027		
7,400.00	7,123.38	7,491.37	7,100.42	34.98	53.01	-84.37	-1,343.28	98.54	1,029.36	949.46	79.90	12.883		
7,450.00	7,139.94	7,509.10	7,118.15	35.50	53.04	-86.53	-1,342.97	98.34	1,016.40	936.77	79.64	12.763		
7,500.00	7,152.75	7,523.30	7,132.35	36.05	53.07	-88.35	-1,342.70	98.13	1,005.29	925.95	79.34	12.671		
7,550.00	7,161.73	7,533.77	7,142.81	36.64	53.09	-89.77	-1,342.49	97.94	996.30	917.29	79.02	12.609		
7,600.00	7,166.82	7,540.30	7,149.34	37.26	53.11	-90.75	-1,342.35	97.80	989.67	911.00	78.67	12.581 SF		
7,649.14	7,168.00	7,542.69	7,151.73	37.89	53.11	-91.25	-1,342.30	97.75	985.61	907.30	78.31	12.586		
7,700.00	7,167.27	7,543.06	7,152.09	38.57	53.11	-91.28	-1,342.29	97.75	984.02	906.07	77.95	12.623 ES		
7,705.43	7,167.19	7,543.10	7,152.13	38.65	53.11	-91.28	-1,342.29	97.74	984.00	906.08	77.92	12.628		
7,800.00	7,165.83	7,543.80	7,152.84	40.04	53.11	-91.32	-1,342.28	97.73	988.54	911.17	77.37	12.777		
7,900.00	7,164.38	7,544.58	7,153.62	41.66	53.12	-91.36	-1,342.26	97.71	1,003.06	926.07	76.98	13.030		
8,000.00	7,162.94	7,545.41	7,154.44	43.40	53.12	-91.41	-1,342.24	97.69	1,027.15	950.31	76.83	13.368		
8,100.00	7,161.50	7,546.28	7,155.32	45.26	53.12	-91.46	-1,342.22	97.67	1,060.16	983.23	76.93	13.780		
8,200.00	7,160.05	7,547.21	7,156.25	47.21	53.12	-91.52	-1,342.20	97.65	1,101.30	1,024.04	77.26	14.254		
8,300.00	7,158.61	7,548.20	7,157.24	49.26	53.12	-91.58	-1,342.18	97.63	1,149.68	1,071.91	77.77	14.784		
8,400.00	7,157.17	7,549.25	7,158.29	51.38	53.13	-91.64	-1,342.16	97.61	1,204.44	1,126.04	78.40	15.363		
8,500.00	7,155.73	7,550.38	7,159.41	53.57	53.13	-91.70	-1,342.13	97.58	1,264.74	1,185.64	79.10	15.989		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,600.00	7,154.28	7,551.58	7,160.61	55.82	53.13	-91.77	-1,342.11	97.55	1,329.84	1,250.02	79.82	16.660		
8,700.00	7,152.84	7,552.87	7,161.90	58.12	53.13	-91.85	-1,342.08	97.52	1,399.06	1,318.52	80.54	17.371		
8,800.00	7,151.40	7,554.25	7,163.28	60.47	53.14	-91.93	-1,342.05	97.49	1,471.83	1,390.60	81.23	18.120		
8,900.00	7,149.95	7,555.74	7,164.77	62.86	53.14	-92.01	-1,342.01	97.45	1,547.63	1,465.76	81.87	18.903		
9,000.00	7,148.51	7,557.35	7,166.38	65.28	53.14	-92.11	-1,341.97	97.41	1,626.06	1,543.59	82.47	19.718		
9,100.00	7,147.07	7,559.10	7,168.13	67.74	53.15	-92.21	-1,341.93	97.37	1,706.74	1,623.72	83.01	20.560		
9,200.00	7,145.62	7,561.00	7,170.03	70.23	53.15	-92.32	-1,341.89	97.32	1,789.37	1,705.85	83.51	21.426		
9,300.00	7,144.18	7,563.07	7,172.10	72.74	53.15	-92.44	-1,341.84	97.26	1,873.69	1,789.72	83.97	22.314		
9,400.00	7,142.74	7,565.35	7,174.37	75.28	53.16	-92.57	-1,341.79	97.20	1,959.49	1,875.11	84.38	23.222		
9,500.00	7,141.29	7,567.85	7,176.87	77.84	53.16	-92.72	-1,341.73	97.14	2,046.57	1,961.82	84.76	24.147		
9,600.00	7,139.85	7,570.62	7,179.64	80.42	53.17	-92.88	-1,341.66	97.06	2,134.79	2,049.69	85.10	25.087		
9,700.00	7,138.41	7,573.70	7,182.72	83.01	53.17	-93.06	-1,341.59	96.97	2,224.00	2,138.60	85.41	26.040		
9,800.00	7,136.97	7,577.15	7,186.17	85.62	53.18	-93.26	-1,341.50	96.87	2,314.09	2,228.40	85.69	27.005		
9,900.00	7,135.52	9,900.00	7,150.38	88.25	57.99	-91.18	-1,342.27	97.62	2,404.92	2,312.63	92.29	26.059		
10,000.00	7,134.08	10,000.00	7,150.42	90.89	58.20	-91.18	-1,342.27	97.62	2,496.50	2,403.76	92.74	26.919		
10,100.00	7,132.64	10,100.00	7,150.46	93.54	58.41	-91.18	-1,342.26	97.62	2,588.71	2,495.53	93.18	27.783		
10,200.00	7,131.19	10,200.00	7,150.50	96.20	58.62	-91.18	-1,342.26	97.62	2,681.47	2,587.88	93.60	28.650		
10,300.00	7,129.75	10,300.00	7,150.54	98.87	58.83	-91.19	-1,342.26	97.62	2,774.74	2,680.74	94.00	29.519		
10,400.00	7,128.31	10,400.00	7,150.58	101.55	59.04	-91.19	-1,342.26	97.62	2,868.46	2,774.07	94.39	30.389		
10,500.00	7,126.86	10,500.00	7,150.62	104.24	59.26	-91.19	-1,342.26	97.62	2,962.59	2,867.82	94.77	31.260		
10,600.00	7,125.42	10,600.00	7,150.66	106.94	59.47	-91.19	-1,342.26	97.62	3,057.10	2,961.95	95.14	32.132		
10,700.00	7,123.98	10,700.00	7,150.70	109.64	59.68	-91.19	-1,342.26	97.62	3,151.94	3,056.43	95.50	33.003		
10,800.00	7,122.53	7,584.25	7,193.26	112.36	53.19	-93.67	-1,341.33	96.70	3,247.09	3,159.43	87.66	37.042		
10,900.00	7,121.09	7,585.90	7,194.91	115.08	53.20	-93.77	-1,341.28	96.65	3,342.51	3,254.72	87.79	38.073		
11,000.00	7,119.65	7,587.57	7,196.58	117.80	53.20	-93.87	-1,341.24	96.61	3,438.20	3,350.28	87.92	39.106		
11,100.00	7,118.20	7,589.27	7,198.28	120.53	53.20	-93.96	-1,341.20	96.56	3,534.13	3,446.08	88.04	40.141		
11,200.00	7,116.76	7,591.00	7,200.00	123.26	53.21	-94.06	-1,341.15	96.51	3,630.27	3,542.11	88.16	41.178		
11,300.00	7,115.32	7,592.75	7,201.76	126.00	53.21	-94.17	-1,341.11	96.47	3,726.62	3,638.35	88.27	42.218		
11,400.00	7,113.88	7,594.53	7,203.54	128.75	53.21	-94.27	-1,341.06	96.42	3,823.15	3,734.77	88.38	43.259		
11,500.00	7,112.43	7,596.35	7,205.35	131.50	53.22	-94.38	-1,341.01	96.36	3,919.86	3,831.37	88.48	44.301		
11,600.00	7,110.99	7,598.19	7,207.19	134.25	53.22	-94.48	-1,340.96	96.31	4,016.73	3,928.14	88.58	45.344		
11,700.00	7,109.55	7,600.06	7,209.06	137.01	53.22	-94.59	-1,340.92	96.26	4,113.74	4,025.06	88.68	46.388		
11,800.00	7,108.10	7,601.97	7,210.97	139.77	53.23	-94.70	-1,340.86	96.21	4,210.90	4,122.12	88.78	47.433		
11,900.00	7,106.66	7,603.91	7,212.90	142.53	53.23	-94.81	-1,340.81	96.15	4,308.18	4,219.32	88.87	48.478		
12,000.00	7,105.22	7,605.88	7,214.87	145.30	53.23	-94.93	-1,340.76	96.09	4,405.59	4,316.63	88.96	49.524		
12,100.00	7,103.77	7,607.88	7,216.88	148.06	53.24	-95.05	-1,340.70	96.04	4,503.11	4,414.06	89.05	50.571		
12,200.00	7,102.33	7,609.92	7,218.91	150.84	53.24	-95.16	-1,340.65	95.98	4,600.74	4,511.60	89.13	51.617		
12,300.00	7,100.89	7,612.00	7,220.99	153.61	53.25	-95.28	-1,340.59	95.92	4,698.46	4,609.24	89.22	52.663		
12,400.00	7,099.44	7,614.11	7,223.10	156.39	53.25	-95.41	-1,340.53	95.86	4,796.28	4,706.98	89.30	53.709		
12,500.00	7,098.00	7,616.26	7,225.25	159.17	53.25	-95.53	-1,340.47	95.79	4,894.18	4,804.80	89.38	54.755		
12,600.00	7,096.56	7,618.45	7,227.43	161.95	53.26	-95.66	-1,340.41	95.73	4,992.17	4,902.71	89.46	55.801		
12,700.00	7,095.12	7,620.68	7,229.66	164.73	53.26	-95.79	-1,340.35	95.66	5,090.24	5,000.69	89.54	56.846		
12,800.00	7,093.67	7,622.95	7,231.93	167.52	53.27	-95.92	-1,340.29	95.60	5,188.38	5,098.75	89.62	57.891		
12,900.00	7,092.23	7,625.26	7,234.24	170.31	53.27	-96.05	-1,340.22	95.53	5,286.58	5,196.88	89.70	58.935		
13,000.00	7,090.79	7,627.61	7,236.59	173.09	53.28	-96.19	-1,340.15	95.46	5,384.86	5,295.08	89.78	59.979		
13,100.00	7,089.34	7,630.02	7,238.99	175.89	53.28	-96.33	-1,340.08	95.39	5,483.19	5,393.34	89.86	61.022		
13,200.00	7,087.90	7,632.46	7,241.44	178.68	53.29	-96.47	-1,340.01	95.31	5,581.59	5,491.65	89.93	62.063		
13,300.00	7,086.46	7,634.95	7,243.93	181.47	53.29	-96.61	-1,339.94	95.24	5,680.04	5,590.03	90.01	63.104		
13,400.00	7,085.01	7,637.50	7,246.47	184.27	53.30	-96.76	-1,339.86	95.16	5,778.54	5,688.45	90.09	64.145		
13,500.00	7,083.57	7,640.09	7,249.06	187.07	53.30	-96.91	-1,339.79	95.08	5,877.09	5,786.93	90.16	65.184		
13,600.00	7,082.13	13,600.00	7,277.50	189.86	64.81	-98.55	-1,338.87	94.12	5,975.65	5,872.18	103.48	57.749		
13,700.00	7,080.68	13,700.00	7,279.43	192.66	65.01	-98.66	-1,338.80	94.05	6,074.29	5,970.54	103.76	58.544		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
13,800.00	7,079.24	13,800.00	7,281.36	195.47	65.21	-98.77	-1,338.74	93.98	6,172.97	6,068.94	104.03	59.336		
13,900.00	7,077.80	13,900.00	7,283.28	198.27	65.41	-98.88	-1,338.68	93.92	6,271.69	6,167.38	104.31	60.124		
14,000.00	7,076.36	14,000.00	7,285.21	201.07	65.62	-98.99	-1,338.61	93.85	6,370.45	6,265.86	104.59	60.908		
14,100.00	7,074.91	7,703.61	7,312.50	203.88	53.42	-100.55	-1,337.68	92.85	6,469.25	6,378.66	90.59	71.411		
14,200.00	7,073.47	7,705.90	7,314.79	206.68	53.42	-100.68	-1,337.60	92.76	6,568.07	6,477.41	90.67	72.440		
14,300.00	7,072.03	7,708.18	7,317.07	209.49	53.43	-100.81	-1,337.52	92.67	6,666.93	6,576.19	90.75	73.468		
14,400.00	7,070.58	7,710.47	7,319.36	212.30	53.43	-100.94	-1,337.43	92.59	6,765.83	6,675.00	90.82	74.495		
14,500.00	7,069.14	7,712.76	7,321.64	215.11	53.43	-101.07	-1,337.35	92.50	6,864.75	6,773.85	90.90	75.520		
14,600.00	7,067.70	7,715.05	7,323.93	217.92	53.44	-101.20	-1,337.27	92.41	6,963.71	6,872.73	90.98	76.543		
14,700.00	7,066.25	7,717.34	7,326.21	220.73	53.44	-101.33	-1,337.19	92.32	7,062.69	6,971.63	91.06	77.565		
14,800.00	7,064.81	7,719.62	7,328.50	223.54	53.45	-101.46	-1,337.11	92.23	7,161.70	7,070.56	91.13	78.585		
14,900.00	7,063.37	7,721.91	7,330.78	226.35	53.45	-101.59	-1,337.03	92.15	7,260.73	7,169.52	91.21	79.603		
15,000.00	7,061.92	7,724.20	7,333.07	229.16	53.45	-101.72	-1,336.95	92.06	7,359.80	7,268.51	91.29	80.620		
15,100.00	7,060.48	7,726.49	7,335.35	231.98	53.46	-101.85	-1,336.87	91.97	7,458.88	7,367.51	91.37	81.635		
15,200.00	7,059.04	7,728.78	7,337.63	234.79	53.46	-101.98	-1,336.78	91.88	7,557.99	7,466.55	91.45	82.648		
15,300.00	7,057.60	7,731.06	7,339.92	237.61	53.47	-102.11	-1,336.70	91.79	7,657.13	7,565.60	91.53	83.660		
15,400.00	7,056.15	7,733.35	7,342.20	240.42	53.47	-102.24	-1,336.62	91.71	7,756.28	7,664.67	91.61	84.669		
15,500.00	7,054.71	7,735.64	7,344.49	243.24	53.48	-102.37	-1,336.54	91.62	7,855.45	7,763.77	91.69	85.677		
15,600.00	7,053.27	7,737.93	7,346.77	246.05	53.48	-102.49	-1,336.46	91.53	7,954.65	7,862.88	91.77	86.683		
15,687.75	7,052.00	7,739.94	7,348.78	248.53	53.48	-102.61	-1,336.39	91.45	8,041.71	7,949.87	91.84	87.564		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-71.21	317.69	-933.66	986.92					
100.00	100.00	60.59	60.59	3.28	3.29	-71.21	317.73	-933.70	986.28	979.71	6.57	150.054		
200.00	200.00	155.46	155.46	3.34	3.34	-71.19	318.10	-934.08	986.79	980.11	6.68	147.704		
300.00	300.00	252.35	252.34	3.44	3.45	-71.17	318.82	-934.78	987.71	980.82	6.90	143.215		
400.00	399.98	348.62	348.61	3.60	3.60	175.22	319.73	-935.78	990.74	983.53	7.20	137.510		
500.00	499.84	452.68	452.65	3.79	3.82	175.27	320.73	-936.76	997.16	989.54	7.61	130.996		
600.00	599.45	551.90	551.87	4.03	4.06	175.32	321.49	-937.56	1,006.85	998.76	8.09	124.469		
700.00	698.70	650.80	650.76	4.30	4.33	175.38	322.36	-938.44	1,020.11	1,011.48	8.63	118.211		
800.00	797.47	750.85	750.80	4.61	4.62	175.40	322.16	-939.51	1,036.64	1,027.42	9.22	112.398		
900.00	895.62	852.14	852.07	4.96	4.93	175.35	320.76	-940.90	1,056.49	1,046.63	9.86	107.141		
1,000.00	993.06	965.99	965.84	5.34	5.30	175.20	316.82	-942.08	1,078.76	1,068.18	10.58	101.993		
1,100.00	1,089.64	1,063.86	1,063.48	5.75	5.63	174.91	310.15	-943.29	1,103.55	1,092.27	11.28	97.842		
1,110.48	1,099.71	1,073.85	1,073.44	5.80	5.66	174.89	309.47	-943.42	1,106.35	1,094.99	11.36	97.399		
1,200.00	1,185.67	1,150.66	1,150.01	6.20	5.94	174.67	303.64	-944.97	1,130.80	1,118.83	11.97	94.479		
1,300.00	1,281.70	1,237.34	1,236.23	6.67	6.26	174.33	295.28	-948.03	1,158.89	1,146.21	12.68	91.400		
1,400.00	1,377.72	1,324.93	1,322.97	7.16	6.61	173.84	284.12	-952.66	1,187.74	1,174.31	13.42	88.487		
1,500.00	1,473.75	1,461.96	1,458.08	7.66	7.19	172.92	262.33	-959.45	1,215.54	1,201.10	14.44	84.169		
1,600.00	1,569.77	1,570.71	1,565.01	8.17	7.68	172.16	242.72	-962.29	1,240.64	1,225.28	15.36	80.749		
1,700.00	1,665.80	1,671.12	1,663.14	8.69	8.17	171.35	221.72	-965.61	1,265.86	1,249.57	16.29	77.730		
1,800.00	1,761.82	1,829.12	1,816.17	9.22	9.00	169.90	182.57	-967.95	1,288.65	1,271.06	17.59	73.259		
1,900.00	1,857.85	1,948.02	1,930.15	9.76	9.67	168.71	148.80	-966.56	1,308.40	1,289.67	18.73	69.862		
2,000.00	1,953.87	2,049.05	2,025.95	10.30	10.30	167.58	116.75	-965.18	1,327.65	1,307.83	19.82	66.996		
2,100.00	2,049.90	2,141.58	2,112.46	10.84	10.93	166.42	83.94	-964.43	1,347.15	1,326.24	20.91	64.413		
2,200.00	2,145.92	2,204.08	2,170.13	11.39	11.38	165.56	59.87	-965.16	1,368.52	1,346.70	21.82	62.713		
2,300.00	2,241.94	2,285.35	2,244.24	11.95	12.01	164.37	26.65	-967.90	1,392.20	1,369.29	22.91	60.766		
2,400.00	2,337.97	2,385.73	2,335.05	12.50	12.83	162.88	-15.99	-971.42	1,416.63	1,392.42	24.21	58.510		
2,500.00	2,433.99	2,455.73	2,398.29	13.06	13.42	161.86	-45.89	-973.97	1,441.99	1,416.75	25.24	57.124		
2,600.00	2,530.02	2,529.93	2,465.32	13.63	14.05	160.81	-77.48	-977.88	1,469.56	1,443.24	26.32	55.839		
2,700.00	2,626.04	2,612.47	2,539.88	14.19	14.77	159.68	-112.56	-982.74	1,498.44	1,470.96	27.49	54.516		
2,800.00	2,722.07	2,691.50	2,611.19	14.76	15.47	158.62	-146.23	-987.82	1,528.52	1,499.89	28.62	53.400		
2,900.00	2,818.09	2,769.97	2,681.71	15.32	16.18	157.58	-180.16	-993.59	1,560.06	1,530.30	29.76	52.421		
3,000.00	2,914.12	2,866.11	2,768.21	15.89	17.06	156.35	-221.53	-1,000.66	1,592.27	1,561.16	31.11	51.181		
3,100.00	3,010.14	2,964.20	2,856.78	16.46	17.96	155.18	-263.11	-1,007.45	1,624.68	1,592.19	32.49	50.010		
3,200.00	3,106.17	3,063.33	2,946.26	17.03	18.87	154.03	-305.31	-1,013.70	1,657.08	1,623.20	33.88	48.911		
3,298.02	3,200.29	3,172.62	3,045.79	17.59	19.87	152.88	-350.04	-1,019.90	1,688.72	1,653.34	35.38	47.735		
3,300.00	3,202.19	3,175.05	3,048.01	17.60	19.89	152.87	-351.00	-1,020.02	1,689.35	1,653.94	35.41	47.709		
3,400.00	3,298.70	3,277.60	3,141.83	18.16	20.82	152.13	-392.15	-1,024.65	1,719.40	1,682.58	36.82	46.703		
3,500.00	3,396.07	3,368.61	3,225.10	18.68	21.64	151.47	-428.66	-1,028.57	1,746.75	1,708.68	38.07	45.886		
3,600.00	3,494.17	3,475.92	3,323.77	19.18	22.60	150.64	-470.64	-1,032.87	1,771.26	1,731.77	39.48	44.860		
3,700.00	3,592.88	3,555.25	3,396.50	19.64	23.32	150.03	-502.13	-1,036.12	1,793.42	1,752.86	40.56	44.219		
3,800.00	3,692.10	3,657.45	3,490.44	20.08	24.24	149.16	-542.18	-1,040.19	1,813.03	1,771.15	41.88	43.292		
3,900.00	3,791.69	3,739.61	3,566.12	20.49	24.98	148.46	-574.00	-1,043.51	1,830.28	1,787.35	42.93	42.632		
4,000.00	3,891.53	3,798.42	3,619.99	20.88	25.52	147.96	-597.40	-1,046.55	1,846.44	1,802.77	43.68	42.276		
4,108.50	4,000.00	3,900.14	3,712.34	21.27	26.48	-99.46	-639.60	-1,052.64	1,862.67	1,817.74	44.93	41.457		
4,200.00	4,091.50	3,986.26	3,790.18	21.58	27.31	-100.55	-676.14	-1,057.16	1,875.24	1,829.27	45.98	40.788		
4,300.00	4,191.50	4,096.38	3,889.59	21.92	28.38	-101.94	-723.27	-1,062.24	1,889.35	1,842.03	47.32	39.923		
4,400.00	4,291.50	4,188.46	3,972.97	22.27	29.27	-103.07	-762.13	-1,066.23	1,903.93	1,855.51	48.42	39.319		
4,500.00	4,391.50	4,302.18	4,076.71	22.62	30.34	-104.40	-808.52	-1,070.35	1,918.24	1,868.47	49.78	38.537		
4,600.00	4,491.50	4,394.23	4,160.43	22.97	31.21	-105.49	-846.68	-1,073.30	1,933.21	1,882.37	50.85	38.021		
4,700.00	4,591.50	4,483.84	4,242.19	23.33	32.06	-106.52	-883.24	-1,076.08	1,948.66	1,896.78	51.87	37.566		
4,800.00	4,691.50	4,564.25	4,315.87	23.69	32.81	-107.40	-915.27	-1,079.38	1,965.36	1,912.60	52.76	37.249		
4,900.00	4,791.50	4,650.96	4,395.79	24.05	33.60	-108.30	-948.61	-1,083.68	1,982.99	1,929.29	53.71	36.923		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,753.20	4,490.91	24.42	34.49	-109.26	-985.55	-1,089.98	2,001.43	1,946.62	54.81	36.517		
5,100.00	4,991.50	4,892.18	4,621.68	24.78	35.65	-110.45	-1,032.00	-1,097.60	2,018.70	1,962.40	56.30	35.856		
5,200.00	5,091.50	5,013.34	4,736.62	25.15	36.60	-111.41	-1,069.92	-1,103.12	2,034.77	1,977.23	57.54	35.364		
5,300.00	5,191.50	5,134.32	4,852.07	25.53	37.53	-112.30	-1,105.76	-1,107.86	2,049.95	1,991.21	58.74	34.899		
5,400.00	5,291.50	5,246.95	4,960.27	25.90	38.35	-113.06	-1,136.73	-1,112.09	2,064.44	2,004.62	59.82	34.510		
5,500.00	5,391.50	5,381.78	5,090.84	26.28	39.26	-113.86	-1,169.96	-1,116.98	2,077.88	2,016.81	61.06	34.030		
5,600.00	5,491.50	5,509.12	5,215.13	26.65	40.06	-114.50	-1,197.30	-1,121.25	2,089.92	2,027.75	62.18	33.612		
5,700.00	5,591.50	5,641.06	5,344.83	27.03	40.81	-115.04	-1,221.10	-1,125.59	2,100.58	2,037.31	63.26	33.203		
5,800.00	5,691.50	5,784.46	5,486.59	27.41	41.55	-115.52	-1,242.24	-1,129.94	2,109.74	2,045.37	64.37	32.775		
5,900.00	5,791.50	5,943.02	5,644.12	27.80	42.27	-115.91	-1,259.99	-1,132.95	2,116.34	2,050.87	65.48	32.323		
6,000.00	5,891.50	6,045.25	5,745.91	28.18	42.70	-116.13	-1,269.29	-1,134.11	2,121.37	2,055.11	66.25	32.020		
6,100.00	5,991.50	6,147.63	5,847.90	28.57	43.12	-116.33	-1,278.18	-1,135.45	2,126.39	2,059.37	67.02	31.725		
6,200.00	6,091.50	6,230.91	5,930.88	28.96	43.46	-116.47	-1,284.93	-1,137.13	2,131.81	2,064.11	67.70	31.489		
6,300.00	6,191.50	6,323.04	6,022.71	29.35	43.83	-116.61	-1,292.04	-1,139.79	2,137.84	2,069.43	68.41	31.250		
6,400.00	6,291.50	6,451.18	6,150.54	29.74	44.31	-116.74	-1,299.67	-1,143.90	2,143.40	2,074.13	69.27	30.941		
6,500.00	6,391.50	6,578.61	6,277.83	30.13	44.74	-116.81	-1,304.40	-1,147.47	2,147.57	2,077.47	70.10	30.636		
6,600.00	6,491.50	6,687.81	6,386.97	30.52	45.06	-116.81	-1,305.93	-1,150.79	2,150.91	2,080.09	70.82	30.371		
6,639.95	6,531.45	6,730.79	6,429.93	30.68	45.18	-116.79	-1,305.92	-1,152.28	2,152.14	2,081.04	71.10	30.270		
6,650.00	6,541.50	6,741.61	6,440.73	30.72	45.21	-24.92	-1,305.87	-1,152.67	2,152.36	2,081.20	71.17	30.244		
6,700.00	6,591.41	6,796.70	6,495.78	30.90	45.35	-24.96	-1,305.30	-1,154.71	2,151.30	2,079.80	71.49	30.090		
6,750.00	6,640.95	6,852.70	6,551.73	31.09	45.48	-25.18	-1,304.31	-1,156.83	2,146.54	2,074.73	71.81	29.892		
6,800.00	6,689.82	6,926.69	6,625.65	31.29	45.65	-25.62	-1,302.22	-1,159.43	2,137.91	2,065.75	72.15	29.630		
6,850.00	6,737.71	6,988.39	6,687.29	31.49	45.79	-26.27	-1,300.18	-1,161.09	2,125.36	2,052.91	72.45	29.335		
6,900.00	6,784.33	7,045.57	6,744.46	31.70	45.92	-27.19	-1,299.11	-1,161.88	2,109.21	2,036.49	72.72	29.005		
6,950.00	6,829.39	7,092.20	6,791.09	31.92	46.06	-28.36	-1,299.14	-1,161.95	2,089.73	2,016.75	72.98	28.634		
7,000.00	6,872.61	7,137.15	6,836.02	32.15	46.19	-29.83	-1,299.88	-1,161.56	2,067.10	1,993.88	73.22	28.232		
7,050.00	6,913.73	7,178.39	6,877.26	32.41	46.32	-31.61	-1,300.57	-1,161.19	2,041.54	1,968.10	73.44	27.798		
7,100.00	6,952.49	7,217.33	6,916.20	32.68	46.43	-33.75	-1,301.08	-1,160.90	2,013.26	1,939.61	73.65	27.335		
7,150.00	6,988.66	7,240.08	6,938.94	32.98	46.50	-36.09	-1,301.30	-1,160.89	1,982.62	1,908.81	73.81	26.863		
7,200.00	7,022.01	7,264.01	6,962.88	33.31	46.57	-38.89	-1,301.49	-1,161.03	1,949.83	1,875.87	73.96	26.365		
7,250.00	7,052.33	7,286.16	6,985.03	33.67	46.64	-42.18	-1,301.61	-1,161.31	1,915.10	1,841.01	74.10	25.845		
7,300.00	7,079.44	7,309.60	7,008.46	34.07	46.71	-46.13	-1,301.69	-1,161.74	1,878.65	1,804.40	74.24	25.305		
7,350.00	7,103.17	7,333.65	7,032.50	34.51	46.77	-50.81	-1,301.76	-1,162.21	1,840.62	1,766.24	74.38	24.745		
7,400.00	7,123.38	7,354.33	7,053.18	34.98	46.83	-56.19	-1,301.81	-1,162.62	1,801.29	1,726.77	74.52	24.171		
7,450.00	7,139.94	7,371.49	7,070.34	35.50	46.88	-62.22	-1,301.86	-1,162.97	1,760.95	1,686.29	74.66	23.586		
7,500.00	7,152.75	7,385.04	7,083.88	36.05	46.92	-68.79	-1,301.89	-1,163.25	1,719.88	1,645.08	74.80	22.993		
7,550.00	7,161.73	7,395.33	7,094.17	36.64	46.95	-75.74	-1,301.90	-1,163.46	1,678.40	1,603.46	74.94	22.396		
7,600.00	7,166.82	7,401.70	7,100.54	37.26	46.97	-82.75	-1,301.91	-1,163.60	1,636.80	1,561.70	75.09	21.797		
7,649.14	7,168.00	7,404.04	7,102.87	37.89	46.98	-89.42	-1,301.91	-1,163.65	1,596.09	1,520.84	75.24	21.212		
7,700.00	7,167.27	7,404.42	7,103.26	38.57	46.98	-89.44	-1,301.91	-1,163.66	1,554.41	1,478.98	75.43	20.609		
7,800.00	7,165.83	7,405.19	7,104.03	40.04	46.98	-89.49	-1,301.91	-1,163.68	1,474.14	1,398.25	75.89	19.424		
7,900.00	7,164.38	7,405.96	7,104.80	41.66	46.98	-89.54	-1,301.91	-1,163.69	1,396.42	1,319.89	76.53	18.247		
8,000.00	7,162.94	7,406.74	7,105.58	43.40	46.98	-89.59	-1,301.91	-1,163.71	1,321.71	1,244.34	77.37	17.084		
8,100.00	7,161.50	7,407.53	7,106.37	45.26	46.99	-89.64	-1,301.91	-1,163.73	1,250.53	1,172.09	78.43	15.944		
8,200.00	7,160.05	7,408.32	7,107.16	47.21	46.99	-89.69	-1,301.91	-1,163.75	1,183.52	1,103.77	79.76	14.839		
8,300.00	7,158.61	7,409.13	7,107.97	49.26	46.99	-89.74	-1,301.91	-1,163.76	1,121.44	1,040.08	81.36	13.784		
8,400.00	7,157.17	7,409.94	7,108.78	51.38	46.99	-89.79	-1,301.91	-1,163.78	1,065.14	981.90	83.25	12.795		
8,500.00	7,155.73	7,410.76	7,109.60	53.57	47.00	-89.85	-1,301.91	-1,163.80	1,015.59	930.16	85.43	11.888		
8,600.00	7,154.28	7,411.59	7,110.43	55.82	47.00	-89.90	-1,301.91	-1,163.82	973.82	885.93	87.89	11.080		
8,700.00	7,152.84	7,412.42	7,111.26	58.12	47.00	-89.95	-1,301.91	-1,163.84	940.87	850.29	90.58	10.387		
8,800.00	7,151.40	7,413.27	7,112.11	60.47	47.00	-90.01	-1,301.91	-1,163.86	917.68	824.24	93.44	9.821		
8,900.00	7,149.95	7,414.12	7,112.96	62.86	47.00	-90.06	-1,301.91	-1,163.87	905.00	808.67	96.34	9.394		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,965.52	7,149.01	7,414.69	7,113.52	64.44	47.01	-90.10	-1,301.90	-1,163.89	902.63	804.43	98.20	9.192 CC		
9,000.00	7,148.51	7,414.99	7,113.82	65.28	47.01	-90.12	-1,301.90	-1,163.89	903.29	804.15	99.14	9.112 ES		
9,100.00	7,147.07	7,415.86	7,114.69	67.74	47.01	-90.17	-1,301.90	-1,163.91	912.59	810.91	101.68	8.976 SF		
9,200.00	7,145.62	7,416.74	7,115.57	70.23	47.01	-90.23	-1,301.90	-1,163.93	932.58	828.77	103.82	8.983		
9,300.00	7,144.18	7,417.63	7,116.46	72.74	47.01	-90.28	-1,301.90	-1,163.95	962.60	857.13	105.47	9.127		
9,400.00	7,142.74	7,418.53	7,117.36	75.28	47.02	-90.34	-1,301.90	-1,163.97	1,001.75	895.12	106.63	9.395		
9,500.00	7,141.29	7,419.44	7,118.27	77.84	47.02	-90.40	-1,301.90	-1,163.99	1,048.99	941.68	107.32	9.775		
9,600.00	7,139.85	7,420.35	7,119.19	80.42	47.02	-90.46	-1,301.90	-1,164.01	1,103.30	995.69	107.61	10.253		
9,700.00	7,138.41	7,421.28	7,120.12	83.01	47.03	-90.51	-1,301.90	-1,164.03	1,163.68	1,056.09	107.59	10.816		
9,800.00	7,136.97	7,422.22	7,121.05	85.62	47.03	-90.57	-1,301.89	-1,164.06	1,229.24	1,121.91	107.33	11.452		
9,900.00	7,135.52	7,423.17	7,122.00	88.25	47.03	-90.63	-1,301.89	-1,164.08	1,299.20	1,192.29	106.91	12.152		
10,000.00	7,134.08	7,424.13	7,122.96	90.89	47.03	-90.70	-1,301.89	-1,164.10	1,372.88	1,266.50	106.38	12.905		
10,100.00	7,132.64	7,425.09	7,123.93	93.54	47.04	-90.76	-1,301.89	-1,164.12	1,449.72	1,343.93	105.79	13.704		
10,200.00	7,131.19	7,426.07	7,124.91	96.20	47.04	-90.82	-1,301.89	-1,164.14	1,529.24	1,424.08	105.15	14.543		
10,300.00	7,129.75	7,427.06	7,125.90	98.87	47.04	-90.88	-1,301.88	-1,164.17	1,611.04	1,506.53	104.51	15.415		
10,400.00	7,128.31	7,428.06	7,126.90	101.55	47.04	-90.95	-1,301.88	-1,164.19	1,694.79	1,590.92	103.87	16.317		
10,500.00	7,126.86	7,429.08	7,127.91	104.24	47.05	-91.01	-1,301.88	-1,164.21	1,780.22	1,676.98	103.24	17.243		
10,600.00	7,125.42	7,430.10	7,128.93	106.94	47.05	-91.07	-1,301.88	-1,164.24	1,867.10	1,764.47	102.63	18.192		
10,700.00	7,123.98	7,431.13	7,129.97	109.64	47.05	-91.14	-1,301.87	-1,164.26	1,955.23	1,853.18	102.05	19.159		
10,800.00	7,122.53	7,432.18	7,131.01	112.36	47.06	-91.21	-1,301.87	-1,164.28	2,044.46	1,942.96	101.50	20.143		
10,900.00	7,121.09	7,433.24	7,132.07	115.08	47.06	-91.27	-1,301.87	-1,164.31	2,134.63	2,033.66	100.97	21.141		
11,000.00	7,119.65	7,434.31	7,133.14	117.80	47.06	-91.34	-1,301.87	-1,164.33	2,225.65	2,125.18	100.48	22.151		
11,100.00	7,118.20	7,435.39	7,134.23	120.53	47.06	-91.41	-1,301.86	-1,164.36	2,317.41	2,217.40	100.01	23.172		
11,200.00	7,116.76	7,436.49	7,135.32	123.26	47.07	-91.48	-1,301.86	-1,164.38	2,409.82	2,310.26	99.57	24.203		
11,300.00	7,115.32	7,437.60	7,136.43	126.00	47.07	-91.55	-1,301.85	-1,164.41	2,502.82	2,403.67	99.15	25.243		
11,400.00	7,113.88	7,438.72	7,137.55	128.75	47.07	-91.62	-1,301.85	-1,164.44	2,596.34	2,497.58	98.76	26.289		
11,500.00	7,112.43	7,439.85	7,138.68	131.50	47.08	-91.69	-1,301.85	-1,164.46	2,690.32	2,591.93	98.39	27.342		
11,600.00	7,110.99	7,441.00	7,139.83	134.25	47.08	-91.77	-1,301.84	-1,164.49	2,784.72	2,686.67	98.05	28.401		
11,700.00	7,109.55	7,442.16	7,140.99	137.01	47.08	-91.84	-1,301.84	-1,164.52	2,879.50	2,781.77	97.73	29.465		
11,800.00	7,108.10	7,443.34	7,142.17	139.77	47.09	-91.91	-1,301.83	-1,164.54	2,974.62	2,877.20	97.42	30.533		
11,900.00	7,106.66	7,444.53	7,143.36	142.53	47.09	-91.99	-1,301.83	-1,164.57	3,070.05	2,972.91	97.14	31.605		
12,000.00	7,105.22	7,445.74	7,144.56	145.30	47.09	-92.07	-1,301.82	-1,164.60	3,165.76	3,068.89	96.87	32.680		
12,100.00	7,103.77	7,446.95	7,145.78	148.06	47.10	-92.14	-1,301.82	-1,164.63	3,261.73	3,165.11	96.62	33.759		
12,200.00	7,102.33	7,448.19	7,147.02	150.84	47.10	-92.22	-1,301.81	-1,164.66	3,357.94	3,261.55	96.38	34.839		
12,300.00	7,100.89	7,449.44	7,148.26	153.61	47.10	-92.30	-1,301.81	-1,164.69	3,454.36	3,358.19	96.16	35.922		
12,400.00	7,099.44	7,450.70	7,149.53	156.39	47.11	-92.38	-1,301.80	-1,164.72	3,550.97	3,455.02	95.95	37.007		
12,500.00	7,098.00	7,451.98	7,150.81	159.17	47.11	-92.46	-1,301.79	-1,164.75	3,647.77	3,552.01	95.76	38.093		
12,600.00	7,096.56	7,453.28	7,152.11	161.95	47.11	-92.54	-1,301.79	-1,164.78	3,744.74	3,649.16	95.58	39.181		
12,700.00	7,095.12	7,454.59	7,153.42	164.73	47.12	-92.63	-1,301.78	-1,164.81	3,841.86	3,746.46	95.40	40.269		
12,800.00	7,093.67	7,455.92	7,154.75	167.52	47.12	-92.71	-1,301.77	-1,164.85	3,939.13	3,843.88	95.24	41.358		
12,900.00	7,092.23	7,457.27	7,156.10	170.31	47.13	-92.80	-1,301.77	-1,164.88	4,036.53	3,941.44	95.09	42.448		
13,000.00	7,090.79	7,458.64	7,157.46	173.09	47.13	-92.88	-1,301.76	-1,164.91	4,134.05	4,039.10	94.95	43.539		
13,100.00	7,089.34	7,460.02	7,158.84	175.89	47.13	-92.97	-1,301.75	-1,164.95	4,231.69	4,136.87	94.82	44.629		
13,200.00	7,087.90	7,461.42	7,160.24	178.68	47.14	-93.06	-1,301.74	-1,164.98	4,329.43	4,234.74	94.69	45.720		
13,300.00	7,086.46	7,462.84	7,161.66	181.47	47.14	-93.15	-1,301.73	-1,165.02	4,427.28	4,332.70	94.58	46.811		
13,400.00	7,085.01	7,464.28	7,163.10	184.27	47.15	-93.24	-1,301.73	-1,165.05	4,525.22	4,430.75	94.47	47.901		
13,500.00	7,083.57	7,465.73	7,164.56	187.07	47.15	-93.33	-1,301.72	-1,165.09	4,623.25	4,528.88	94.37	48.991		
13,600.00	7,082.13	7,467.21	7,166.03	189.86	47.15	-93.43	-1,301.71	-1,165.12	4,721.36	4,627.08	94.28	50.081		
13,700.00	7,080.68	7,468.71	7,167.53	192.66	47.16	-93.52	-1,301.70	-1,165.16	4,819.55	4,725.36	94.19	51.170		
13,800.00	7,079.24	7,470.23	7,169.05	195.47	47.16	-93.62	-1,301.69	-1,165.20	4,917.81	4,823.70	94.11	52.258		
13,900.00	7,077.80	7,471.76	7,170.58	198.27	47.17	-93.72	-1,301.68	-1,165.24	5,016.14	4,922.11	94.03	53.346		
14,000.00	7,076.36	7,473.29	7,172.11	201.07	47.17	-93.86	-1,301.66	-1,165.29	5,114.53	5,020.57	93.96	54.432		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,074.91	7,479.08	7,177.90	203.88	47.19	-94.18	-1,301.62	-1,165.42	5,212.98	5,119.08	93.90	55.517		
14,200.00	7,073.47	7,484.75	7,183.57	206.68	47.20	-94.54	-1,301.56	-1,165.57	5,311.49	5,217.65	93.84	56.600		
14,300.00	7,072.03	7,491.10	7,189.91	209.49	47.22	-94.94	-1,301.50	-1,165.74	5,410.06	5,316.27	93.79	57.682		
14,400.00	7,070.58	7,498.26	7,197.07	212.30	47.24	-95.39	-1,301.41	-1,165.94	5,508.67	5,414.93	93.74	58.762		
14,500.00	7,069.14	7,506.39	7,205.19	215.11	47.26	-95.90	-1,301.29	-1,166.18	5,607.33	5,513.63	93.70	59.841		
14,600.00	7,067.70	7,515.70	7,214.50	217.92	47.28	-96.49	-1,301.14	-1,166.45	5,706.04	5,612.37	93.67	60.918		
14,700.00	7,066.25	7,526.48	7,225.27	220.73	47.31	-97.16	-1,300.93	-1,166.78	5,804.79	5,711.15	93.64	61.993		
14,800.00	7,064.81	7,539.09	7,237.87	223.54	47.34	-97.95	-1,300.66	-1,167.19	5,903.57	5,809.96	93.61	63.066		
14,900.00	7,063.37	7,554.06	7,252.83	226.35	47.38	-98.89	-1,300.29	-1,167.70	6,002.39	5,908.81	93.59	64.136		
15,000.00	7,061.92	7,572.10	7,270.85	229.16	47.43	-100.01	-1,299.76	-1,168.35	6,101.25	6,007.68	93.57	65.204		
15,100.00	7,060.48	15,100.00	7,222.82	231.98	67.42	-97.01	-1,300.76	-1,166.82	6,200.04	6,086.87	113.17	54.783		
15,200.00	7,059.04	15,200.00	7,224.36	234.79	67.70	-97.11	-1,300.73	-1,166.86	6,298.98	6,185.57	113.41	55.544		
15,300.00	7,057.60	15,300.00	7,225.89	237.61	67.98	-97.20	-1,300.71	-1,166.91	6,397.95	6,284.31	113.64	56.300		
15,400.00	7,056.15	15,400.00	7,227.42	240.42	68.26	-97.30	-1,300.68	-1,166.96	6,496.95	6,383.07	113.88	57.051		
15,500.00	7,054.71	7,571.38	7,270.13	243.24	47.42	-99.96	-1,299.80	-1,168.31	6,596.04	6,502.54	93.50	70.549		
15,600.00	7,053.27	7,573.40	7,272.15	246.05	47.43	-100.09	-1,299.75	-1,168.38	6,695.09	6,601.60	93.49	71.612		
15,687.75	7,052.00	7,575.17	7,273.91	248.53	47.43	-100.20	-1,299.70	-1,168.45	6,782.03	6,688.54	93.49	72.544		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 #29-5 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-68.34	378.53	-953.14	1,026.26					
100.00	100.00	59.88	59.88	3.28	3.29	-68.34	378.54	-953.19	1,025.60	1,019.03	6.57	156.041	CC, ES	
200.00	200.00	155.27	155.27	3.34	3.34	-68.35	378.60	-953.61	1,026.03	1,019.35	6.68	153.585		
300.00	300.00	256.07	256.06	3.44	3.45	-68.30	379.61	-953.88	1,026.66	1,019.76	6.90	148.823		
400.00	399.98	346.47	346.41	3.60	3.60	178.21	382.63	-953.73	1,029.48	1,022.29	7.19	143.088		
500.00	499.84	440.22	439.96	3.79	3.78	178.54	388.68	-953.10	1,036.52	1,028.93	7.58	136.735		
600.00	599.45	528.88	528.14	4.03	4.00	179.03	397.65	-951.92	1,047.86	1,039.82	8.04	130.356		
700.00	698.70	615.83	614.26	4.30	4.25	179.66	409.55	-950.39	1,063.77	1,055.21	8.56	124.204		
800.00	797.47	697.51	694.79	4.61	4.52	-179.63	423.12	-948.99	1,084.49	1,075.35	9.14	118.637		
900.00	895.62	786.82	782.56	4.96	4.86	-178.79	439.57	-947.69	1,109.81	1,100.01	9.80	113.267		
1,000.00	993.06	880.21	874.15	5.34	5.25	-177.90	457.78	-946.29	1,139.12	1,128.60	10.51	108.343		
1,100.00	1,089.64	972.05	963.86	5.75	5.67	-176.95	477.29	-944.00	1,171.91	1,160.64	11.28	103.924		
1,110.48	1,099.71	981.47	973.04	5.80	5.71	-176.85	479.39	-943.72	1,175.57	1,164.20	11.36	103.440		
1,200.00	1,185.67	1,055.18	1,044.65	6.20	6.08	-176.06	496.73	-941.38	1,207.35	1,195.31	12.04	100.296		
1,300.00	1,281.70	1,135.21	1,121.90	6.67	6.51	-175.16	517.42	-938.51	1,243.86	1,231.05	12.81	97.086		
1,400.00	1,377.72	1,203.56	1,187.39	7.16	6.91	-174.35	536.80	-935.99	1,281.83	1,268.28	13.55	94.616		
1,500.00	1,473.75	1,274.36	1,254.60	7.66	7.35	-173.47	558.94	-933.69	1,321.82	1,307.50	14.32	92.314		
1,600.00	1,569.77	1,354.20	1,329.85	8.17	7.88	-172.45	585.46	-930.79	1,362.93	1,347.75	15.18	89.809		
1,700.00	1,665.80	1,431.46	1,402.45	8.69	8.41	-171.49	611.76	-928.25	1,405.14	1,389.11	16.03	87.654		
1,800.00	1,761.82	1,518.50	1,484.38	9.22	9.03	-170.50	641.05	-925.98	1,448.06	1,431.09	16.97	85.333		
1,900.00	1,857.85	1,611.15	1,571.92	9.76	9.68	-169.54	671.34	-923.96	1,491.14	1,473.19	17.96	83.038		
2,000.00	1,953.87	1,700.39	1,656.47	10.30	10.31	-168.70	699.80	-922.35	1,534.38	1,515.46	18.92	81.103		
2,100.00	2,049.90	1,790.48	1,742.26	10.84	10.94	-167.95	727.32	-921.34	1,577.62	1,557.74	19.88	79.343		
2,200.00	2,145.92	1,860.13	1,808.64	11.39	11.43	-167.43	748.40	-921.27	1,621.64	1,600.96	20.67	78.447		
2,300.00	2,241.94	1,964.16	1,907.69	11.95	12.16	-166.67	780.18	-921.21	1,666.04	1,644.28	21.76	76.567		
2,400.00	2,337.97	2,096.84	2,034.76	12.50	13.08	-165.81	818.31	-919.61	1,708.69	1,685.60	23.09	74.006		
2,500.00	2,433.99	2,194.11	2,128.18	13.06	13.75	-165.22	845.32	-917.32	1,750.17	1,726.05	24.12	72.559		
2,600.00	2,530.02	2,319.00	2,248.31	13.63	14.59	-164.51	879.24	-913.72	1,791.16	1,765.77	25.39	70.559		
2,700.00	2,626.04	2,414.66	2,340.76	14.19	15.22	-164.02	903.59	-910.45	1,830.79	1,804.39	26.39	69.362		
2,800.00	2,722.07	2,478.09	2,401.95	14.76	15.64	-163.71	920.19	-908.53	1,871.22	1,844.08	27.14	68.947		
2,900.00	2,818.09	2,563.33	2,483.88	15.32	16.23	-163.28	943.59	-906.05	1,912.59	1,884.51	28.08	68.113		
3,000.00	2,914.12	2,625.29	2,543.06	15.89	16.68	-162.93	961.78	-903.73	1,954.67	1,925.85	28.83	67.809		
3,100.00	3,010.14	2,683.58	2,598.28	16.46	17.11	-162.58	980.32	-901.51	1,998.29	1,968.75	29.54	67.652		
3,200.00	3,106.17	2,750.00	2,660.78	17.03	17.63	-162.16	1,002.66	-899.20	2,043.34	2,013.01	30.33	67.366		
3,298.02	3,200.29	2,850.56	2,755.73	17.59	18.40	-161.59	1,035.65	-896.62	2,087.81	2,056.35	31.46	66.370		
3,300.00	3,202.19	2,852.33	2,757.42	17.60	18.41	-161.59	1,036.21	-896.59	2,088.70	2,057.22	31.48	66.357		
3,400.00	3,298.70	2,942.88	2,843.53	18.16	19.08	-161.46	1,064.15	-895.23	2,132.10	2,099.62	32.48	65.650		
3,500.00	3,396.07	3,042.44	2,938.39	18.68	19.81	-161.26	1,094.36	-894.03	2,172.47	2,138.92	33.54	64.769		
3,600.00	3,494.17	3,150.34	3,041.72	19.18	20.58	-161.04	1,125.40	-893.11	2,209.08	2,174.41	34.66	63.730		
3,700.00	3,592.88	3,255.98	3,143.06	19.64	21.33	-160.79	1,155.27	-892.18	2,242.40	2,206.65	35.74	62.737		
3,800.00	3,692.10	3,363.97	3,246.69	20.08	22.09	-160.49	1,185.56	-890.34	2,271.98	2,235.15	36.83	61.688		
3,900.00	3,791.69	3,453.70	3,333.01	20.49	22.71	-160.26	1,210.01	-889.31	2,298.37	2,260.64	37.72	60.928		
4,000.00	3,891.53	3,517.82	3,492.16	20.88	23.78	-159.74	1,250.05	-888.52	2,320.02	2,280.78	39.23	59.135		
4,108.50	4,000.00	3,715.87	3,587.42	21.27	24.41	-45.80	1,273.24	-887.13	2,338.92	2,298.78	40.14	58.271		
4,200.00	4,091.50	3,789.36	3,658.58	21.58	24.89	-45.45	1,291.53	-885.77	2,353.91	2,313.09	40.82	57.669		
4,300.00	4,191.50	3,879.28	3,745.65	21.92	25.48	-45.04	1,313.99	-884.75	2,370.98	2,329.34	41.64	56.944		
4,400.00	4,291.50	3,962.34	3,822.59	22.27	27.89	-43.81	1,383.26	-881.47	2,383.01	2,338.05	44.96	53.001		
4,500.00	4,391.50	4,044.30	3,904.50	22.62	28.16	-43.75	1,386.01	-880.82	2,384.85	2,339.24	45.61	52.287		
4,600.00	4,491.50	4,581.66	4,441.85	22.97	28.57	-43.74	1,387.43	-881.33	2,385.75	2,339.29	46.46	51.351		
4,700.00	4,591.50	4,690.68	4,550.85	23.33	28.87	-43.78	1,386.56	-882.80	2,386.12	2,338.95	47.18	50.579		
4,800.00	4,691.50	4,800.38	4,660.50	23.69	29.16	-43.85	1,384.23	-885.01	2,385.98	2,338.09	47.89	49.822		
4,900.00	4,791.50	4,904.23	4,764.33	24.05	29.44	-43.91	1,382.32	-886.43	2,385.60	2,337.02	48.58	49.102		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,993.52	4,853.60	24.42	29.69	-43.95	1,381.08	-887.50	2,385.42	2,336.17	49.25	48.439		
5,001.12	4,892.63	4,994.54	4,854.63	24.42	29.69	-43.95	1,381.07	-887.51	2,385.42	2,336.17	49.25	48.431		
5,100.00	4,991.50	5,086.60	4,946.66	24.78	29.95	-43.99	1,380.10	-888.71	2,385.57	2,335.65	49.93	47.781		
5,200.00	5,091.50	5,178.29	5,038.35	25.15	30.22	-44.02	1,379.50	-889.90	2,386.00	2,335.39	50.61	47.145		
5,300.00	5,191.50	5,264.25	5,124.30	25.53	30.48	-44.04	1,379.37	-891.19	2,386.93	2,335.65	51.28	46.548		
5,400.00	5,291.50	5,355.00	5,215.04	25.90	30.76	-44.06	1,379.65	-892.79	2,388.38	2,336.40	51.97	45.954		
5,500.00	5,391.50	5,451.48	5,311.50	26.28	31.07	-44.09	1,380.17	-894.67	2,390.12	2,337.42	52.70	45.357		
5,600.00	5,491.50	5,557.34	5,417.33	26.65	31.41	-44.11	1,380.73	-896.57	2,391.75	2,338.29	53.46	44.738		
5,700.00	5,591.50	5,650.80	5,510.78	27.03	31.71	-44.14	1,381.06	-898.45	2,393.41	2,339.23	54.18	44.178		
5,800.00	5,691.50	5,744.16	5,604.11	27.41	32.01	-44.17	1,381.29	-900.79	2,395.33	2,340.43	54.90	43.634		
5,900.00	5,791.50	5,836.83	5,696.75	27.80	32.32	-44.20	1,382.07	-902.92	2,397.53	2,341.92	55.62	43.109		
6,000.00	5,891.50	5,926.66	5,786.54	28.18	32.63	-44.22	1,383.16	-905.13	2,400.11	2,343.78	56.33	42.608		
6,100.00	5,991.50	6,051.31	5,911.16	28.57	33.05	-44.24	1,384.68	-908.02	2,402.66	2,345.46	57.20	42.003		
6,200.00	6,091.50	6,158.31	6,018.14	28.96	33.42	-44.24	1,385.68	-909.14	2,404.05	2,346.05	58.00	41.448		
6,300.00	6,191.50	6,247.85	6,107.67	29.35	33.73	-44.25	1,386.62	-910.30	2,405.70	2,346.97	58.73	40.963		
6,400.00	6,291.50	6,331.64	6,191.44	29.74	34.03	-44.25	1,387.86	-911.72	2,407.94	2,348.51	59.43	40.515		
6,500.00	6,391.50	6,424.34	6,284.10	30.13	34.36	-44.25	1,389.63	-913.61	2,410.73	2,350.55	60.18	40.058		
6,600.00	6,491.50	6,545.94	6,405.65	30.52	34.80	-44.26	1,391.90	-916.00	2,413.50	2,352.44	61.06	39.526		
6,639.95	6,531.45	6,613.60	6,473.31	30.68	35.04	-44.26	1,392.49	-916.75	2,414.06	2,352.57	61.49	39.258		
6,650.00	6,541.50	6,630.63	6,490.33	30.72	35.10	47.59	1,392.55	-916.86	2,414.08	2,352.48	61.60	39.191		
6,700.00	6,591.41	6,694.27	6,553.97	30.90	35.32	47.77	1,392.71	-916.96	2,412.37	2,350.35	62.02	38.896		
6,750.00	6,640.95	6,758.83	6,618.54	31.09	35.54	48.24	1,392.81	-916.55	2,407.72	2,345.29	62.43	38.564		
6,800.00	6,689.82	6,804.36	6,664.07	31.29	35.69	48.93	1,392.87	-916.10	2,400.38	2,337.62	62.76	38.245		
6,850.00	6,737.71	6,848.93	6,708.63	31.49	35.84	49.85	1,392.96	-915.73	2,390.60	2,327.52	63.08	37.899		
6,900.00	6,784.33	6,892.33	6,752.03	31.70	35.99	51.02	1,393.07	-915.42	2,378.48	2,315.10	63.38	37.528		
6,950.00	6,829.39	6,937.16	6,796.86	31.92	36.15	52.48	1,393.19	-915.13	2,364.10	2,300.42	63.68	37.125		
7,000.00	6,872.61	6,980.19	6,839.89	32.15	36.30	54.19	1,393.31	-914.86	2,347.59	2,283.62	63.97	36.698		
7,050.00	6,913.73	7,021.09	6,880.79	32.41	36.44	56.17	1,393.43	-914.60	2,329.12	2,264.87	64.25	36.250		
7,100.00	6,952.49	7,055.62	6,915.31	32.68	36.56	58.35	1,393.53	-914.40	2,308.89	2,244.37	64.52	35.787		
7,150.00	6,988.66	7,086.95	6,946.65	32.98	36.67	60.74	1,393.66	-914.29	2,287.15	2,222.37	64.78	35.306		
7,200.00	7,022.01	7,115.96	6,975.65	33.31	36.77	63.35	1,393.80	-914.25	2,264.11	2,199.06	65.05	34.804		
7,250.00	7,052.33	7,142.44	7,002.14	33.67	36.87	66.14	1,393.95	-914.26	2,240.00	2,174.66	65.34	34.283		
7,300.00	7,079.44	7,167.36	7,027.06	34.07	36.95	69.12	1,394.11	-914.31	2,215.01	2,149.36	65.65	33.740		
7,350.00	7,103.17	7,192.66	7,052.36	34.51	37.05	72.29	1,394.26	-914.35	2,189.37	2,123.37	66.00	33.172		
7,400.00	7,123.38	7,214.16	7,073.85	34.98	37.12	75.51	1,394.39	-914.38	2,163.31	2,096.93	66.38	32.590		
7,450.00	7,139.94	7,231.73	7,091.42	35.50	37.19	78.72	1,394.50	-914.39	2,137.08	2,070.28	66.79	31.997		
7,500.00	7,152.75	7,245.28	7,104.97	36.05	37.23	81.85	1,394.57	-914.40	2,110.93	2,043.69	67.24	31.395		
7,550.00	7,161.73	7,254.75	7,114.44	36.64	37.27	84.84	1,394.63	-914.39	2,085.11	2,017.39	67.72	30.790		
7,600.00	7,166.82	7,260.09	7,119.78	37.26	37.29	87.64	1,394.66	-914.39	2,059.85	1,991.62	68.24	30.187		
7,649.14	7,168.00	7,261.31	7,121.00	37.89	37.29	90.16	1,394.66	-914.39	2,035.77	1,967.00	68.78	29.600		
7,700.00	7,167.27	7,260.50	7,120.20	38.57	37.29	90.14	1,394.66	-914.39	2,011.79	1,942.41	69.38	28.996		
7,800.00	7,165.83	7,258.93	7,118.62	40.04	37.28	90.09	1,394.65	-914.39	1,967.61	1,896.86	70.75	27.811		
7,900.00	7,164.38	7,257.36	7,117.06	41.66	37.28	90.04	1,394.64	-914.39	1,927.61	1,855.27	72.34	26.645		
8,000.00	7,162.94	7,255.81	7,115.50	43.40	37.27	89.99	1,394.63	-914.39	1,892.06	1,817.92	74.14	25.519		
8,100.00	7,161.50	7,254.26	7,113.95	45.26	37.27	89.94	1,394.62	-914.39	1,861.21	1,785.08	76.13	24.449		
8,200.00	7,160.05	7,252.72	7,112.41	47.21	37.26	89.89	1,394.62	-914.40	1,835.29	1,757.03	78.26	23.451		
8,300.00	7,158.61	7,251.19	7,110.89	49.26	37.26	89.84	1,394.61	-914.40	1,814.51	1,734.00	80.51	22.537		
8,400.00	7,157.17	7,249.67	7,109.37	51.38	37.25	89.79	1,394.60	-914.40	1,799.07	1,716.22	82.85	21.716		
8,500.00	7,155.73	7,248.16	7,107.86	53.57	37.25	89.74	1,394.59	-914.40	1,789.08	1,703.86	85.22	20.993		
8,600.00	7,154.28	7,246.66	7,106.35	55.82	37.24	89.69	1,394.58	-914.40	1,784.65	1,697.05	87.61	20.371		
8,629.16	7,153.86	7,246.23	7,105.92	56.49	37.24	89.68	1,394.58	-914.40	1,784.42	1,696.11	88.30	20.208		
8,700.00	7,152.84	7,245.17	7,104.86	58.12	37.23	89.65	1,394.57	-914.40	1,785.82	1,695.86	89.96	19.852		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,800.00	7,151.40	7,243.69	7,103.38	60.47	37.23	89.60	1,394.57	-914.40	1,792.57	1,700.33	92.25	19.432		
8,900.00	7,149.95	7,242.21	7,101.90	62.86	37.22	89.55	1,394.56	-914.40	1,804.85	1,710.41	94.44	19.111		
9,000.00	7,148.51	7,240.74	7,100.44	65.28	37.22	89.50	1,394.55	-914.40	1,822.53	1,726.02	96.52	18.883		
9,100.00	7,147.07	7,239.29	7,098.98	67.74	37.21	89.46	1,394.54	-914.40	1,845.48	1,747.02	98.46	18.744		
9,200.00	7,145.62	7,237.84	7,097.53	70.23	37.21	89.41	1,394.53	-914.39	1,873.48	1,773.23	100.25	18.688 SF		
9,300.00	7,144.18	7,236.40	7,096.09	72.74	37.20	89.37	1,394.52	-914.39	1,906.32	1,804.44	101.88	18.711		
9,400.00	7,142.74	7,234.96	7,094.66	75.28	37.20	89.32	1,394.52	-914.39	1,943.76	1,840.40	103.36	18.807		
9,500.00	7,141.29	7,233.54	7,093.23	77.84	37.19	89.27	1,394.51	-914.39	1,985.53	1,880.86	104.67	18.969		
9,600.00	7,139.85	7,232.12	7,091.82	80.42	37.19	89.23	1,394.50	-914.39	2,031.37	1,925.54	105.83	19.194		
9,700.00	7,138.41	7,230.72	7,090.41	83.01	37.18	89.18	1,394.49	-914.39	2,081.01	1,974.16	106.85	19.477		
9,800.00	7,136.97	7,229.32	7,089.01	85.62	37.18	89.14	1,394.48	-914.39	2,134.18	2,026.45	107.73	19.811		
9,900.00	7,135.52	7,227.92	7,087.62	88.25	37.17	89.09	1,394.48	-914.39	2,190.62	2,082.14	108.48	20.194		
10,000.00	7,134.08	7,226.54	7,086.23	90.89	37.17	89.05	1,394.47	-914.39	2,250.10	2,140.98	109.12	20.621		
10,100.00	7,132.64	7,225.16	7,084.86	93.54	37.16	89.00	1,394.46	-914.39	2,312.37	2,202.72	109.65	21.088		
10,200.00	7,131.19	7,223.80	7,083.49	96.20	37.16	88.96	1,394.45	-914.39	2,377.22	2,267.12	110.10	21.592		
10,300.00	7,129.75	7,222.43	7,082.13	98.87	37.15	88.92	1,394.44	-914.39	2,444.43	2,333.98	110.46	22.130		
10,400.00	7,128.31	7,221.08	7,080.78	101.55	37.15	88.87	1,394.44	-914.39	2,513.83	2,403.09	110.75	22.699		
10,500.00	7,126.86	7,219.74	7,079.43	104.24	37.14	88.83	1,394.43	-914.39	2,585.24	2,474.26	110.97	23.296		
10,600.00	7,125.42	7,218.40	7,078.09	106.94	37.14	88.79	1,394.42	-914.38	2,658.48	2,547.34	111.14	23.919		
10,700.00	7,123.98	7,217.07	7,076.76	109.64	37.13	88.74	1,394.41	-914.38	2,733.43	2,622.16	111.27	24.566		
10,800.00	7,122.53	7,215.75	7,075.44	112.36	37.13	88.70	1,394.40	-914.38	2,809.93	2,698.58	111.35	25.235		
10,900.00	7,121.09	7,214.43	7,074.12	115.08	37.12	88.66	1,394.40	-914.38	2,887.87	2,776.47	111.40	25.924		
11,000.00	7,119.65	7,213.12	7,072.81	117.80	37.12	88.62	1,394.39	-914.38	2,967.13	2,855.72	111.41	26.632		
11,100.00	7,118.20	7,211.82	7,071.51	120.53	37.11	88.58	1,394.38	-914.38	3,047.61	2,936.21	111.40	27.356		
11,200.00	7,116.76	7,210.53	7,070.22	123.26	37.11	88.53	1,394.37	-914.38	3,129.22	3,017.85	111.37	28.097		
11,300.00	7,115.32	7,209.24	7,068.93	126.00	37.10	88.49	1,394.37	-914.38	3,211.86	3,100.54	111.32	28.851		
11,400.00	7,113.88	7,207.96	7,067.65	128.75	37.10	88.45	1,394.36	-914.37	3,295.47	3,184.21	111.26	29.620		
11,500.00	7,112.43	7,206.69	7,066.38	131.50	37.10	88.41	1,394.35	-914.37	3,379.97	3,268.79	111.18	30.400		
11,600.00	7,110.99	7,205.42	7,065.11	134.25	37.09	88.37	1,394.34	-914.37	3,465.29	3,354.20	111.10	31.192		
11,700.00	7,109.55	7,204.16	7,063.86	137.01	37.09	88.33	1,394.34	-914.37	3,551.38	3,440.38	111.00	31.995		
11,800.00	7,108.10	7,202.91	7,062.60	139.77	37.08	88.29	1,394.33	-914.37	3,638.18	3,527.28	110.90	32.807		
11,900.00	7,106.66	7,201.66	7,061.36	142.53	37.08	88.25	1,394.32	-914.37	3,725.64	3,614.85	110.79	33.629		
12,000.00	7,105.22	7,200.43	7,060.12	145.30	37.07	88.21	1,394.31	-914.37	3,813.72	3,703.04	110.67	34.459		
12,100.00	7,103.77	7,199.19	7,058.89	148.06	37.07	88.17	1,394.30	-914.36	3,902.37	3,791.81	110.56	35.297		
12,200.00	7,102.33	7,197.97	7,057.66	150.84	37.06	88.13	1,394.30	-914.36	3,991.55	3,881.11	110.44	36.142		
12,300.00	7,100.89	7,196.75	7,056.44	153.61	37.06	88.09	1,394.29	-914.36	4,081.24	3,970.92	110.32	36.994		
12,400.00	7,099.44	7,195.54	7,055.23	156.39	37.06	88.05	1,394.28	-914.36	4,171.40	4,061.20	110.20	37.852		
12,500.00	7,098.00	7,194.33	7,054.02	159.17	37.05	88.02	1,394.28	-914.36	4,261.99	4,151.91	110.08	38.717		
12,600.00	7,096.56	7,193.13	7,052.82	161.95	37.05	87.98	1,394.27	-914.36	4,353.00	4,243.04	109.96	39.586		
12,700.00	7,095.12	7,191.94	7,051.63	164.73	37.04	87.94	1,394.26	-914.35	4,444.39	4,334.55	109.84	40.461		
12,800.00	7,093.67	7,190.75	7,050.44	167.52	37.04	87.90	1,394.25	-914.35	4,536.15	4,426.42	109.73	41.341		
12,900.00	7,092.23	7,189.57	7,049.26	170.31	37.03	87.86	1,394.25	-914.35	4,628.25	4,518.64	109.61	42.225		
13,000.00	7,090.79	7,188.40	7,048.09	173.09	37.03	87.82	1,394.24	-914.35	4,720.66	4,611.17	109.49	43.113		
13,100.00	7,089.34	7,187.23	7,046.92	175.89	37.03	87.79	1,394.23	-914.35	4,813.39	4,704.00	109.38	44.005		
13,200.00	7,087.90	7,186.06	7,045.76	178.68	37.02	87.75	1,394.22	-914.34	4,906.39	4,797.12	109.27	44.901		
13,300.00	7,086.46	7,184.91	7,044.60	181.47	37.02	87.71	1,394.22	-914.34	4,999.67	4,890.51	109.16	45.800		
13,400.00	7,085.01	7,183.76	7,043.45	184.27	37.01	87.68	1,394.21	-914.34	5,093.20	4,984.14	109.06	46.702		
13,500.00	7,083.57	7,182.61	7,042.31	187.07	37.01	87.64	1,394.20	-914.34	5,186.97	5,078.02	108.95	47.607		
13,600.00	7,082.13	7,181.48	7,041.17	189.86	37.00	87.60	1,394.20	-914.34	5,280.97	5,172.12	108.85	48.515		
13,700.00	7,080.68	7,180.34	7,040.04	192.66	37.00	87.57	1,394.19	-914.33	5,375.19	5,266.43	108.76	49.425		
13,800.00	7,079.24	7,179.22	7,038.91	195.47	37.00	87.53	1,394.18	-914.33	5,469.61	5,360.95	108.66	50.337		
13,900.00	7,077.80	7,178.10	7,037.79	198.27	36.99	87.49	1,394.17	-914.33	5,564.23	5,455.66	108.57	51.252		

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 13C-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 13C-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 #29-5 - 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	7,076.36	7,186.97	7,046.67	201.07	37.02	87.78	1,394.24	-914.38	5,659.01	5,550.51	108.50	52.156	
14,100.00	7,074.91	7,185.46	7,045.16	203.88	37.02	87.73	1,394.23	-914.37	5,753.99	5,645.58	108.41	53.075	
14,200.00	7,073.47	7,183.93	7,043.62	206.68	37.01	87.68	1,394.22	-914.37	5,849.14	5,740.81	108.33	53.995	
14,300.00	7,072.03	7,182.36	7,042.05	209.49	37.01	87.63	1,394.21	-914.36	5,944.44	5,836.20	108.24	54.917	
14,400.00	7,070.58	7,180.76	7,040.45	212.30	37.00	87.58	1,394.20	-914.35	6,039.90	5,931.74	108.16	55.841	
14,500.00	7,069.14	7,179.13	7,038.82	215.11	37.00	87.53	1,394.19	-914.35	6,135.50	6,027.42	108.08	56.766	
14,600.00	7,067.70	7,177.46	7,037.16	217.92	36.99	87.47	1,394.18	-914.34	6,231.24	6,123.23	108.01	57.692	
14,700.00	7,066.25	7,175.76	7,035.46	220.73	36.98	87.42	1,394.16	-914.33	6,327.11	6,219.18	107.93	58.620	
14,800.00	7,064.81	7,174.03	7,033.73	223.54	36.98	87.36	1,394.15	-914.33	6,423.11	6,315.24	107.86	59.548	
14,900.00	7,063.37	7,172.26	7,031.96	226.35	36.97	87.31	1,394.14	-914.32	6,519.22	6,411.43	107.80	60.478	
15,000.00	7,061.92	7,170.46	7,030.15	229.16	36.96	87.25	1,394.13	-914.32	6,615.45	6,507.73	107.73	61.408	
15,100.00	7,060.48	7,168.61	7,028.31	231.98	36.96	87.19	1,394.11	-914.31	6,711.80	6,604.13	107.67	62.340	
15,200.00	7,059.04	7,166.73	7,026.42	234.79	36.95	87.13	1,394.10	-914.31	6,808.24	6,700.64	107.60	63.271	
15,300.00	7,057.60	7,164.80	7,024.50	237.61	36.94	87.07	1,394.09	-914.30	6,904.79	6,797.24	107.54	64.204	
15,400.00	7,056.15	7,162.84	7,022.53	240.42	36.94	87.01	1,394.08	-914.29	7,001.43	6,893.94	107.49	65.137	
15,500.00	7,054.71	7,160.82	7,020.52	243.24	36.93	86.94	1,394.06	-914.29	7,098.17	6,990.74	107.43	66.071	
15,600.00	7,053.27	7,158.77	7,018.46	246.05	36.92	86.87	1,394.05	-914.28	7,194.99	7,087.61	107.38	67.005	
15,687.75	7,052.00	7,156.93	7,016.62	248.53	36.92	86.82	1,394.04	-914.28	7,280.03	7,172.70	107.34	67.825	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-69.77	347.93	-944.23	1,007.01					
100.00	100.00	57.54	57.54	3.28	3.29	-69.77	347.98	-944.31	1,006.40	999.83	6.57	153.131		
200.00	200.00	147.83	147.82	3.34	3.34	-69.76	348.43	-945.04	1,007.32	1,000.65	6.68	150.887		
300.00	300.00	264.59	264.57	3.44	3.47	-69.67	350.23	-945.39	1,008.18	1,001.27	6.91	145.884		
400.00	399.98	424.18	423.77	3.60	3.75	177.22	357.27	-937.69	1,007.09	999.71	7.37	136.579		
500.00	499.84	541.99	540.87	3.79	4.04	177.80	363.49	-926.34	1,005.18	997.32	7.86	127.880		
573.25	572.83	633.79	631.90	3.96	4.31	178.31	368.63	-915.67	1,004.80	996.50	8.30	121.058 CC, ES		
600.00	599.45	653.37	651.29	4.03	4.38	178.43	369.92	-913.30	1,005.09	996.67	8.42	119.368		
700.00	698.70	748.95	745.81	4.30	4.71	179.11	377.60	-901.33	1,008.71	999.70	9.00	112.051		
800.00	797.47	848.66	843.87	4.61	5.11	-179.98	389.13	-887.42	1,016.02	1,006.35	9.68	104.990		
900.00	895.62	969.92	962.48	4.96	5.65	-178.70	405.54	-868.40	1,026.38	1,015.85	10.53	97.447		
1,000.00	993.06	1,099.90	1,087.99	5.34	6.34	-177.06	426.41	-841.89	1,037.25	1,025.71	11.54	89.877		
1,100.00	1,089.64	1,225.67	1,208.81	5.75	7.08	-175.46	446.00	-812.98	1,049.70	1,037.09	12.61	83.249		
1,110.48	1,099.71	1,240.26	1,222.76	5.80	7.16	-175.27	448.23	-809.35	1,051.04	1,038.31	12.74	82.528		
1,200.00	1,185.67	1,332.90	1,311.28	6.20	7.75	-174.11	462.13	-785.84	1,062.35	1,048.72	13.63	77.940		
1,300.00	1,281.70	1,417.45	1,392.05	6.67	8.31	-173.07	475.16	-764.52	1,075.78	1,061.22	14.56	73.904		
1,400.00	1,377.72	1,503.84	1,474.54	7.16	8.89	-171.99	489.47	-743.19	1,090.67	1,075.14	15.53	70.236		
1,500.00	1,473.75	1,597.76	1,563.95	7.66	9.55	-170.78	506.27	-719.88	1,106.60	1,090.01	16.59	66.702		
1,600.00	1,569.77	1,706.56	1,667.21	8.17	10.33	-169.38	526.15	-691.92	1,122.51	1,104.71	17.80	63.079		
1,700.00	1,665.80	1,811.07	1,766.48	8.69	11.10	-168.10	544.26	-664.74	1,138.23	1,119.24	18.99	59.934		
1,800.00	1,761.82	1,910.28	1,860.41	9.22	11.84	-166.89	561.29	-637.73	1,153.33	1,133.16	20.17	57.171		
1,900.00	1,857.85	1,990.74	1,936.97	9.76	12.44	-165.99	574.79	-616.98	1,169.84	1,148.61	21.22	55.125		
2,000.00	1,953.87	2,078.77	2,020.78	10.30	13.10	-165.01	590.35	-595.04	1,187.93	1,165.60	22.33	53.193		
2,100.00	2,049.90	2,177.72	2,114.90	10.84	13.83	-163.93	607.95	-570.08	1,206.28	1,182.74	23.54	51.239		
2,200.00	2,145.92	2,274.14	2,206.82	11.39	14.55	-162.94	624.62	-546.23	1,225.10	1,200.36	24.74	49.525		
2,300.00	2,241.94	2,388.29	2,315.68	11.95	15.40	-161.82	643.61	-517.60	1,243.64	1,217.57	26.07	47.695		
2,400.00	2,337.97	2,463.07	2,387.33	12.50	15.95	-161.16	654.98	-499.45	1,262.23	1,235.14	27.08	46.604		
2,500.00	2,433.99	2,559.45	2,479.65	13.06	16.65	-160.31	670.97	-476.89	1,282.54	1,254.26	28.27	45.361		
2,600.00	2,530.02	2,685.70	2,599.95	13.63	17.60	-159.17	691.55	-444.62	1,301.34	1,271.60	29.75	43.746		
2,700.00	2,626.04	2,770.41	2,680.34	14.19	18.26	-158.39	705.71	-421.98	1,319.97	1,289.07	30.89	42.729		
2,800.00	2,722.07	2,856.87	2,762.84	14.76	18.91	-157.66	719.94	-400.39	1,339.92	1,307.88	32.03	41.830		
2,900.00	2,818.09	2,967.25	2,868.70	15.32	19.72	-156.84	736.05	-373.58	1,359.26	1,325.91	33.35	40.758		
3,000.00	2,914.12	3,049.94	2,948.37	15.89	20.30	-156.30	747.51	-354.65	1,379.30	1,344.89	34.41	40.085		
3,100.00	3,010.14	3,131.51	3,027.53	16.46	20.83	-155.87	757.97	-338.00	1,400.42	1,365.00	35.42	39.537		
3,200.00	3,106.17	3,207.61	3,101.96	17.03	21.30	-155.58	766.89	-324.92	1,422.97	1,386.63	36.34	39.159		
3,298.02	3,200.29	3,287.52	3,180.54	17.59	21.74	-155.36	775.63	-313.28	1,446.29	1,409.06	37.24	38.841		
3,300.00	3,202.19	3,289.04	3,182.04	17.60	21.75	-155.36	775.79	-313.08	1,446.77	1,409.52	37.25	38.836		
3,400.00	3,298.70	3,365.92	3,257.96	18.16	22.15	-155.42	783.60	-303.96	1,470.20	1,432.12	38.08	38.607		
3,500.00	3,396.07	3,459.07	3,350.33	18.68	22.59	-155.47	792.00	-295.31	1,491.42	1,452.43	38.98	38.259		
3,600.00	3,494.17	3,558.62	3,449.38	19.18	23.02	-155.55	799.04	-288.32	1,509.60	1,469.73	39.87	37.865		
3,700.00	3,592.88	3,668.52	3,559.06	19.64	23.43	-155.68	803.74	-283.34	1,524.26	1,483.51	40.75	37.407		
3,800.00	3,692.10	3,780.36	3,670.85	20.08	23.80	-155.86	805.35	-280.36	1,534.94	1,493.36	41.58	36.919		
3,900.00	3,791.69	3,867.84	3,758.30	20.49	24.08	-155.97	806.04	-278.31	1,542.21	1,499.97	42.24	36.513		
4,000.00	3,891.53	3,954.36	3,844.82	20.88	24.34	-156.07	806.54	-278.28	1,547.63	1,504.77	42.86	36.105		
4,108.50	4,000.00	4,060.22	3,950.67	21.27	24.66	-42.46	807.20	-278.41	1,550.10	1,506.50	43.59	35.559		
4,200.00	4,091.50	4,143.72	4,034.16	21.58	24.92	-42.44	808.19	-278.53	1,550.99	1,506.82	44.17	35.115		
4,300.00	4,191.50	4,241.17	4,131.60	21.92	25.23	-42.40	809.96	-278.63	1,552.40	1,507.55	44.85	34.616		
4,400.00	4,291.50	4,332.97	4,223.38	22.27	25.53	-42.36	811.72	-278.87	1,554.00	1,508.50	45.50	34.157		
4,500.00	4,391.50	4,431.13	4,321.51	22.62	25.84	-42.32	813.98	-279.42	1,556.08	1,509.89	46.19	33.690		
4,600.00	4,491.50	4,531.55	4,421.91	22.97	26.17	-42.29	816.04	-280.20	1,558.11	1,511.21	46.90	33.224		
4,700.00	4,591.50	4,630.88	4,521.22	23.33	26.49	-42.27	817.83	-281.25	1,560.16	1,512.56	47.60	32.778		
4,800.00	4,691.50	4,729.46	4,619.77	23.69	26.80	-42.27	819.55	-282.54	1,562.34	1,514.04	48.29	32.350		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,791.50	4,854.64	4,744.94	24.05	27.19	-42.28	820.75	-284.18	1,563.98	1,514.84	49.15	31.823		
5,000.00	4,891.50	5,009.27	4,899.53	24.42	27.68	-42.29	818.76	-282.84	1,562.26	1,512.13	50.13	31.163		
5,100.00	4,991.50	5,099.80	4,990.04	24.78	27.97	-42.28	817.19	-280.98	1,559.60	1,508.80	50.80	30.702		
5,200.00	5,091.50	5,188.14	5,078.36	25.15	28.26	-42.27	816.15	-279.52	1,557.62	1,506.16	51.46	30.270		
5,300.00	5,191.50	5,281.50	5,171.70	25.53	28.57	-42.26	815.44	-278.59	1,556.37	1,504.23	52.14	29.848		
5,400.00	5,291.50	5,384.67	5,274.87	25.90	28.91	-42.26	814.49	-277.60	1,555.04	1,502.16	52.89	29.404		
5,500.00	5,391.50	5,480.44	5,370.62	26.28	29.24	-42.22	814.17	-276.11	1,553.76	1,500.15	53.60	28.986		
5,600.00	5,491.50	5,566.50	5,456.68	26.65	29.54	-42.20	814.15	-275.16	1,553.02	1,498.75	54.27	28.615		
5,617.46	5,508.96	5,580.78	5,470.96	26.72	29.59	-42.19	814.22	-275.07	1,553.00	1,498.61	54.38	28.556		
5,700.00	5,591.50	5,654.24	5,544.41	27.03	29.86	-42.17	814.85	-274.78	1,553.30	1,498.34	54.95	28.265		
5,800.00	5,691.50	5,744.43	5,634.60	27.41	30.18	-42.13	816.10	-274.55	1,554.16	1,498.50	55.65	27.925		
5,900.00	5,791.50	5,838.33	5,728.48	27.80	30.52	-42.10	817.84	-274.73	1,555.66	1,499.28	56.38	27.592		
6,000.00	5,891.50	5,935.42	5,825.55	28.18	30.87	-42.06	819.63	-275.18	1,557.34	1,500.21	57.13	27.262		
6,100.00	5,991.50	6,035.95	5,946.07	28.57	31.28	-42.07	820.63	-276.45	1,558.69	1,500.69	58.00	26.872		
6,200.00	6,091.50	6,177.84	6,067.94	28.96	31.68	-42.14	819.34	-277.60	1,558.56	1,499.70	58.86	26.480		
6,300.00	6,191.50	6,278.84	6,168.93	29.35	32.02	-42.17	817.71	-277.41	1,557.24	1,497.63	59.60	26.127		
6,382.54	6,274.04	6,345.95	6,236.04	29.67	32.25	-42.19	817.20	-277.46	1,556.81	1,496.68	60.13	25.891		
6,400.00	6,291.50	6,359.86	6,249.95	29.74	32.30	-42.19	817.15	-277.53	1,556.83	1,496.59	60.24	25.844		
6,500.00	6,391.50	6,445.30	6,335.38	30.13	32.59	-42.21	817.22	-278.49	1,557.63	1,496.72	60.90	25.576		
6,600.00	6,491.50	6,536.55	6,426.62	30.52	32.91	-42.24	817.62	-279.98	1,559.05	1,497.45	61.60	25.308		
6,639.95	6,531.45	6,572.55	6,462.61	30.68	33.03	-42.25	817.97	-280.60	1,559.79	1,497.91	61.88	25.206		
6,650.00	6,541.50	6,581.61	6,471.67	30.72	33.07	49.59	818.07	-280.75	1,559.94	1,497.99	61.95	25.181		
6,700.00	6,591.41	6,624.99	6,515.04	30.90	33.22	49.69	818.68	-281.54	1,559.28	1,497.01	62.28	25.037		
6,750.00	6,640.95	6,668.08	6,558.11	31.09	33.37	50.06	819.41	-282.44	1,556.31	1,493.70	62.61	24.859		
6,800.00	6,689.82	6,710.48	6,600.50	31.29	33.53	50.67	820.28	-283.43	1,551.06	1,488.13	62.93	24.648		
6,850.00	6,737.71	6,752.12	6,642.11	31.49	33.67	51.54	821.30	-284.49	1,543.61	1,480.36	63.25	24.405		
6,900.00	6,784.33	6,794.69	6,684.64	31.70	33.83	52.69	822.50	-285.64	1,534.03	1,470.44	63.58	24.126		
6,950.00	6,829.39	6,836.54	6,726.46	31.92	33.98	54.12	823.80	-286.79	1,522.40	1,458.48	63.92	23.815		
7,000.00	6,872.61	6,883.72	6,773.60	32.15	34.15	55.93	825.36	-288.04	1,508.82	1,444.49	64.32	23.457		
7,050.00	6,913.73	6,933.01	6,822.85	32.41	34.33	58.11	826.93	-289.08	1,493.23	1,428.48	64.75	23.060		
7,100.00	6,952.49	6,969.76	6,859.57	32.68	34.47	60.36	828.08	-289.72	1,475.99	1,410.87	65.12	22.666		
7,150.00	6,988.66	7,001.76	6,891.55	32.98	34.59	62.75	829.17	-290.35	1,457.56	1,392.07	65.48	22.258		
7,200.00	7,022.01	7,031.52	6,921.29	33.31	34.70	65.31	830.25	-290.99	1,438.17	1,372.30	65.87	21.833		
7,250.00	7,052.33	7,059.77	6,949.51	33.67	34.81	68.03	831.35	-291.62	1,418.09	1,351.80	66.30	21.389		
7,300.00	7,079.44	7,085.14	6,974.85	34.07	34.90	70.82	832.39	-292.19	1,397.58	1,330.82	66.76	20.934		
7,350.00	7,103.17	7,107.46	6,997.15	34.51	34.99	73.61	833.36	-292.69	1,376.93	1,309.67	67.26	20.470		
7,400.00	7,123.38	7,127.04	7,016.70	34.98	35.06	76.36	834.24	-293.12	1,356.43	1,288.61	67.82	20.001		
7,450.00	7,139.94	7,144.18	7,033.81	35.50	35.13	79.02	835.01	-293.52	1,336.36	1,267.93	68.43	19.530		
7,500.00	7,152.75	7,157.77	7,047.39	36.05	35.18	81.49	835.63	-293.85	1,316.99	1,247.91	69.08	19.064		
7,550.00	7,161.73	7,167.71	7,057.32	36.64	35.22	83.71	836.07	-294.10	1,298.61	1,228.83	69.78	18.610		
7,600.00	7,166.82	7,173.90	7,063.49	37.26	35.24	85.64	836.35	-294.25	1,281.45	1,210.94	70.51	18.174		
7,649.14	7,168.00	7,176.25	7,065.84	37.89	35.25	87.21	836.45	-294.31	1,265.99	1,194.73	71.26	17.767		
7,700.00	7,167.27	7,176.75	7,066.35	38.57	35.25	87.24	836.48	-294.33	1,251.70	1,179.65	72.06	17.371		
7,800.00	7,165.83	7,177.76	7,067.35	40.04	35.25	87.29	836.52	-294.35	1,229.29	1,155.53	73.75	16.667		
7,900.00	7,164.38	7,178.77	7,068.36	41.66	35.26	87.33	836.57	-294.38	1,214.71	1,139.17	75.54	16.080		
8,000.00	7,162.94	7,179.80	7,069.39	43.40	35.26	87.38	836.61	-294.41	1,208.27	1,130.91	77.35	15.620		
8,028.12	7,162.53	7,180.10	7,069.69	43.92	35.26	87.40	836.63	-294.41	1,207.94	1,130.08	77.86	15.514		
8,100.00	7,161.50	7,180.85	7,070.44	45.26	35.26	87.43	836.66	-294.43	1,210.08	1,130.97	79.10	15.297		
8,200.00	7,160.05	7,181.91	7,071.49	47.21	35.27	87.48	836.71	-294.46	1,220.10	1,139.37	80.74	15.112		
8,300.00	7,158.61	7,182.98	7,072.57	49.26	35.27	87.53	836.75	-294.49	1,238.15	1,155.95	82.21	15.061 SF		
8,400.00	7,157.17	7,184.07	7,073.65	51.38	35.28	87.59	836.80	-294.52	1,263.88	1,180.40	83.49	15.139		
8,500.00	7,155.73	7,185.17	7,074.76	53.57	35.28	87.64	836.85	-294.55	1,296.83	1,212.27	84.56	15.336		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,600.00	7,154.28	7,186.29	7,075.88	55.82	35.29	87.69	836.90	-294.58	1,336.46	1,251.02	85.44	15.642		
8,700.00	7,152.84	7,187.43	7,077.01	58.12	35.29	87.75	836.95	-294.61	1,382.21	1,296.07	86.13	16.047		
8,800.00	7,151.40	7,188.58	7,078.16	60.47	35.29	87.80	837.00	-294.64	1,433.48	1,346.81	86.66	16.541		
8,900.00	7,149.95	7,189.75	7,079.33	62.86	35.30	87.86	837.06	-294.67	1,489.70	1,402.64	87.06	17.112		
9,000.00	7,148.51	7,190.94	7,080.51	65.28	35.30	87.91	837.11	-294.70	1,550.34	1,463.01	87.33	17.753		
9,100.00	7,147.07	7,192.14	7,081.71	67.74	35.31	87.97	837.16	-294.73	1,614.90	1,527.39	87.51	18.454		
9,200.00	7,145.62	7,193.36	7,082.93	70.23	35.31	88.03	837.22	-294.77	1,682.93	1,595.32	87.61	19.209		
9,300.00	7,144.18	7,194.60	7,084.17	72.74	35.32	88.09	837.27	-294.80	1,754.03	1,666.37	87.65	20.011		
9,400.00	7,142.74	7,195.86	7,085.43	75.28	35.32	88.14	837.33	-294.83	1,827.83	1,740.18	87.65	20.854		
9,500.00	7,141.29	7,197.14	7,086.70	77.84	35.33	88.21	837.38	-294.87	1,904.02	1,816.42	87.61	21.734		
9,600.00	7,139.85	7,198.43	7,088.00	80.42	35.33	88.27	837.44	-294.90	1,982.33	1,894.79	87.54	22.646		
9,700.00	7,138.41	7,199.75	7,089.31	83.01	35.34	88.33	837.50	-294.94	2,062.52	1,975.07	87.45	23.586		
9,800.00	7,136.97	7,201.09	7,090.65	85.62	35.34	88.39	837.56	-294.98	2,144.37	2,057.02	87.34	24.551		
9,900.00	7,135.52	7,202.45	7,092.01	88.25	35.35	88.46	837.62	-295.01	2,227.70	2,140.47	87.23	25.538		
10,000.00	7,134.08	7,203.83	7,093.38	90.89	35.35	88.52	837.68	-295.05	2,312.35	2,225.24	87.11	26.545		
10,100.00	7,132.64	7,205.23	7,094.78	93.54	35.36	88.59	837.74	-295.09	2,398.18	2,311.19	86.99	27.569		
10,200.00	7,131.19	7,206.65	7,096.21	96.20	35.36	88.66	837.80	-295.13	2,485.08	2,398.21	86.86	28.609		
10,300.00	7,129.75	7,208.10	7,097.65	98.87	35.37	88.73	837.87	-295.17	2,572.92	2,486.18	86.74	29.663		
10,400.00	7,128.31	7,209.57	7,099.12	101.55	35.37	88.79	837.93	-295.21	2,661.62	2,575.00	86.62	30.728		
10,500.00	7,126.86	7,211.07	7,100.61	104.24	35.38	88.87	838.00	-295.25	2,751.10	2,664.60	86.50	31.805		
10,600.00	7,125.42	7,212.59	7,102.13	106.94	35.38	88.94	838.07	-295.30	2,841.27	2,754.89	86.38	32.892		
10,700.00	7,123.98	7,214.13	7,103.67	109.64	35.39	89.01	838.13	-295.34	2,932.09	2,845.82	86.27	33.988		
10,800.00	7,122.53	7,215.70	7,105.24	112.36	35.40	89.09	838.20	-295.39	3,023.48	2,937.32	86.16	35.092		
10,900.00	7,121.09	7,217.30	7,106.84	115.08	35.40	89.16	838.27	-295.43	3,115.40	3,029.35	86.06	36.202		
11,000.00	7,119.65	7,218.93	7,108.46	117.80	35.41	89.24	838.35	-295.48	3,207.81	3,121.85	85.96	37.319		
11,100.00	7,118.20	7,220.58	7,110.11	120.53	35.41	89.32	838.42	-295.53	3,300.65	3,214.79	85.86	38.442		
11,200.00	7,116.76	7,222.26	7,111.79	123.26	35.42	89.40	838.49	-295.57	3,393.90	3,308.13	85.77	39.570		
11,300.00	7,115.32	7,223.97	7,113.50	126.00	35.43	89.48	838.57	-295.62	3,487.53	3,401.85	85.68	40.702		
11,400.00	7,113.88	7,225.71	7,115.24	128.75	35.43	89.56	838.64	-295.67	3,581.50	3,495.90	85.60	41.839		
11,500.00	7,112.43	7,227.49	7,117.01	131.50	35.44	89.64	838.72	-295.73	3,675.79	3,590.26	85.53	42.978		
11,600.00	7,110.99	7,229.31	7,118.80	134.25	35.44	89.72	838.80	-295.78	3,770.38	3,684.94	85.44	44.131		
11,700.00	7,109.55	7,231.16	7,120.62	137.01	35.45	89.80	838.88	-295.83	3,865.23	3,779.87	85.37	45.279		
11,800.00	7,108.10	7,233.04	7,122.47	139.77	35.46	89.88	838.96	-295.88	3,960.34	3,875.04	85.30	46.429		
11,900.00	7,106.66	7,234.95	7,124.34	142.53	35.47	89.96	839.04	-295.93	4,055.68	3,970.44	85.24	47.581		
12,000.00	7,105.22	7,236.89	7,126.24	145.30	35.48	89.99	839.12	-295.98	4,151.24	4,066.06	85.18	48.736		
12,100.00	7,103.77	7,238.86	7,128.17	148.06	35.49	90.02	839.20	-296.03	4,247.01	4,161.88	85.12	49.892		
12,200.00	7,102.33	7,240.84	7,130.13	150.84	35.50	90.05	839.28	-296.08	4,342.97	4,257.89	85.07	51.050		
12,300.00	7,100.89	7,242.84	7,132.12	153.61	35.51	90.08	839.36	-296.13	4,439.10	4,354.07	85.03	52.209		
12,400.00	7,099.44	7,244.86	7,134.14	156.39	35.52	90.11	839.44	-296.18	4,535.40	4,450.42	84.98	53.369		
12,500.00	7,097.99	7,246.89	7,136.19	159.17	35.53	90.14	839.52	-296.23	4,631.86	4,546.92	84.94	54.530		
12,600.00	7,096.56	7,248.93	7,138.27	161.95	35.54	90.17	839.60	-296.28	4,728.46	4,643.56	84.90	55.692		
12,700.00	7,095.12	7,250.98	7,140.36	164.73	35.55	90.20	839.68	-296.33	4,825.21	4,740.34	84.87	56.854		
12,800.00	7,093.67	7,253.04	7,142.47	167.52	35.56	90.23	839.76	-296.38	4,922.08	4,837.24	84.84	58.017		
12,900.00	7,092.23	7,255.11	7,144.60	170.31	35.57	90.26	839.84	-296.43	5,019.08	4,934.26	84.81	59.180		
13,000.00	7,090.79	7,257.19	7,146.75	173.09	35.58	90.29	839.92	-296.48	5,116.19	5,031.40	84.78	60.343		
13,100.00	7,089.34	7,259.28	7,148.92	175.89	35.59	90.32	840.00	-296.53	5,213.41	5,128.64	84.76	61.506		
13,200.00	7,087.90	7,261.37	7,151.10	178.68	35.60	90.35	840.08	-296.58	5,310.73	5,225.99	84.74	62.669		
13,300.00	7,086.46	7,263.47	7,153.29	181.47	35.61	90.38	840.16	-296.63	5,408.15	5,323.42	84.72	63.832		
13,400.00	7,085.01	7,265.58	7,155.49	184.27	35.62	90.41	840.24	-296.68	5,505.66	5,420.95	84.71	64.994		
13,500.00	7,083.57	7,267.69	7,157.70	187.07	35.63	90.44	840.32	-296.73	5,603.26	5,518.56	84.70	66.156		
13,600.00	7,082.13	7,269.81	7,159.92	189.86	35.64	90.47	840.40	-296.78	5,700.95	5,616.26	84.69	67.318		
13,700.00	7,080.68	7,271.94	7,162.15	192.66	35.65	90.50	840.48	-296.83	5,798.71	5,714.03	84.68	68.478		

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 13C-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 13C-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-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		
13,800.00	7,079.24	7,246.38	7,135.89	195.47	35.51	90.54	839.48	-296.21	5,896.54	5,811.87	84.67	69.638		
13,900.00	7,077.80	7,247.30	7,136.80	198.27	35.51	90.58	839.52	-296.24	5,994.45	5,909.78	84.67	70.798		
14,000.00	7,076.36	7,248.21	7,137.71	201.07	35.52	90.62	839.55	-296.26	6,092.43	6,007.76	84.67	71.956		
14,100.00	7,074.91	7,249.11	7,138.61	203.88	35.52	90.67	839.59	-296.28	6,190.47	6,105.80	84.67	73.113		
14,200.00	7,073.47	7,250.01	7,139.51	206.68	35.52	90.71	839.62	-296.31	6,288.57	6,203.90	84.67	74.270		
14,300.00	7,072.03	7,250.89	7,140.39	209.49	35.53	90.75	839.66	-296.33	6,386.73	6,302.06	84.68	75.425		
14,400.00	7,070.58	7,251.77	7,141.27	212.30	35.53	90.79	839.69	-296.35	6,484.95	6,400.27	84.68	76.579		
14,500.00	7,069.14	7,252.65	7,142.14	215.11	35.53	90.83	839.73	-296.38	6,583.22	6,498.53	84.69	77.732		
14,600.00	7,067.70	7,253.51	7,143.01	217.92	35.54	90.88	839.76	-296.40	6,681.54	6,596.84	84.70	78.883		
14,700.00	7,066.25	7,254.37	7,143.86	220.73	35.54	90.92	839.79	-296.42	6,779.91	6,695.20	84.71	80.033		
14,800.00	7,064.81	7,255.22	7,144.71	223.54	35.54	90.96	839.83	-296.44	6,878.33	6,793.60	84.73	81.182		
14,900.00	7,063.37	7,256.06	7,145.56	226.35	35.55	91.00	839.86	-296.46	6,976.79	6,892.05	84.74	82.329		
15,000.00	7,061.92	7,256.90	7,146.39	229.16	35.55	91.04	839.89	-296.49	7,075.30	6,990.54	84.76	83.475		
15,100.00	7,060.48	7,257.73	7,147.22	231.98	35.55	91.07	839.92	-296.51	7,173.84	7,089.07	84.78	84.619		
15,200.00	7,059.04	7,258.55	7,148.04	234.79	35.56	91.11	839.95	-296.53	7,272.43	7,187.63	84.80	85.762		
15,300.00	7,057.60	7,259.37	7,148.86	237.61	35.56	91.15	839.99	-296.55	7,371.05	7,286.23	84.82	86.903		
15,400.00	7,056.15	7,260.18	7,149.67	240.42	35.56	91.19	840.02	-296.57	7,469.71	7,384.87	84.84	88.042		
15,500.00	7,054.71	7,260.98	7,150.47	243.24	35.57	91.23	840.05	-296.59	7,568.41	7,483.54	84.87	89.179		
15,600.00	7,053.27	7,261.78	7,151.27	246.05	35.57	91.27	840.08	-296.61	7,667.14	7,582.25	84.89	90.315		
15,687.75	7,052.00	7,262.47	7,151.96	248.53	35.57	91.30	840.10	-296.63	7,753.80	7,668.89	84.92	91.310		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-69.04	363.23	-948.41	1,016.37					
100.00	100.00	56.12	56.12	3.28	3.29	-69.04	363.33	-948.45	1,015.67	1,009.10	6.57	154.553 CC, ES		
200.00	200.00	147.28	147.27	3.34	3.34	-69.00	364.25	-948.90	1,016.49	1,009.81	6.68	152.280		
300.00	300.00	244.43	244.40	3.44	3.44	-68.92	366.15	-949.67	1,017.93	1,011.04	6.89	147.797		
400.00	399.98	328.65	328.59	3.60	3.57	177.53	368.40	-950.83	1,021.93	1,014.75	7.18	142.399		
500.00	499.84	400.99	400.83	3.79	3.71	177.63	371.15	-953.07	1,031.45	1,023.92	7.53	136.984		
600.00	599.45	473.26	472.88	4.03	3.87	177.76	375.19	-956.99	1,047.18	1,039.23	7.95	131.734		
700.00	698.70	546.54	545.78	4.30	4.06	177.92	380.42	-962.31	1,068.62	1,060.20	8.42	126.891		
800.00	797.47	616.43	615.13	4.61	4.27	178.07	385.91	-968.99	1,095.79	1,086.86	8.93	122.756		
900.00	895.62	692.63	690.56	4.96	4.52	178.21	392.12	-977.83	1,128.24	1,118.76	9.47	119.104		
1,000.00	993.06	767.13	764.13	5.34	4.79	178.33	398.56	-987.61	1,165.48	1,155.44	10.04	116.100		
1,100.00	1,089.64	851.75	847.54	5.75	5.12	178.49	406.44	-999.49	1,206.95	1,196.30	10.66	113.270		
1,110.48	1,099.71	859.48	855.15	5.80	5.16	178.50	407.16	-1,000.60	1,211.51	1,200.78	10.73	112.949		
1,200.00	1,185.67	920.82	915.54	6.20	5.42	178.61	412.67	-1,009.90	1,251.15	1,239.91	11.23	111.368		
1,300.00	1,281.70	982.00	975.53	6.67	5.69	178.63	417.17	-1,020.99	1,297.28	1,285.49	11.78	110.106		
1,400.00	1,377.72	1,028.99	1,021.35	7.16	5.92	178.61	420.50	-1,030.86	1,345.70	1,333.42	12.27	109.633		
1,500.00	1,473.75	1,069.00	1,060.12	7.66	6.12	178.60	423.82	-1,040.18	1,396.67	1,383.94	12.73	109.756		
1,600.00	1,569.77	1,131.78	1,120.56	8.17	6.47	178.59	429.63	-1,056.15	1,449.61	1,436.33	13.28	109.144		
1,700.00	1,665.80	1,206.46	1,192.04	8.69	6.91	178.57	436.97	-1,076.48	1,504.06	1,490.15	13.91	108.147		
1,800.00	1,761.82	1,281.95	1,264.32	9.22	7.38	178.54	444.21	-1,097.01	1,558.47	1,543.92	14.55	107.100		
1,900.00	1,857.85	1,347.82	1,327.14	9.76	7.81	178.54	451.27	-1,115.53	1,613.93	1,598.79	15.15	106.548		
2,000.00	1,953.87	1,437.28	1,412.47	10.30	8.42	178.63	462.87	-1,139.75	1,669.33	1,653.42	15.90	104.967		
2,100.00	2,049.90	1,492.61	1,465.08	10.84	8.80	178.71	470.77	-1,154.92	1,725.46	1,709.02	16.44	104.928		
2,200.00	2,145.92	1,554.39	1,523.55	11.39	9.25	178.78	479.88	-1,172.68	1,782.80	1,765.77	17.03	104.685		
2,300.00	2,241.94	1,630.40	1,595.27	11.95	9.82	178.89	491.57	-1,194.99	1,840.85	1,823.12	17.72	103.869		
2,400.00	2,337.97	1,733.45	1,692.67	12.50	10.60	179.07	508.44	-1,224.09	1,898.36	1,879.74	18.63	101.918		
2,500.00	2,433.99	1,836.66	1,790.50	13.06	11.38	179.30	526.43	-1,251.59	1,955.01	1,935.46	19.54	100.032		
2,600.00	2,530.02	1,929.69	1,878.90	13.63	12.08	179.52	543.23	-1,275.26	2,010.92	1,990.52	20.39	98.606		
2,700.00	2,626.04	2,037.05	1,981.13	14.19	12.88	179.75	562.09	-1,302.06	2,066.33	2,044.96	21.36	96.734		
2,800.00	2,722.07	2,097.10	2,038.37	14.76	13.33	179.87	572.49	-1,316.93	2,121.51	2,099.54	21.97	96.578		
2,900.00	2,818.09	2,178.41	2,115.59	15.32	13.95	-179.98	586.77	-1,337.99	2,177.65	2,154.91	22.74	95.753		
3,000.00	2,914.12	2,277.82	2,210.37	15.89	14.71	-179.82	603.25	-1,363.03	2,232.83	2,209.17	23.67	94.343		
3,100.00	3,010.14	2,344.65	2,274.09	16.46	15.22	-179.75	613.64	-1,380.32	2,288.27	2,263.93	24.33	94.042		
3,200.00	3,106.17	2,404.27	2,330.73	17.03	15.68	-179.67	623.56	-1,396.06	2,344.49	2,319.56	24.94	94.015		
3,298.02	3,200.29	2,489.35	2,411.44	17.59	16.35	-179.55	638.26	-1,418.62	2,399.93	2,374.17	25.76	93.174		
3,300.00	3,202.19	2,491.07	2,413.07	17.60	16.36	-179.55	638.56	-1,419.07	2,401.05	2,375.27	25.77	93.158		
3,400.00	3,298.70	2,540.98	2,460.30	18.16	16.77	-179.48	647.68	-1,432.39	2,456.60	2,430.31	26.29	93.438		
3,500.00	3,396.07	2,593.90	2,510.09	18.68	17.20	-179.39	658.35	-1,446.78	2,510.36	2,483.54	26.82	93.604		
3,600.00	3,494.17	2,653.73	2,566.11	19.18	17.71	-179.27	671.46	-1,463.22	2,562.09	2,534.69	27.40	93.506		
3,700.00	3,592.88	3,542.80	3,431.67	19.64	22.92	-177.83	800.30	-1,587.42	2,589.12	2,555.32	33.80	76.593		
3,800.00	3,692.10	3,736.40	3,625.20	20.08	23.51	-177.90	800.45	-1,591.62	2,602.74	2,567.73	35.01	74.342		
3,900.00	3,791.69	3,851.62	3,740.40	20.49	23.84	-177.96	798.98	-1,593.19	2,612.41	2,576.54	35.86	72.845		
4,000.00	3,891.53	3,953.68	3,842.44	20.88	24.13	-178.01	797.40	-1,594.38	2,618.31	2,581.66	36.65	71.439		
4,108.50	4,000.00	4,044.28	3,933.02	21.27	24.39	-64.41	795.60	-1,595.75	2,620.94	2,583.54	37.41	70.069		
4,200.00	4,091.50	4,118.41	4,007.11	21.58	24.62	-64.46	794.08	-1,597.73	2,622.31	2,584.29	38.02	68.970		
4,300.00	4,191.50	4,300.00	4,138.32	21.92	25.18	-64.50	793.08	-1,599.66	2,623.28	2,584.18	39.10	67.097		
4,400.00	4,291.50	4,367.93	4,256.58	22.27	25.39	-64.47	794.15	-1,598.84	2,622.98	2,583.25	39.73	66.023		
4,500.00	4,391.50	4,463.37	4,352.01	22.62	25.69	-64.43	795.58	-1,597.99	2,622.82	2,582.35	40.47	64.806		
4,503.13	4,394.63	4,465.99	4,354.63	22.63	25.69	-64.43	795.62	-1,597.97	2,622.82	2,582.33	40.49	64.771		
4,600.00	4,491.50	4,550.12	4,438.75	22.97	25.97	-64.40	797.02	-1,597.59	2,623.11	2,581.92	41.19	63.687		
4,700.00	4,591.50	4,651.42	4,540.03	23.33	26.30	-64.36	798.94	-1,597.10	2,623.49	2,581.52	41.97	62.510		
4,800.00	4,691.50	4,800.00	4,671.47	23.69	26.78	-64.33	800.21	-1,596.30	2,623.37	2,580.44	42.93	61.103		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,791.50	4,905.35	4,793.92	24.05	27.09	-64.32	799.30	-1,594.33	2,621.47	2,577.77	43.71	59.981		
5,000.00	4,891.50	4,987.85	4,876.41	24.42	27.34	-64.32	798.89	-1,593.36	2,620.19	2,575.79	44.40	59.010		
5,100.00	4,991.50	5,071.32	4,959.88	24.78	27.60	-64.32	798.76	-1,592.84	2,619.56	2,574.45	45.11	58.074		
5,166.73	5,058.23	5,129.67	5,018.23	25.03	27.80	-64.32	798.75	-1,592.74	2,619.45	2,573.86	45.60	57.448		
5,200.00	5,091.50	5,158.77	5,047.33	25.15	27.89	-64.32	798.78	-1,592.75	2,619.48	2,573.64	45.84	57.143		
5,300.00	5,191.50	5,238.42	5,126.98	25.53	28.17	-64.32	799.07	-1,593.10	2,620.03	2,573.47	46.56	56.278		
5,400.00	5,291.50	5,342.09	5,230.64	25.90	28.53	-64.32	799.43	-1,593.98	2,620.95	2,573.57	47.38	55.322		
5,500.00	5,391.50	5,416.13	5,304.68	26.28	28.80	-64.32	799.62	-1,594.99	2,622.28	2,574.21	48.07	54.553		
5,600.00	5,491.50	5,495.48	5,384.01	26.65	29.09	-64.33	800.34	-1,596.57	2,624.46	2,575.68	48.79	53.796		
5,700.00	5,591.50	5,593.74	5,482.23	27.03	29.47	-64.30	802.42	-1,598.49	2,627.14	2,577.55	49.59	52.972		
5,800.00	5,691.50	5,797.26	5,685.72	27.41	30.16	-64.28	803.38	-1,598.18	2,626.59	2,575.77	50.82	51.687		
5,900.00	5,791.50	5,868.86	5,757.32	27.80	30.40	-64.28	803.12	-1,597.82	2,625.94	2,574.44	51.50	50.991		
5,951.05	5,842.55	5,914.10	5,802.56	27.99	30.55	-64.29	802.98	-1,597.84	2,625.88	2,574.00	51.88	50.611		
6,000.00	5,891.50	5,958.17	5,846.63	28.18	30.70	-64.29	802.88	-1,597.93	2,625.93	2,573.67	52.26	50.251		
6,100.00	5,991.50	6,046.46	5,934.92	28.57	31.01	-64.29	802.83	-1,598.36	2,626.34	2,573.32	53.02	49.535		
6,200.00	6,091.50	6,125.89	6,014.34	28.96	31.30	-64.30	803.10	-1,599.12	2,627.35	2,573.60	53.75	48.882		
6,300.00	6,191.50	6,200.44	6,088.88	29.35	31.59	-64.29	803.81	-1,600.33	2,629.23	2,574.78	54.46	48.281		
6,400.00	6,291.50	6,282.80	6,171.20	29.74	31.91	-64.28	805.19	-1,602.22	2,632.01	2,576.81	55.20	47.681		
6,500.00	6,391.50	6,470.98	6,359.34	30.13	32.62	-64.26	807.50	-1,604.11	2,633.51	2,577.09	56.42	46.676		
6,585.98	6,477.48	6,549.05	6,437.41	30.47	32.89	-64.28	806.43	-1,604.36	2,633.26	2,576.17	57.09	46.128		
6,600.00	6,491.50	6,560.31	6,448.67	30.52	32.93	-64.28	806.29	-1,604.44	2,633.27	2,576.08	57.19	46.046		
6,639.95	6,531.45	6,615.71	6,504.06	30.68	33.12	-64.30	805.61	-1,604.78	2,633.31	2,575.74	57.57	45.739		
6,650.00	6,541.50	6,641.87	6,530.21	30.72	33.21	-64.30	805.20	-1,604.75	2,633.16	2,575.45	57.72	45.623		
6,700.00	6,591.41	6,717.93	6,606.26	30.90	33.47	-64.29	803.70	-1,604.00	2,629.81	2,571.62	58.20	45.189		
6,750.00	6,640.95	6,777.20	6,665.51	31.09	33.67	-64.28	802.50	-1,603.09	2,622.79	2,564.19	58.60	44.757		
6,800.00	6,689.82	6,811.24	6,699.54	31.29	33.78	-64.28	802.03	-1,602.55	2,612.46	2,553.55	58.91	44.349		
6,850.00	6,737.71	6,851.00	6,739.30	31.49	33.92	-64.28	801.75	-1,601.93	2,598.96	2,539.74	59.22	43.889		
6,900.00	6,784.33	6,886.49	6,774.78	31.70	34.04	-64.28	801.67	-1,601.44	2,582.39	2,522.89	59.50	43.401		
6,950.00	6,829.39	6,922.29	6,810.58	31.92	34.17	-64.28	801.67	-1,601.03	2,562.86	2,503.09	59.77	42.878		
7,000.00	6,872.61	6,958.48	6,846.77	32.15	34.30	-64.28	801.76	-1,600.72	2,540.48	2,480.45	60.03	42.317		
7,050.00	6,913.73	6,995.22	6,883.51	32.41	34.43	-64.28	801.94	-1,600.43	2,515.36	2,455.07	60.29	41.720		
7,100.00	6,952.49	7,029.84	6,918.13	32.68	34.56	-64.28	802.20	-1,600.18	2,487.65	2,427.11	60.53	41.097		
7,150.00	6,988.66	7,062.13	6,950.42	32.98	34.68	-64.28	802.51	-1,599.96	2,457.54	2,396.78	60.76	40.447		
7,200.00	7,022.01	7,091.90	6,980.18	33.31	34.79	-64.28	802.86	-1,599.78	2,425.24	2,364.26	60.98	39.774		
7,250.00	7,052.33	7,118.96	7,007.24	33.67	34.89	-64.28	803.23	-1,599.62	2,390.97	2,329.79	61.19	39.077		
7,300.00	7,079.44	7,145.09	7,033.36	34.07	34.98	-64.28	803.61	-1,599.48	2,354.97	2,293.57	61.40	38.352		
7,350.00	7,103.17	7,167.96	7,056.23	34.51	35.07	-64.28	803.95	-1,599.37	2,317.48	2,255.85	61.62	37.607		
7,400.00	7,123.38	7,187.42	7,075.69	34.98	35.14	-64.28	804.22	-1,599.28	2,278.75	2,216.90	61.85	36.845		
7,450.00	7,139.94	7,203.34	7,091.61	35.50	35.20	-64.28	804.45	-1,599.21	2,239.07	2,176.99	62.08	36.067		
7,500.00	7,152.75	7,215.62	7,103.89	36.05	35.25	-64.28	804.62	-1,599.16	2,198.71	2,136.38	62.33	35.275		
7,550.00	7,161.73	7,224.18	7,112.44	36.64	35.28	-64.28	804.75	-1,599.12	2,157.97	2,095.37	62.60	34.473		
7,600.00	7,166.82	7,228.95	7,117.21	37.26	35.30	-64.28	804.81	-1,599.10	2,117.11	2,054.22	62.89	33.665		
7,649.14	7,168.00	7,229.90	7,118.17	37.89	35.31	-64.28	804.83	-1,599.10	2,077.13	2,013.93	63.20	32.867		
7,700.00	7,167.27	7,228.97	7,117.24	38.57	35.30	-64.28	804.81	-1,599.10	2,036.13	1,972.57	63.56	32.036		
7,800.00	7,165.83	7,227.14	7,115.41	40.04	35.29	-64.28	804.79	-1,599.11	1,956.87	1,892.46	64.42	30.379		
7,900.00	7,164.38	7,225.31	7,113.57	41.66	35.29	-64.28	804.76	-1,599.12	1,879.60	1,814.10	65.50	28.696		
8,000.00	7,162.94	7,223.47	7,111.73	43.40	35.28	-64.28	804.74	-1,599.13	1,804.55	1,737.72	66.83	27.000		
8,100.00	7,161.50	7,221.62	7,109.88	45.26	35.27	-64.28	804.71	-1,599.13	1,732.03	1,663.58	68.44	25.306		
8,200.00	7,160.05	7,219.76	7,108.03	47.21	35.27	-64.28	804.68	-1,599.14	1,662.36	1,592.01	70.35	23.630		
8,300.00	7,158.61	7,217.90	7,106.17	49.26	35.26	-64.28	804.66	-1,599.15	1,595.91	1,523.34	72.57	21.992		
8,400.00	7,157.17	7,216.04	7,104.30	51.38	35.25	-64.28	804.63	-1,599.15	1,533.11	1,458.01	75.10	20.413		
8,500.00	7,155.73	7,214.16	7,102.43	53.57	35.25	-64.28	804.60	-1,599.16	1,474.42	1,396.46	77.96	18.913		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,600.00	7,154.28	7,212.28	7,100.55	55.82	35.24	89.85	804.58	-1,599.17	1,420.35	1,339.24	81.11	17.511		
8,700.00	7,152.84	7,210.40	7,098.66	58.12	35.23	89.76	804.55	-1,599.18	1,371.45	1,286.92	84.53	16.224		
8,800.00	7,151.40	7,208.51	7,096.77	60.47	35.22	89.67	804.52	-1,599.19	1,328.28	1,240.11	88.17	15.066		
8,900.00	7,149.95	7,206.61	7,094.88	62.86	35.22	89.58	804.50	-1,599.19	1,291.43	1,199.48	91.95	14.045		
9,000.00	7,148.51	7,204.70	7,092.97	65.28	35.21	89.49	804.47	-1,599.20	1,261.44	1,165.67	95.78	13.171		
9,100.00	7,147.07	7,202.79	7,091.06	67.74	35.20	89.40	804.44	-1,599.21	1,238.82	1,139.27	99.55	12.444		
9,200.00	7,145.62	7,200.87	7,089.14	70.23	35.20	89.31	804.42	-1,599.22	1,223.98	1,120.83	103.15	11.866		
9,300.00	7,144.18	7,198.95	7,087.22	72.74	35.19	89.22	804.39	-1,599.23	1,217.19	1,110.72	106.47	11.433		
9,332.88	7,143.71	7,198.32	7,086.58	73.58	35.19	89.19	804.38	-1,599.23	1,216.75	1,109.26	107.48	11.321		
9,400.00	7,142.74	7,197.02	7,085.29	75.28	35.18	89.13	804.36	-1,599.23	1,218.59	1,109.19	109.40	11.139		
9,500.00	7,141.29	7,195.08	7,083.35	77.84	35.17	89.04	804.33	-1,599.24	1,228.16	1,116.29	111.88	10.978		
9,600.00	7,139.85	7,193.14	7,081.41	80.42	35.17	88.95	804.31	-1,599.25	1,245.71	1,131.85	113.86	10.941 SF		
9,700.00	7,138.41	7,191.19	7,079.46	83.01	35.16	88.86	804.28	-1,599.26	1,270.90	1,155.56	115.34	11.018		
9,800.00	7,136.97	7,189.23	7,077.50	85.62	35.15	88.77	804.25	-1,599.27	1,303.30	1,186.95	116.35	11.202		
9,900.00	7,135.52	7,187.27	7,075.54	88.25	35.14	88.67	804.22	-1,599.28	1,342.37	1,225.46	116.92	11.482		
10,000.00	7,134.08	7,185.30	7,073.57	90.89	35.14	88.58	804.19	-1,599.29	1,387.57	1,270.46	117.11	11.849		
10,100.00	7,132.64	7,183.32	7,071.59	93.54	35.13	88.49	804.17	-1,599.29	1,438.30	1,321.31	116.99	12.294		
10,200.00	7,131.19	7,181.34	7,069.61	96.20	35.12	88.39	804.14	-1,599.30	1,494.01	1,377.39	116.62	12.811		
10,300.00	7,129.75	7,179.35	7,067.62	98.87	35.11	88.30	804.11	-1,599.31	1,554.17	1,438.11	116.06	13.391		
10,400.00	7,128.31	7,177.35	7,065.62	101.55	35.11	88.21	804.08	-1,599.32	1,618.26	1,502.91	115.36	14.028		
10,500.00	7,126.86	7,175.35	7,063.62	104.24	35.10	88.11	804.05	-1,599.33	1,685.86	1,571.31	114.55	14.717		
10,600.00	7,125.42	7,173.33	7,061.61	106.94	35.09	88.02	804.02	-1,599.34	1,756.54	1,642.86	113.68	15.451		
10,700.00	7,123.98	7,171.32	7,059.59	109.64	35.08	87.92	803.99	-1,599.35	1,829.96	1,717.19	112.77	16.227		
10,800.00	7,122.53	7,169.29	7,057.56	112.36	35.08	87.83	803.96	-1,599.36	1,905.80	1,793.95	111.85	17.039		
10,900.00	7,121.09	7,167.26	7,055.53	115.08	35.07	87.73	803.94	-1,599.37	1,983.78	1,872.86	110.92	17.885		
11,000.00	7,119.65	7,165.22	7,053.49	117.80	35.06	87.64	803.91	-1,599.38	2,063.66	1,953.65	110.00	18.760		
11,100.00	7,118.20	7,163.17	7,051.44	120.53	35.05	87.54	803.88	-1,599.39	2,145.22	2,036.12	109.11	19.662		
11,200.00	7,116.76	7,161.12	7,049.39	123.26	35.04	87.44	803.85	-1,599.40	2,228.29	2,120.05	108.23	20.588		
11,300.00	7,115.32	7,159.06	7,047.33	126.00	35.04	87.35	803.82	-1,599.41	2,312.69	2,205.30	107.39	21.536		
11,400.00	7,113.88	7,156.99	7,045.26	128.75	35.03	87.25	803.79	-1,599.42	2,398.29	2,291.72	106.57	22.504		
11,500.00	7,112.43	7,154.91	7,043.19	131.50	35.02	87.15	803.76	-1,599.43	2,484.97	2,379.18	105.79	23.490		
11,600.00	7,110.99	7,152.83	7,041.11	134.25	35.01	87.05	803.73	-1,599.44	2,572.61	2,467.57	105.04	24.491		
11,700.00	7,109.55	7,150.74	7,039.02	137.01	35.01	86.95	803.70	-1,599.45	2,661.12	2,556.79	104.33	25.508		
11,800.00	7,108.10	7,148.64	7,036.92	139.77	35.00	86.86	803.67	-1,599.46	2,750.42	2,646.77	103.64	26.538		
11,900.00	7,106.66	7,146.54	7,034.81	142.53	34.99	86.76	803.64	-1,599.47	2,840.42	2,737.44	102.99	27.580		
12,000.00	7,105.22	7,144.43	7,032.70	145.30	34.98	86.66	803.61	-1,599.48	2,931.08	2,828.71	102.37	28.633		
12,100.00	7,103.77	7,142.31	7,030.58	148.06	34.97	86.56	803.57	-1,599.49	3,022.32	2,920.55	101.77	29.696		
12,200.00	7,102.33	7,140.18	7,028.46	150.84	34.97	86.46	803.54	-1,599.51	3,114.10	3,012.89	101.21	30.769		
12,300.00	7,100.89	7,138.05	7,026.32	153.61	34.96	86.36	803.51	-1,599.52	3,206.37	3,105.70	100.67	31.849		
12,400.00	7,099.44	7,135.90	7,024.18	156.39	34.95	86.26	803.48	-1,599.53	3,299.09	3,198.93	100.16	32.938		
12,500.00	7,098.00	7,133.75	7,022.03	159.17	34.94	86.16	803.45	-1,599.54	3,392.22	3,292.55	99.67	34.033		
12,600.00	7,096.56	7,131.60	7,019.87	161.95	34.93	86.06	803.42	-1,599.55	3,485.73	3,386.52	99.21	35.135		
12,700.00	7,095.12	7,129.43	7,017.71	164.73	34.93	85.95	803.39	-1,599.56	3,579.59	3,480.83	98.77	36.242		
12,800.00	7,093.67	7,127.26	7,015.53	167.52	34.92	85.85	803.35	-1,599.57	3,673.78	3,575.43	98.35	37.355		
12,900.00	7,092.23	7,125.08	7,013.35	170.31	34.91	85.75	803.32	-1,599.59	3,768.26	3,670.31	97.95	38.473		
13,000.00	7,090.79	7,122.89	7,011.16	173.09	34.90	85.65	803.29	-1,599.60	3,863.02	3,765.46	97.56	39.595		
13,100.00	7,089.34	7,120.69	7,008.97	175.89	34.89	85.54	803.26	-1,599.61	3,958.03	3,860.84	97.20	40.721		
13,200.00	7,087.90	7,118.54	7,006.81	178.68	34.88	85.44	803.23	-1,599.62	4,053.29	3,956.44	96.85	41.851		
13,300.00	7,086.46	7,116.55	7,004.83	181.47	34.88	85.35	803.20	-1,599.63	4,148.76	4,052.24	96.52	42.984		
13,400.00	7,085.01	7,114.55	7,002.83	184.27	34.87	85.26	803.17	-1,599.65	4,244.45	4,148.24	96.20	44.119		
13,500.00	7,083.57	7,112.55	7,000.83	187.07	34.86	85.16	803.14	-1,599.66	4,340.33	4,244.42	95.90	45.258		
13,600.00	7,082.13	7,110.55	6,998.83	189.86	34.85	85.07	803.11	-1,599.67	4,436.38	4,340.77	95.61	46.398		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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-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		
13,700.00	7,080.68	7,108.54	6,996.82	192.66	34.85	84.97	803.08	-1,599.68	4,532.61	4,437.27	95.34	47.541		
13,800.00	7,079.24	7,106.53	6,994.81	195.47	34.84	84.88	803.06	-1,599.69	4,629.00	4,533.92	95.08	48.686		
13,900.00	7,077.80	7,104.51	6,992.79	198.27	34.83	84.79	803.03	-1,599.70	4,725.54	4,630.71	94.83	49.833		
14,000.00	7,076.36	7,102.48	6,990.76	201.07	34.83	84.69	803.00	-1,599.71	4,822.21	4,727.62	94.59	50.981		
14,100.00	7,074.91	7,100.45	6,988.73	203.88	34.82	84.60	802.97	-1,599.73	4,919.02	4,824.66	94.36	52.130		
14,200.00	7,073.47	7,098.41	6,986.69	206.68	34.81	84.50	802.95	-1,599.74	5,015.95	4,921.81	94.14	53.281		
14,300.00	7,072.03	7,096.37	6,984.65	209.49	34.80	84.41	802.92	-1,599.75	5,113.00	5,019.07	93.93	54.432		
14,400.00	7,070.58	7,094.33	6,982.61	212.30	34.80	84.31	802.89	-1,599.76	5,210.17	5,116.43	93.73	55.585		
14,500.00	7,069.14	7,092.28	6,980.56	215.11	34.79	84.21	802.87	-1,599.78	5,307.43	5,213.89	93.54	56.738		
14,600.00	7,067.70	7,090.22	6,978.50	217.92	34.78	84.12	802.84	-1,599.79	5,404.80	5,311.43	93.36	57.891		
14,700.00	7,066.25	7,088.16	6,976.44	220.73	34.77	84.02	802.81	-1,599.80	5,502.25	5,409.07	93.19	59.045		
14,800.00	7,064.81	7,086.09	6,974.37	223.54	34.77	83.92	802.79	-1,599.81	5,599.80	5,506.78	93.02	60.199		
14,900.00	7,063.37	7,084.01	6,972.30	226.35	34.76	83.83	802.76	-1,599.83	5,697.43	5,604.57	92.86	61.353		
15,000.00	7,061.92	7,081.94	6,970.22	229.16	34.75	83.73	802.74	-1,599.84	5,795.15	5,702.43	92.71	62.507		
15,100.00	7,060.48	7,079.85	6,968.13	231.98	34.74	83.63	802.71	-1,599.85	5,892.93	5,800.37	92.57	63.662		
15,200.00	7,059.04	7,077.76	6,966.04	234.79	34.73	83.54	802.69	-1,599.86	5,990.79	5,898.37	92.43	64.816		
15,300.00	7,057.60	7,075.67	6,963.95	237.61	34.73	83.44	802.66	-1,599.88	6,088.72	5,996.43	92.30	65.969		
15,400.00	7,056.15	7,073.56	6,961.85	240.42	34.72	83.34	802.64	-1,599.89	6,186.72	6,094.55	92.17	67.123		
15,500.00	7,054.71	7,071.46	6,959.74	243.24	34.71	83.24	802.61	-1,599.90	6,284.77	6,192.72	92.05	68.276		
15,600.00	7,053.27	7,069.35	6,957.63	246.05	34.70	83.14	802.59	-1,599.92	6,382.89	6,290.95	91.94	69.428		
15,687.75	7,052.00	7,067.49	6,955.77	248.53	34.70	83.06	802.57	-1,599.93	6,469.04	6,377.20	91.84	70.439		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-70.53	332.26	-939.78	997.51					
100.00	100.00	57.09	57.09	3.28	3.29	-70.53	332.28	-939.88	996.90	990.33	6.57	151.688		
200.00	200.00	146.42	146.41	3.34	3.34	-70.54	332.46	-940.79	997.93	991.25	6.68	149.493		
300.00	300.00	249.69	249.68	3.44	3.45	-70.55	332.85	-942.30	999.43	992.54	6.89	144.978		
400.00	399.98	340.25	340.22	3.60	3.59	175.78	332.96	-943.87	1,002.86	995.67	7.19	139.432		
500.00	499.84	442.59	442.51	3.79	3.80	175.67	331.65	-946.59	1,010.15	1,002.56	7.59	133.058		
600.00	599.45	544.79	544.56	4.03	4.04	175.40	327.29	-949.86	1,020.44	1,012.37	8.07	126.416		
700.00	698.70	631.60	631.03	4.30	4.28	175.01	320.91	-954.10	1,034.82	1,026.23	8.59	120.505		
800.00	797.47	718.54	717.43	4.61	4.55	174.53	313.18	-959.89	1,053.85	1,044.69	9.16	115.031		
900.00	895.62	813.32	811.45	4.96	4.88	173.95	303.59	-967.07	1,076.85	1,067.04	9.81	109.754		
1,000.00	993.06	905.22	902.52	5.34	5.23	173.38	293.78	-974.49	1,103.60	1,093.10	10.50	105.117		
1,100.00	1,089.64	992.09	988.41	5.75	5.58	172.79	283.31	-982.24	1,134.16	1,122.95	11.21	101.190		
1,110.48	1,099.71	999.31	995.53	5.80	5.61	172.73	282.36	-982.96	1,137.61	1,126.33	11.28	100.814		
1,200.00	1,185.67	1,060.28	1,055.48	6.20	5.88	172.31	273.68	-989.84	1,168.24	1,156.38	11.87	98.448		
1,300.00	1,281.70	1,134.21	1,127.78	6.67	6.24	171.73	261.99	-999.88	1,204.26	1,191.69	12.57	95.805		
1,400.00	1,377.72	1,216.74	1,208.14	7.16	6.66	171.05	247.94	-1,012.40	1,241.57	1,228.23	13.35	93.034		
1,500.00	1,473.75	1,298.23	1,287.14	7.66	7.10	170.34	232.88	-1,025.51	1,279.61	1,265.46	14.14	90.468		
1,600.00	1,569.77	1,375.69	1,361.86	8.17	7.55	169.65	217.51	-1,038.96	1,318.70	1,303.76	14.94	88.252		
1,700.00	1,665.80	1,459.44	1,442.35	8.69	8.06	168.89	200.30	-1,054.42	1,358.85	1,343.04	15.81	85.974		
1,800.00	1,761.82	1,554.78	1,533.68	9.22	8.67	168.03	179.41	-1,072.12	1,399.10	1,382.32	16.78	83.376		
1,900.00	1,857.85	1,658.32	1,632.53	9.76	9.35	167.08	155.13	-1,091.05	1,439.12	1,421.27	17.85	80.635		
2,000.00	1,953.87	1,754.94	1,725.00	10.30	10.00	166.25	132.62	-1,107.73	1,478.46	1,459.58	18.88	78.308		
2,100.00	2,049.90	1,822.00	1,788.78	10.84	10.48	165.65	115.78	-1,119.77	1,518.48	1,498.79	19.69	77.121		
2,200.00	2,145.92	1,883.59	1,846.86	11.39	10.93	165.08	99.46	-1,132.20	1,560.48	1,540.02	20.45	76.295		
2,300.00	2,241.94	1,963.06	1,921.81	11.95	11.53	164.39	79.08	-1,148.97	1,603.69	1,582.31	21.38	74.998		
2,400.00	2,337.97	2,063.66	2,017.09	12.50	12.28	163.61	54.41	-1,169.82	1,646.88	1,624.38	22.51	73.174		
2,500.00	2,433.99	2,148.14	2,097.23	13.06	12.91	163.00	34.13	-1,187.21	1,690.19	1,666.71	23.48	71.983		
2,600.00	2,530.02	2,251.17	2,195.00	13.63	13.69	162.30	9.25	-1,208.07	1,733.36	1,708.72	24.64	70.361		
2,700.00	2,626.04	2,337.13	2,276.81	14.19	14.34	161.76	-11.15	-1,224.86	1,776.08	1,750.45	25.63	69.303		
2,800.00	2,722.07	2,402.00	2,338.48	14.76	14.82	161.38	-26.03	-1,238.40	1,820.09	1,793.68	26.41	68.911		
2,900.00	2,818.09	2,506.59	2,437.91	15.32	15.62	160.80	-49.90	-1,260.36	1,864.46	1,836.88	27.59	67.585		
3,000.00	2,914.12	2,578.00	2,505.84	15.89	16.16	160.41	-66.52	-1,274.80	1,908.30	1,879.86	28.44	67.107		
3,100.00	3,010.14	2,641.71	2,566.30	16.46	16.66	160.07	-81.34	-1,288.37	1,953.24	1,924.03	29.21	66.875		
3,200.00	3,106.17	2,717.54	2,637.88	17.03	17.26	159.68	-99.17	-1,305.91	1,999.73	1,969.62	30.11	66.416		
3,298.02	3,200.29	2,910.69	2,820.97	17.59	18.77	158.69	-146.43	-1,345.11	2,042.69	2,010.47	32.22	63.407		
3,300.00	3,202.19	2,912.95	2,823.13	17.60	18.79	158.69	-146.97	-1,345.52	2,043.52	2,011.28	32.24	63.383		
3,400.00	3,298.70	3,013.03	2,918.48	18.16	19.55	158.51	-171.70	-1,363.18	2,083.73	2,050.34	33.38	62.418		
3,500.00	3,396.07	3,129.54	3,029.57	18.68	20.43	158.20	-200.97	-1,382.60	2,120.09	2,085.43	34.67	61.152		
3,600.00	3,494.17	3,197.00	3,094.35	19.18	20.92	158.16	-216.02	-1,393.86	2,153.71	2,118.26	35.44	60.762		
3,700.00	3,592.88	3,252.70	3,147.87	19.64	21.33	158.16	-227.67	-1,403.96	2,185.74	2,149.67	36.07	60.592		
3,800.00	3,692.10	3,493.49	3,379.27	20.08	23.06	157.21	-280.54	-1,443.91	2,214.38	2,175.93	38.45	57.590		
3,900.00	3,791.69	3,583.15	3,465.54	20.49	23.69	156.88	-302.29	-1,455.02	2,234.94	2,195.54	39.40	56.728		
4,000.00	3,891.53	3,642.00	3,522.08	20.88	24.11	156.69	-316.53	-1,462.99	2,253.69	2,213.65	40.04	56.283		
4,108.50	4,000.00	3,698.03	3,575.70	21.27	24.53	-89.85	-330.31	-1,471.60	2,272.68	2,232.06	40.63	55.942		
4,200.00	4,091.50	3,747.42	3,622.63	21.58	24.91	-90.17	-343.04	-1,480.22	2,289.15	2,248.04	41.11	55.687		
4,300.00	4,191.50	3,822.00	3,693.06	21.92	25.51	-90.68	-363.34	-1,494.01	2,308.55	2,266.70	41.86	55.156		
4,400.00	4,291.50	3,904.55	3,770.67	22.27	26.20	-91.27	-386.66	-1,509.77	2,328.92	2,286.23	42.70	54.546		
4,500.00	4,391.50	4,015.93	3,875.26	22.62	27.12	-92.05	-418.60	-1,530.86	2,349.52	2,305.66	43.85	53.577		
4,600.00	4,491.50	4,136.26	3,989.33	22.97	28.07	-92.80	-449.76	-1,553.06	2,369.73	2,324.67	45.06	52.591		
4,700.00	4,591.50	4,212.18	4,062.35	23.33	28.63	-93.16	-465.34	-1,566.80	2,389.38	2,343.61	45.77	52.203		
4,800.00	4,691.50	4,266.00	4,114.14	23.69	29.02	-93.38	-475.02	-1,577.80	2,411.00	2,364.76	46.24	52.141		
4,900.00	4,791.50	4,339.89	4,184.96	24.05	29.56	-93.69	-488.67	-1,593.82	2,434.06	2,387.15	46.91	51.890		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	4,891.50	4,503.94	4,342.12	24.42	30.78	-94.43	-521.89	-1,627.13	2,456.13	2,407.63	48.50	50.639		
5,100.00	4,991.50	4,829.41	4,658.78	24.78	32.90	-95.68	-579.24	-1,673.95	2,471.63	2,420.28	51.35	48.134		
5,200.00	5,091.50	4,919.30	4,747.34	25.15	33.40	-95.93	-591.04	-1,683.78	2,483.92	2,431.79	52.13	47.652		
5,300.00	5,191.50	5,062.29	4,888.54	25.53	34.16	-96.29	-608.11	-1,698.55	2,495.58	2,442.31	53.26	46.852		
5,400.00	5,291.50	5,289.62	5,114.46	25.90	35.21	-96.70	-627.99	-1,713.53	2,502.48	2,447.66	54.81	45.654		
5,500.00	5,391.50	5,479.54	5,303.84	26.28	35.96	-96.97	-640.66	-1,719.64	2,506.68	2,450.67	56.01	44.756		
5,600.00	5,491.50	5,626.58	5,450.80	26.65	36.45	-97.08	-645.19	-1,720.34	2,507.43	2,450.50	56.93	44.045		
5,700.00	5,591.50	5,711.33	5,535.51	27.03	36.72	-97.13	-647.64	-1,720.43	2,507.89	2,450.27	57.62	43.528		
5,800.00	5,691.50	5,821.15	5,645.30	27.41	37.06	-97.18	-649.89	-1,720.90	2,508.59	2,450.20	58.38	42.968		
5,877.27	5,768.77	5,906.63	5,730.78	27.71	37.30	-97.16	-648.87	-1,720.98	2,508.52	2,449.57	58.95	42.554		
5,900.00	5,791.50	5,924.69	5,748.83	27.80	37.34	-97.15	-648.50	-1,721.04	2,508.54	2,449.45	59.09	42.452		
6,000.00	5,891.50	6,011.54	5,835.66	28.18	37.57	-97.10	-646.68	-1,721.73	2,509.06	2,449.32	59.74	41.999		
6,100.00	5,991.50	6,109.17	5,933.27	28.57	37.83	-97.05	-644.56	-1,722.78	2,509.86	2,449.43	60.43	41.535		
6,200.00	6,091.50	6,196.26	6,020.33	28.96	38.07	-97.01	-642.59	-1,723.87	2,510.83	2,449.75	61.09	41.103		
6,300.00	6,191.50	6,287.42	6,111.44	29.35	38.33	-96.95	-640.40	-1,725.59	2,512.41	2,450.65	61.76	40.679		
6,400.00	6,291.50	6,392.05	6,216.02	29.74	38.62	-96.89	-637.89	-1,727.60	2,514.03	2,451.55	62.49	40.233		
6,500.00	6,391.50	6,482.27	6,306.19	30.13	38.88	-96.83	-635.58	-1,729.38	2,515.68	2,452.52	63.17	39.826		
6,600.00	6,491.50	6,573.99	6,397.87	30.52	39.16	-96.79	-633.74	-1,731.49	2,517.74	2,453.88	63.86	39.426		
6,639.95	6,531.45	6,612.59	6,436.45	30.68	39.28	-96.77	-633.10	-1,732.44	2,518.63	2,454.49	64.15	39.264		
6,650.00	6,541.50	6,622.45	6,446.31	30.72	39.31	-4.91	-632.94	-1,732.69	2,518.78	2,454.57	64.22	39.222		
6,700.00	6,591.41	6,671.46	6,495.30	30.90	39.46	-4.91	-632.15	-1,733.91	2,517.19	2,452.62	64.56	38.988		
6,750.00	6,640.95	6,721.73	6,545.54	31.09	39.61	-4.94	-631.28	-1,735.18	2,511.69	2,446.79	64.90	38.698		
6,800.00	6,689.82	6,771.49	6,595.28	31.29	39.77	-5.01	-630.27	-1,736.43	2,502.32	2,437.09	65.23	38.360		
6,850.00	6,737.71	6,819.05	6,642.81	31.49	39.91	-5.11	-629.06	-1,737.67	2,489.14	2,423.60	65.54	37.980		
6,900.00	6,784.33	6,864.88	6,688.60	31.70	40.05	-5.26	-627.66	-1,738.89	2,472.24	2,406.42	65.82	37.558		
6,950.00	6,829.39	6,907.27	6,730.95	31.92	40.18	-5.45	-626.27	-1,740.08	2,451.77	2,385.68	66.08	37.101		
7,000.00	6,872.61	6,949.69	6,773.33	32.15	40.30	-5.71	-624.83	-1,741.33	2,427.85	2,361.52	66.33	36.602		
7,050.00	6,913.73	7,000.76	6,824.35	32.41	40.45	-6.03	-623.01	-1,742.74	2,400.49	2,333.90	66.59	36.046		
7,100.00	6,952.49	7,045.69	6,869.23	32.68	40.59	-6.45	-621.30	-1,743.85	2,369.82	2,303.00	66.82	35.464		
7,150.00	6,988.66	7,083.15	6,906.65	32.98	40.70	-6.98	-619.85	-1,744.73	2,336.14	2,269.12	67.01	34.861		
7,200.00	7,022.01	7,117.80	6,941.27	33.31	40.80	-7.66	-618.51	-1,745.55	2,299.67	2,232.49	67.18	34.230		
7,250.00	7,052.33	7,145.85	6,969.29	33.67	40.88	-8.53	-617.41	-1,746.22	2,260.67	2,193.35	67.32	33.582		
7,300.00	7,079.44	7,170.81	6,994.21	34.07	40.96	-9.67	-616.43	-1,746.86	2,219.41	2,151.98	67.43	32.912		
7,350.00	7,103.17	7,192.90	7,016.29	34.51	41.02	-11.22	-615.56	-1,747.45	2,176.13	2,108.59	67.53	32.224		
7,400.00	7,123.38	7,212.29	7,035.65	34.98	41.08	-13.40	-614.79	-1,748.00	2,131.07	2,063.46	67.61	31.519		
7,450.00	7,139.94	7,230.52	7,053.86	35.50	41.13	-16.66	-614.06	-1,748.51	2,084.51	2,016.83	67.68	30.798		
7,500.00	7,152.75	7,244.94	7,068.26	36.05	41.18	-21.87	-613.47	-1,748.92	2,036.72	1,968.98	67.74	30.068		
7,550.00	7,161.73	7,255.46	7,078.77	36.64	41.21	-31.14	-613.03	-1,749.22	1,987.99	1,920.22	67.78	29.332		
7,600.00	7,166.82	7,262.02	7,085.32	37.26	41.23	-49.87	-612.75	-1,749.41	1,938.64	1,870.84	67.80	28.594		
7,649.14	7,168.00	7,264.58	7,087.88	37.89	41.24	-85.60	-612.64	-1,749.48	1,889.82	1,822.01	67.81	27.868		
7,700.00	7,167.27	7,265.23	7,088.52	38.57	41.24	-85.78	-612.62	-1,749.50	1,839.24	1,771.42	67.82	27.119		
7,800.00	7,165.83	7,266.50	7,089.79	40.04	41.24	-86.16	-612.56	-1,749.53	1,739.84	1,672.00	67.84	25.645		
7,900.00	7,164.38	7,267.77	7,091.06	41.66	41.25	-86.53	-612.51	-1,749.57	1,640.51	1,572.63	67.87	24.170		
8,000.00	7,162.94	7,269.04	7,092.33	43.40	41.25	-86.90	-612.45	-1,749.61	1,541.26	1,473.34	67.92	22.693		
8,100.00	7,161.50	7,270.31	7,093.60	45.26	41.25	-87.27	-612.40	-1,749.64	1,442.12	1,374.14	67.98	21.214		
8,200.00	7,160.05	7,271.57	7,094.86	47.21	41.26	-87.64	-612.35	-1,749.68	1,343.10	1,275.04	68.06	19.733		
8,300.00	7,158.61	7,272.84	7,096.12	49.26	41.26	-88.01	-612.29	-1,749.71	1,244.24	1,176.06	68.18	18.249		
8,400.00	7,157.17	7,274.10	7,097.38	51.38	41.26	-88.38	-612.24	-1,749.75	1,145.58	1,077.24	68.34	16.763		
8,500.00	7,155.73	7,275.36	7,098.64	53.57	41.27	-88.75	-612.18	-1,749.78	1,047.17	978.60	68.56	15.273		
8,600.00	7,154.28	7,276.62	7,099.90	55.82	41.27	-89.12	-612.13	-1,749.82	949.09	880.20	68.88	13.779		
8,700.00	7,152.84	7,277.88	7,101.15	58.12	41.28	-89.49	-612.08	-1,749.85	851.45	782.11	69.34	12.280		
8,800.00	7,151.40	7,279.13	7,102.41	60.47	41.28	-89.86	-612.02	-1,749.89	754.43	684.43	70.00	10.777		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	7,149.95	7,280.39	7,103.66	62.86	41.28	-90.23	-611.97	-1,749.93	658.30	587.29	71.01	9.270		
9,000.00	7,148.51	7,281.64	7,104.91	65.28	41.29	-90.60	-611.91	-1,749.96	563.52	490.93	72.58	7.764		
9,100.00	7,147.07	7,282.89	7,106.16	67.74	41.29	-90.97	-611.86	-1,750.00	470.89	395.78	75.11	6.269		
9,200.00	7,145.62	7,284.14	7,107.41	70.23	41.29	-91.34	-611.80	-1,750.03	382.00	302.65	79.35	4.814		
9,300.00	7,144.18	7,285.39	7,108.66	72.74	41.30	-91.71	-611.75	-1,750.07	300.18	213.58	86.61	3.466		
9,400.00	7,142.74	7,286.64	7,109.91	75.28	41.30	-92.08	-611.70	-1,750.10	233.00	134.50	98.50	2.366		
9,500.00	7,141.29	7,287.89	7,111.15	77.84	41.31	-92.45	-611.64	-1,750.14	196.13	83.81	112.33	1.746		
9,529.13	7,140.87	7,288.25	7,111.51	78.59	41.31	-92.55	-611.63	-1,750.15	193.96	79.19	114.77	1.690 CC, ES, SF		
9,600.00	7,139.85	7,289.13	7,112.39	80.42	41.31	-92.81	-611.59	-1,750.17	206.50	91.87	114.62	1.802		
9,700.00	7,138.41	7,290.37	7,113.63	83.01	41.31	-93.18	-611.53	-1,750.21	258.48	153.37	105.11	2.459		
9,800.00	7,136.97	7,291.61	7,114.87	85.62	41.32	-93.55	-611.48	-1,750.24	333.14	237.81	95.32	3.495		
9,900.00	7,135.52	7,292.85	7,116.11	88.25	41.32	-93.91	-611.42	-1,750.28	418.50	330.09	88.41	4.734		
10,000.00	7,134.08	7,294.09	7,117.35	90.89	41.32	-94.28	-611.37	-1,750.31	509.22	425.42	83.80	6.076		
10,100.00	7,132.64	7,295.33	7,118.58	93.54	41.33	-94.64	-611.32	-1,750.35	602.88	522.19	80.69	7.472		
10,200.00	7,131.19	7,296.56	7,119.81	96.20	41.33	-95.01	-611.26	-1,750.38	698.30	619.78	78.51	8.894		
10,300.00	7,129.75	7,297.80	7,121.05	98.87	41.34	-95.37	-611.21	-1,750.42	794.84	717.89	76.95	10.329		
10,400.00	7,128.31	7,299.05	7,122.30	101.55	41.34	-95.74	-611.15	-1,750.45	892.15	816.36	75.79	11.771		
10,500.00	7,126.86	7,300.31	7,123.55	104.24	41.34	-96.11	-611.10	-1,750.49	989.99	915.07	74.91	13.216		
10,600.00	7,125.42	7,301.57	7,124.82	106.94	41.35	-96.48	-611.04	-1,750.52	1,088.22	1,013.99	74.23	14.660		
10,700.00	7,123.98	7,302.85	7,126.09	109.64	41.35	-96.86	-610.98	-1,750.56	1,186.74	1,113.05	73.69	16.104		
10,800.00	7,122.53	7,304.13	7,127.37	112.36	41.35	-97.23	-610.93	-1,750.59	1,285.49	1,212.23	73.26	17.547		
10,900.00	7,121.09	7,305.41	7,128.65	115.08	41.36	-97.61	-610.87	-1,750.63	1,384.42	1,311.51	72.91	18.987		
11,000.00	7,119.65	7,306.70	7,129.94	117.80	41.36	-97.99	-610.81	-1,750.67	1,483.49	1,410.86	72.63	20.425		
11,100.00	7,118.20	7,308.00	7,131.24	120.53	41.37	-98.37	-610.76	-1,750.70	1,582.68	1,510.28	72.40	21.861		
11,200.00	7,116.76	7,309.30	7,132.54	123.26	41.37	-98.75	-610.70	-1,750.74	1,681.97	1,609.76	72.21	23.294		
11,300.00	7,115.32	7,310.61	7,133.85	126.00	41.37	-99.13	-610.64	-1,750.78	1,781.33	1,709.28	72.05	24.724		
11,400.00	7,113.88	7,311.93	7,135.16	128.75	41.38	-99.51	-610.58	-1,750.82	1,880.76	1,808.84	71.92	26.152		
11,500.00	7,112.43	7,313.26	7,136.49	131.50	41.38	-99.90	-610.52	-1,750.85	1,980.24	1,908.44	71.81	27.577		
11,600.00	7,110.99	7,314.59	7,137.81	134.25	41.39	-100.29	-610.46	-1,750.89	2,079.78	2,008.06	71.72	29.000		
11,700.00	7,109.55	7,315.92	7,139.15	137.01	41.39	-100.67	-610.40	-1,750.93	2,179.35	2,107.71	71.64	30.419		
11,800.00	7,108.10	7,317.27	7,140.49	139.77	41.39	-101.06	-610.35	-1,750.97	2,278.97	2,207.38	71.58	31.836		
11,900.00	7,106.66	7,318.62	7,141.84	142.53	41.40	-101.45	-610.29	-1,751.01	2,378.61	2,307.07	71.54	33.250		
12,000.00	7,105.22	7,319.98	7,143.20	145.30	41.40	-101.84	-610.23	-1,751.05	2,478.28	2,406.78	71.50	34.661		
12,100.00	7,103.77	7,321.34	7,144.56	148.06	41.41	-102.24	-610.16	-1,751.08	2,577.98	2,506.51	71.47	36.069		
12,200.00	7,102.33	7,322.71	7,145.93	150.84	41.41	-102.63	-610.10	-1,751.12	2,677.70	2,606.24	71.45	37.474		
12,300.00	7,100.89	7,324.09	7,147.31	153.61	41.41	-103.02	-610.04	-1,751.16	2,777.44	2,705.99	71.44	38.876		
12,400.00	7,099.44	7,325.48	7,148.69	156.39	41.42	-103.42	-609.98	-1,751.20	2,877.19	2,805.75	71.44	40.275		
12,500.00	7,098.00	7,326.87	7,150.08	159.17	41.42	-103.81	-609.92	-1,751.24	2,976.96	2,905.52	71.44	41.671		
12,600.00	7,096.56	7,328.27	7,151.48	161.95	41.43	-104.21	-609.86	-1,751.28	3,076.75	3,005.30	71.45	43.064		
12,700.00	7,095.12	7,329.68	7,152.88	164.73	41.43	-104.61	-609.80	-1,751.32	3,176.55	3,105.09	71.46	44.454		
12,800.00	7,093.67	7,331.09	7,154.30	167.52	41.44	-105.01	-609.73	-1,751.36	3,276.36	3,204.89	71.47	45.840		
12,900.00	7,092.23	7,332.51	7,155.72	170.31	41.44	-105.41	-609.67	-1,751.41	3,376.18	3,304.69	71.49	47.223		
13,000.00	7,090.79	7,333.94	7,157.14	173.09	41.44	-105.81	-609.61	-1,751.45	3,476.01	3,404.49	71.52	48.603		
13,100.00	7,089.34	7,335.38	7,158.58	175.89	41.45	-106.21	-609.54	-1,751.49	3,575.85	3,504.31	71.55	49.980		
13,200.00	7,087.90	7,336.83	7,160.02	178.68	41.45	-106.61	-609.48	-1,751.53	3,675.70	3,604.12	71.58	51.353		
13,300.00	7,086.46	7,338.28	7,161.47	181.47	41.46	-107.02	-609.41	-1,751.57	3,775.56	3,703.95	71.61	52.723		
13,400.00	7,085.01	7,339.74	7,162.93	184.27	41.46	-107.42	-609.35	-1,751.62	3,875.42	3,803.77	71.65	54.090		
13,500.00	7,083.57	7,341.20	7,164.39	187.07	41.47	-107.83	-609.28	-1,751.66	3,975.29	3,903.60	71.69	55.453		
13,600.00	7,082.13	7,342.68	7,165.87	189.86	41.47	-108.23	-609.22	-1,751.70	4,075.16	4,003.43	71.73	56.813		
13,700.00	7,080.68	7,344.16	7,167.35	192.66	41.47	-108.64	-609.15	-1,751.74	4,175.04	4,103.27	71.77	58.169		
13,800.00	7,079.24	7,345.65	7,168.84	195.47	41.48	-109.04	-609.08	-1,751.79	4,274.93	4,203.11	71.82	59.521		
13,900.00	7,077.80	7,347.15	7,170.33	198.27	41.48	-109.45	-609.02	-1,751.83	4,374.82	4,302.95	71.87	60.870		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
14,000.00	7,076.36	7,348.66	7,171.84	201.07	41.49	-109.85	-608.95	-1,751.88	4,474.71	4,402.79	71.92	62.216		
14,100.00	7,074.91	7,350.17	7,173.35	203.88	41.49	-110.26	-608.88	-1,751.92	4,574.61	4,502.64	71.98	63.557		
14,200.00	7,073.47	7,351.70	7,174.87	206.68	41.50	-110.67	-608.82	-1,751.97	4,674.52	4,602.48	72.03	64.895		
14,300.00	7,072.03	7,353.23	7,176.40	209.49	41.50	-111.08	-608.75	-1,752.01	4,774.42	4,702.33	72.09	66.229		
14,400.00	7,070.58	7,354.77	7,177.94	212.30	41.51	-111.48	-608.68	-1,752.06	4,874.33	4,802.18	72.15	67.560		
14,500.00	7,069.14	7,356.31	7,179.48	215.11	41.51	-111.89	-608.61	-1,752.10	4,974.24	4,902.04	72.21	68.887		
14,600.00	7,067.70	7,357.87	7,181.04	217.92	41.52	-112.30	-608.54	-1,752.15	5,074.16	5,001.89	72.27	70.210		
14,700.00	7,066.25	7,359.43	7,182.60	220.73	41.52	-112.71	-608.47	-1,752.19	5,174.08	5,101.74	72.34	71.529		
14,800.00	7,064.81	7,361.01	7,184.17	223.54	41.53	-113.12	-608.40	-1,752.24	5,274.00	5,201.60	72.40	72.844		
14,900.00	7,063.37	7,362.59	7,185.75	226.35	41.53	-113.53	-608.33	-1,752.29	5,373.93	5,301.46	72.47	74.155		
15,000.00	7,061.92	7,364.18	7,187.34	229.16	41.53	-113.94	-608.26	-1,752.33	5,473.85	5,401.31	72.54	75.462		
15,100.00	7,060.48	7,365.78	7,188.93	231.98	41.54	-114.34	-608.19	-1,752.38	5,573.78	5,501.17	72.61	76.766		
15,200.00	7,059.04	7,367.39	7,190.54	234.79	41.54	-114.75	-608.12	-1,752.43	5,673.71	5,601.03	72.68	78.065		
15,300.00	7,057.60	7,369.00	7,192.15	237.61	41.55	-115.16	-608.04	-1,752.48	5,773.64	5,700.89	72.75	79.361		
15,400.00	7,056.15	7,370.63	7,193.78	240.42	41.55	-115.57	-607.97	-1,752.53	5,873.58	5,800.75	72.83	80.652		
15,500.00	7,054.71	7,372.27	7,195.41	243.24	41.56	-115.98	-607.90	-1,752.58	5,973.52	5,900.61	72.90	81.939		
15,600.00	7,053.27	7,373.91	7,197.05	246.05	41.56	-116.39	-607.82	-1,752.63	6,073.45	6,000.48	72.98	83.222		
15,687.75	7,052.00	7,375.36	7,198.50	248.53	41.57	-116.74	-607.76	-1,752.67	6,161.16	6,088.11	73.05	84.345		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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	-73.53	271.79	-919.46	959.50					
100.00	100.00	60.62	60.62	3.28	3.29	-73.53	271.83	-919.51	958.85	952.28	6.57	145.880		
200.00	200.00	155.55	155.54	3.34	3.34	-73.52	272.18	-919.91	959.36	952.68	6.68	143.597		
300.00	300.00	268.44	268.43	3.44	3.47	-73.56	271.51	-920.33	959.56	952.65	6.91	138.800		
400.00	399.98	463.38	462.69	3.60	3.84	172.16	258.39	-915.05	957.77	950.26	7.50	127.620		
500.00	499.84	587.91	585.32	3.79	4.18	171.32	239.69	-904.16	950.22	942.16	8.06	117.961		
600.00	599.45	684.38	680.29	4.03	4.52	170.69	225.15	-895.43	946.15	937.57	8.58	110.309		
654.48	653.58	736.51	731.64	4.18	4.72	170.37	217.52	-890.77	945.56	936.66	8.89	106.318		
700.00	698.70	780.33	774.83	4.30	4.89	170.11	211.17	-886.94	945.97	936.80	9.17	103.145		
800.00	797.47	882.46	875.42	4.61	5.32	169.50	195.94	-878.03	949.36	939.50	9.86	96.275		
900.00	895.62	1,016.84	1,006.81	4.96	5.97	168.49	171.15	-864.94	954.51	943.72	10.79	88.429		
1,000.00	993.06	1,154.89	1,140.05	5.34	6.75	167.22	139.70	-847.23	959.18	947.33	11.85	80.957		
1,100.00	1,089.64	1,266.61	1,246.67	5.75	7.47	166.07	110.78	-830.62	964.84	951.99	12.85	75.084		
1,110.48	1,099.71	1,278.13	1,257.63	5.80	7.55	165.95	107.69	-828.85	965.57	952.61	12.96	74.503		
1,200.00	1,185.67	1,373.71	1,348.34	6.20	8.20	164.95	81.63	-813.72	971.64	957.75	13.89	69.947		
1,300.00	1,281.70	1,474.27	1,443.74	6.67	8.92	163.94	54.44	-797.27	978.23	963.30	14.93	65.504		
1,400.00	1,377.72	1,578.27	1,542.56	7.16	9.67	162.96	27.11	-779.86	984.87	968.84	16.03	61.441		
1,500.00	1,473.75	1,671.81	1,631.37	7.66	10.35	162.08	2.41	-763.96	991.51	974.42	17.09	58.013		
1,600.00	1,569.77	1,777.40	1,731.78	8.17	11.14	161.13	-24.99	-746.14	998.58	980.32	18.25	54.713		
1,700.00	1,665.80	1,868.70	1,818.78	8.69	11.81	160.37	-47.81	-730.51	1,005.75	986.42	19.33	52.028		
1,800.00	1,761.82	1,964.84	1,910.75	9.22	12.51	159.65	-70.65	-714.31	1,013.51	993.07	20.44	49.578		
1,900.00	1,857.85	2,048.30	1,990.48	9.76	13.12	158.97	-91.50	-701.12	1,022.40	1,000.89	21.50	47.552		
2,000.00	1,953.87	2,128.27	2,066.86	10.30	13.71	158.28	-112.36	-689.86	1,033.11	1,010.56	22.55	45.804		
2,100.00	2,049.90	2,229.71	2,163.92	10.84	14.46	157.43	-138.60	-676.42	1,044.89	1,021.12	23.77	43.954		
2,200.00	2,145.92	2,343.99	2,273.24	11.39	15.30	156.54	-167.41	-659.79	1,055.57	1,030.48	25.09	42.074		
2,300.00	2,241.94	2,440.59	2,366.65	11.95	16.02	155.81	-191.53	-645.30	1,066.04	1,039.75	26.29	40.556		
2,400.00	2,337.97	2,538.10	2,458.90	12.50	16.75	155.08	-216.15	-630.87	1,076.89	1,049.38	27.50	39.158		
2,500.00	2,433.99	2,629.95	2,546.74	13.06	17.44	154.40	-239.36	-617.42	1,088.07	1,059.39	28.69	37.926		
2,600.00	2,530.02	2,731.04	2,642.79	13.63	18.23	153.53	-267.47	-603.16	1,099.98	1,069.99	30.00	36.671		
2,700.00	2,626.04	2,841.06	2,747.02	14.19	19.10	152.57	-298.57	-586.65	1,111.25	1,079.85	31.40	35.391		
2,800.00	2,722.07	2,924.32	2,826.51	14.76	19.73	151.97	-320.07	-574.36	1,122.90	1,090.36	32.55	34.500		
2,900.00	2,818.09	3,010.46	2,908.84	15.32	20.38	151.36	-342.50	-562.61	1,135.85	1,102.13	33.72	33.685		
3,000.00	2,914.12	3,098.00	3,000.00	15.89	21.07	150.75	-365.02	-550.62	1,148.87	1,114.87	34.94	32.946		
3,100.00	3,010.14	3,186.00	3,088.00	16.46	21.76	150.14	-387.54	-538.63	1,161.90	1,127.90	36.16	32.207		
3,162.57	3,070.22	3,248.00	3,148.00	16.82	22.12	149.63	-400.00	-526.64	1,175.00	1,141.00	37.38	31.468		
3,200.00	3,106.17	3,286.00	3,186.00	17.03	22.47	149.25	-412.50	-514.64	1,188.12	1,154.12	38.60	30.729		
3,298.02	3,200.29	3,374.00	3,274.00	17.59	23.12	148.66	-435.00	-502.64	1,201.25	1,167.25	39.82	29.990		
3,300.00	3,202.19	3,376.00	3,276.00	17.60	23.13	148.66	-435.00	-502.64	1,201.25	1,167.25	39.82	29.990		
3,400.00	3,298.70	3,469.75	3,369.75	18.16	23.69	148.09	-457.50	-490.64	1,214.38	1,180.38	41.04	29.251		
3,500.00	3,396.07	3,563.41	3,463.41	18.68	24.25	147.52	-480.00	-478.64	1,227.50	1,193.50	42.26	28.512		
3,600.00	3,494.17	3,657.06	3,554.07	19.18	24.80	146.95	-502.50	-466.64	1,240.62	1,206.62	43.48	27.773		
3,700.00	3,592.88	3,750.72	3,650.72	19.64	25.36	146.38	-525.00	-454.64	1,253.75	1,219.75	44.70	27.034		
3,800.00	3,692.10	3,844.38	3,744.38	20.08	25.91	145.81	-547.50	-442.64	1,266.87	1,232.87	45.92	26.295		
3,900.00	3,791.69	3,938.04	3,841.41	20.49	26.46	145.24	-570.00	-430.64	1,279.99	1,245.99	47.14	25.556		
4,000.00	3,891.53	4,031.70	3,940.14	20.88	27.01	144.67	-592.50	-418.64	1,293.12	1,259.12	48.36	24.817		
4,108.50	4,000.00	4,125.36	4,033.86	21.27	27.56	144.10	-615.00	-406.64	1,306.25	1,272.25	49.58	24.078		
4,200.00	4,091.50	4,219.02	4,120.52	21.58	28.11	143.53	-637.50	-394.64	1,319.37	1,285.37	50.80	23.339		
4,300.00	4,191.50	4,312.68	4,214.02	21.92	28.66	142.96	-660.00	-382.64	1,332.50	1,298.50	52.02	22.600		
4,400.00	4,291.50	4,406.34	4,307.36	22.27	29.21	142.39	-682.50	-370.64	1,345.62	1,311.62	53.24	21.861		
4,500.00	4,391.50	4,500.00	4,401.00	22.62	29.76	141.82	-705.00	-358.64	1,358.75	1,324.75	54.46	21.122		
4,591.39	4,482.89	4,593.36	4,494.47	22.94	30.31	141.25	-727.50	-346.64	1,371.87	1,337.87	55.68	20.383		
4,600.00	4,491.50	4,731.32	4,453.79	22.97	30.68	140.68	-750.00	-334.64	1,385.00	1,351.00	56.90	19.644		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
4,700.00	4,591.50	4,823.66	4,546.13	23.33	30.91	-107.61	-691.29	-350.30	1,173.30	1,120.57	52.73	22.251		
4,800.00	4,691.50	4,919.24	4,641.70	23.69	31.15	-107.57	-690.74	-351.42	1,174.25	1,120.93	53.32	22.024		
4,900.00	4,791.50	5,018.66	4,741.10	24.05	31.40	-107.50	-689.71	-352.93	1,175.39	1,121.46	53.93	21.796		
5,000.00	4,891.50	5,114.45	4,836.87	24.42	31.63	-107.41	-688.34	-354.59	1,176.61	1,122.10	54.51	21.584		
5,100.00	4,991.50	5,210.66	4,933.03	24.78	31.86	-107.28	-686.39	-356.96	1,178.36	1,123.26	55.10	21.387		
5,200.00	5,091.50	5,310.21	5,032.53	25.15	32.11	-107.17	-684.74	-359.39	1,180.19	1,124.48	55.71	21.183		
5,300.00	5,191.50	5,408.11	5,130.41	25.53	32.38	-107.13	-684.56	-361.43	1,182.13	1,125.78	56.35	20.978		
5,400.00	5,291.50	5,515.38	5,237.66	25.90	32.67	-107.08	-684.01	-363.60	1,183.92	1,126.87	57.05	20.752		
5,500.00	5,391.50	5,629.56	5,351.80	26.28	32.97	-106.95	-681.84	-365.26	1,184.76	1,126.98	57.78	20.506		
5,600.00	5,491.50	5,732.71	5,454.91	26.65	33.24	-106.82	-679.12	-365.91	1,184.59	1,126.15	58.44	20.272		
5,603.96	5,495.46	5,736.26	5,458.46	26.67	33.25	-106.81	-679.03	-365.94	1,184.59	1,126.13	58.46	20.264		
5,700.00	5,591.50	5,823.08	5,545.24	27.03	33.49	-106.70	-676.84	-366.96	1,184.97	1,125.95	59.02	20.077		
5,800.00	5,691.50	5,926.52	5,648.67	27.41	33.79	-106.64	-675.85	-368.23	1,185.88	1,126.16	59.72	19.856		
5,900.00	5,791.50	6,045.38	5,767.51	27.80	34.20	-106.73	-677.65	-367.34	1,185.60	1,125.01	60.59	19.567		
6,000.00	5,891.50	6,138.94	5,861.03	28.18	34.54	-106.85	-679.66	-365.88	1,184.73	1,123.41	61.32	19.322		
6,100.00	5,991.50	6,234.62	5,956.71	28.57	34.86	-106.88	-680.26	-365.35	1,184.38	1,122.36	62.02	19.095		
6,200.00	6,091.50	6,333.44	6,055.53	28.96	35.19	-106.88	-680.26	-365.10	1,184.14	1,121.40	62.74	18.874		
6,208.25	6,099.75	6,340.66	6,062.75	28.99	35.21	-106.88	-680.25	-365.10	1,184.14	1,121.35	62.79	18.858		
6,300.00	6,191.50	6,422.49	6,144.58	29.35	35.46	-106.85	-679.77	-365.65	1,184.57	1,121.19	63.37	18.692		
6,400.00	6,291.50	6,515.88	6,237.93	29.74	35.73	-106.74	-677.91	-367.28	1,185.66	1,121.66	64.00	18.525		
6,500.00	6,391.50	6,607.87	6,329.84	30.13	35.99	-106.57	-674.99	-369.84	1,187.42	1,122.81	64.61	18.378		
6,600.00	6,491.50	6,719.28	6,441.10	30.52	36.29	-106.32	-670.55	-373.54	1,189.53	1,124.19	65.35	18.204		
6,639.95	6,531.45	6,779.25	6,501.01	30.68	36.46	-106.19	-668.04	-374.45	1,189.65	1,123.92	65.73	18.099		
6,650.00	6,541.50	6,783.34	6,505.10	30.72	36.47	-14.34	-667.94	-374.53	1,189.59	1,123.83	65.77	18.088		
6,700.00	6,591.41	6,833.62	6,555.35	30.90	36.62	-14.36	-666.49	-374.91	1,186.90	1,120.80	66.10	17.957		
6,750.00	6,640.95	6,877.06	6,598.78	31.09	36.76	-14.54	-665.80	-375.15	1,180.49	1,114.09	66.39	17.780		
6,800.00	6,689.82	6,916.58	6,638.31	31.29	36.88	-14.85	-665.60	-375.55	1,170.70	1,104.04	66.67	17.561		
6,850.00	6,737.71	6,956.10	6,677.82	31.49	37.01	-15.32	-665.77	-376.17	1,157.62	1,090.68	66.94	17.295		
6,900.00	6,784.33	6,995.85	6,717.56	31.70	37.14	-15.94	-665.91	-377.08	1,141.24	1,074.04	67.20	16.982		
6,950.00	6,829.39	7,035.08	6,756.77	31.92	37.26	-16.72	-665.90	-378.28	1,121.66	1,054.19	67.47	16.625		
7,000.00	6,872.61	7,075.82	6,797.48	32.15	37.38	-17.71	-665.64	-379.77	1,098.88	1,031.14	67.74	16.222		
7,050.00	6,913.73	7,114.97	6,836.59	32.41	37.50	-18.94	-665.10	-381.42	1,073.01	1,005.00	68.00	15.779		
7,100.00	6,952.49	7,148.64	6,870.21	32.68	37.60	-20.40	-664.33	-383.09	1,044.25	976.02	68.22	15.306		
7,150.00	6,988.66	7,180.34	6,901.84	32.98	37.69	-22.17	-663.21	-385.00	1,012.85	944.42	68.43	14.801		
7,200.00	7,022.01	7,211.55	6,932.94	33.31	37.77	-24.37	-661.75	-387.20	978.99	910.34	68.65	14.260		
7,250.00	7,052.33	7,252.96	6,974.19	33.67	37.89	-27.47	-659.62	-390.07	942.58	873.60	68.98	13.664		
7,300.00	7,079.44	7,289.68	7,010.79	34.07	37.99	-31.46	-657.72	-392.28	903.73	834.43	69.30	13.041		
7,350.00	7,103.17	7,316.86	7,037.89	34.51	38.06	-36.33	-656.30	-393.78	862.87	793.30	69.57	12.403		
7,400.00	7,123.38	7,339.26	7,060.23	34.98	38.12	-42.39	-655.08	-395.03	820.47	750.63	69.84	11.747		
7,450.00	7,139.94	7,358.23	7,079.13	35.50	38.17	-49.90	-654.00	-396.12	776.85	706.72	70.14	11.076		
7,500.00	7,152.75	7,373.62	7,094.47	36.05	38.22	-58.89	-653.10	-397.01	732.38	661.92	70.45	10.395		
7,550.00	7,161.73	7,385.32	7,106.13	36.64	38.25	-68.98	-652.40	-397.70	687.43	616.62	70.81	9.708		
7,600.00	7,166.82	7,393.24	7,114.02	37.26	38.27	-79.38	-651.91	-398.17	642.41	571.20	71.21	9.021		
7,649.14	7,168.00	7,397.26	7,118.02	37.89	38.28	-88.90	-651.67	-398.41	598.54	526.88	71.66	8.352		
7,700.00	7,167.27	7,399.47	7,120.23	38.57	38.29	-89.36	-651.53	-398.54	553.97	481.76	72.21	7.672		
7,800.00	7,165.83	7,403.86	7,124.61	40.04	38.30	-90.26	-651.26	-398.81	470.06	396.44	73.61	6.385		
7,900.00	7,164.38	7,408.30	7,129.02	41.66	38.31	-91.18	-650.98	-399.07	393.68	318.15	75.53	5.212		
8,000.00	7,162.94	7,412.78	7,133.48	43.40	38.32	-92.10	-650.69	-399.34	330.12	252.32	77.81	4.243		
8,100.00	7,161.50	7,417.30	7,137.99	45.26	38.34	-93.04	-650.41	-399.62	287.98	208.54	79.44	3.625		
8,180.49	7,160.34	7,420.98	7,141.65	46.83	38.35	-93.80	-650.17	-399.84	276.53	197.33	79.20	3.492 CC, ES, SF		
8,200.00	7,160.05	7,408.00	7,128.73	47.21	38.31	-91.11	-651.00	-399.06	277.55	198.28	79.27	3.501		
8,300.00	7,158.61	7,408.00	7,128.73	49.26	38.31	-91.11	-651.00	-399.06	301.75	224.73	77.01	3.918		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
8,400.00	7,157.17	7,408.00	7,128.73	51.38	38.31	-91.11	-651.00	-399.06	353.65	279.08	74.57	4.743		
8,500.00	7,155.73	7,408.00	7,128.73	53.57	38.31	-91.11	-651.00	-399.06	423.18	350.46	72.72	5.819		
8,600.00	7,154.28	7,408.00	7,128.73	55.82	38.31	-91.11	-651.00	-399.06	503.09	431.63	71.46	7.040		
8,700.00	7,152.84	7,408.00	7,128.73	58.12	38.31	-91.11	-651.00	-399.06	589.16	518.55	70.62	8.343		
8,800.00	7,151.40	7,408.00	7,128.73	60.47	38.31	-91.11	-651.00	-399.06	679.07	609.02	70.05	9.694		
8,900.00	7,149.95	7,408.00	7,128.73	62.86	38.31	-91.11	-651.00	-399.06	771.46	701.80	69.66	11.075		
9,000.00	7,148.51	7,408.00	7,128.73	65.28	38.31	-91.11	-651.00	-399.06	865.54	796.16	69.38	12.475		
9,100.00	7,147.07	7,408.00	7,128.73	67.74	38.31	-91.11	-651.00	-399.06	960.82	891.64	69.18	13.888		
9,200.00	7,145.62	7,408.00	7,128.73	70.23	38.31	-91.11	-651.00	-399.06	1,056.97	987.93	69.04	15.309		
9,300.00	7,144.18	7,408.00	7,128.73	72.74	38.31	-91.11	-651.00	-399.06	1,153.78	1,084.84	68.94	16.736		
9,400.00	7,142.74	7,408.00	7,128.73	75.28	38.31	-91.11	-651.00	-399.06	1,251.09	1,182.22	68.87	18.167		
9,500.00	7,141.29	7,408.00	7,128.73	77.84	38.31	-91.11	-651.00	-399.06	1,348.79	1,279.98	68.81	19.601		
9,600.00	7,139.85	7,408.00	7,128.73	80.42	38.31	-91.11	-651.00	-399.06	1,446.81	1,378.03	68.78	21.036		
9,700.00	7,138.41	7,408.00	7,128.73	83.01	38.31	-91.11	-651.00	-399.06	1,545.08	1,476.33	68.75	22.473		
9,800.00	7,136.97	7,408.00	7,128.73	85.62	38.31	-91.11	-651.00	-399.06	1,643.56	1,574.82	68.74	23.910		
9,900.00	7,135.52	7,408.00	7,128.73	88.25	38.31	-91.11	-651.00	-399.06	1,742.21	1,673.48	68.73	25.347		
10,000.00	7,134.08	7,408.00	7,128.73	90.89	38.31	-91.11	-651.00	-399.06	1,841.01	1,772.28	68.73	26.784		
10,100.00	7,132.64	7,408.00	7,128.73	93.54	38.31	-91.11	-651.00	-399.06	1,939.93	1,871.19	68.74	28.221		
10,200.00	7,131.19	7,408.00	7,128.73	96.20	38.31	-91.11	-651.00	-399.06	2,038.96	1,970.21	68.75	29.656		
10,300.00	7,129.75	7,408.00	7,128.73	98.87	38.31	-91.11	-651.00	-399.06	2,138.08	2,069.31	68.77	31.091		
10,400.00	7,128.31	7,408.00	7,128.73	101.55	38.31	-91.11	-651.00	-399.06	2,237.27	2,168.49	68.79	32.525		
10,500.00	7,126.86	7,408.00	7,128.73	104.24	38.31	-91.11	-651.00	-399.06	2,336.54	2,267.73	68.81	33.957		
10,600.00	7,125.42	7,408.00	7,128.73	106.94	38.31	-91.11	-651.00	-399.06	2,435.86	2,367.03	68.83	35.388		
10,700.00	7,123.98	7,408.00	7,128.73	109.64	38.31	-91.11	-651.00	-399.06	2,535.24	2,466.38	68.86	36.817		
10,800.00	7,122.53	7,408.00	7,128.73	112.36	38.31	-91.11	-651.00	-399.06	2,634.66	2,565.77	68.89	38.245		
10,900.00	7,121.09	7,408.00	7,128.73	115.08	38.31	-91.11	-651.00	-399.06	2,734.13	2,665.21	68.92	39.670		
11,000.00	7,119.65	7,408.00	7,128.73	117.80	38.31	-91.11	-651.00	-399.06	2,833.63	2,764.68	68.95	41.094		
11,100.00	7,118.20	7,408.00	7,128.73	120.53	38.31	-91.11	-651.00	-399.06	2,933.17	2,864.18	68.99	42.516		
11,200.00	7,116.76	7,408.00	7,128.73	123.26	38.31	-91.11	-651.00	-399.06	3,032.74	2,963.71	69.03	43.936		
11,300.00	7,115.32	7,408.00	7,128.73	126.00	38.31	-91.11	-651.00	-399.06	3,132.34	3,063.27	69.07	45.353		
11,400.00	7,113.88	7,408.00	7,128.73	128.75	38.31	-91.11	-651.00	-399.06	3,231.96	3,162.85	69.11	46.768		
11,500.00	7,112.43	7,408.00	7,128.73	131.50	38.31	-91.11	-651.00	-399.06	3,331.60	3,262.45	69.15	48.181		
11,600.00	7,110.99	7,408.00	7,128.73	134.25	38.31	-91.11	-651.00	-399.06	3,431.26	3,362.07	69.19	49.592		
11,700.00	7,109.55	7,408.00	7,128.73	137.01	38.31	-91.11	-651.00	-399.06	3,530.95	3,461.71	69.23	51.000		
11,800.00	7,108.10	7,408.00	7,128.73	139.77	38.31	-91.11	-651.00	-399.06	3,630.65	3,561.37	69.28	52.405		
11,900.00	7,106.66	7,408.00	7,128.73	142.53	38.31	-91.11	-651.00	-399.06	3,730.37	3,661.04	69.33	53.808		
12,000.00	7,105.22	7,408.00	7,128.73	145.30	38.31	-91.11	-651.00	-399.06	3,830.10	3,760.72	69.38	55.208		
12,100.00	7,103.77	7,408.00	7,128.73	148.06	38.31	-91.11	-651.00	-399.06	3,929.84	3,860.42	69.43	56.605		
12,200.00	7,102.33	7,408.00	7,128.73	150.84	38.31	-91.11	-651.00	-399.06	4,029.60	3,960.12	69.48	58.000		
12,300.00	7,100.89	7,408.00	7,128.73	153.61	38.31	-91.11	-651.00	-399.06	4,129.37	4,059.84	69.53	59.392		
12,400.00	7,099.44	7,408.00	7,128.73	156.39	38.31	-91.11	-651.00	-399.06	4,229.15	4,159.57	69.58	60.781		
12,500.00	7,098.00	7,408.00	7,128.73	159.17	38.31	-91.11	-651.00	-399.06	4,328.94	4,259.31	69.63	62.166		
12,600.00	7,096.56	7,408.00	7,128.73	161.95	38.31	-91.11	-651.00	-399.06	4,428.74	4,359.05	69.69	63.549		
12,700.00	7,095.12	7,408.00	7,128.73	164.73	38.31	-91.11	-651.00	-399.06	4,528.55	4,458.80	69.75	64.929		
12,800.00	7,093.67	7,408.00	7,128.73	167.52	38.31	-91.11	-651.00	-399.06	4,628.37	4,558.56	69.80	66.305		
12,900.00	7,092.23	7,408.00	7,128.73	170.31	38.31	-91.11	-651.00	-399.06	4,728.19	4,658.33	69.86	67.679		
13,000.00	7,090.79	7,408.00	7,128.73	173.09	38.31	-91.11	-651.00	-399.06	4,828.02	4,758.10	69.92	69.049		
13,100.00	7,089.34	7,408.00	7,128.73	175.89	38.31	-91.11	-651.00	-399.06	4,927.86	4,857.88	69.98	70.416		
13,200.00	7,087.90	7,408.00	7,128.73	178.68	38.31	-91.11	-651.00	-399.06	5,027.71	4,957.66	70.04	71.780		
13,300.00	7,086.46	7,408.00	7,128.73	181.47	38.31	-91.11	-651.00	-399.06	5,127.56	5,057.45	70.11	73.140		
13,400.00	7,085.01	7,408.00	7,128.73	184.27	38.31	-91.11	-651.00	-399.06	5,227.42	5,157.25	70.17	74.497		
13,500.00	7,083.57	7,408.00	7,128.73	187.07	38.31	-91.11	-651.00	-399.06	5,327.28	5,257.04	70.23	75.850		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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		
13,600.00	7,082.13	7,408.00	7,128.73	189.86	38.31	-91.11	-651.00	-399.06	5,427.14	5,356.84	70.30	77.200		
13,700.00	7,080.68	7,408.00	7,128.73	192.66	38.31	-91.11	-651.00	-399.06	5,527.02	5,456.65	70.37	78.546		
13,800.00	7,079.24	7,408.00	7,128.73	195.47	38.31	-91.11	-651.00	-399.06	5,626.89	5,556.46	70.43	79.889		
13,900.00	7,077.80	7,408.00	7,128.73	198.27	38.31	-91.11	-651.00	-399.06	5,726.77	5,656.27	70.50	81.229		
14,000.00	7,076.36	7,408.00	7,128.73	201.07	38.31	-91.11	-651.00	-399.06	5,826.66	5,756.09	70.57	82.564		
14,100.00	7,074.91	7,408.00	7,128.73	203.88	38.31	-91.11	-651.00	-399.06	5,926.55	5,855.91	70.64	83.896		
14,200.00	7,073.47	7,408.00	7,128.73	206.68	38.31	-91.11	-651.00	-399.06	6,026.44	5,955.73	70.71	85.225		
14,300.00	7,072.03	7,408.00	7,128.73	209.49	38.31	-91.11	-651.00	-399.06	6,126.34	6,055.55	70.78	86.549		
14,400.00	7,070.58	7,408.00	7,128.73	212.30	38.31	-91.11	-651.00	-399.06	6,226.24	6,155.38	70.86	87.870		
14,500.00	7,069.14	7,408.00	7,128.73	215.11	38.31	-91.11	-651.00	-399.06	6,326.14	6,255.21	70.93	89.187		
14,600.00	7,067.70	7,408.00	7,128.73	217.92	38.31	-91.11	-651.00	-399.06	6,426.05	6,355.04	71.01	90.500		
14,700.00	7,066.25	7,408.00	7,128.73	220.73	38.31	-91.11	-651.00	-399.06	6,525.95	6,454.87	71.08	91.809		
14,800.00	7,064.81	7,408.00	7,128.73	223.54	38.31	-91.11	-651.00	-399.06	6,625.87	6,554.71	71.16	93.115		
14,900.00	7,063.37	7,408.00	7,128.73	226.35	38.31	-91.11	-651.00	-399.06	6,725.78	6,654.54	71.24	94.416		
15,000.00	7,061.92	7,408.00	7,128.73	229.16	38.31	-91.11	-651.00	-399.06	6,825.70	6,754.38	71.31	95.714		
15,100.00	7,060.48	7,408.00	7,128.73	231.98	38.31	-91.11	-651.00	-399.06	6,925.61	6,854.22	71.39	97.008		
15,200.00	7,059.04	7,408.00	7,128.73	234.79	38.31	-91.11	-651.00	-399.06	7,025.54	6,954.06	71.47	98.297		
15,300.00	7,057.60	7,408.00	7,128.73	237.61	38.31	-91.11	-651.00	-399.06	7,125.46	7,053.91	71.55	99.583		
15,400.00	7,056.15	7,408.00	7,128.73	240.42	38.31	-91.11	-651.00	-399.06	7,225.39	7,153.75	71.63	100.865		
15,500.00	7,054.71	7,408.00	7,128.73	243.24	38.31	-91.11	-651.00	-399.06	7,325.31	7,253.60	71.72	102.142		
15,600.00	7,053.27	7,408.00	7,128.73	246.05	38.31	-91.11	-651.00	-399.06	7,425.24	7,353.44	71.80	103.416		
15,687.75	7,052.00	7,408.00	7,128.73	248.53	38.31	-91.11	-651.00	-399.06	7,512.94	7,441.06	71.87	104.530		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 13C-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 13C-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 Depths are relative to GL 4770+KB 20 @ 4790.00ft

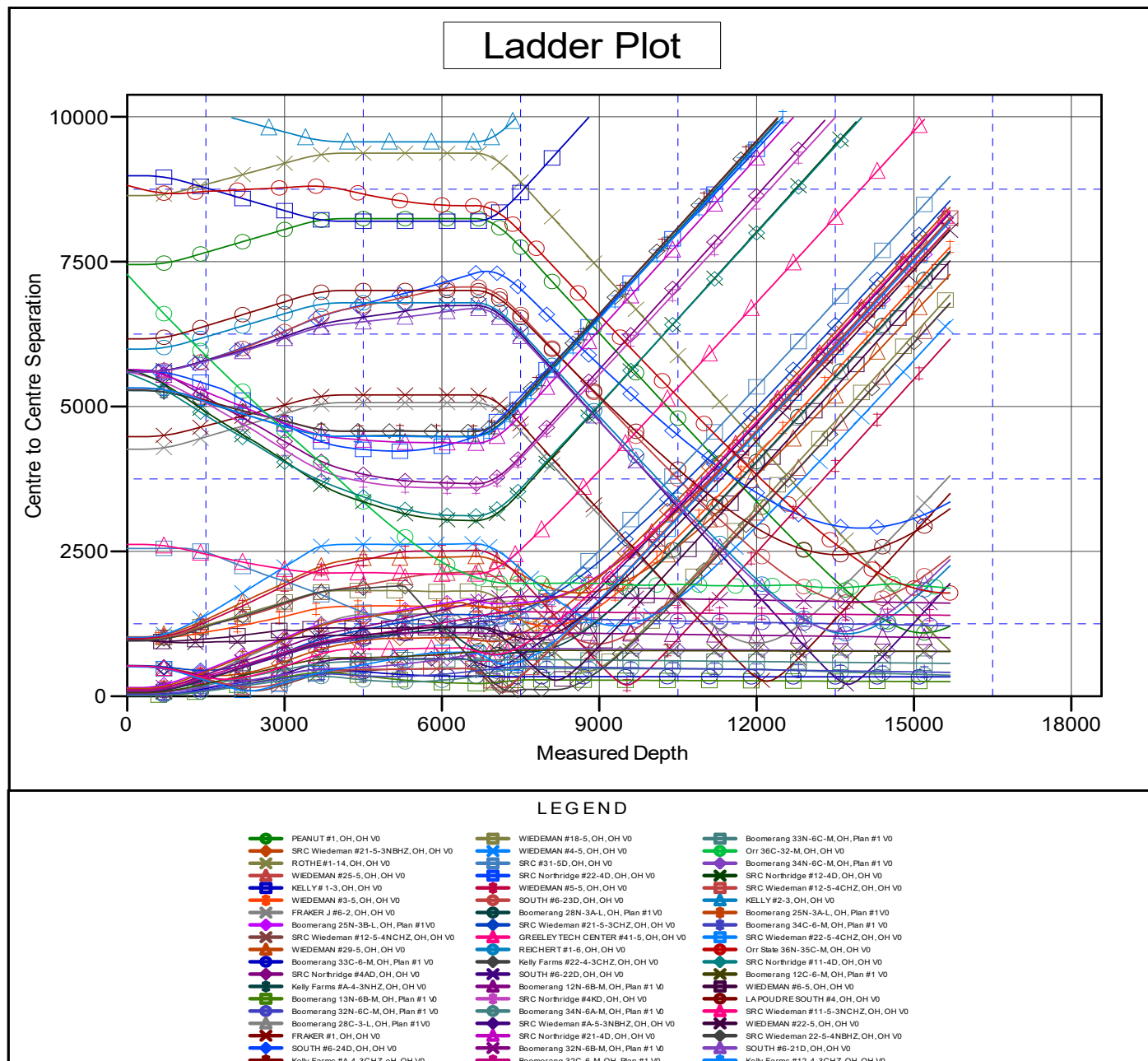
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 13C-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 13C-6-M
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 13C-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

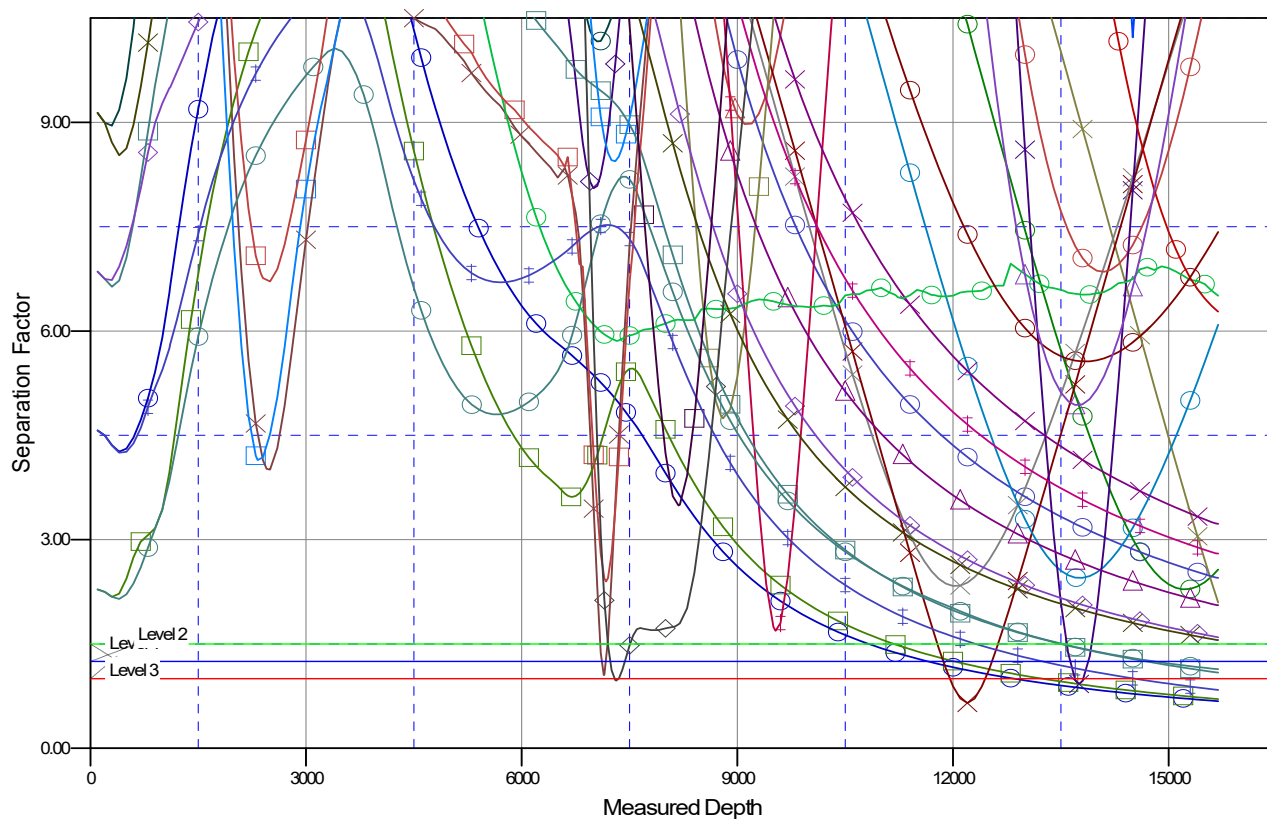
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 13C-6-M

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

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