



Synergy Resources Corporation

SEC 5-T5N-R66W

Boomerang 21-5

Boomerang 12C-6-M

OH

Plan #1

Anticollision Report

05 April, 2017

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	4/5/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	15,703.27	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 12N-6B-M - OH - Plan #1	200.00	200.00	15.01	8.34	2.249	CC
Boomerang 12N-6B-M - OH - Plan #1	15,701.75	15,618.10	286.91	-113.76	0.716	Level 1, ES, SF
Boomerang 13C-6-M - OH - Plan #1	300.00	300.00	60.02	53.13	8.712	CC, ES
Boomerang 13C-6-M - OH - Plan #1	15,703.90	15,670.65	774.35	277.17	1.557	SF
Boomerang 13N-6B-M - OH - Plan #1	200.00	200.00	45.02	38.35	6.746	CC
Boomerang 13N-6B-M - OH - Plan #1	300.00	299.87	45.16	38.27	6.557	ES
Boomerang 13N-6B-M - OH - Plan #1	15,703.90	15,442.00	628.90	152.55	1.320	Level 3, SF
Boomerang 25N-3A-L - OH - Plan #1	300.00	300.00	75.18	68.29	10.912	CC, ES
Boomerang 25N-3A-L - OH - Plan #1	500.00	494.67	78.72	71.09	10.322	SF
Boomerang 25N-3B-L - OH - Plan #1	200.00	200.00	90.07	83.39	13.495	CC, ES
Boomerang 25N-3B-L - OH - Plan #1	7,117.06	7,425.22	812.04	743.47	11.842	SF
Boomerang 28C-3-L - OH - Plan #1	200.00	200.00	135.06	128.38	20.236	CC, ES
Boomerang 28C-3-L - OH - Plan #1	400.00	390.72	142.51	135.30	19.762	SF
Boomerang 28N-3A-L - OH - Plan #1	200.00	200.00	120.05	113.38	17.988	CC, ES
Boomerang 28N-3A-L - OH - Plan #1	300.00	296.02	121.70	114.81	17.664	SF
Boomerang 32C-6-M - OH - Plan #1	200.00	200.00	45.04	38.36	6.748	CC, ES
Boomerang 32C-6-M - OH - Plan #1	15,688.71	15,850.98	624.61	124.31	1.248	Level 2, SF
Boomerang 32N-6B-M - OH - Plan #1	300.00	300.00	60.04	53.15	8.714	CC, ES
Boomerang 32N-6B-M - OH - Plan #1	15,703.32	15,738.53	842.51	349.78	1.710	SF
Boomerang 32N-6C-M - OH - Plan #1	300.00	300.00	30.04	23.15	4.360	CC
Boomerang 32N-6C-M - OH - Plan #1	15,696.02	15,714.68	452.99	-34.88	0.929	Level 1, ES, SF
Boomerang 33C-6-M - OH - Plan #1	300.00	300.00	29.99	23.10	4.353	CC
Boomerang 33C-6-M - OH - Plan #1	15,703.90	15,638.90	438.16	-58.28	0.883	Level 1, ES, SF
Boomerang 33N-6C-M - OH - Plan #1	377.02	377.20	14.05	6.93	1.973	CC
Boomerang 33N-6C-M - OH - Plan #1	15,703.90	15,582.22	249.08	-226.18	0.524	Level 1, ES, SF
Boomerang 34C-6-M - OH - Plan #1	300.00	300.00	90.02	83.13	13.066	CC, ES
Boomerang 34C-6-M - OH - Plan #1	15,703.90	15,635.57	1,187.99	694.41	2.407	SF
Boomerang 34N-6A-M - OH - Plan #1	300.00	300.00	75.02	68.13	10.889	CC, ES
Boomerang 34N-6A-M - OH - Plan #1	15,703.90	15,335.52	1,027.86	551.04	2.156	SF
Boomerang 34N-6C-M - OH - Plan #1	200.00	200.00	105.06	98.38	15.741	CC, ES
Boomerang 34N-6C-M - OH - Plan #1	15,703.90	15,495.88	1,544.68	1,054.65	3.152	SF
FRAKER #1 - OH - OH	12,233.54	7,105.86	1,042.01	643.71	2.616	CC, ES
FRAKER #1 - OH - OH	12,300.00	7,106.57	1,044.13	644.26	2.611	SF
FRAKER J #6-2 - OH - OH	12,022.70	7,052.40	128.02	-262.55	0.328	Level 1, CC, ES, SF
GREELEY TECH CENTER #41-5 - OH - OH	6,585.80	6,529.79	1,660.77	1,603.36	28.928	CC, ES
GREELEY TECH CENTER #41-5 - OH - OH	6,750.00	6,691.55	1,681.24	1,622.58	28.657	SF
KELLY # 1-3 - OH - OH	6,561.98	6,464.27	8,185.04	7,931.54	32.288	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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	6,600.00	6,502.22	8,186.15	7,931.18	32.106	ES
KELLY # 1-3 - OH - OH	7,100.00	6,941.79	8,396.09	8,124.56	30.922	SF
KELLY #2-3 - OH - OH	6,568.17	6,454.45	9,431.31	9,178.22	37.265	CC
KELLY #2-3 - OH - OH	6,600.00	6,486.22	9,432.10	9,177.78	37.087	ES
KELLY #2-3 - OH - OH	7,050.00	6,909.12	9,605.14	9,334.94	35.548	SF
Kelly Farms #12-4-3CHZ - OH - OH	6,542.65	6,342.00	4,499.52	4,442.92	79.498	CC, ES
Kelly Farms #12-4-3CHZ - OH - OH	6,800.00	6,431.00	4,554.99	4,497.12	78.711	SF
Kelly Farms #22-4-3CHZ - OH - OH	6,548.88	6,405.59	4,627.74	4,570.33	80.609	CC
Kelly Farms #22-4-3CHZ - OH - OH	6,550.00	6,406.06	4,627.74	4,570.33	80.599	ES
Kelly Farms #22-4-3CHZ - OH - OH	6,800.00	6,474.43	4,678.84	4,620.22	79.816	SF
Kelly Farms #A-4-3CHZ - oH - OH	6,552.43	6,419.92	4,550.02	4,492.44	79.019	CC, ES
Kelly Farms #A-4-3CHZ - oH - OH	6,750.00	6,485.15	4,582.38	4,523.78	78.198	SF
Kelly Farms #A-4-3NHZ - OH - OH	6,532.62	6,260.00	4,434.22	4,376.10	76.294	CC, ES
Kelly Farms #A-4-3NHZ - OH - OH	6,650.00	6,260.00	4,446.42	4,387.85	75.912	SF
LA POUDRE SOUTH #4 - OH - OH	13,596.76	7,102.55	1,664.53	1,228.35	3.816	CC
LA POUDRE SOUTH #4 - OH - OH	13,600.00	7,102.51	1,664.54	1,228.27	3.815	ES
LA POUDRE SOUTH #4 - OH - OH	13,700.00	7,101.44	1,667.73	1,229.05	3.802	SF
Orr 36C-32-M - OH - OH	7,350.00	16,175.00	1,154.10	821.38	3.469	SF
Orr 36C-32-M - OH - OH	15,703.90	7,747.44	1,095.43	807.97	3.811	CC, ES
Orr State 36N-35C-M - OH - OH	15,703.90	7,448.41	1,012.64	729.52	3.577	CC, ES, SF
PEANUT #1 - OH - OH	15,207.98	7,039.30	319.06	-160.13	0.666	Level 1, CC, ES, SF
REICHERT #1-6 - OH - OH	13,742.09	7,102.99	299.01	-141.26	0.679	Level 1, CC, ES, SF
ROTHE #1-14 - OH - OH	15,703.90	7,079.99	1,360.14	900.37	2.958	CC, ES, SF
SOUTH #6-21D - OH - OH	13,643.39	7,350.00	342.35	118.24	1.528	CC, ES, SF
SOUTH #6-22D - OH - OH	13,788.54	7,147.55	988.86	760.95	4.339	CC
SOUTH #6-22D - OH - OH	13,800.00	7,147.66	988.93	760.75	4.334	ES, SF
SOUTH #6-23D - OH - OH	13,928.12	7,167.76	2,394.01	2,160.19	10.239	CC
SOUTH #6-23D - OH - OH	14,000.00	7,167.88	2,395.09	2,159.09	10.149	ES
SOUTH #6-23D - OH - OH	14,300.00	7,168.39	2,422.72	2,179.58	9.964	SF
SOUTH #6-24D - OH - OH	13,500.00	13,500.00	3,667.92	3,412.37	14.353	SF
SOUTH #6-24D - OH - OH	14,001.90	6,322.13	3,634.27	3,406.85	15.981	CC
SOUTH #6-24D - OH - OH	14,100.00	6,332.76	3,635.57	3,404.69	15.746	ES
SRC #31-5D - OH - OH	6,699.70	6,880.84	447.92	386.06	7.241	CC
SRC #31-5D - OH - OH	6,700.00	6,881.15	447.92	386.06	7.240	ES
SRC #31-5D - OH - OH	6,800.00	6,973.69	451.26	388.36	7.174	SF
SRC Northridge #11-4D - OH - OH	6,582.51	7,022.72	2,853.03	2,738.33	24.874	CC, ES
SRC Northridge #11-4D - OH - OH	6,650.00	7,085.08	2,856.66	2,741.69	24.849	SF
SRC Northridge #12-4D - OH - OH	6,561.17	6,774.41	3,098.32	3,029.82	45.230	CC, ES
SRC Northridge #12-4D - OH - OH	6,750.00	6,957.42	3,125.15	3,055.43	44.826	SF
SRC Northridge #21-4D - OH - OH	6,579.06	6,741.79	4,155.83	4,082.44	56.627	CC, ES
SRC Northridge #21-4D - OH - OH	6,800.00	6,972.01	4,193.83	4,119.10	56.114	SF
SRC Northridge #22-4D - OH - OH	5,648.69	5,065.90	4,420.87	4,375.61	97.670	CC, ES
SRC Northridge #22-4D - OH - OH	6,400.00	5,065.90	4,484.26	4,437.11	95.103	SF
SRC Northridge #4AD - OH - OH	6,579.89	6,745.47	3,604.17	3,540.52	56.620	CC, ES
SRC Northridge #4AD - OH - OH	6,800.00	6,961.49	3,640.73	3,575.64	55.931	SF
SRC Northridge #4KD - OH - OH	6,544.12	6,641.88	3,805.33	3,719.11	44.135	CC
SRC Northridge #4KD - OH - OH	6,550.00	6,647.81	3,805.35	3,719.09	44.114	ES
SRC Northridge #4KD - OH - OH	6,700.00	6,809.29	3,821.72	3,734.57	43.851	SF
SRC Wiedeman #11-5-3NCHZ - OH - OH	7,029.18	7,034.98	64.92	1.83	1.029	Level 2, CC, ES, SF
SRC Wiedeman #12-5-4CHZ - OH - OH	2,364.77	2,328.05	270.16	248.29	12.357	CC
SRC Wiedeman #12-5-4CHZ - OH - OH	2,400.00	2,361.70	270.32	248.16	12.194	ES
SRC Wiedeman #12-5-4CHZ - OH - OH	7,200.00	7,116.26	636.59	572.23	9.891	SF
SRC Wiedeman #12-5-4NCHZ - OH - OH	2,057.05	2,016.82	317.05	297.91	16.566	CC

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

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Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boomerang 21-5						
SRC Wiedeman #12-5-4NCHZ - OH - OH	2,100.00	2,057.43	317.31	297.80	16.261	ES
SRC Wiedeman #12-5-4NCHZ - OH - OH	7,200.00	7,117.93	857.06	792.58	13.291	SF
SRC Wiedeman #21-5-3CHZ - OH - OH	2,579.45	2,534.89	314.73	290.56	13.018	CC
SRC Wiedeman #21-5-3CHZ - OH - OH	2,600.00	2,552.24	314.88	290.55	12.941	ES
SRC Wiedeman #21-5-3CHZ - OH - OH	7,050.00	7,066.59	597.34	533.10	9.299	SF
SRC Wiedeman #21-5-3NBHZ - OH - OH	6,986.48	7,017.42	161.44	98.40	2.561	CC, ES, SF
SRC Wiedeman #22-5-4CHZ - OH - OH	1,372.71	1,330.89	423.31	409.48	30.622	CC
SRC Wiedeman #22-5-4CHZ - OH - OH	1,400.00	1,356.11	423.41	409.36	30.131	ES
SRC Wiedeman #22-5-4CHZ - OH - OH	7,700.00	7,000.62	1,387.07	1,317.33	19.890	SF
SRC Wiedeman #A-5-3NBHZ - OH - OH	3,351.13	3,325.71	101.86	71.50	3.355	CC, ES
SRC Wiedeman #A-5-3NBHZ - OH - OH	3,400.00	3,373.40	102.40	71.60	3.324	SF
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,770.83	2,296.09	329.41	260.10	4.752	CC, ES
SRC Wiedeman 22-5-4NBHZ - OH - OH	8,800.00	2,297.18	330.70	260.74	4.727	SF
WIEDEMAN #18-5 - OH - OH	8,808.81	7,129.76	360.62	269.20	3.945	CC, ES, SF
WIEDEMAN #22-5 - OH - OH	1,961.09	2,091.19	828.15	807.02	39.186	CC
WIEDEMAN #22-5 - OH - OH	2,100.00	2,231.25	829.60	806.46	35.850	ES
WIEDEMAN #22-5 - OH - OH	8,100.00	7,524.46	1,813.97	1,732.66	22.311	SF
WIEDEMAN #25-5 - OH - OH	100.00	60.69	974.33	967.75	148.234	CC, ES
WIEDEMAN #25-5 - OH - OH	9,600.00	7,386.78	1,795.72	1,681.99	15.789	SF
WIEDEMAN #29-5 - OH - OH	8,660.27	7,218.83	992.58	903.35	11.123	CC
WIEDEMAN #29-5 - OH - OH	8,700.00	7,218.43	993.38	903.30	11.028	ES
WIEDEMAN #29-5 - OH - OH	8,800.00	7,217.41	1,002.37	910.35	10.894	SF
WIEDEMAN #3-5 - OH - OH	8,060.23	7,182.40	414.08	335.11	5.243	CC, ES, SF
WIEDEMAN #4-5 - OH - OH	9,365.35	7,180.53	426.49	317.93	3.929	CC, ES
WIEDEMAN #4-5 - OH - OH	9,400.00	7,179.98	427.89	318.38	3.907	SF
WIEDEMAN #5-5 - OH - OH	9,565.00	7,295.70	983.87	867.71	8.470	CC
WIEDEMAN #5-5 - OH - OH	9,600.00	7,296.29	984.49	867.16	8.391	ES
WIEDEMAN #5-5 - OH - OH	9,700.00	7,297.96	993.09	872.90	8.263	SF
WIEDEMAN #6-5 - OH - OH	1,491.22	1,617.75	931.11	914.26	55.249	CC
WIEDEMAN #6-5 - OH - OH	1,600.00	1,718.47	932.08	914.04	51.662	ES
WIEDEMAN #6-5 - OH - OH	8,400.00	7,408.00	1,085.95	1,002.91	13.077	SF

Offset Design													Offset Site Error:	0.00 ft
Boomerang 21-5 - Boomerang 12N-6B-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	5.32	14.94	1.39	15.01					
100.00	100.00	100.00	100.00	3.28	3.28	5.32	14.94	1.39	15.01	8.44	6.57	2.285		
200.00	200.00	200.00	200.00	3.34	3.34	5.32	14.94	1.39	15.01	8.34	6.67	2.249	CC	
300.00	300.00	299.60	299.58	3.44	3.44	9.76	16.01	2.75	16.25	9.36	6.89	2.357		
400.00	399.98	399.06	398.90	3.60	3.60	-50.81	19.21	6.83	19.27	12.05	7.23	2.667		
500.00	499.84	498.38	497.84	3.80	3.81	-48.15	24.53	13.61	23.01	15.35	7.65	3.006		
600.00	599.45	597.56	596.28	4.05	4.06	-47.69	31.94	23.06	27.32	19.16	8.16	3.348		
700.00	698.70	696.58	694.10	4.32	4.34	-48.57	41.44	35.17	32.19	23.46	8.74	3.684		
740.00	738.27	736.15	733.02	4.45	4.46	-49.16	45.82	40.75	34.30	25.31	8.98	3.818		
800.00	797.57	795.41	791.14	4.63	4.65	-49.55	52.99	49.90	38.04	28.67	9.37	4.059		
900.00	896.39	893.85	887.09	4.96	4.99	-48.10	66.55	67.18	46.54	36.48	10.06	4.627		
1,000.00	995.21	992.18	982.17	5.32	5.37	-45.37	82.01	86.90	57.82	47.05	10.78	5.365		
1,100.00	1,094.03	1,108.58	1,077.92	5.69	5.85	-43.19	98.10	107.41	69.90	58.32	11.58	6.035		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
1,200.00	1,192.86	1,209.34	1,173.67	6.07	6.28	-41.65	114.19	127.92	82.05	69.70	12.36	6.640		
1,300.00	1,291.68	1,289.90	1,269.43	6.47	6.65	-40.52	130.27	148.44	94.25	81.18	13.07	7.210		
1,400.00	1,390.50	1,389.13	1,365.18	6.88	7.10	-39.64	146.36	168.95	106.47	92.59	13.88	7.669		
1,500.00	1,489.33	1,488.37	1,460.94	7.29	7.57	-38.94	162.45	189.46	118.71	104.00	14.71	8.069		
1,600.00	1,588.15	1,587.61	1,556.69	7.71	8.04	-38.37	178.53	209.97	130.97	115.41	15.56	8.419		
1,700.00	1,686.97	1,686.85	1,652.44	8.14	8.52	-37.91	194.62	230.48	143.23	126.82	16.41	8.728		
1,800.00	1,785.79	1,786.09	1,748.20	8.57	9.01	-37.51	210.71	250.99	155.51	138.23	17.28	9.000		
1,900.00	1,884.62	1,885.33	1,843.95	9.01	9.51	-37.17	226.80	271.50	167.79	149.63	18.15	9.242		
2,000.00	1,983.44	1,984.57	1,939.71	9.45	10.00	-36.88	242.88	292.01	180.07	161.04	19.04	9.458		
2,100.00	2,082.26	2,083.81	2,035.46	9.89	10.50	-36.63	258.97	312.53	192.36	172.43	19.93	9.652		
2,200.00	2,181.09	2,183.04	2,131.21	10.33	11.01	-36.40	275.06	333.04	204.66	183.83	20.83	9.827		
2,300.00	2,279.91	2,282.28	2,226.97	10.78	11.51	-36.20	291.15	353.55	216.95	195.22	21.73	9.984		
2,400.00	2,378.73	2,381.52	2,322.72	11.23	12.02	-36.03	307.23	374.06	229.25	206.61	22.64	10.127		
2,500.00	2,477.55	2,480.76	2,418.47	11.68	12.54	-35.87	323.32	394.57	241.55	218.00	23.55	10.258		
2,600.00	2,576.38	2,580.00	2,514.23	12.13	13.05	-35.72	339.41	415.08	253.85	229.39	24.46	10.377		
2,700.00	2,675.20	2,679.24	2,609.98	12.59	13.56	-35.59	355.49	435.59	266.15	240.77	25.38	10.486		
2,800.00	2,774.02	2,778.48	2,705.74	13.04	14.08	-35.48	371.58	456.10	278.46	252.15	26.30	10.586		
2,900.00	2,872.85	2,877.71	2,801.49	13.50	14.60	-35.37	387.67	476.62	290.76	263.53	27.23	10.679		
3,000.00	2,971.67	2,976.95	2,897.24	13.96	15.12	-35.27	403.76	497.13	303.07	274.91	28.15	10.764		
3,100.00	3,070.49	3,076.19	2,993.00	14.41	15.64	-35.17	419.84	517.64	315.37	286.29	29.08	10.844		
3,200.00	3,169.31	3,175.43	3,088.75	14.87	16.16	-35.09	435.93	538.15	327.68	297.67	30.01	10.918		
3,300.00	3,268.14	3,274.67	3,184.50	15.33	16.68	-35.01	452.02	558.66	339.99	309.04	30.95	10.986		
3,400.00	3,366.96	3,373.91	3,280.26	15.79	17.20	-34.94	468.10	579.17	352.30	320.42	31.88	11.050		
3,500.00	3,465.78	3,473.15	3,376.01	16.25	17.73	-34.87	484.19	599.68	364.61	331.79	32.82	11.110		
3,600.00	3,564.61	3,572.38	3,471.77	16.72	18.25	-34.80	500.28	620.19	376.92	343.16	33.75	11.167		
3,700.00	3,663.43	3,671.62	3,567.52	17.18	18.78	-34.74	516.37	640.71	389.23	354.53	34.69	11.220		
3,800.00	3,762.25	3,770.86	3,663.27	17.64	19.30	-34.69	532.45	661.22	401.54	365.90	35.63	11.269		
3,900.00	3,861.07	3,870.10	3,759.03	18.10	19.83	-34.63	548.54	681.73	413.85	377.27	36.57	11.316		
4,000.00	3,959.90	3,969.34	3,854.78	18.57	20.35	-34.58	564.63	702.24	426.16	388.64	37.51	11.360		
4,100.00	4,058.72	4,068.58	3,950.54	19.03	20.88	-34.54	580.72	722.75	438.47	400.01	38.46	11.402		
4,200.00	4,157.54	4,167.82	4,046.29	19.50	21.41	-34.49	596.80	743.26	450.78	411.38	39.40	11.441		
4,300.00	4,256.37	4,267.05	4,142.04	19.96	21.93	-34.45	612.89	763.77	463.09	422.75	40.34	11.479		
4,400.00	4,355.19	4,366.29	4,237.80	20.43	22.46	-34.41	628.98	784.28	475.41	434.12	41.29	11.514		
4,500.00	4,454.01	4,479.85	4,347.72	20.89	23.05	-34.42	646.55	806.69	486.61	444.23	42.38	11.481		
4,600.00	4,552.83	4,598.68	4,463.83	21.36	23.64	-34.62	662.11	826.52	494.06	450.60	43.47	11.367		
4,700.00	4,651.66	4,717.94	4,581.33	21.82	24.20	-35.01	674.72	842.60	497.63	453.15	44.47	11.189		
4,800.00	4,750.48	4,837.24	4,699.60	22.29	24.72	-35.60	684.30	854.83	497.32	451.92	45.40	10.953		
4,900.00	4,849.30	4,956.15	4,818.03	22.76	25.21	-36.40	690.83	863.14	493.19	446.93	46.25	10.663		
5,000.00	4,948.13	5,074.27	4,936.01	23.22	25.67	-37.43	694.30	867.57	485.31	438.29	47.03	10.320		
5,100.00	5,046.95	5,185.22	5,046.95	23.69	26.07	-38.64	694.94	868.39	474.03	426.23	47.80	9.917		
5,200.00	5,145.77	5,284.04	5,145.77	24.16	26.43	-39.82	694.94	868.39	462.12	413.43	48.69	9.491		
5,300.00	5,244.59	5,382.87	5,244.59	24.62	26.80	-41.06	694.94	868.39	450.42	400.84	49.59	9.084		
5,400.00	5,343.42	5,481.69	5,343.42	25.09	27.16	-42.36	694.94	868.39	438.94	388.45	50.49	8.694		
5,500.00	5,442.24	5,580.51	5,442.24	25.56	27.53	-43.73	694.94	868.39	427.70	376.30	51.40	8.321		
5,600.00	5,541.06	5,679.33	5,541.06	26.03	27.89	-45.18	694.94	868.39	416.71	364.40	52.31	7.966		
5,700.00	5,639.89	5,778.16	5,639.89	26.50	28.26	-46.70	694.94	868.39	406.01	352.78	53.23	7.627		
5,800.00	5,738.71	5,876.98	5,738.71	26.96	28.64	-48.30	694.94	868.39	395.61	341.45	54.16	7.305		
5,900.00	5,837.53	5,975.80	5,837.53	27.43	29.01	-49.99	694.94	868.39	385.53	330.44	55.09	6.998		
6,000.00	5,936.35	6,074.63	5,936.35	27.90	29.38	-51.77	694.94	868.39	375.81	319.78	56.03	6.707		
6,100.00	6,035.18	6,173.45	6,035.18	28.37	29.76	-53.63	694.94	868.39	366.47	309.50	56.97	6.433		
6,200.00	6,134.00	6,272.27	6,134.00	28.84	30.14	-55.59	694.94	868.39	357.54	299.62	57.92	6.173		
6,300.00	6,232.82	6,371.09	6,232.82	29.31	30.52	-57.64	694.94	868.39	349.05	290.18	58.87	5.929		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
6,400.00	6,331.64	6,471.70	6,333.42	29.77	30.90	-59.89	694.93	868.08	340.99	281.19	59.80	5.702		
6,477.15	6,407.89	6,552.65	6,413.95	30.14	31.21	-63.01	694.60	860.41	334.25	273.74	60.51	5.524		
6,500.00	6,430.52	6,575.69	6,436.64	30.24	31.29	-57.76	694.43	856.36	332.29	271.54	60.75	5.470		
6,550.00	6,480.31	6,625.24	6,484.82	30.46	31.48	-24.58	693.94	844.91	328.43	267.14	61.29	5.359		
6,600.00	6,530.22	6,673.63	6,530.89	30.66	31.67	41.52	693.30	830.13	325.19	263.35	61.84	5.259		
6,650.00	6,579.93	6,720.97	6,574.74	30.85	31.86	64.00	692.54	812.34	322.58	260.21	62.37	5.172		
6,700.00	6,629.13	6,767.33	6,616.29	31.04	32.06	70.19	691.65	791.80	320.62	257.74	62.88	5.099		
6,750.00	6,677.53	6,812.80	6,655.48	31.23	32.26	72.00	690.67	768.78	319.30	255.95	63.35	5.041		
6,800.00	6,724.83	6,857.45	6,692.26	31.43	32.47	72.15	689.58	743.51	318.57	254.84	63.73	4.998		
6,840.02	6,761.70	6,892.66	6,719.96	31.59	32.65	71.69	688.65	721.82	318.40	254.42	63.98	4.976		
6,850.00	6,770.73	6,901.36	6,726.62	31.63	32.69	71.53	688.41	716.22	318.41	254.38	64.03	4.973		
6,900.00	6,814.95	6,944.58	6,758.52	31.84	32.93	70.51	687.16	687.10	318.76	254.52	64.24	4.962		
6,950.00	6,857.22	6,987.19	6,787.97	32.06	33.18	69.29	685.83	656.34	319.56	255.21	64.35	4.966		
7,000.00	6,897.28	7,029.23	6,814.94	32.29	33.44	67.98	684.45	624.13	320.74	256.37	64.37	4.983		
7,050.00	6,934.88	7,070.77	6,839.44	32.54	33.72	66.64	683.01	590.62	322.23	257.91	64.32	5.010		
7,100.00	6,969.79	7,111.85	6,861.47	32.81	34.03	65.32	681.52	555.99	323.97	259.74	64.23	5.044		
7,150.00	7,001.79	7,152.52	6,881.03	33.11	34.35	64.05	679.99	520.37	325.87	261.76	64.12	5.083		
7,200.00	7,030.69	7,192.82	6,898.13	33.44	34.70	62.85	678.43	483.92	327.88	263.86	64.02	5.122		
7,250.00	7,056.31	7,232.80	6,912.78	33.81	35.07	61.73	676.83	446.76	329.92	265.95	63.97	5.157		
7,300.00	7,078.48	7,272.50	6,924.99	34.21	35.46	60.71	675.21	409.03	331.93	267.94	63.99	5.187		
7,350.00	7,097.08	7,311.94	6,934.76	34.65	35.87	59.79	673.57	370.86	333.85	269.74	64.11	5.207		
7,400.00	7,112.00	7,350.00	6,941.94	35.12	36.29	59.00	671.97	333.53	335.65	271.31	64.34	5.217		
7,450.00	7,123.12	7,390.22	6,947.07	35.64	36.76	58.29	670.26	293.68	337.27	272.51	64.75	5.209		
7,500.00	7,130.40	7,429.12	6,949.64	36.19	37.22	57.71	668.59	254.91	338.67	273.37	65.29	5.187		
7,550.00	7,133.78	7,470.59	6,949.87	36.77	37.73	57.24	666.81	213.47	339.77	273.76	66.02	5.147		
7,574.97	7,134.00	7,504.44	6,949.60	37.06	38.17	57.14	665.74	188.53	339.85	273.21	66.63	5.100		
7,600.00	7,133.73	7,520.59	6,949.33	37.37	38.39	57.12	664.66	163.53	339.68	272.58	67.10	5.062		
7,700.00	7,132.66	7,620.58	6,948.26	38.71	39.82	57.05	660.37	63.63	339.00	269.46	69.53	4.875		
7,800.00	7,131.59	7,720.58	6,947.18	40.20	41.40	56.97	656.08	-36.27	338.32	266.11	72.21	4.685		
7,900.00	7,130.52	7,820.58	6,946.10	41.84	43.11	56.89	651.79	-136.16	337.64	262.53	75.10	4.496		
8,000.00	7,129.45	7,920.57	6,945.02	43.60	44.94	56.82	647.50	-236.06	336.96	258.77	78.19	4.310		
8,100.00	7,128.38	8,020.57	6,943.94	45.47	46.87	56.74	643.21	-335.96	336.28	254.85	81.44	4.129		
8,200.00	7,127.31	8,120.57	6,942.86	47.44	48.89	56.66	638.91	-435.86	335.60	250.77	84.83	3.956		
8,300.00	7,126.24	8,220.56	6,941.78	49.49	50.99	56.58	634.62	-535.76	334.93	246.57	88.36	3.791		
8,400.00	7,125.17	8,320.56	6,940.71	51.61	53.16	56.51	630.33	-635.66	334.25	242.26	92.00	3.633		
8,500.00	7,124.10	8,420.56	6,939.63	53.81	55.40	56.43	626.04	-735.56	333.58	237.84	95.73	3.484		
8,600.00	7,123.03	8,520.55	6,938.55	56.06	57.68	56.35	621.75	-835.46	332.90	233.35	99.56	3.344		
8,700.00	7,121.96	8,620.55	6,937.47	58.36	60.01	56.27	617.46	-935.35	332.23	228.77	103.45	3.211		
8,800.00	7,120.89	8,720.55	6,936.39	60.71	62.39	56.19	613.17	-1,035.25	331.56	224.14	107.42	3.087		
8,900.00	7,119.82	8,820.54	6,935.31	63.10	64.80	56.11	608.87	-1,135.15	330.88	219.44	111.44	2.969		
9,000.00	7,118.75	8,920.54	6,934.24	65.53	67.25	56.03	604.58	-1,235.05	330.21	214.70	115.51	2.859		
9,100.00	7,117.68	9,020.54	6,933.16	67.98	69.73	55.95	600.29	-1,334.95	329.54	209.91	119.63	2.755		
9,200.00	7,116.61	9,120.53	6,932.08	70.47	72.23	55.87	596.00	-1,434.85	328.87	205.08	123.79	2.657		
9,300.00	7,115.54	9,220.53	6,931.00	72.98	74.76	55.79	591.71	-1,534.75	328.20	200.22	127.98	2.564		
9,400.00	7,114.47	9,320.53	6,929.92	75.52	77.31	55.71	587.42	-1,634.64	327.53	195.33	132.20	2.477		
9,500.00	7,113.40	9,420.52	6,928.84	78.08	79.88	55.63	583.12	-1,734.54	326.86	190.41	136.45	2.395		
9,600.00	7,112.33	9,520.52	6,927.76	80.65	82.46	55.54	578.83	-1,834.44	326.19	185.47	140.72	2.318		
9,700.00	7,111.26	9,620.52	6,926.69	83.25	85.07	55.46	574.54	-1,934.34	325.53	180.51	145.01	2.245		
9,800.00	7,110.19	9,720.51	6,925.61	85.86	87.68	55.38	570.25	-2,034.24	324.86	175.54	149.32	2.176		
9,900.00	7,109.12	9,820.51	6,924.53	88.48	90.31	55.30	565.96	-2,134.14	324.19	170.55	153.65	2.110		
10,000.00	7,108.04	9,920.51	6,923.45	91.12	92.96	55.21	561.67	-2,234.04	323.53	165.55	157.98	2.048		
10,100.00	7,106.97	10,020.50	6,922.37	93.77	95.61	55.13	557.37	-2,333.94	322.86	160.53	162.33	1.989		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,200.00	7,105.90	10,120.50	6,921.29	96.43	98.28	55.04	553.08	-2,433.83	322.20	155.51	166.69	1.933		
10,300.00	7,104.83	10,220.50	6,920.21	99.10	100.95	54.96	548.79	-2,533.73	321.54	150.48	171.06	1.880		
10,400.00	7,103.76	10,320.49	6,919.14	101.78	103.64	54.88	544.50	-2,633.63	320.87	145.45	175.43	1.829		
10,500.00	7,102.69	10,420.49	6,918.06	104.47	106.33	54.79	540.21	-2,733.53	320.21	140.41	179.81	1.781		
10,600.00	7,101.62	10,520.49	6,916.98	107.16	109.03	54.70	535.92	-2,833.43	319.55	135.36	184.19	1.735		
10,700.00	7,100.55	10,620.48	6,915.90	109.87	111.73	54.62	531.63	-2,933.33	318.89	130.32	188.57	1.691		
10,800.00	7,099.48	10,720.48	6,914.82	112.58	114.45	54.53	527.33	-3,033.23	318.23	125.27	192.96	1.649		
10,900.00	7,098.41	10,820.48	6,913.74	115.29	117.16	54.45	523.04	-3,133.13	317.57	120.22	197.35	1.609		
11,000.00	7,097.34	10,920.47	6,912.67	118.02	119.89	54.36	518.75	-3,233.02	316.92	115.18	201.74	1.571		
11,100.00	7,096.27	11,020.47	6,911.59	120.74	122.62	54.27	514.46	-3,332.92	316.26	110.13	206.13	1.534		
11,200.00	7,095.20	11,120.47	6,910.51	123.48	125.35	54.18	510.17	-3,432.82	315.60	105.09	210.52	1.499 Level 3		
11,300.00	7,094.13	11,220.46	6,909.43	126.22	128.09	54.10	505.88	-3,532.72	314.95	100.04	214.90	1.466 Level 3		
11,400.00	7,093.06	11,320.46	6,908.35	128.96	130.83	54.01	501.58	-3,632.62	314.29	95.00	219.29	1.433 Level 3		
11,500.00	7,091.99	11,420.46	6,907.27	131.71	133.58	53.92	497.29	-3,732.52	313.64	89.97	223.67	1.402 Level 3		
11,600.00	7,090.92	11,520.45	6,906.19	134.46	136.33	53.83	493.00	-3,832.42	312.98	84.94	228.04	1.372 Level 3		
11,700.00	7,089.85	11,620.45	6,905.12	137.21	139.09	53.74	488.71	-3,932.32	312.33	79.91	232.42	1.344 Level 3		
11,800.00	7,088.78	11,720.45	6,904.04	139.97	141.84	53.65	484.42	-4,032.21	311.68	74.89	236.79	1.316 Level 3		
11,900.00	7,087.71	11,820.44	6,902.96	142.73	144.61	53.56	480.13	-4,132.11	311.03	69.87	241.15	1.290 Level 3		
12,000.00	7,086.64	11,920.44	6,901.88	145.50	147.37	53.47	475.83	-4,232.01	310.37	64.86	245.51	1.264 Level 3		
12,100.00	7,085.57	12,020.44	6,900.80	148.26	150.14	53.38	471.54	-4,331.91	309.72	59.86	249.87	1.240 Level 2		
12,200.00	7,084.50	12,120.43	6,899.72	151.03	152.91	53.29	467.25	-4,431.81	309.08	54.86	254.22	1.216 Level 2		
12,300.00	7,083.43	12,220.43	6,898.64	153.81	155.68	53.20	462.96	-4,531.71	308.43	49.87	258.56	1.193 Level 2		
12,400.00	7,082.36	12,320.43	6,897.57	156.58	158.45	53.10	458.67	-4,631.61	307.78	44.89	262.89	1.171 Level 2		
12,500.00	7,081.29	12,420.42	6,896.49	159.36	161.23	53.01	454.38	-4,731.51	307.13	39.91	267.22	1.149 Level 2		
12,600.00	7,080.22	12,520.42	6,895.41	162.14	164.01	52.92	450.09	-4,831.40	306.49	34.94	271.54	1.129 Level 2		
12,700.00	7,079.15	12,620.42	6,894.33	164.92	166.79	52.82	445.79	-4,931.30	305.84	29.98	275.86	1.109 Level 2		
12,800.00	7,078.08	12,720.41	6,893.25	167.71	169.57	52.73	441.50	-5,031.20	305.20	25.03	280.16	1.089 Level 2		
12,900.00	7,077.01	12,820.41	6,892.17	170.49	172.36	52.64	437.21	-5,131.10	304.55	20.09	284.46	1.071 Level 2		
13,000.00	7,075.93	12,920.41	6,891.10	173.28	175.14	52.54	432.92	-5,231.00	303.91	15.16	288.75	1.052 Level 2		
13,100.00	7,074.86	13,020.40	6,890.02	176.07	177.93	52.45	428.63	-5,330.90	303.27	10.24	293.03	1.035 Level 2		
13,200.00	7,073.79	13,120.40	6,888.94	178.86	180.72	52.35	424.34	-5,430.80	302.63	5.32	297.31	1.018 Level 2		
13,300.00	7,072.72	13,220.40	6,887.86	181.65	183.51	52.26	420.04	-5,530.70	301.99	0.42	301.57	1.001 Level 2		
13,400.00	7,071.65	13,320.39	6,886.78	184.45	186.30	52.16	415.75	-5,630.59	301.35	-4.47	305.82	0.985 Level 1		
13,500.00	7,070.58	13,420.39	6,885.70	187.25	189.10	52.06	411.46	-5,730.49	300.71	-9.36	310.07	0.970 Level 1		
13,600.00	7,069.51	13,520.39	6,884.62	190.04	191.89	51.97	407.17	-5,830.39	300.07	-14.23	314.30	0.955 Level 1		
13,700.00	7,068.44	13,620.38	6,883.55	192.84	194.69	51.87	402.88	-5,930.29	299.44	-19.09	318.53	0.940 Level 1		
13,800.00	7,067.37	13,720.38	6,882.47	195.64	197.49	51.77	398.59	-6,030.19	298.80	-23.94	322.75	0.926 Level 1		
13,900.00	7,066.30	13,820.38	6,881.39	198.44	200.29	51.67	394.29	-6,130.09	298.17	-28.78	326.95	0.912 Level 1		
14,000.00	7,065.23	13,920.37	6,880.31	201.24	203.09	51.57	390.00	-6,229.99	297.53	-33.61	331.14	0.898 Level 1		
14,100.00	7,064.16	14,020.37	6,879.23	204.05	205.89	51.48	385.71	-6,329.88	296.90	-38.43	335.33	0.885 Level 1		
14,200.00	7,063.09	14,120.37	6,878.15	206.85	208.69	51.38	381.42	-6,429.78	296.27	-43.23	339.50	0.873 Level 1		
14,300.00	7,062.02	14,220.36	6,877.08	209.66	211.50	51.28	377.13	-6,529.68	295.64	-48.03	343.66	0.860 Level 1		
14,400.00	7,060.95	14,320.36	6,876.00	212.46	214.30	51.18	372.84	-6,629.58	295.01	-52.81	347.81	0.848 Level 1		
14,500.00	7,059.88	14,420.36	6,874.92	215.27	217.10	51.08	368.54	-6,729.48	294.38	-57.58	351.95	0.836 Level 1		
14,600.00	7,058.81	14,520.35	6,873.84	218.08	219.91	50.97	364.25	-6,829.38	293.75	-62.33	356.08	0.825 Level 1		
14,700.00	7,057.74	14,620.35	6,872.76	220.89	222.72	50.87	359.96	-6,929.28	293.12	-67.08	360.20	0.814 Level 1		
14,800.00	7,056.67	14,720.35	6,871.68	223.70	225.52	50.77	355.67	-7,029.18	292.49	-71.81	364.30	0.803 Level 1		
14,900.00	7,055.60	14,820.34	6,870.60	226.51	228.33	50.67	351.38	-7,129.07	291.87	-76.52	368.39	0.792 Level 1		
15,000.00	7,054.53	14,920.34	6,869.53	229.32	231.14	50.57	347.09	-7,228.97	291.24	-81.23	372.47	0.782 Level 1		
15,100.00	7,053.46	15,020.34	6,868.45	232.14	233.95	50.46	342.80	-7,328.87	290.62	-85.92	376.54	0.772 Level 1		
15,200.00	7,052.39	15,120.33	6,867.37	234.95	236.76	50.36	338.50	-7,428.77	289.99	-90.60	380.59	0.762 Level 1		
15,300.00	7,051.32	15,220.33	6,866.29	237.76	239.57	50.25	334.21	-7,528.67	289.37	-95.26	384.63	0.752 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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Boomerang 21-5 - Boomerang 12N-6B-M - OH - Plan #1		Offset Site Error:		0.00 ft	
Survey Program:												0-MWD+IFR1		Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							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)						
15,400.00	7,050.25	15,320.33	6,865.21	240.58	242.39	50.15	329.92	-7,628.57	288.75	-99.91	388.66	0.743	Level 1				
15,500.00	7,049.18	15,420.32	6,864.13	243.39	245.20	50.04	325.63	-7,728.47	288.13	-104.55	392.68	0.734	Level 1				
15,600.00	7,048.11	15,520.32	6,863.05	246.21	248.01	49.94	321.34	-7,828.37	287.51	-109.17	396.68	0.725	Level 1				
15,701.75	7,047.02	15,618.10	6,862.00	249.07	250.76	49.83	317.14	-7,926.05	286.91	-113.76	400.67	0.716	Level 1, ES, SF				
15,703.32	7,047.00	15,618.10	6,862.00	249.12	250.76	49.83	317.14	-7,926.05	286.93	-113.75	400.68	0.716	Level 1				
15,703.90	7,046.99	15,618.10	6,862.00	249.13	250.76	49.83	317.14	-7,926.05	286.93	-113.75	400.68	0.716	Level 1				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 13C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.41	-59.74	-5.85	60.02					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-59.74	-5.85	60.02	53.45	6.57	9.137		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-59.74	-5.85	60.02	53.35	6.67	8.993		
300.00	300.00	300.00	300.00	3.44	3.44	-174.41	-59.74	-5.85	60.02	53.13	6.89	8.712 CC, ES		
400.00	399.98	399.34	399.32	3.60	3.60	118.80	-60.43	-4.27	61.40	54.21	7.20	8.529		
500.00	499.84	498.56	498.40	3.80	3.79	118.43	-62.50	0.45	65.55	57.95	7.59	8.631		
600.00	599.45	597.55	597.02	4.05	4.03	117.88	-65.93	8.30	72.45	64.38	8.07	8.976		
700.00	698.70	696.21	694.95	4.32	4.29	117.26	-70.71	19.21	82.10	73.48	8.62	9.523		
740.00	738.27	735.56	733.88	4.45	4.41	117.00	-72.99	24.43	86.72	77.86	8.86	9.788		
800.00	797.57	794.45	792.00	4.63	4.59	116.42	-76.81	33.14	94.19	84.96	9.23	10.202		
900.00	896.39	892.23	888.02	4.96	4.93	114.28	-84.21	50.03	107.65	97.76	9.90	10.878		
1,000.00	995.21	989.33	982.69	5.32	5.29	111.20	-92.85	69.76	122.64	112.03	10.61	11.564		
1,100.00	1,094.03	1,085.54	1,075.73	5.69	5.69	107.61	-102.67	92.19	139.49	128.13	11.35	12.288		
1,200.00	1,192.86	1,182.75	1,169.11	6.07	6.12	104.02	-113.52	116.95	158.04	145.91	12.13	13.030		
1,300.00	1,291.68	1,280.56	1,263.03	6.47	6.58	101.13	-124.47	141.96	177.14	164.21	12.93	13.696		
1,400.00	1,390.50	1,378.37	1,356.95	6.88	7.05	98.81	-135.42	166.97	196.60	182.84	13.76	14.290		
1,500.00	1,489.33	1,476.17	1,450.87	7.29	7.54	96.91	-146.38	191.98	216.31	201.71	14.60	14.818		
1,600.00	1,588.15	1,573.98	1,544.79	7.71	8.03	95.32	-157.33	216.99	236.21	220.76	15.45	15.287		
1,700.00	1,686.97	1,671.79	1,638.71	8.14	8.54	93.98	-168.28	242.00	256.26	239.94	16.32	15.704		
1,800.00	1,785.79	1,769.60	1,732.63	8.57	9.06	92.84	-179.24	267.01	276.42	259.23	17.19	16.076		
1,900.00	1,884.62	1,867.40	1,826.54	9.01	9.58	91.85	-190.19	292.02	296.68	278.60	18.08	16.409		
2,000.00	1,983.44	1,965.21	1,920.46	9.45	10.11	90.98	-201.14	317.03	317.01	298.04	18.97	16.708		
2,100.00	2,082.26	2,063.02	2,014.38	9.89	10.64	90.22	-212.10	342.04	337.40	317.53	19.87	16.978		
2,200.00	2,181.09	2,160.82	2,108.30	10.33	11.18	89.55	-223.05	367.05	357.84	337.06	20.78	17.221		
2,300.00	2,279.91	2,258.63	2,202.22	10.78	11.72	88.95	-234.00	392.06	378.33	356.64	21.69	17.442		
2,400.00	2,378.73	2,356.44	2,296.14	11.23	12.26	88.41	-244.96	417.07	398.85	376.24	22.61	17.643		
2,500.00	2,477.55	2,454.24	2,390.06	11.68	12.81	87.93	-255.91	442.08	419.40	395.87	23.53	17.827		
2,600.00	2,576.38	2,552.05	2,483.97	12.13	13.36	87.49	-266.86	467.09	439.97	415.52	24.45	17.995		
2,700.00	2,675.20	2,649.86	2,577.89	12.59	13.91	87.09	-277.81	492.10	460.57	435.20	25.38	18.149		
2,800.00	2,774.02	2,747.66	2,671.81	13.04	14.46	86.72	-288.77	517.11	481.19	454.88	26.31	18.291		
2,900.00	2,872.85	2,845.47	2,765.73	13.50	15.01	86.38	-299.72	542.12	501.83	474.59	27.24	18.423		
3,000.00	2,971.67	2,943.28	2,859.65	13.96	15.57	86.07	-310.67	567.13	522.48	494.30	28.17	18.544		
3,100.00	3,070.49	3,041.08	2,953.57	14.41	16.12	85.79	-321.63	592.14	543.14	514.03	29.11	18.657		
3,200.00	3,169.31	3,138.89	3,047.49	14.87	16.68	85.52	-332.58	617.15	563.82	533.77	30.05	18.762		
3,300.00	3,268.14	3,236.70	3,141.41	15.33	17.24	85.28	-343.53	642.16	584.51	553.52	30.99	18.860		
3,400.00	3,366.96	3,341.69	3,242.32	15.79	17.83	85.05	-355.16	668.71	604.99	572.98	32.01	18.901		
3,500.00	3,465.78	3,459.79	3,356.82	16.25	18.47	85.04	-366.75	695.16	622.95	589.81	33.14	18.799		
3,600.00	3,564.61	3,579.08	3,473.59	16.72	19.07	85.31	-376.52	717.47	637.74	603.50	34.23	18.631		
3,700.00	3,663.43	3,699.18	3,592.07	17.18	19.64	85.85	-384.38	735.41	649.33	614.05	35.28	18.404		
3,800.00	3,762.25	3,819.65	3,711.64	17.64	20.16	86.65	-390.25	748.83	657.77	621.48	36.29	18.127		
3,900.00	3,861.07	3,940.08	3,831.68	18.10	20.64	87.71	-394.10	757.62	663.13	625.88	37.25	17.803		
4,000.00	3,959.90	4,060.05	3,951.55	18.57	21.09	89.04	-395.92	761.78	665.55	627.39	38.16	17.441		
4,100.00	4,058.72	4,167.22	4,058.72	19.03	21.47	90.43	-396.09	762.15	665.74	626.70	39.05	17.050		
4,200.00	4,157.54	4,266.04	4,157.54	19.50	21.80	91.73	-396.09	762.15	666.04	626.11	39.93	16.681		
4,300.00	4,256.37	4,364.86	4,256.37	19.96	22.15	93.03	-396.09	762.15	666.68	625.86	40.81	16.335		
4,400.00	4,355.19	4,463.69	4,355.19	20.43	22.49	94.32	-396.09	762.15	667.67	625.97	41.70	16.012		
4,500.00	4,454.01	4,562.51	4,454.01	20.89	22.84	95.61	-396.09	762.15	669.01	626.42	42.58	15.710		
4,600.00	4,552.83	4,661.33	4,552.83	21.36	23.19	96.90	-396.09	762.15	670.70	627.22	43.47	15.428		
4,700.00	4,651.66	4,760.16	4,651.66	21.82	23.55	98.18	-396.09	762.15	672.73	628.37	44.36	15.165		
4,800.00	4,750.48	4,858.98	4,750.48	22.29	23.90	99.45	-396.09	762.15	675.10	629.85	45.25	14.920		
4,900.00	4,849.30	4,957.80	4,849.30	22.76	24.26	100.71	-396.09	762.15	677.81	631.67	46.14	14.692		
5,000.00	4,948.13	5,056.62	4,948.13	23.22	24.63	101.96	-396.09	762.15	680.85	633.82	47.02	14.479		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,155.45	5,046.95	23.69	24.99	103.20	-396.09	762.15	684.22	636.31	47.91	14.281		
5,200.00	5,145.77	5,254.27	5,145.77	24.16	25.36	104.43	-396.09	762.15	687.91	639.12	48.80	14.098		
5,300.00	5,244.59	5,353.09	5,244.59	24.62	25.72	105.64	-396.09	762.15	691.92	642.24	49.68	13.927		
5,400.00	5,343.42	5,451.91	5,343.42	25.09	26.09	106.84	-396.09	762.15	696.25	645.68	50.56	13.769		
5,500.00	5,442.24	5,550.74	5,442.24	25.56	26.47	108.02	-396.09	762.15	700.88	649.43	51.45	13.623		
5,600.00	5,541.06	5,649.56	5,541.06	26.03	26.84	109.19	-396.09	762.15	705.82	653.49	52.33	13.488		
5,700.00	5,639.89	5,748.38	5,639.89	26.50	27.22	110.34	-396.09	762.15	711.04	657.83	53.21	13.363		
5,800.00	5,738.71	5,847.21	5,738.71	26.96	27.60	111.48	-396.09	762.15	716.56	662.47	54.09	13.248		
5,900.00	5,837.53	5,946.03	5,837.53	27.43	27.97	112.60	-396.09	762.15	722.36	667.39	54.97	13.142		
6,000.00	5,936.35	6,044.85	5,936.35	27.90	28.36	113.70	-396.09	762.15	728.44	672.59	55.84	13.044		
6,100.00	6,035.18	6,143.67	6,035.18	28.37	28.74	114.78	-396.09	762.15	734.78	678.06	56.72	12.955		
6,200.00	6,134.00	6,242.50	6,134.00	28.84	29.12	115.84	-396.09	762.15	741.38	683.79	57.59	12.873		
6,300.00	6,232.82	6,341.32	6,232.82	29.31	29.51	116.89	-396.09	762.15	748.24	689.78	58.46	12.799		
6,400.00	6,331.64	6,440.14	6,331.64	29.77	29.89	117.91	-396.09	762.15	755.35	696.01	59.33	12.731		
6,477.15	6,407.89	6,516.39	6,407.89	30.14	30.19	118.69	-396.09	762.15	761.00	700.99	60.00	12.682		
6,500.00	6,430.52	6,539.02	6,430.52	30.24	30.28	125.27	-396.09	762.15	762.64	702.44	60.20	12.668		
6,550.00	6,480.31	6,588.81	6,480.31	30.46	30.48	161.14	-396.09	762.15	765.89	705.28	60.62	12.635		
6,600.00	6,530.22	6,638.72	6,530.22	30.66	30.67	-130.37	-396.09	762.15	768.61	707.59	61.02	12.597		
6,650.00	6,579.93	6,681.77	6,579.93	30.85	30.84	-105.66	-396.13	760.78	771.00	709.64	61.36	12.565		
6,700.00	6,629.13	6,724.80	6,616.05	31.04	31.00	-97.28	-396.27	756.51	773.29	711.60	61.70	12.534		
6,750.00	6,677.53	6,768.02	6,658.66	31.23	31.16	-93.34	-396.50	749.32	775.49	713.45	62.04	12.500		
6,800.00	6,724.83	6,811.45	6,700.89	31.43	31.33	-91.14	-396.83	739.20	777.57	715.19	62.39	12.464		
6,850.00	6,770.73	6,855.13	6,742.56	31.63	31.51	-89.80	-397.25	726.15	779.55	716.80	62.75	12.423		
6,900.00	6,814.95	6,899.09	6,783.49	31.84	31.69	-88.96	-397.77	710.16	781.41	718.28	63.13	12.378		
6,950.00	6,857.22	6,943.35	6,823.50	32.06	31.89	-88.45	-398.38	691.25	783.16	719.62	63.54	12.326		
7,000.00	6,897.28	6,987.97	6,862.39	32.29	32.10	-88.16	-399.09	669.42	784.78	720.81	63.97	12.267		
7,050.00	6,934.88	7,032.95	6,899.96	32.54	32.32	-88.05	-399.88	644.71	786.28	721.84	64.45	12.200		
7,100.00	6,969.79	7,078.35	6,936.02	32.81	32.56	-88.06	-400.78	617.15	787.67	722.70	64.97	12.124		
7,150.00	7,001.79	7,124.20	6,970.33	33.11	32.83	-88.18	-401.76	586.78	788.93	723.39	65.54	12.037		
7,200.00	7,030.69	7,170.52	7,002.70	33.44	33.12	-88.38	-402.83	553.67	790.07	723.89	66.18	11.939		
7,250.00	7,056.31	7,217.36	7,032.89	33.81	33.44	-88.67	-403.98	517.90	791.09	724.21	66.88	11.829		
7,300.00	7,078.48	7,264.74	7,060.67	34.21	33.79	-89.02	-405.22	479.54	791.99	724.34	67.65	11.707		
7,350.00	7,097.08	7,312.72	7,085.80	34.65	34.18	-89.43	-406.54	438.72	792.77	724.27	68.50	11.573		
7,400.00	7,112.00	7,361.30	7,108.06	35.12	34.62	-89.89	-407.94	395.56	793.43	724.00	69.43	11.428		
7,450.00	7,123.12	7,410.54	7,127.18	35.64	35.09	-90.40	-409.40	350.23	793.97	723.53	70.44	11.272		
7,500.00	7,130.40	7,460.46	7,142.93	36.19	35.62	-90.95	-410.93	302.90	794.38	722.86	71.52	11.108		
7,550.00	7,133.78	7,511.08	7,155.07	36.77	36.18	-91.54	-412.52	253.79	794.67	722.00	72.67	10.936		
7,574.97	7,134.00	7,536.64	7,159.71	37.06	36.48	-91.85	-413.33	228.67	794.77	721.50	73.26	10.848		
7,600.00	7,133.73	7,562.51	7,163.37	37.37	36.79	-92.14	-414.16	203.07	794.84	720.96	73.88	10.758		
7,700.00	7,132.66	7,666.83	7,167.75	38.71	38.12	-92.53	-417.53	99.01	794.81	718.23	76.57	10.380		
7,800.00	7,131.59	7,766.83	7,166.31	40.20	39.55	-92.51	-420.76	-0.93	794.54	715.02	79.52	9.991		
7,900.00	7,130.52	7,866.82	7,164.86	41.84	41.12	-92.48	-423.99	-100.87	794.28	711.53	82.75	9.599		
8,000.00	7,129.45	7,966.82	7,163.42	43.60	42.82	-92.45	-427.22	-200.80	794.02	707.79	86.23	9.208		
8,100.00	7,128.38	8,066.82	7,161.98	45.47	44.64	-92.43	-430.45	-300.74	793.76	703.82	89.93	8.826		
8,200.00	7,127.31	8,166.82	7,160.53	47.44	46.56	-92.40	-433.68	-400.68	793.50	699.66	93.84	8.456		
8,300.00	7,126.24	8,266.82	7,159.09	49.49	48.58	-92.38	-436.91	-500.61	793.23	695.32	97.92	8.101		
8,400.00	7,125.17	8,366.82	7,157.65	51.61	50.68	-92.35	-440.14	-600.55	792.97	690.83	102.15	7.763		
8,500.00	7,124.10	8,466.82	7,156.20	53.81	52.84	-92.32	-443.37	-700.49	792.71	686.20	106.51	7.442		
8,600.00	7,123.03	8,566.82	7,154.76	56.06	55.07	-92.30	-446.60	-800.42	792.45	681.45	111.00	7.139		
8,700.00	7,121.96	8,666.82	7,153.32	58.36	57.36	-92.27	-449.83	-900.36	792.19	676.60	115.59	6.853		
8,800.00	7,120.89	8,766.82	7,151.87	60.71	59.69	-92.24	-453.07	-1,000.29	791.93	671.65	120.28	6.584		
8,900.00	7,119.82	8,866.81	7,150.43	63.10	62.06	-92.22	-456.30	-1,100.23	791.67	666.62	125.05	6.331		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	8,966.81	7,148.99	65.53	64.48	-92.19	-459.53	-1,200.17	791.41	661.52	129.89	6.093		
9,100.00	7,117.68	9,066.81	7,147.55	67.98	66.92	-92.17	-462.76	-1,300.10	791.15	656.35	134.80	5.869		
9,200.00	7,116.61	9,166.81	7,146.10	70.47	69.40	-92.14	-465.99	-1,400.04	790.89	651.12	139.76	5.659		
9,300.00	7,115.54	9,266.81	7,144.66	72.98	71.91	-92.11	-469.22	-1,499.98	790.63	645.84	144.78	5.461		
9,400.00	7,114.47	9,366.81	7,143.22	75.52	74.44	-92.09	-472.45	-1,599.91	790.37	640.52	149.85	5.274		
9,500.00	7,113.40	9,466.81	7,141.77	78.08	76.99	-92.06	-475.68	-1,699.85	790.11	635.15	154.96	5.099		
9,600.00	7,112.33	9,566.81	7,140.33	80.65	79.56	-92.03	-478.91	-1,799.79	789.85	629.74	160.11	4.933		
9,700.00	7,111.26	9,666.81	7,138.89	83.25	82.15	-92.01	-482.14	-1,899.72	789.59	624.29	165.30	4.777		
9,800.00	7,110.19	9,766.81	7,137.44	85.86	84.75	-91.98	-485.37	-1,999.66	789.33	618.82	170.51	4.629		
9,900.00	7,109.12	9,866.80	7,136.00	88.48	87.38	-91.95	-488.60	-2,099.60	789.07	613.31	175.76	4.489		
10,000.00	7,108.04	9,966.80	7,134.56	91.12	90.01	-91.93	-491.84	-2,199.53	788.82	607.78	181.03	4.357		
10,100.00	7,106.97	10,066.80	7,133.11	93.77	92.66	-91.90	-495.07	-2,299.47	788.56	602.23	186.33	4.232		
10,200.00	7,105.90	10,166.80	7,131.67	96.43	95.31	-91.87	-498.30	-2,399.40	788.30	596.65	191.65	4.113		
10,300.00	7,104.83	10,266.80	7,130.23	99.10	97.98	-91.85	-501.53	-2,499.34	788.04	591.05	196.99	4.000		
10,400.00	7,103.76	10,366.80	7,128.79	101.78	100.66	-91.82	-504.76	-2,599.28	787.78	585.43	202.35	3.893		
10,500.00	7,102.69	10,466.80	7,127.34	104.47	103.35	-91.80	-507.99	-2,699.21	787.52	579.80	207.73	3.791		
10,600.00	7,101.62	10,566.80	7,125.90	107.16	106.04	-91.77	-511.22	-2,799.15	787.27	574.15	213.12	3.694		
10,700.00	7,100.55	10,666.80	7,124.46	109.87	108.75	-91.74	-514.45	-2,899.09	787.01	568.48	218.53	3.601		
10,800.00	7,099.48	10,766.80	7,123.01	112.58	111.46	-91.72	-517.68	-2,999.02	786.75	562.80	223.95	3.513		
10,900.00	7,098.41	10,866.79	7,121.57	115.29	114.17	-91.69	-520.91	-3,098.96	786.50	557.11	229.38	3.429		
11,000.00	7,097.34	10,966.79	7,120.13	118.02	116.90	-91.66	-524.14	-3,198.90	786.24	551.41	234.83	3.348		
11,100.00	7,096.27	11,066.79	7,118.68	120.74	119.62	-91.64	-527.38	-3,298.83	785.98	545.69	240.29	3.271		
11,200.00	7,095.20	11,166.79	7,117.24	123.48	122.36	-91.61	-530.61	-3,398.77	785.73	539.97	245.76	3.197		
11,300.00	7,094.13	11,266.79	7,115.80	126.22	125.09	-91.58	-533.84	-3,498.70	785.47	534.24	251.23	3.126		
11,400.00	7,093.06	11,366.79	7,114.36	128.96	127.84	-91.56	-537.07	-3,598.64	785.21	528.49	256.72	3.059		
11,500.00	7,091.99	11,466.79	7,112.91	131.71	130.58	-91.53	-540.30	-3,698.58	784.96	522.74	262.22	2.994		
11,600.00	7,090.92	11,566.79	7,111.47	134.46	133.34	-91.50	-543.53	-3,798.51	784.70	516.98	267.72	2.931		
11,700.00	7,089.85	11,666.79	7,110.03	137.21	136.09	-91.48	-546.76	-3,898.45	784.44	511.21	273.23	2.871		
11,800.00	7,088.78	11,766.79	7,108.58	139.97	138.85	-91.45	-549.99	-3,998.39	784.19	505.44	278.75	2.813		
11,900.00	7,087.71	11,866.78	7,107.14	142.73	141.61	-91.42	-553.22	-4,098.32	783.93	499.66	284.27	2.758		
12,000.00	7,086.64	11,966.78	7,105.70	145.50	144.38	-91.40	-556.45	-4,198.26	783.68	493.87	289.81	2.704		
12,100.00	7,085.57	12,066.78	7,104.25	148.26	147.14	-91.37	-559.68	-4,298.20	783.42	488.08	295.34	2.653		
12,200.00	7,084.50	12,166.78	7,102.81	151.03	149.92	-91.34	-562.91	-4,398.13	783.17	482.28	300.89	2.603		
12,300.00	7,083.43	12,266.78	7,101.37	153.81	152.69	-91.31	-566.15	-4,498.07	782.91	476.48	306.44	2.555		
12,400.00	7,082.36	12,366.78	7,099.92	156.58	155.47	-91.29	-569.38	-4,598.00	782.66	470.67	311.99	2.509		
12,500.00	7,081.29	12,466.78	7,098.48	159.36	158.24	-91.26	-572.61	-4,697.94	782.40	464.86	317.55	2.464		
12,600.00	7,080.22	12,566.78	7,097.04	162.14	161.02	-91.23	-575.84	-4,797.88	782.15	459.04	323.11	2.421		
12,700.00	7,079.15	12,666.78	7,095.60	164.92	163.81	-91.21	-579.07	-4,897.81	781.90	453.22	328.68	2.379		
12,800.00	7,078.08	12,766.78	7,094.15	167.71	166.59	-91.18	-582.30	-4,997.75	781.64	447.40	334.25	2.339		
12,900.00	7,077.01	12,866.77	7,092.71	170.49	169.38	-91.15	-585.53	-5,097.69	781.39	441.57	339.82	2.299		
13,000.00	7,075.93	12,966.77	7,091.27	173.28	172.17	-91.13	-588.76	-5,197.62	781.14	435.73	345.40	2.262		
13,100.00	7,074.86	13,066.77	7,089.82	176.07	174.96	-91.10	-591.99	-5,297.56	780.88	429.90	350.98	2.225		
13,200.00	7,073.79	13,166.77	7,088.38	178.86	177.75	-91.07	-595.22	-5,397.50	780.63	424.06	356.57	2.189		
13,300.00	7,072.72	13,266.77	7,086.94	181.65	180.54	-91.05	-598.45	-5,497.43	780.38	418.22	362.16	2.155		
13,400.00	7,071.65	13,366.77	7,085.49	184.45	183.34	-91.02	-601.68	-5,597.37	780.12	412.37	367.75	2.121		
13,500.00	7,070.58	13,466.77	7,084.05	187.25	186.14	-90.99	-604.92	-5,697.30	779.87	406.53	373.34	2.089		
13,600.00	7,069.51	13,566.77	7,082.61	190.04	188.93	-90.96	-608.15	-5,797.24	779.62	400.68	378.94	2.057		
13,700.00	7,068.44	13,666.77	7,081.16	192.84	191.73	-90.94	-611.38	-5,897.18	779.37	394.82	384.54	2.027		
13,800.00	7,067.37	13,766.77	7,079.72	195.64	194.54	-90.91	-614.61	-5,997.11	779.11	388.97	390.14	1.997		
13,900.00	7,066.30	13,866.76	7,078.28	198.44	197.34	-90.88	-617.84	-6,097.05	778.86	383.11	395.75	1.968		
14,000.00	7,065.23	13,966.76	7,076.84	201.24	200.14	-90.86	-621.07	-6,196.99	778.61	377.25	401.36	1.940		
14,100.00	7,064.16	14,066.76	7,075.39	204.05	202.94	-90.83	-624.30	-6,296.92	778.36	371.39	406.97	1.913		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	14,166.76	7,073.95	206.85	205.75	-90.80	-627.53	-6,396.86	778.11	365.53	412.58	1.886		
14,300.00	7,062.02	14,266.76	7,072.51	209.66	208.56	-90.77	-630.76	-6,496.80	777.86	359.66	418.19	1.860		
14,400.00	7,060.95	14,366.76	7,071.06	212.46	211.36	-90.75	-633.99	-6,596.73	777.60	353.80	423.81	1.835		
14,500.00	7,059.88	14,466.76	7,069.62	215.27	214.17	-90.72	-637.22	-6,696.67	777.35	347.93	429.42	1.810		
14,600.00	7,058.81	14,566.76	7,068.18	218.08	216.98	-90.69	-640.45	-6,796.61	777.10	342.06	435.04	1.786		
14,700.00	7,057.74	14,666.76	7,066.73	220.89	219.79	-90.66	-643.69	-6,896.54	776.85	336.19	440.66	1.763		
14,800.00	7,056.67	14,766.76	7,065.29	223.70	222.60	-90.64	-646.92	-6,996.48	776.60	330.32	446.29	1.740		
14,900.00	7,055.60	14,866.75	7,063.85	226.51	225.41	-90.61	-650.15	-7,096.41	776.35	324.44	451.91	1.718		
15,000.00	7,054.53	14,966.75	7,062.40	229.32	228.23	-90.58	-653.38	-7,196.35	776.10	318.57	457.54	1.696		
15,100.00	7,053.46	15,066.75	7,060.96	232.14	231.04	-90.56	-656.61	-7,296.29	775.85	312.69	463.16	1.675		
15,200.00	7,052.39	15,166.75	7,059.52	234.95	233.85	-90.53	-659.84	-7,396.22	775.60	306.81	468.79	1.654		
15,300.00	7,051.32	15,266.75	7,058.08	237.76	236.67	-90.50	-663.07	-7,496.16	775.35	300.93	474.42	1.634		
15,400.00	7,050.25	15,366.75	7,056.63	240.58	239.49	-90.47	-666.30	-7,596.10	775.10	295.05	480.05	1.615		
15,500.00	7,049.18	15,466.75	7,055.19	243.39	242.30	-90.45	-669.53	-7,696.03	774.85	289.17	485.69	1.595		
15,600.00	7,048.11	15,566.75	7,053.75	246.21	245.12	-90.42	-672.76	-7,795.97	774.61	283.29	491.32	1.577		
15,703.32	7,047.00	15,670.07	7,052.26	249.12	248.03	-90.39	-676.10	-7,899.22	774.35	277.21	497.14	1.558		
15,703.90	7,046.99	15,670.65	7,052.25	249.13	248.05	-90.39	-676.12	-7,899.81	774.35	277.17	497.17	1.557 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-44.80	-4.45	45.02					
100.00	100.00	100.00	100.00	3.28	3.28	-174.32	-44.80	-4.45	45.02	38.45	6.57	6.853		
200.00	200.00	200.00	200.00	3.34	3.34	-174.32	-44.80	-4.45	45.02	38.35	6.67	6.746 CC		
300.00	299.87	299.87	299.85	3.44	3.44	-176.53	-45.07	-2.73	45.16	38.27	6.89	6.557 ES		
400.00	399.98	399.58	399.42	3.60	3.60	112.32	-45.89	2.41	46.59	39.39	7.20	6.473		
500.00	499.84	499.09	498.55	3.80	3.80	108.02	-47.24	10.95	50.23	42.63	7.60	6.608		
600.00	599.45	598.44	597.16	4.05	4.05	104.38	-49.12	22.84	56.03	47.94	8.09	6.926		
700.00	698.70	701.83	696.00	4.32	4.33	103.39	-51.21	36.02	63.18	54.53	8.66	7.300		
740.00	738.27	738.05	735.51	4.45	4.45	103.86	-52.05	41.29	66.28	57.39	8.88	7.460		
800.00	797.57	802.15	794.77	4.63	4.65	104.91	-53.30	49.19	71.04	61.76	9.27	7.660		
900.00	896.39	902.49	893.54	4.96	4.99	106.37	-55.38	62.36	79.01	69.07	9.94	7.947		
1,000.00	995.21	1,002.83	992.31	5.32	5.35	107.56	-57.47	75.53	87.02	76.37	10.65	8.169		
1,100.00	1,094.03	1,103.16	1,091.08	5.69	5.72	108.55	-59.56	88.71	95.07	83.67	11.40	8.342		
1,200.00	1,192.86	1,203.50	1,189.84	6.07	6.11	109.38	-61.64	101.88	103.14	90.97	12.17	8.477		
1,300.00	1,291.68	1,303.84	1,288.61	6.47	6.51	110.10	-63.73	115.05	111.23	98.27	12.96	8.583		
1,400.00	1,390.50	1,404.17	1,387.38	6.88	6.92	110.72	-65.81	128.22	119.33	105.56	13.77	8.665		
1,500.00	1,489.33	1,504.51	1,486.14	7.29	7.33	111.26	-67.90	141.39	127.44	112.85	14.60	8.731		
1,600.00	1,588.15	1,604.85	1,584.91	7.71	7.75	111.73	-69.99	154.57	135.57	120.13	15.44	8.782		
1,700.00	1,686.97	1,705.18	1,683.68	8.14	8.18	112.15	-72.07	167.74	143.70	127.41	16.29	8.823		
1,800.00	1,785.79	1,805.52	1,782.45	8.57	8.61	112.53	-74.16	180.91	151.84	134.69	17.15	8.856		
1,900.00	1,884.62	1,905.86	1,881.21	9.01	9.05	112.86	-76.25	194.08	159.99	141.97	18.01	8.882		
2,000.00	1,983.44	2,006.19	1,979.98	9.45	9.49	113.17	-78.33	207.26	168.14	149.25	18.89	8.902		
2,100.00	2,082.26	2,106.53	2,078.75	9.89	9.93	113.44	-80.42	220.43	176.29	156.52	19.77	8.918		
2,200.00	2,181.09	2,206.87	2,177.51	10.33	10.37	113.70	-82.50	233.60	184.45	163.80	20.65	8.931		
2,300.00	2,279.91	2,307.20	2,276.28	10.78	10.82	113.93	-84.59	246.77	192.61	171.07	21.54	8.941		
2,400.00	2,378.73	2,407.54	2,375.05	11.23	11.26	114.14	-86.68	259.94	200.78	178.34	22.44	8.949		
2,500.00	2,477.55	2,507.87	2,473.82	11.68	11.71	114.33	-88.76	273.12	208.94	185.61	23.33	8.955		
2,600.00	2,576.38	2,608.21	2,572.58	12.13	12.16	114.52	-90.85	286.29	217.11	192.88	24.23	8.960		
2,700.00	2,675.20	2,708.55	2,671.35	12.59	12.62	114.68	-92.94	299.46	225.28	200.15	25.14	8.963		
2,800.00	2,774.02	2,808.88	2,770.12	13.04	13.07	114.84	-95.02	312.63	233.46	207.42	26.04	8.965		
2,900.00	2,872.85	2,909.22	2,868.88	13.50	13.52	114.98	-97.11	325.80	241.63	214.68	26.95	8.966		
3,000.00	2,971.67	3,009.56	2,967.65	13.96	13.98	115.12	-99.19	338.98	249.81	221.95	27.86	8.967		
3,100.00	3,070.49	3,109.89	3,066.42	14.41	14.44	115.25	-101.28	352.15	257.98	229.21	28.77	8.967		
3,200.00	3,169.31	3,189.77	3,165.19	14.87	14.80	115.37	-103.37	365.32	266.16	236.57	29.59	8.995		
3,300.00	3,268.14	3,289.43	3,263.95	15.33	15.26	115.48	-105.45	378.49	274.34	243.84	30.50	8.994		
3,400.00	3,366.96	3,389.10	3,362.72	15.79	15.71	115.58	-107.54	391.66	282.52	251.11	31.41	8.993		
3,500.00	3,465.78	3,488.76	3,461.49	16.25	16.17	115.68	-109.63	404.84	290.70	258.38	32.33	8.992		
3,600.00	3,564.61	3,588.42	3,560.26	16.72	16.62	115.78	-111.71	418.01	298.89	265.64	33.24	8.991		
3,700.00	3,663.43	3,688.09	3,659.02	17.18	17.08	115.87	-113.80	431.18	307.07	272.91	34.16	8.989		
3,800.00	3,762.25	3,787.75	3,757.79	17.64	17.54	115.95	-115.88	444.35	315.25	280.18	35.08	8.987		
3,900.00	3,861.07	3,887.41	3,856.56	18.10	18.00	116.03	-117.97	457.53	323.44	287.44	36.00	8.985		
4,000.00	3,959.90	3,987.08	3,955.32	18.57	18.46	116.11	-120.06	470.70	331.62	294.71	36.91	8.983		
4,100.00	4,058.72	4,086.74	4,054.09	19.03	18.91	116.18	-122.14	483.87	339.81	301.97	37.83	8.981		
4,200.00	4,157.54	4,186.41	4,152.86	19.50	19.37	116.25	-124.23	497.04	348.00	309.24	38.76	8.979		
4,300.00	4,256.37	4,286.07	4,251.63	19.96	19.83	116.32	-126.32	510.21	356.18	316.51	39.68	8.977		
4,400.00	4,355.19	4,385.73	4,350.39	20.43	20.29	116.38	-128.40	523.39	364.37	323.77	40.60	8.975		
4,500.00	4,454.01	4,485.40	4,449.16	20.89	20.75	116.44	-130.49	536.56	372.56	331.04	41.52	8.973		
4,600.00	4,552.83	4,585.06	4,547.93	21.36	21.21	116.50	-132.58	549.73	380.74	338.30	42.44	8.971		
4,700.00	4,651.66	4,684.72	4,646.69	21.82	21.67	116.55	-134.66	562.90	388.93	345.57	43.37	8.968		
4,800.00	4,750.48	4,784.39	4,745.46	22.29	22.14	116.61	-136.75	576.07	397.12	352.83	44.29	8.966		
4,900.00	4,849.30	4,884.05	4,844.23	22.76	22.60	116.66	-138.83	589.25	405.31	360.09	45.22	8.964		
5,000.00	4,948.13	4,983.71	4,943.00	23.22	23.06	116.71	-140.92	602.42	413.50	367.36	46.14	8.962		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,083.38	5,041.76	23.69	23.52	116.75	-143.01	615.59	421.69	374.62	47.07	8.959		
5,200.00	5,145.77	5,183.04	5,140.53	24.16	23.98	116.80	-145.09	628.76	429.88	381.89	47.99	8.957		
5,300.00	5,244.59	5,282.70	5,239.30	24.62	24.44	116.84	-147.18	641.93	438.07	389.15	48.92	8.955		
5,400.00	5,343.42	5,382.37	5,338.06	25.09	24.91	116.88	-149.27	655.11	446.26	396.42	49.84	8.953		
5,500.00	5,442.24	5,482.03	5,436.83	25.56	25.37	116.93	-151.35	668.28	454.45	403.68	50.77	8.951		
5,600.00	5,541.06	5,581.69	5,535.60	26.03	25.83	116.96	-153.44	681.45	462.64	410.94	51.70	8.949		
5,700.00	5,639.89	5,681.36	5,634.37	26.50	26.29	117.00	-155.52	694.62	470.83	418.21	52.63	8.947		
5,800.00	5,738.71	5,781.02	5,733.13	26.96	26.76	117.04	-157.61	707.80	479.02	425.47	53.55	8.945		
5,900.00	5,837.53	5,880.68	5,831.90	27.43	27.22	117.07	-159.70	720.97	487.21	432.73	54.48	8.943		
6,000.00	5,936.35	5,980.35	5,930.67	27.90	27.68	117.11	-161.78	734.14	495.41	440.00	55.41	8.941		
6,100.00	6,035.18	6,080.01	6,029.43	28.37	28.14	117.14	-163.87	747.31	503.60	447.26	56.34	8.939		
6,200.00	6,134.00	6,179.68	6,128.20	28.84	28.61	117.17	-165.96	760.48	511.79	454.52	57.27	8.937		
6,300.00	6,232.82	6,279.34	6,226.97	29.31	29.07	117.20	-168.04	773.66	519.98	461.79	58.19	8.935		
6,400.00	6,331.64	6,372.44	6,319.58	29.77	29.48	117.62	-170.13	782.38	528.63	469.59	59.04	8.954		
6,477.15	6,407.89	6,440.78	6,387.84	30.14	29.74	118.80	-171.98	780.50	536.55	476.95	59.60	9.002		
6,500.00	6,430.52	6,460.55	6,407.50	30.24	29.82	125.70	-172.56	778.60	539.13	479.37	59.76	9.022		
6,550.00	6,480.31	6,503.41	6,449.88	30.46	29.97	162.48	-173.89	772.37	544.87	484.81	60.06	9.072		
6,600.00	6,530.22	6,545.77	6,491.25	30.66	30.13	-127.86	-175.30	763.44	550.70	490.38	60.32	9.130		
6,650.00	6,579.93	6,587.68	6,531.51	30.85	30.28	-101.90	-176.77	751.90	556.55	496.00	60.55	9.192		
6,700.00	6,629.13	6,629.18	6,570.55	31.04	30.44	-92.30	-178.30	737.90	562.36	501.60	60.75	9.256		
6,750.00	6,677.53	6,670.33	6,608.26	31.23	30.60	-87.18	-179.89	721.53	568.06	507.12	60.94	9.322		
6,800.00	6,724.83	6,711.16	6,644.56	31.43	30.76	-83.85	-181.52	702.92	573.60	512.50	61.11	9.387		
6,850.00	6,770.73	6,751.72	6,679.35	31.63	30.92	-81.43	-183.19	682.17	578.93	517.67	61.26	9.450		
6,900.00	6,814.95	6,792.03	6,712.55	31.84	31.09	-79.57	-184.89	659.39	584.00	522.58	61.42	9.508		
6,950.00	6,857.22	6,832.14	6,744.09	32.06	31.28	-78.08	-186.62	634.68	588.76	527.16	61.59	9.559		
7,000.00	6,897.28	6,872.07	6,773.88	32.29	31.47	-76.87	-188.37	608.15	593.17	531.38	61.79	9.600		
7,050.00	6,934.88	6,911.87	6,801.86	32.54	31.67	-75.89	-190.14	579.91	597.19	535.18	62.01	9.630		
7,100.00	6,969.79	6,951.56	6,827.94	32.81	31.89	-75.09	-191.92	550.05	600.81	538.52	62.28	9.646		
7,150.00	7,001.79	6,991.18	6,852.07	33.11	32.13	-74.46	-193.70	518.69	603.98	541.35	62.62	9.645		
7,200.00	7,030.69	7,030.75	6,874.18	33.44	32.39	-73.98	-195.48	485.93	606.68	543.65	63.04	9.624		
7,250.00	7,056.31	7,070.30	6,894.19	33.81	32.68	-73.63	-197.26	451.87	608.91	545.38	63.54	9.584		
7,300.00	7,078.48	7,109.87	6,912.06	34.21	32.98	-73.42	-199.02	416.62	610.65	546.52	64.13	9.522		
7,350.00	7,097.08	7,150.00	6,927.91	34.65	33.32	-73.33	-200.79	379.79	611.89	547.06	64.83	9.438		
7,400.00	7,112.00	7,189.15	6,941.10	35.12	33.67	-73.36	-202.49	342.98	612.64	547.01	65.63	9.335		
7,450.00	7,123.12	7,228.92	6,952.16	35.64	34.06	-73.51	-204.18	304.82	612.88	546.34	66.54	9.210		
7,500.00	7,130.40	7,268.82	6,960.84	36.19	34.47	-73.77	-205.84	265.92	612.63	545.08	67.55	9.069		
7,550.00	7,133.78	7,308.88	6,967.09	36.77	34.91	-74.15	-207.46	226.39	611.90	543.25	68.65	8.913		
7,574.97	7,134.00	7,328.96	6,969.27	37.06	35.13	-74.38	-208.25	206.45	611.36	542.13	69.24	8.830		
7,600.00	7,133.73	7,349.16	6,970.84	37.37	35.36	-74.54	-209.03	186.32	610.87	541.04	69.83	8.748		
7,651.32	7,133.18	7,390.84	6,972.05	38.06	35.86	-74.69	-210.60	144.70	610.46	539.41	71.05	8.592		
7,700.00	7,132.66	7,438.13	6,971.46	38.71	36.47	-74.69	-212.32	97.44	610.56	538.28	72.28	8.447		
7,800.00	7,131.59	7,538.13	6,970.15	40.20	37.85	-74.67	-215.97	-2.48	610.79	535.72	75.07	8.136		
7,900.00	7,130.52	7,638.13	6,968.83	41.84	39.38	-74.65	-219.61	-102.41	611.02	532.87	78.15	7.818		
8,000.00	7,129.45	7,738.13	6,967.52	43.60	41.06	-74.64	-223.26	-202.33	611.25	529.76	81.48	7.501		
8,100.00	7,128.38	7,838.13	6,966.20	45.47	42.86	-74.62	-226.90	-302.26	611.47	526.43	85.04	7.190		
8,200.00	7,127.31	7,938.13	6,964.89	47.44	44.77	-74.60	-230.55	-402.18	611.70	522.90	88.80	6.889		
8,300.00	7,126.24	8,038.13	6,963.57	49.49	46.78	-74.58	-234.19	-502.11	611.93	519.20	92.73	6.599		
8,400.00	7,125.17	8,138.13	6,962.26	51.61	48.87	-74.56	-237.84	-602.03	612.15	515.35	96.81	6.324		
8,500.00	7,124.10	8,238.13	6,960.94	53.81	51.03	-74.55	-241.48	-701.96	612.38	511.36	101.02	6.062		
8,600.00	7,123.03	8,338.13	6,959.63	56.06	53.25	-74.53	-245.13	-801.88	612.61	507.26	105.35	5.815		
8,700.00	7,121.96	8,438.13	6,958.31	58.36	55.53	-74.51	-248.77	-901.81	612.84	503.05	109.79	5.582		
8,800.00	7,120.89	8,538.13	6,957.00	60.71	57.87	-74.49	-252.42	-1,001.73	613.06	498.75	114.31	5.363		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	8,638.13	6,955.69	63.10	60.24	-74.47	-256.06	-1,101.65	613.29	494.37	118.92	5.157		
9,000.00	7,118.75	8,738.13	6,954.37	65.53	62.66	-74.46	-259.71	-1,201.58	613.52	489.92	123.60	4.964		
9,100.00	7,117.68	8,838.13	6,953.06	67.98	65.10	-74.44	-263.35	-1,301.50	613.74	485.41	128.34	4.782		
9,200.00	7,116.61	8,938.13	6,951.74	70.47	67.58	-74.42	-267.00	-1,401.43	613.97	480.84	133.14	4.612		
9,300.00	7,115.54	9,038.13	6,950.43	72.98	70.09	-74.40	-270.64	-1,501.35	614.20	476.22	137.98	4.451		
9,400.00	7,114.47	9,138.13	6,949.11	75.52	72.62	-74.39	-274.29	-1,601.28	614.43	471.55	142.88	4.300		
9,500.00	7,113.40	9,238.13	6,947.80	78.08	75.18	-74.37	-277.93	-1,701.20	614.66	466.84	147.81	4.158		
9,600.00	7,112.33	9,338.13	6,946.48	80.65	77.75	-74.35	-281.58	-1,801.13	614.88	462.10	152.79	4.024		
9,700.00	7,111.26	9,438.12	6,945.17	83.25	80.34	-74.33	-285.22	-1,901.05	615.11	457.32	157.79	3.898		
9,800.00	7,110.19	9,538.12	6,943.85	85.86	82.95	-74.31	-288.87	-2,000.97	615.34	452.51	162.83	3.779		
9,900.00	7,109.12	9,638.12	6,942.54	88.48	85.58	-74.30	-292.51	-2,100.90	615.57	447.68	167.89	3.667		
10,000.00	7,108.04	9,738.12	6,941.22	91.12	88.21	-74.28	-296.16	-2,200.82	615.80	442.82	172.97	3.560		
10,100.00	7,106.97	9,838.12	6,939.91	93.77	90.86	-74.26	-299.80	-2,300.75	616.02	437.94	178.08	3.459		
10,200.00	7,105.90	9,938.12	6,938.60	96.43	93.52	-74.24	-303.45	-2,400.67	616.25	433.04	183.21	3.364		
10,300.00	7,104.83	10,038.12	6,937.28	99.10	96.20	-74.23	-307.09	-2,500.60	616.48	428.12	188.36	3.273		
10,400.00	7,103.76	10,138.12	6,935.97	101.78	98.88	-74.21	-310.74	-2,600.52	616.71	423.18	193.53	3.187		
10,500.00	7,102.69	10,238.12	6,934.65	104.47	101.57	-74.19	-314.38	-2,700.45	616.94	418.23	198.71	3.105		
10,600.00	7,101.62	10,338.12	6,933.34	107.16	104.26	-74.17	-318.03	-2,800.37	617.16	413.26	203.91	3.027		
10,700.00	7,100.55	10,438.12	6,932.02	109.87	106.97	-74.16	-321.67	-2,900.29	617.39	408.28	209.12	2.952		
10,800.00	7,099.48	10,538.12	6,930.71	112.58	109.68	-74.14	-325.32	-3,000.22	617.62	403.28	214.34	2.882		
10,900.00	7,098.41	10,638.12	6,929.39	115.29	112.40	-74.12	-328.96	-3,100.14	617.85	398.28	219.57	2.814		
11,000.00	7,097.34	10,738.12	6,928.08	118.02	115.12	-74.10	-332.61	-3,200.07	618.08	393.26	224.82	2.749		
11,100.00	7,096.27	10,838.12	6,926.76	120.74	117.85	-74.09	-336.25	-3,299.99	618.31	388.24	230.07	2.687		
11,200.00	7,095.20	10,938.12	6,925.45	123.48	120.59	-74.07	-339.90	-3,399.92	618.54	383.20	235.33	2.628		
11,300.00	7,094.13	11,038.12	6,924.13	126.22	123.33	-74.05	-343.54	-3,499.84	618.77	378.16	240.61	2.572		
11,400.00	7,093.06	11,138.12	6,922.82	128.96	126.07	-74.03	-347.19	-3,599.77	618.99	373.11	245.89	2.517		
11,500.00	7,091.99	11,238.12	6,921.50	131.71	128.82	-74.02	-350.83	-3,699.69	619.22	368.05	251.17	2.465		
11,600.00	7,090.92	11,338.12	6,920.19	134.46	131.57	-74.00	-354.48	-3,799.61	619.45	362.99	256.47	2.415		
11,700.00	7,089.85	11,438.12	6,918.88	137.21	134.33	-73.98	-358.12	-3,899.54	619.68	357.92	261.76	2.367		
11,800.00	7,088.78	11,538.12	6,917.56	139.97	137.09	-73.96	-361.77	-3,999.46	619.91	352.84	267.07	2.321		
11,900.00	7,087.71	11,638.12	6,916.25	142.73	139.85	-73.95	-365.41	-4,099.39	620.14	347.76	272.38	2.277		
12,000.00	7,086.64	11,738.11	6,914.93	145.50	142.62	-73.93	-369.06	-4,199.31	620.37	342.67	277.70	2.234		
12,100.00	7,085.57	11,838.11	6,913.62	148.26	145.39	-73.91	-372.70	-4,299.24	620.60	337.58	283.02	2.193		
12,200.00	7,084.50	11,938.11	6,912.30	151.03	148.16	-73.89	-376.35	-4,399.16	620.83	332.48	288.34	2.153		
12,300.00	7,083.43	12,038.11	6,910.99	153.81	150.93	-73.88	-379.99	-4,499.09	621.06	327.38	293.67	2.115		
12,400.00	7,082.36	12,138.11	6,909.67	156.58	153.71	-73.86	-383.64	-4,599.01	621.29	322.28	299.01	2.078		
12,500.00	7,081.29	12,238.11	6,908.36	159.36	156.49	-73.84	-387.28	-4,698.93	621.52	317.17	304.34	2.042		
12,600.00	7,080.22	12,338.11	6,907.04	162.14	159.27	-73.83	-390.93	-4,798.86	621.74	312.06	309.68	2.008		
12,700.00	7,079.15	12,438.11	6,905.73	164.92	162.06	-73.81	-394.57	-4,898.78	621.97	306.95	315.03	1.974		
12,800.00	7,078.08	12,538.11	6,904.41	167.71	164.84	-73.79	-398.22	-4,998.71	622.20	301.83	320.37	1.942		
12,900.00	7,077.01	12,638.11	6,903.10	170.49	167.63	-73.77	-401.86	-5,098.63	622.43	296.71	325.72	1.911		
13,000.00	7,075.93	12,738.11	6,901.78	173.28	170.42	-73.76	-405.51	-5,198.56	622.66	291.59	331.07	1.881		
13,100.00	7,074.86	12,838.11	6,900.47	176.07	173.21	-73.74	-409.15	-5,298.48	622.89	286.46	336.43	1.851		
13,200.00	7,073.79	12,938.11	6,899.16	178.86	176.00	-73.72	-412.80	-5,398.41	623.12	281.34	341.79	1.823		
13,300.00	7,072.72	13,038.11	6,897.84	181.65	178.80	-73.70	-416.44	-5,498.33	623.35	276.21	347.14	1.796		
13,400.00	7,071.65	13,138.11	6,896.53	184.45	181.59	-73.69	-420.09	-5,598.25	623.58	271.08	352.51	1.769		
13,500.00	7,070.58	13,238.11	6,895.21	187.25	184.39	-73.67	-423.73	-5,698.18	623.81	265.94	357.87	1.743		
13,600.00	7,069.51	13,338.11	6,893.90	190.04	187.19	-73.65	-427.38	-5,798.10	624.04	260.81	363.23	1.718		
13,700.00	7,068.44	13,438.11	6,892.58	192.84	189.99	-73.64	-431.02	-5,898.03	624.27	255.67	368.60	1.694		
13,800.00	7,067.37	13,538.11	6,891.27	195.64	192.79	-73.62	-434.67	-5,997.95	624.50	250.54	373.97	1.670		
13,900.00	7,066.30	13,638.11	6,889.95	198.44	195.59	-73.60	-438.31	-6,097.88	624.73	245.40	379.34	1.647		
14,000.00	7,065.23	13,738.11	6,888.64	201.24	198.39	-73.58	-441.96	-6,197.80	624.96	240.26	384.71	1.625		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	13,838.11	6,887.32	204.05	201.20	-73.57	-445.60	-6,297.73	625.19	235.12	390.08	1.603		
14,200.00	7,063.09	13,938.11	6,886.01	206.85	204.00	-73.55	-449.25	-6,397.65	625.43	229.97	395.45	1.582		
14,300.00	7,062.02	14,038.10	6,884.69	209.66	206.81	-73.53	-452.89	-6,497.57	625.66	224.83	400.82	1.561		
14,400.00	7,060.95	14,138.10	6,883.38	212.46	209.62	-73.52	-456.54	-6,597.50	625.89	219.69	406.20	1.541		
14,500.00	7,059.88	14,238.10	6,882.07	215.27	212.42	-73.50	-460.18	-6,697.42	626.12	214.54	411.58	1.521		
14,600.00	7,058.81	14,338.10	6,880.75	218.08	215.23	-73.48	-463.83	-6,797.35	626.35	209.40	416.95	1.502		
14,700.00	7,057.74	14,438.10	6,879.44	220.89	218.04	-73.46	-467.47	-6,897.27	626.58	204.25	422.33	1.484 Level 3		
14,800.00	7,056.67	14,538.10	6,878.12	223.70	220.85	-73.45	-471.12	-6,997.20	626.81	199.10	427.71	1.466 Level 3		
14,900.00	7,055.60	14,638.10	6,876.81	226.51	223.67	-73.43	-474.76	-7,097.12	627.04	193.95	433.09	1.448 Level 3		
15,000.00	7,054.53	14,738.10	6,875.49	229.32	226.48	-73.41	-478.41	-7,197.05	627.27	188.81	438.47	1.431 Level 3		
15,100.00	7,053.46	14,838.10	6,874.18	232.14	229.29	-73.40	-482.05	-7,296.97	627.50	183.66	443.85	1.414 Level 3		
15,200.00	7,052.39	14,938.10	6,872.86	234.95	232.10	-73.38	-485.70	-7,396.90	627.73	178.51	449.23	1.397 Level 3		
15,300.00	7,051.32	15,038.10	6,871.55	237.76	234.92	-73.36	-489.34	-7,496.82	627.96	173.36	454.61	1.381 Level 3		
15,400.00	7,050.25	15,138.10	6,870.23	240.58	237.73	-73.35	-492.99	-7,596.74	628.19	168.21	459.99	1.366 Level 3		
15,500.00	7,049.18	15,238.10	6,868.92	243.39	240.55	-73.33	-496.63	-7,696.67	628.43	163.06	465.37	1.350 Level 3		
15,600.00	7,048.11	15,338.10	6,867.60	246.21	243.37	-73.31	-500.28	-7,796.59	628.66	157.91	470.75	1.335 Level 3		
15,703.32	7,047.00	15,441.42	6,866.25	249.12	246.28	-73.29	-504.04	-7,899.83	628.90	152.58	476.31	1.320 Level 3		
15,703.90	7,046.99	15,442.00	6,866.24	249.13	246.29	-73.29	-504.06	-7,900.42	628.90	152.55	476.34	1.320 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6.59	74.69	8.63	75.18					
100.00	100.00	100.00	100.00	3.28	3.28	6.59	74.69	8.63	75.18	68.61	6.57	11.444		
200.00	200.00	200.00	200.00	3.34	3.34	6.59	74.69	8.63	75.18	68.51	6.67	11.265		
300.00	300.00	300.00	300.00	3.44	3.44	6.59	74.69	8.63	75.18	68.29	6.89	10.912 CC, ES		
400.00	399.98	397.45	397.43	3.60	3.60	-61.38	76.34	8.52	76.01	68.80	7.21	10.543		
500.00	499.84	494.67	494.52	3.80	3.80	-65.17	81.28	8.17	78.72	71.09	7.63	10.322 SF		
600.00	599.45	591.43	590.93	4.05	4.03	-70.84	89.46	7.61	83.95	75.83	8.13	10.332		
700.00	698.70	687.52	686.34	4.32	4.30	-77.53	100.79	6.82	92.52	83.83	8.69	10.648		
740.00	738.27	725.72	724.16	4.45	4.41	-80.27	106.18	6.45	97.03	88.11	8.93	10.870		
800.00	797.57	783.07	780.78	4.63	4.59	-84.16	115.21	5.82	105.13	95.84	9.29	11.311		
900.00	896.39	881.37	877.74	4.96	4.91	-89.48	131.40	4.70	120.24	110.32	9.92	12.118		
1,000.00	995.21	979.68	974.70	5.32	5.24	-93.60	147.58	3.58	136.14	125.55	10.59	12.855		
1,100.00	1,094.03	1,077.98	1,071.66	5.69	5.60	-96.85	163.77	2.46	152.59	141.29	11.29	13.510		
1,200.00	1,192.86	1,176.29	1,168.61	6.07	5.97	-99.47	179.95	1.34	169.42	157.39	12.03	14.087		
1,300.00	1,291.68	1,274.60	1,265.57	6.47	6.35	-101.61	196.14	0.22	186.54	173.75	12.78	14.592		
1,400.00	1,390.50	1,372.90	1,362.53	6.88	6.75	-103.39	212.33	-0.90	203.86	190.30	13.56	15.035		
1,500.00	1,489.33	1,471.21	1,459.49	7.29	7.15	-104.89	228.51	-2.02	221.35	207.00	14.35	15.423		
1,600.00	1,588.15	1,569.51	1,556.44	7.71	7.56	-106.17	244.70	-3.14	238.97	223.81	15.16	15.764		
1,700.00	1,686.97	1,667.82	1,653.40	8.14	7.97	-107.27	260.89	-4.26	256.68	240.70	15.98	16.065		
1,800.00	1,785.79	1,766.13	1,750.36	8.57	8.39	-108.24	277.07	-5.38	274.48	257.67	16.81	16.332		
1,900.00	1,884.62	1,864.43	1,847.32	9.01	8.82	-109.08	293.26	-6.50	292.34	274.70	17.64	16.569		
2,000.00	1,983.44	1,962.74	1,944.27	9.45	9.24	-109.83	309.45	-7.62	310.26	291.77	18.49	16.781		
2,100.00	2,082.26	2,061.04	2,041.23	9.89	9.67	-110.50	325.63	-8.74	328.22	308.88	19.34	16.972		
2,200.00	2,181.09	2,159.35	2,138.19	10.33	10.11	-111.09	341.82	-9.86	346.22	326.02	20.20	17.143		
2,300.00	2,279.91	2,257.65	2,235.15	10.78	10.54	-111.63	358.01	-10.98	364.25	343.19	21.06	17.298		
2,400.00	2,378.73	2,355.96	2,332.11	11.23	10.98	-112.12	374.19	-12.10	382.31	360.39	21.92	17.439		
2,500.00	2,477.55	2,454.27	2,429.06	11.68	11.42	-112.56	390.38	-13.22	400.40	377.60	22.79	17.567		
2,600.00	2,576.38	2,552.57	2,526.02	12.13	11.86	-112.97	406.56	-14.34	418.50	394.84	23.67	17.684		
2,700.00	2,675.20	2,650.88	2,622.98	12.59	12.30	-113.34	422.75	-15.47	436.63	412.09	24.54	17.791		
2,800.00	2,774.02	2,749.18	2,719.94	13.04	12.74	-113.68	438.94	-16.59	454.77	429.35	25.42	17.889		
2,900.00	2,872.85	2,847.49	2,816.89	13.50	13.19	-114.00	455.12	-17.71	472.93	446.62	26.30	17.980		
3,000.00	2,971.67	2,945.80	2,913.85	13.96	13.64	-114.29	471.31	-18.83	491.10	463.91	27.19	18.064		
3,100.00	3,070.49	3,044.10	3,010.81	14.41	14.08	-114.56	487.50	-19.95	509.28	481.20	28.07	18.142		
3,200.00	3,169.31	3,142.41	3,107.77	14.87	14.53	-114.81	503.68	-21.07	527.47	498.51	28.96	18.214		
3,300.00	3,268.14	3,240.71	3,204.72	15.33	14.98	-115.05	519.87	-22.19	545.67	515.82	29.85	18.281		
3,400.00	3,366.96	3,339.02	3,301.68	15.79	15.43	-115.27	536.06	-23.31	563.88	533.14	30.74	18.344		
3,500.00	3,465.78	3,437.32	3,398.64	16.25	15.88	-115.48	552.24	-24.43	582.09	550.46	31.63	18.403		
3,600.00	3,564.61	3,535.63	3,495.60	16.72	16.33	-115.67	568.43	-25.55	600.31	567.79	32.52	18.458		
3,700.00	3,663.43	3,633.94	3,592.55	17.18	16.78	-115.85	584.61	-26.67	618.54	585.13	33.42	18.509		
3,800.00	3,762.25	3,732.24	3,689.51	17.64	17.23	-116.03	600.80	-27.79	636.78	602.47	34.31	18.558		
3,900.00	3,861.07	3,830.55	3,786.47	18.10	17.68	-116.19	616.99	-28.91	655.02	619.81	35.21	18.603		
4,000.00	3,959.90	3,928.85	3,883.43	18.57	18.14	-116.34	633.17	-30.03	673.26	637.16	36.11	18.646		
4,100.00	4,058.72	4,027.16	3,980.39	19.03	18.59	-116.49	649.36	-31.15	691.51	654.51	37.01	18.687		
4,200.00	4,157.54	4,125.47	4,077.34	19.50	19.04	-116.63	665.55	-32.27	709.77	671.86	37.90	18.725		
4,300.00	4,256.37	4,223.77	4,174.30	19.96	19.50	-116.76	681.73	-33.39	728.02	689.22	38.80	18.761		
4,400.00	4,355.19	4,322.08	4,271.26	20.43	19.95	-116.88	697.92	-34.51	746.29	706.58	39.70	18.796		
4,500.00	4,454.01	4,420.38	4,368.22	20.89	20.40	-117.00	714.11	-35.63	764.55	723.94	40.61	18.829		
4,600.00	4,552.83	4,518.69	4,465.17	21.36	20.86	-117.12	730.29	-36.76	782.82	741.31	41.51	18.860		
4,700.00	4,651.66	4,616.99	4,562.13	21.82	21.31	-117.22	746.48	-37.88	801.09	758.68	42.41	18.889		
4,800.00	4,750.48	4,715.30	4,659.09	22.29	21.77	-117.33	762.67	-39.00	819.36	776.05	43.31	18.917		
4,900.00	4,849.30	4,813.61	4,756.05	22.76	22.22	-117.43	778.85	-40.12	837.64	793.42	44.22	18.944		
5,000.00	4,948.13	4,911.91	4,853.00	23.22	22.68	-117.52	795.04	-41.24	855.91	810.79	45.12	18.970		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,010.22	4,949.96	23.69	23.14	-117.61	811.22	-42.36	874.19	828.17	46.02	18.994		
5,200.00	5,145.77	5,108.52	5,046.92	24.16	23.59	-117.70	827.41	-43.48	892.47	845.55	46.93	19.018		
5,300.00	5,244.59	5,206.83	5,143.88	24.62	24.05	-117.78	843.60	-44.60	910.76	862.92	47.83	19.040		
5,400.00	5,343.42	5,305.14	5,240.83	25.09	24.50	-117.86	859.78	-45.72	929.04	880.30	48.74	19.062		
5,500.00	5,442.24	5,403.44	5,337.79	25.56	24.96	-117.94	875.97	-46.84	947.33	897.69	49.64	19.082		
5,600.00	5,541.06	5,501.75	5,434.75	26.03	25.42	-118.01	892.16	-47.96	965.62	915.07	50.55	19.102		
5,700.00	5,639.89	5,600.05	5,531.71	26.50	25.87	-118.09	908.34	-49.08	983.91	932.45	51.46	19.121		
5,800.00	5,738.71	5,701.64	5,628.66	26.96	26.35	-118.15	924.53	-50.20	1,002.20	949.82	52.38	19.134		
5,900.00	5,837.53	5,803.34	5,725.62	27.43	26.82	-118.22	940.72	-51.32	1,020.49	967.19	53.30	19.146		
6,000.00	5,936.35	5,894.97	5,822.58	27.90	27.25	-118.29	956.90	-52.44	1,038.79	984.61	54.18	19.173		
6,100.00	6,035.18	6,006.72	5,919.54	28.37	27.77	-118.35	973.09	-53.56	1,057.08	1,001.94	55.15	19.168		
6,200.00	6,134.00	7,487.65	6,832.21	28.84	37.64	-75.24	1,127.49	787.43	1,049.18	1,003.38	45.80	22.906		
6,300.00	6,232.82	7,502.74	6,832.37	29.31	37.88	-74.11	1,127.55	802.52	981.51	931.97	49.54	19.811		
6,400.00	6,331.64	7,517.82	6,832.53	29.77	38.13	-72.97	1,127.61	817.61	919.50	865.94	53.55	17.170		
6,477.15	6,407.89	7,529.47	6,832.65	30.14	38.32	-72.09	1,127.66	829.25	876.29	819.53	56.76	15.439		
6,500.00	6,430.52	7,532.51	6,832.68	30.24	38.37	-64.37	1,127.68	832.29	864.35	806.64	57.71	14.977		
6,550.00	6,480.31	7,536.32	6,832.72	30.46	38.43	-26.16	1,127.69	836.10	839.71	779.96	59.74	14.056		
6,600.00	6,530.22	7,536.21	6,832.72	30.66	38.43	44.39	1,127.69	835.99	817.41	755.74	61.66	13.256		
6,650.00	6,579.93	7,532.18	6,832.67	30.85	38.36	70.69	1,127.67	831.97	797.80	734.36	63.43	12.577		
6,700.00	6,629.13	7,524.26	6,832.59	31.04	38.23	80.09	1,127.64	824.04	781.14	716.13	65.01	12.016		
6,750.00	6,677.53	7,512.49	6,832.47	31.23	38.04	84.50	1,127.59	812.28	767.61	701.27	66.34	11.571		
6,800.00	6,724.83	7,503.05	6,832.31	31.43	37.88	86.63	1,127.53	796.74	757.28	689.78	67.50	11.219		
6,850.00	6,770.73	7,477.73	6,832.11	31.63	37.49	87.42	1,127.45	777.52	750.13	681.93	68.20	10.999		
6,900.00	6,814.95	7,454.95	6,831.88	31.84	37.15	87.27	1,127.36	754.74	746.01	677.30	68.71	10.858		
6,950.00	6,857.22	7,428.75	6,831.61	32.06	36.75	86.44	1,127.25	728.54	744.67	675.74	68.93	10.804		
6,951.00	6,858.04	7,428.20	6,831.60	32.06	36.75	86.41	1,127.25	727.99	744.67	675.74	68.93	10.803		
7,000.00	6,897.28	7,400.70	6,831.30	32.29	36.33	85.08	1,127.13	699.09	745.79	676.87	68.92	10.821		
7,050.00	6,934.88	7,366.77	6,830.97	32.54	35.87	83.34	1,126.99	666.56	748.98	680.27	68.71	10.901		
7,100.00	6,969.79	7,331.36	6,830.60	32.81	35.40	81.34	1,126.85	631.16	753.80	685.44	68.36	11.027		
7,150.00	7,001.79	7,306.70	6,830.21	33.11	35.07	79.22	1,126.69	593.10	759.81	691.74	68.07	11.162		
7,200.00	7,030.69	7,254.99	6,829.56	33.44	34.43	77.14	1,126.49	554.80	766.60	699.16	67.44	11.367		
7,250.00	7,056.31	7,218.99	6,827.18	33.81	34.02	75.15	1,126.01	518.88	774.02	707.01	67.01	11.551		
7,300.00	7,078.48	7,183.75	6,822.91	34.21	33.63	73.18	1,125.21	483.92	781.93	715.34	66.59	11.743		
7,350.00	7,097.08	7,150.00	6,817.03	34.65	33.27	71.29	1,124.15	450.70	790.19	723.98	66.21	11.934		
7,400.00	7,112.00	7,115.22	6,809.18	35.12	32.93	69.40	1,122.76	416.86	798.65	732.76	65.88	12.122		
7,450.00	7,123.12	7,081.76	6,799.91	35.64	32.61	67.60	1,121.13	384.75	807.16	741.54	65.63	12.299		
7,500.00	7,130.40	7,050.00	6,789.58	36.19	32.33	65.92	1,119.34	354.77	815.61	750.14	65.47	12.458		
7,550.00	7,133.78	7,016.15	6,776.96	36.77	32.05	64.25	1,117.15	323.44	823.86	758.51	65.35	12.606		
7,574.97	7,134.00	7,000.00	6,770.37	37.06	31.92	63.47	1,116.02	308.74	827.87	762.54	65.33	12.671		
7,600.00	7,133.73	6,984.03	6,763.49	37.37	31.80	63.03	1,114.84	294.38	832.00	766.66	65.34	12.734		
7,700.00	7,132.66	6,924.05	6,734.53	38.71	31.39	61.19	1,109.88	242.11	851.61	786.20	65.41	13.020		
7,800.00	7,131.59	6,870.18	6,704.49	40.20	31.11	59.30	1,104.75	197.71	876.64	811.08	65.57	13.370		
7,900.00	7,130.52	6,822.19	6,674.69	41.84	31.01	57.48	1,099.69	160.44	907.48	841.67	65.81	13.789		
8,000.00	7,129.45	6,779.62	6,646.01	43.60	30.90	55.76	1,094.83	129.38	944.26	878.14	66.12	14.281		
8,100.00	7,128.38	6,750.00	6,624.87	45.47	30.83	54.53	1,091.25	108.95	986.97	920.31	66.66	14.806		
8,200.00	7,127.31	6,700.00	6,587.14	47.44	30.69	52.38	1,084.87	76.78	1,035.22	968.57	66.64	15.533		
8,300.00	7,126.24	6,678.94	6,570.53	49.49	30.62	51.46	1,082.07	64.15	1,088.61	1,021.39	67.22	16.195		
8,400.00	7,125.17	6,650.00	6,547.04	51.61	30.53	50.19	1,078.11	47.72	1,146.85	1,079.32	67.53	16.983		
8,500.00	7,124.10	6,629.08	6,529.62	53.81	30.46	49.26	1,075.17	36.53	1,209.39	1,141.46	67.93	17.803		
8,600.00	7,123.03	6,600.00	6,504.81	56.06	30.36	47.97	1,070.99	21.94	1,275.84	1,207.76	68.09	18.739		
8,700.00	7,121.96	6,600.00	6,504.81	58.36	30.36	47.97	1,070.99	21.94	1,345.69	1,276.98	68.72	19.583		
8,800.00	7,120.89	6,572.02	6,480.34	60.71	30.26	46.74	1,066.88	9.01	1,418.38	1,349.60	68.77	20.623		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	6,550.00	6,460.71	63.10	30.18	45.77	1,063.58	-0.40	1,493.88	1,424.99	68.89	21.685		
9,000.00	7,118.75	6,550.00	6,460.71	65.53	30.18	45.77	1,063.58	-0.40	1,571.68	1,502.38	69.29	22.682		
9,100.00	7,117.68	6,529.69	6,442.32	67.98	30.10	44.88	1,060.49	-8.46	1,651.46	1,582.12	69.35	23.815		
9,200.00	7,116.61	6,517.96	6,431.60	70.47	30.06	44.37	1,058.69	-12.84	1,733.12	1,663.63	69.48	24.942		
9,300.00	7,115.54	6,500.00	6,415.02	72.98	29.99	43.60	1,055.90	-19.16	1,816.42	1,746.91	69.52	26.130		
9,400.00	7,114.47	6,500.00	6,415.02	75.52	29.99	43.60	1,055.90	-19.16	1,901.05	1,831.31	69.74	27.261		
9,500.00	7,113.40	6,500.00	6,415.02	78.08	29.99	43.60	1,055.90	-19.16	1,987.10	1,917.19	69.92	28.421		
9,600.00	7,112.33	6,479.69	6,396.07	80.65	29.91	42.73	1,052.72	-25.74	2,074.02	2,004.15	69.86	29.687		
9,700.00	7,111.26	6,471.84	6,388.68	83.25	29.88	42.40	1,051.48	-28.11	2,162.06	2,092.14	69.92	30.920		
9,800.00	7,110.19	6,450.00	6,368.01	85.86	29.79	41.48	1,048.02	-34.23	2,251.20	2,181.36	69.84	32.233		
9,900.00	7,109.12	6,450.00	6,368.01	88.48	29.79	41.48	1,048.02	-34.23	2,340.80	2,270.85	69.95	33.463		
10,000.00	7,108.04	6,450.00	6,368.01	91.12	29.79	41.48	1,048.02	-34.23	2,431.21	2,361.16	70.05	34.709		
10,100.00	7,106.97	6,450.00	6,368.01	93.77	29.79	41.48	1,048.02	-34.23	2,522.34	2,452.22	70.13	35.969		
10,200.00	7,105.90	6,450.00	6,368.01	96.43	29.79	41.48	1,048.02	-34.23	2,614.12	2,543.93	70.19	37.241		
10,300.00	7,104.83	6,450.00	6,368.01	99.10	29.79	41.48	1,048.02	-34.23	2,706.49	2,636.23	70.25	38.525		
10,400.00	7,103.76	6,429.61	6,348.54	101.78	29.70	40.64	1,044.75	-39.30	2,798.99	2,728.83	70.16	39.894		
10,500.00	7,102.69	6,424.95	6,344.06	104.47	29.68	40.45	1,044.00	-40.37	2,892.16	2,821.98	70.18	41.211		
10,600.00	7,101.62	6,420.55	6,339.83	107.16	29.66	40.27	1,043.29	-41.34	2,985.74	2,915.54	70.20	42.535		
10,700.00	7,100.55	6,400.00	6,319.99	109.87	29.58	39.44	1,039.97	-45.52	3,079.93	3,009.82	70.10	43.933		
10,800.00	7,099.48	6,400.00	6,319.99	112.58	29.58	39.44	1,039.97	-45.52	3,174.11	3,103.96	70.15	45.249		
10,900.00	7,098.41	6,400.00	6,319.99	115.29	29.58	39.44	1,039.97	-45.52	3,268.64	3,198.45	70.19	46.571		
11,000.00	7,097.34	6,400.00	6,319.99	118.02	29.58	39.44	1,039.97	-45.52	3,363.48	3,293.26	70.22	47.899		
11,100.00	7,096.27	6,400.00	6,319.99	120.74	29.58	39.44	1,039.97	-45.52	3,458.62	3,388.36	70.25	49.230		
11,200.00	7,095.20	6,400.00	6,319.99	123.48	29.58	39.44	1,039.97	-45.52	3,554.02	3,483.73	70.28	50.566		
11,300.00	7,094.13	6,400.00	6,319.99	126.22	29.58	39.44	1,039.97	-45.52	3,649.67	3,579.35	70.31	51.906		
11,400.00	7,093.06	6,400.00	6,319.99	128.96	29.58	39.44	1,039.97	-45.52	3,745.54	3,675.20	70.34	53.248		
11,500.00	7,091.99	6,400.00	6,319.99	131.71	29.58	39.44	1,039.97	-45.52	3,841.63	3,771.26	70.37	54.593		
11,600.00	7,090.92	6,400.00	6,319.99	134.46	29.58	39.44	1,039.97	-45.52	3,937.91	3,867.51	70.40	55.940		
11,700.00	7,089.85	6,400.00	6,319.99	137.21	29.58	39.44	1,039.97	-45.52	4,034.37	3,963.95	70.42	57.289		
11,800.00	7,088.78	6,400.00	6,319.99	139.97	29.58	39.44	1,039.97	-45.52	4,131.00	4,060.55	70.45	58.639		
11,900.00	7,087.71	6,400.00	6,319.99	142.73	29.58	39.44	1,039.97	-45.52	4,227.78	4,157.31	70.47	59.991		
12,000.00	7,086.64	6,377.49	6,298.11	145.50	29.48	38.55	1,036.31	-49.34	4,324.27	4,253.88	70.39	61.429		
12,100.00	7,085.57	6,375.33	6,296.01	148.26	29.47	38.46	1,035.96	-49.67	4,421.25	4,350.84	70.41	62.791		
12,200.00	7,084.50	6,373.25	6,293.98	151.03	29.46	38.38	1,035.62	-49.98	4,518.36	4,447.92	70.43	64.152		
12,300.00	7,083.43	6,350.00	6,271.23	153.81	29.36	37.48	1,031.81	-52.95	4,615.97	4,545.62	70.35	65.611		
12,400.00	7,082.36	6,350.00	6,271.23	156.58	29.36	37.48	1,031.81	-52.95	4,713.23	4,642.85	70.39	66.963		
12,500.00	7,081.29	6,350.00	6,271.23	159.36	29.36	37.48	1,031.81	-52.95	4,810.61	4,740.19	70.42	68.316		
12,600.00	7,080.22	6,350.00	6,271.23	162.14	29.36	37.48	1,031.81	-52.95	4,908.09	4,837.64	70.45	69.668		
12,700.00	7,079.15	6,350.00	6,271.23	164.92	29.36	37.48	1,031.81	-52.95	5,005.67	4,935.18	70.48	71.020		
12,800.00	7,078.08	6,350.00	6,271.23	167.71	29.36	37.48	1,031.81	-52.95	5,103.34	5,032.82	70.52	72.371		
12,900.00	7,077.01	6,350.00	6,271.23	170.49	29.36	37.48	1,031.81	-52.95	5,201.10	5,130.55	70.55	73.722		
13,000.00	7,075.93	6,350.00	6,271.23	173.28	29.36	37.48	1,031.81	-52.95	5,298.94	5,228.36	70.59	75.071		
13,100.00	7,074.86	6,350.00	6,271.23	176.07	29.36	37.48	1,031.81	-52.95	5,396.87	5,326.25	70.62	76.420		
13,200.00	7,073.79	6,350.00	6,271.23	178.86	29.36	37.48	1,031.81	-52.95	5,494.87	5,424.21	70.66	77.768		
13,300.00	7,072.72	6,350.00	6,271.23	181.65	29.36	37.48	1,031.81	-52.95	5,592.94	5,522.24	70.69	79.114		
13,400.00	7,071.65	6,350.00	6,271.23	184.45	29.36	37.48	1,031.81	-52.95	5,691.07	5,620.34	70.73	80.459		
13,500.00	7,070.58	6,350.00	6,271.23	187.25	29.36	37.48	1,031.81	-52.95	5,789.27	5,718.50	70.77	81.803		
13,600.00	7,069.51	6,350.00	6,271.23	190.04	29.36	37.48	1,031.81	-52.95	5,887.53	5,816.72	70.81	83.144		
13,700.00	7,068.44	6,350.00	6,271.23	192.84	29.36	37.48	1,031.81	-52.95	5,985.85	5,915.00	70.85	84.485		
13,800.00	7,067.37	6,350.00	6,271.23	195.64	29.36	37.48	1,031.81	-52.95	6,084.22	6,013.33	70.89	85.823		
13,900.00	7,066.30	6,350.00	6,271.23	198.44	29.36	37.48	1,031.81	-52.95	6,182.65	6,111.71	70.94	87.159		
14,000.00	7,065.23	6,350.00	6,271.23	201.24	29.36	37.48	1,031.81	-52.95	6,281.12	6,210.15	70.98	88.494		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
14,100.00	7,064.16	6,350.00	6,271.23	204.05	29.36	37.48	1,031.81	-52.95	6,379.65	6,308.62	71.02	89.826			
14,200.00	7,063.09	6,350.00	6,271.23	206.85	29.36	37.48	1,031.81	-52.95	6,478.22	6,407.15	71.07	91.156			
14,300.00	7,062.02	6,350.00	6,271.23	209.66	29.36	37.48	1,031.81	-52.95	6,576.83	6,505.71	71.11	92.484			
14,400.00	7,060.95	6,350.00	6,271.23	212.46	29.36	37.48	1,031.81	-52.95	6,675.48	6,604.32	71.16	93.809			
14,500.00	7,059.88	6,350.00	6,271.23	215.27	29.36	37.48	1,031.81	-52.95	6,774.17	6,702.96	71.21	95.132			
14,600.00	7,058.81	6,350.00	6,271.23	218.08	29.36	37.48	1,031.81	-52.95	6,872.90	6,801.64	71.26	96.453			
14,700.00	7,057.74	6,350.00	6,271.23	220.89	29.36	37.48	1,031.81	-52.95	6,971.67	6,900.36	71.31	97.771			
14,800.00	7,056.67	6,350.00	6,271.23	223.70	29.36	37.48	1,031.81	-52.95	7,070.47	6,999.11	71.36	99.086			
14,900.00	7,055.60	6,350.00	6,271.23	226.51	29.36	37.48	1,031.81	-52.95	7,169.30	7,097.89	71.41	100.399			
15,000.00	7,054.53	6,350.00	6,271.23	229.32	29.36	37.48	1,031.81	-52.95	7,268.17	7,196.71	71.46	101.709			
15,100.00	7,053.46	6,350.00	6,271.23	232.14	29.36	37.48	1,031.81	-52.95	7,367.06	7,295.55	71.51	103.016			
15,200.00	7,052.39	6,350.00	6,271.23	234.95	29.36	37.48	1,031.81	-52.95	7,465.99	7,394.42	71.57	104.320			
15,300.00	7,051.32	6,350.00	6,271.23	237.76	29.36	37.48	1,031.81	-52.95	7,564.94	7,493.32	71.62	105.621			
15,400.00	7,050.25	6,350.00	6,271.23	240.58	29.36	37.48	1,031.81	-52.95	7,663.92	7,592.25	71.68	106.920			
15,500.00	7,049.18	6,350.00	6,271.23	243.39	29.36	37.48	1,031.81	-52.95	7,762.93	7,691.20	71.74	108.215			
15,600.00	7,048.11	6,350.00	6,271.23	246.21	29.36	37.48	1,031.81	-52.95	7,861.96	7,790.17	71.79	109.507			
15,703.32	7,047.00	6,350.00	6,271.23	249.12	29.36	37.48	1,031.81	-52.95	7,964.31	7,892.46	71.85	110.839			
15,703.90	7,046.99	6,350.00	6,271.23	249.13	29.36	37.48	1,031.81	-52.95	7,964.89	7,893.03	71.85	110.847			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	89.63	8.91	90.07					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	89.63	8.91	90.07	83.50	6.57	13.710		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	89.63	8.91	90.07	83.39	6.67	13.495 CC, ES		
300.00	300.00	296.95	296.93	3.44	3.44	5.52	91.26	8.82	91.74	84.84	6.90	13.303		
400.00	399.98	393.69	393.55	3.60	3.60	-62.37	96.16	8.58	95.94	88.71	7.23	13.270		
500.00	499.84	490.04	489.55	3.80	3.79	-65.34	104.28	8.17	102.05	94.39	7.66	13.327		
600.00	599.45	585.78	584.61	4.05	4.03	-69.56	115.53	7.60	110.52	102.36	8.16	13.540		
700.00	698.70	680.73	678.48	4.32	4.30	-74.45	129.82	6.87	121.92	113.19	8.73	13.970		
740.00	738.27	720.09	717.29	4.45	4.41	-76.59	136.37	6.54	127.15	118.19	8.96	14.197		
800.00	797.57	779.09	775.46	4.63	4.59	-79.80	146.20	6.04	135.25	125.93	9.31	14.525		
900.00	896.39	877.42	872.41	4.96	4.91	-84.35	162.57	5.21	149.54	139.60	9.94	15.045		
1,000.00	995.21	975.75	969.36	5.32	5.25	-88.10	178.95	4.38	164.61	153.99	10.61	15.508		
1,100.00	1,094.03	1,074.08	1,066.32	5.69	5.61	-91.22	195.33	3.55	180.25	168.93	11.32	15.920		
1,200.00	1,192.86	1,172.41	1,163.27	6.07	5.99	-93.83	211.71	2.72	196.34	184.28	12.06	16.282		
1,300.00	1,291.68	1,270.74	1,260.22	6.47	6.38	-96.05	228.08	1.89	212.76	199.95	12.82	16.599		
1,400.00	1,390.50	1,369.07	1,357.18	6.88	6.77	-97.95	244.46	1.06	229.46	215.86	13.60	16.876		
1,500.00	1,489.33	1,467.40	1,454.13	7.29	7.18	-99.59	260.84	0.23	246.36	231.97	14.39	17.118		
1,600.00	1,588.15	1,565.73	1,551.08	7.71	7.59	-101.03	277.22	-0.60	263.44	248.24	15.20	17.331		
1,700.00	1,686.97	1,664.06	1,648.04	8.14	8.01	-102.28	293.59	-1.42	280.66	264.64	16.02	17.518		
1,800.00	1,785.79	1,762.39	1,744.99	8.57	8.43	-103.39	309.97	-2.25	298.00	281.15	16.85	17.683		
1,900.00	1,884.62	1,860.72	1,841.94	9.01	8.85	-104.38	326.35	-3.08	315.43	297.74	17.69	17.830		
2,000.00	1,983.44	1,959.05	1,938.90	9.45	9.28	-105.27	342.73	-3.91	332.95	314.41	18.54	17.960		
2,100.00	2,082.26	2,057.38	2,035.85	9.89	9.71	-106.07	359.10	-4.74	350.53	331.14	19.39	18.077		
2,200.00	2,181.09	2,155.71	2,132.80	10.33	10.15	-106.79	375.48	-5.57	368.17	347.92	20.25	18.182		
2,300.00	2,279.91	2,254.04	2,229.76	10.78	10.59	-107.44	391.86	-6.40	385.87	364.76	21.11	18.277		
2,400.00	2,378.73	2,352.37	2,326.71	11.23	11.03	-108.04	408.24	-7.23	403.61	381.63	21.98	18.363		
2,500.00	2,477.55	2,450.70	2,423.66	11.68	11.47	-108.59	424.61	-8.06	421.39	398.54	22.85	18.441		
2,600.00	2,576.38	2,549.03	2,520.62	12.13	11.91	-109.09	440.99	-8.89	439.20	415.47	23.73	18.511		
2,700.00	2,675.20	2,647.36	2,617.57	12.59	12.35	-109.55	457.37	-9.72	457.04	432.44	24.60	18.576		
2,800.00	2,774.02	2,745.69	2,714.52	13.04	12.80	-109.98	473.75	-10.55	474.91	449.43	25.48	18.636		
2,900.00	2,872.85	2,844.02	2,811.48	13.50	13.24	-110.38	490.12	-11.38	492.81	466.44	26.37	18.690		
3,000.00	2,971.67	2,942.35	2,908.43	13.96	13.69	-110.75	506.50	-12.21	510.72	483.47	27.25	18.741		
3,100.00	3,070.49	3,040.69	3,005.38	14.41	14.14	-111.10	522.88	-13.04	528.66	500.52	28.14	18.787		
3,200.00	3,169.31	3,139.02	3,102.34	14.87	14.59	-111.42	539.25	-13.87	546.61	517.58	29.03	18.831		
3,300.00	3,268.14	3,237.35	3,199.29	15.33	15.04	-111.72	555.63	-14.70	564.58	534.66	29.92	18.871		
3,400.00	3,366.96	3,335.68	3,296.24	15.79	15.49	-112.00	572.01	-15.53	582.56	551.75	30.81	18.908		
3,500.00	3,465.78	3,434.01	3,393.20	16.25	15.94	-112.27	588.39	-16.36	600.56	568.85	31.70	18.943		
3,600.00	3,564.61	3,532.34	3,490.15	16.72	16.39	-112.52	604.76	-17.19	618.56	585.97	32.60	18.975		
3,700.00	3,663.43	3,630.67	3,587.10	17.18	16.84	-112.76	621.14	-18.02	636.58	603.09	33.49	19.006		
3,800.00	3,762.25	3,729.00	3,684.06	17.64	17.29	-112.98	637.52	-18.85	654.61	620.22	34.39	19.035		
3,900.00	3,861.07	3,827.33	3,781.01	18.10	17.75	-113.19	653.90	-19.68	672.65	637.36	35.29	19.061		
4,000.00	3,959.90	3,925.66	3,877.96	18.57	18.20	-113.39	670.27	-20.51	690.69	654.50	36.19	19.087		
4,100.00	4,058.72	4,023.99	3,974.92	19.03	18.65	-113.58	686.65	-21.34	708.74	671.66	37.09	19.111		
4,200.00	4,157.54	4,122.32	4,071.87	19.50	19.11	-113.76	703.03	-22.17	726.80	688.82	37.99	19.133		
4,300.00	4,256.37	4,220.65	4,168.82	19.96	19.56	-113.94	719.41	-23.00	744.87	705.98	38.89	19.154		
4,400.00	4,355.19	4,318.98	4,265.78	20.43	20.02	-114.10	735.78	-23.83	762.95	723.16	39.79	19.174		
4,500.00	4,454.01	4,417.31	4,362.73	20.89	20.47	-114.26	752.16	-24.65	781.02	740.33	40.69	19.194		
4,600.00	4,552.83	4,515.64	4,459.68	21.36	20.93	-114.41	768.54	-25.48	799.11	757.51	41.59	19.212		
4,700.00	4,651.66	4,613.97	4,556.64	21.82	21.38	-114.55	784.92	-26.31	817.20	774.70	42.50	19.229		
4,800.00	4,750.48	4,712.30	4,653.59	22.29	21.84	-114.69	801.29	-27.14	835.29	791.89	43.40	19.245		
4,900.00	4,849.30	4,810.63	4,750.54	22.76	22.30	-114.82	817.67	-27.97	853.39	809.08	44.31	19.261		
5,000.00	4,948.13	4,908.96	4,847.50	23.22	22.75	-114.94	834.05	-28.80	871.49	826.28	45.21	19.276		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,007.29	4,944.45	23.69	23.21	-115.06	850.43	-29.63	889.60	843.48	46.12	19.290		
5,200.00	5,145.77	5,105.62	5,041.40	24.16	23.67	-115.18	866.80	-30.46	907.71	860.69	47.02	19.303		
5,300.00	5,244.59	5,203.95	5,138.36	24.62	24.12	-115.29	883.18	-31.29	925.82	877.89	47.93	19.316		
5,400.00	5,343.42	5,302.28	5,235.31	25.09	24.58	-115.39	899.56	-32.12	943.94	895.10	48.84	19.329		
5,500.00	5,442.24	5,400.61	5,332.26	25.56	25.04	-115.50	915.94	-32.95	962.06	912.32	49.74	19.341		
5,600.00	5,541.06	5,498.94	5,429.22	26.03	25.50	-115.60	932.31	-33.78	980.18	929.53	50.65	19.352		
5,700.00	5,639.89	5,602.73	5,526.17	26.50	25.98	-115.69	948.69	-34.61	998.31	946.72	51.58	19.353		
5,800.00	5,738.71	5,704.40	5,623.12	26.96	26.45	-115.78	965.07	-35.44	1,016.43	963.93	52.51	19.358		
5,900.00	5,837.53	5,806.07	5,720.08	27.43	26.93	-115.87	981.45	-36.27	1,034.57	981.14	53.43	19.363		
6,000.00	5,936.35	5,907.74	5,817.03	27.90	27.40	-115.96	997.82	-37.10	1,052.70	998.34	54.35	19.367		
6,100.00	6,035.18	6,009.40	5,913.98	28.37	27.87	-116.04	1,014.20	-37.93	1,070.83	1,015.55	55.28	19.372		
6,200.00	6,134.00	6,088.93	6,010.94	28.84	28.24	-116.12	1,030.58	-38.76	1,088.97	1,032.87	56.10	19.411		
6,300.00	6,232.82	6,187.26	6,107.89	29.31	28.70	-116.20	1,046.96	-39.59	1,107.11	1,050.10	57.01	19.420		
6,400.00	6,331.64	6,284.09	6,957.27	29.77	28.31	-74.37	1,200.44	808.14	1,050.65	999.68	50.97	20.614		
6,477.15	6,407.89	7,635.77	6,957.39	30.14	38.50	-73.56	1,200.60	819.83	1,003.38	949.48	53.90	18.617		
6,500.00	6,430.52	7,638.83	6,957.43	30.24	38.55	-65.64	1,200.64	822.88	990.05	935.27	54.78	18.075		
6,550.00	6,480.31	7,642.66	6,957.47	30.46	38.61	-26.96	1,200.69	826.72	961.98	905.30	56.68	16.972		
6,600.00	6,530.22	7,642.58	6,957.46	30.66	38.61	44.12	1,200.69	826.64	935.73	877.20	58.53	15.987		
6,650.00	6,579.93	7,638.58	6,957.42	30.85	38.54	71.01	1,200.64	822.63	911.62	851.32	60.30	15.119		
6,700.00	6,629.13	7,630.68	6,957.34	31.04	38.42	81.04	1,200.53	814.74	889.91	827.96	61.95	14.365		
6,750.00	6,677.53	7,618.94	6,957.22	31.23	38.23	86.11	1,200.37	802.99	870.83	807.38	63.45	13.724		
6,800.00	6,724.83	7,603.41	6,957.06	31.43	37.98	88.94	1,200.17	787.47	854.52	789.74	64.77	13.192		
6,850.00	6,770.73	7,584.21	6,956.86	31.63	37.70	90.45	1,199.91	768.28	841.02	775.10	65.92	12.758		
6,900.00	6,814.95	7,561.45	6,956.63	31.84	37.38	91.06	1,199.60	745.52	830.33	763.47	66.85	12.420		
6,950.00	6,857.22	7,535.27	6,956.36	32.06	37.00	90.98	1,199.25	719.34	822.31	754.75	67.56	12.171		
7,000.00	6,897.28	7,505.83	6,956.05	32.29	36.58	90.38	1,198.85	689.90	816.79	748.74	68.05	12.003		
7,050.00	6,934.88	7,473.31	6,955.72	32.54	36.15	89.38	1,198.42	657.39	813.50	745.12	68.38	11.897		
7,100.00	6,969.79	7,437.91	6,955.35	32.81	35.70	88.09	1,197.94	622.00	812.13	743.58	68.55	11.848		
7,117.06	6,981.04	7,425.22	6,955.22	32.92	35.54	87.60	1,197.77	609.30	812.04	743.47	68.57	11.842 SF		
7,150.00	7,001.79	7,399.33	6,954.95	33.11	35.22	86.58	1,197.42	583.41	812.34	743.77	68.57	11.847		
7,200.00	7,030.69	7,354.92	6,952.70	33.44	34.71	84.75	1,196.52	539.09	813.65	745.16	68.49	11.879		
7,250.00	7,056.31	7,312.45	6,947.71	33.81	34.24	82.91	1,195.18	496.93	815.83	747.44	68.40	11.928		
7,300.00	7,078.48	7,271.60	6,940.30	34.21	33.82	81.06	1,193.46	456.80	818.81	750.52	68.29	11.990		
7,350.00	7,097.08	7,232.13	6,930.74	34.65	33.44	79.23	1,191.40	418.58	822.48	754.30	68.18	12.063		
7,400.00	7,112.00	7,193.86	6,919.26	35.12	33.10	77.42	1,189.03	382.15	826.75	758.66	68.09	12.142		
7,450.00	7,123.12	7,156.61	6,906.04	35.64	32.79	75.63	1,186.39	347.43	831.51	763.49	68.02	12.224		
7,500.00	7,130.40	7,120.24	6,891.21	36.19	32.51	73.87	1,183.50	314.36	836.64	768.65	67.99	12.305		
7,550.00	7,133.78	7,084.65	6,874.93	36.77	32.25	72.17	1,180.38	282.87	842.04	774.04	68.00	12.383		
7,574.97	7,134.00	7,067.14	6,866.28	37.06	32.14	71.33	1,178.74	267.73	844.80	776.77	68.02	12.419		
7,600.00	7,133.73	7,050.00	6,857.42	37.37	32.03	70.74	1,177.07	253.15	847.72	779.67	68.05	12.457		
7,700.00	7,132.66	6,986.67	6,821.42	38.71	31.81	68.38	1,170.38	201.52	862.58	794.32	68.26	12.637		
7,800.00	7,131.59	6,931.70	6,786.18	40.20	31.68	66.09	1,163.94	159.84	883.20	814.66	68.54	12.885		
7,900.00	7,130.52	6,884.15	6,752.94	41.84	31.56	63.98	1,157.93	126.39	910.19	841.30	68.88	13.214		
8,000.00	7,129.45	6,850.00	6,727.59	43.60	31.46	62.39	1,153.38	103.97	943.83	874.43	69.40	13.601		
8,100.00	7,128.38	6,800.00	6,688.42	45.47	31.31	60.00	1,146.40	73.71	983.98	914.51	69.48	14.163		
8,200.00	7,127.31	6,776.54	6,669.25	47.44	31.23	58.85	1,143.01	60.61	1,030.31	960.30	70.00	14.718		
8,300.00	7,126.24	6,750.00	6,647.02	49.49	31.15	57.54	1,139.09	46.67	1,082.46	1,012.10	70.36	15.384		
8,400.00	7,125.17	6,725.79	6,626.25	51.61	31.06	56.34	1,135.44	34.78	1,139.86	1,069.19	70.67	16.130		
8,500.00	7,124.10	6,700.00	6,603.65	53.81	30.97	55.06	1,131.48	23.00	1,201.95	1,131.10	70.85	16.965		
8,600.00	7,123.03	6,686.27	6,591.43	56.06	30.92	54.37	1,129.35	17.12	1,268.14	1,196.96	71.17	17.817		
8,700.00	7,121.96	6,669.70	6,576.52	58.36	30.85	53.55	1,126.75	10.37	1,337.98	1,266.61	71.37	18.747		
8,800.00	7,120.89	6,650.00	6,558.58	60.71	30.78	52.58	1,123.63	2.87	1,411.03	1,339.57	71.46	19.747		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	6,650.00	6,558.58	63.10	30.78	52.58	1,123.63	2.87	1,486.87	1,415.09	71.78	20.714		
9,000.00	7,118.75	6,629.37	6,539.55	65.53	30.70	51.56	1,120.33	-4.38	1,565.01	1,493.25	71.76	21.808		
9,100.00	7,117.68	6,618.39	6,529.33	67.98	30.65	51.02	1,118.56	-7.99	1,645.34	1,573.50	71.84	22.902		
9,200.00	7,116.61	6,600.00	6,512.08	70.47	30.58	50.13	1,115.58	-13.62	1,727.59	1,655.79	71.80	24.062		
9,300.00	7,115.54	6,600.00	6,512.08	72.98	30.58	50.13	1,115.58	-13.62	1,811.32	1,739.37	71.95	25.174		
9,400.00	7,114.47	6,600.00	6,512.08	75.52	30.58	50.13	1,115.58	-13.62	1,896.63	1,824.56	72.07	26.316		
9,500.00	7,113.40	6,600.00	6,512.08	78.08	30.58	50.13	1,115.58	-13.62	1,983.32	1,911.16	72.16	27.484		
9,600.00	7,112.33	6,575.90	6,489.24	80.65	30.48	48.96	1,111.64	-20.23	2,070.65	1,998.65	72.00	28.758		
9,700.00	7,111.26	6,569.27	6,482.92	83.25	30.45	48.65	1,110.55	-21.89	2,159.25	2,087.24	72.01	29.986		
9,800.00	7,110.19	6,550.00	6,464.44	85.86	30.37	47.73	1,107.37	-26.35	2,248.89	2,177.00	71.89	31.283		
9,900.00	7,109.12	6,550.00	6,464.44	88.48	30.37	47.73	1,107.37	-26.35	2,339.04	2,267.10	71.94	32.515		
10,000.00	7,108.04	6,550.00	6,464.44	91.12	30.37	47.73	1,107.37	-26.35	2,429.97	2,357.99	71.98	33.761		
10,100.00	7,106.97	6,550.00	6,464.44	93.77	30.37	47.73	1,107.37	-26.35	2,521.58	2,449.58	72.00	35.020		
10,200.00	7,105.90	6,550.00	6,464.44	96.43	30.37	47.73	1,107.37	-26.35	2,613.81	2,541.78	72.03	36.289		
10,300.00	7,104.83	6,550.00	6,464.44	99.10	30.37	47.73	1,107.37	-26.35	2,706.59	2,634.55	72.04	37.569		
10,400.00	7,103.76	6,550.00	6,464.44	101.78	30.37	47.73	1,107.37	-26.35	2,799.87	2,727.81	72.06	38.857		
10,500.00	7,102.69	6,529.91	6,445.04	104.47	30.28	46.79	1,104.05	-30.39	2,893.22	2,821.29	71.93	40.223		
10,600.00	7,101.62	6,526.22	6,441.47	107.16	30.27	46.62	1,103.44	-31.06	2,987.21	2,915.29	71.92	41.537		
10,700.00	7,100.55	6,522.74	6,438.10	109.87	30.25	46.46	1,102.86	-31.68	3,081.55	3,009.65	71.90	42.857		
10,800.00	7,099.48	6,500.00	6,415.96	112.58	30.15	45.42	1,099.08	-35.25	3,176.56	3,104.80	71.77	44.262		
10,900.00	7,098.41	6,500.00	6,415.96	115.29	30.15	45.42	1,099.08	-35.25	3,271.43	3,199.65	71.78	45.576		
11,000.00	7,097.34	6,500.00	6,415.96	118.02	30.15	45.42	1,099.08	-35.25	3,366.59	3,294.80	71.79	46.895		
11,100.00	7,096.27	6,500.00	6,415.96	120.74	30.15	45.42	1,099.08	-35.25	3,462.03	3,390.22	71.80	48.217		
11,200.00	7,095.20	6,500.00	6,415.96	123.48	30.15	45.42	1,099.08	-35.25	3,557.71	3,485.90	71.81	49.543		
11,300.00	7,094.13	6,500.00	6,415.96	126.22	30.15	45.42	1,099.08	-35.25	3,653.63	3,581.81	71.82	50.871		
11,400.00	7,093.06	6,500.00	6,415.96	128.96	30.15	45.42	1,099.08	-35.25	3,749.76	3,677.93	71.83	52.202		
11,500.00	7,091.99	6,500.00	6,415.96	131.71	30.15	45.42	1,099.08	-35.25	3,846.08	3,774.24	71.84	53.536		
11,600.00	7,090.92	6,500.00	6,415.96	134.46	30.15	45.42	1,099.08	-35.25	3,942.59	3,870.74	71.85	54.871		
11,700.00	7,089.85	6,500.00	6,415.96	137.21	30.15	45.42	1,099.08	-35.25	4,039.27	3,967.41	71.86	56.207		
11,800.00	7,088.78	6,500.00	6,415.96	139.97	30.15	45.42	1,099.08	-35.25	4,136.11	4,064.24	71.88	57.545		
11,900.00	7,087.71	6,500.00	6,415.96	142.73	30.15	45.42	1,099.08	-35.25	4,233.10	4,161.21	71.89	58.883		
12,000.00	7,086.64	6,500.00	6,415.96	145.50	30.15	45.42	1,099.08	-35.25	4,330.22	4,258.32	71.90	60.223		
12,100.00	7,085.57	6,500.00	6,415.96	148.26	30.15	45.42	1,099.08	-35.25	4,427.47	4,355.55	71.92	61.562		
12,200.00	7,084.50	6,500.00	6,415.96	151.03	30.15	45.42	1,099.08	-35.25	4,524.84	4,452.91	71.93	62.902		
12,300.00	7,083.43	6,500.00	6,415.96	153.81	30.15	45.42	1,099.08	-35.25	4,622.32	4,550.37	71.95	64.242		
12,400.00	7,082.36	6,500.00	6,415.96	156.58	30.15	45.42	1,099.08	-35.25	4,719.91	4,647.94	71.97	65.581		
12,500.00	7,081.29	6,500.00	6,415.96	159.36	30.15	45.42	1,099.08	-35.25	4,817.60	4,745.61	71.99	66.921		
12,600.00	7,080.22	6,500.00	6,415.96	162.14	30.15	45.42	1,099.08	-35.25	4,915.38	4,843.37	72.01	68.260		
12,700.00	7,079.15	6,500.00	6,415.96	164.92	30.15	45.42	1,099.08	-35.25	5,013.24	4,941.21	72.03	69.598		
12,800.00	7,078.08	6,477.69	6,394.13	167.71	30.05	44.42	1,095.35	-37.97	5,110.76	5,038.81	71.95	71.032		
12,900.00	7,077.01	6,476.35	6,392.82	170.49	30.04	44.36	1,095.13	-38.11	5,208.74	5,136.77	71.97	72.374		
13,000.00	7,075.93	6,475.06	6,391.55	173.28	30.04	44.30	1,094.92	-38.24	5,306.78	5,234.79	71.99	73.716		
13,100.00	7,074.86	6,473.82	6,390.33	176.07	30.03	44.24	1,094.71	-38.36	5,404.90	5,332.89	72.01	75.056		
13,200.00	7,073.79	6,472.61	6,389.15	178.86	30.03	44.19	1,094.51	-38.48	5,503.08	5,431.05	72.03	76.395		
13,300.00	7,072.72	6,450.00	6,366.93	181.65	29.93	43.20	1,090.73	-40.26	5,601.72	5,529.76	71.96	77.844		
13,400.00	7,071.65	6,450.00	6,366.93	184.45	29.93	43.20	1,090.73	-40.26	5,699.98	5,627.99	71.99	79.175		
13,500.00	7,070.58	6,450.00	6,366.93	187.25	29.93	43.20	1,090.73	-40.26	5,798.31	5,726.28	72.03	80.504		
13,600.00	7,069.51	6,450.00	6,366.93	190.04	29.93	43.20	1,090.73	-40.26	5,896.68	5,824.62	72.06	81.831		
13,700.00	7,068.44	6,450.00	6,366.93	192.84	29.93	43.20	1,090.73	-40.26	5,995.11	5,923.02	72.09	83.156		
13,800.00	7,067.37	6,450.00	6,366.93	195.64	29.93	43.20	1,090.73	-40.26	6,093.60	6,021.47	72.13	84.480		
13,900.00	7,066.30	6,450.00	6,366.93	198.44	29.93	43.20	1,090.73	-40.26	6,192.13	6,119.96	72.17	85.802		
14,000.00	7,065.23	6,450.00	6,366.93	201.24	29.93	43.20	1,090.73	-40.26	6,290.70	6,218.50	72.21	87.121		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	6,450.00	6,366.93	204.05	29.93	43.20	1,090.73	-40.26	6,389.33	6,317.08	72.25	88.439		
14,200.00	7,063.09	6,450.00	6,366.93	206.85	29.93	43.20	1,090.73	-40.26	6,487.99	6,415.70	72.29	89.754		
14,300.00	7,062.02	6,450.00	6,366.93	209.66	29.93	43.20	1,090.73	-40.26	6,586.69	6,514.37	72.33	91.067		
14,400.00	7,060.95	6,450.00	6,366.93	212.46	29.93	43.20	1,090.73	-40.26	6,685.44	6,613.06	72.37	92.378		
14,500.00	7,059.88	6,450.00	6,366.93	215.27	29.93	43.20	1,090.73	-40.26	6,784.21	6,711.80	72.41	93.686		
14,600.00	7,058.81	6,450.00	6,366.93	218.08	29.93	43.20	1,090.73	-40.26	6,883.03	6,810.57	72.46	94.992		
14,700.00	7,057.74	6,450.00	6,366.93	220.89	29.93	43.20	1,090.73	-40.26	6,981.88	6,909.37	72.50	96.296		
14,800.00	7,056.67	6,450.00	6,366.93	223.70	29.93	43.20	1,090.73	-40.26	7,080.76	7,008.21	72.55	97.597		
14,900.00	7,055.60	6,450.00	6,366.93	226.51	29.93	43.20	1,090.73	-40.26	7,179.67	7,107.07	72.60	98.895		
15,000.00	7,054.53	6,450.00	6,366.93	229.32	29.93	43.20	1,090.73	-40.26	7,278.61	7,205.96	72.65	100.190		
15,100.00	7,053.46	6,450.00	6,366.93	232.14	29.93	43.20	1,090.73	-40.26	7,377.58	7,304.88	72.70	101.483		
15,200.00	7,052.39	6,450.00	6,366.93	234.95	29.93	43.20	1,090.73	-40.26	7,476.58	7,403.83	72.75	102.773		
15,300.00	7,051.32	6,450.00	6,366.93	237.76	29.93	43.20	1,090.73	-40.26	7,575.60	7,502.80	72.80	104.060		
15,400.00	7,050.25	6,450.00	6,366.93	240.58	29.93	43.20	1,090.73	-40.26	7,674.65	7,601.80	72.85	105.344		
15,500.00	7,049.18	6,450.00	6,366.93	243.39	29.93	43.20	1,090.73	-40.26	7,773.72	7,700.82	72.91	106.625		
15,600.00	7,048.11	6,450.00	6,366.93	246.21	29.93	43.20	1,090.73	-40.26	7,872.82	7,799.86	72.96	107.903		
15,703.32	7,047.00	6,450.00	6,366.93	249.12	29.93	43.20	1,090.73	-40.26	7,975.23	7,902.21	73.02	109.221		
15,703.90	7,046.99	6,450.00	6,366.93	249.13	29.93	43.20	1,090.73	-40.26	7,975.81	7,902.79	73.02	109.228		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.44	-134.42	-13.08	135.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.44	-134.42	-13.08	135.06	128.49	6.57	20.559		
200.00	200.00	200.00	200.00	3.34	3.34	-174.44	-134.42	-13.08	135.06	128.38	6.67	20.236 CC, ES		
300.00	300.00	295.51	295.49	3.44	3.43	-174.34	-135.97	-13.46	136.71	129.82	6.89	19.844		
400.00	399.98	390.72	390.58	3.60	3.58	119.76	-140.58	-14.60	142.51	135.30	7.21	19.762 SF		
500.00	499.84	485.12	484.65	3.80	3.76	121.57	-148.19	-16.47	153.43	145.80	7.63	20.112		
600.00	599.45	578.23	577.13	4.05	3.98	124.01	-158.63	-19.04	169.69	161.56	8.12	20.890		
700.00	698.70	669.56	667.46	4.32	4.23	126.69	-171.71	-22.26	191.48	182.81	8.67	22.076		
740.00	738.27	705.50	702.88	4.45	4.33	127.75	-177.62	-23.71	201.78	192.88	8.91	22.654		
800.00	797.57	758.84	755.30	4.63	4.50	129.45	-187.18	-26.07	218.55	209.28	9.26	23.594		
900.00	896.39	846.43	840.96	4.96	4.80	131.71	-204.94	-30.44	249.19	239.32	9.86	25.260		
1,000.00	995.21	932.30	924.35	5.32	5.13	133.39	-224.81	-35.33	282.98	272.49	10.49	26.986		
1,100.00	1,094.03	1,016.33	1,005.33	5.69	5.47	134.64	-246.60	-40.69	319.71	308.59	11.12	28.763		
1,200.00	1,192.86	1,098.45	1,083.79	6.07	5.82	135.57	-270.11	-46.47	359.19	347.45	11.75	30.579		
1,300.00	1,291.68	1,178.59	1,159.67	6.47	6.19	136.24	-295.15	-52.63	401.30	388.92	12.38	32.423		
1,400.00	1,390.50	1,260.01	1,236.02	6.88	6.59	136.74	-322.59	-59.39	445.79	432.77	13.02	34.232		
1,500.00	1,489.33	1,349.18	1,319.44	7.29	7.04	137.18	-353.20	-66.92	490.93	477.19	13.74	35.735		
1,600.00	1,588.15	1,438.36	1,402.86	7.71	7.51	137.54	-383.80	-74.45	536.08	521.61	14.47	37.036		
1,700.00	1,686.97	1,527.53	1,486.28	8.14	7.98	137.85	-414.41	-81.98	581.26	566.03	15.23	38.166		
1,800.00	1,785.79	1,616.71	1,569.70	8.57	8.47	138.12	-445.02	-89.51	626.44	610.44	16.00	39.152		
1,900.00	1,884.62	1,705.88	1,653.12	9.01	8.96	138.34	-475.63	-97.05	671.63	654.85	16.78	40.017		
2,000.00	1,983.44	1,804.94	1,736.53	9.45	9.52	138.54	-506.24	-104.58	716.83	699.21	17.63	40.667		
2,100.00	2,082.26	1,884.23	1,819.95	9.89	9.97	138.72	-536.85	-112.11	762.04	743.65	18.38	41.450		
2,200.00	2,181.09	1,973.41	1,903.37	10.33	10.48	138.88	-567.45	-119.64	807.25	788.05	19.20	42.047		
2,300.00	2,279.91	2,062.59	1,986.79	10.78	10.99	139.02	-598.06	-127.17	852.47	832.44	20.02	42.579		
2,400.00	2,378.73	2,151.76	2,070.21	11.23	11.51	139.14	-628.67	-134.71	897.69	876.84	20.85	43.055		
2,500.00	2,477.55	2,240.94	2,153.63	11.68	12.03	139.25	-659.28	-142.24	942.91	921.22	21.68	43.483		
2,600.00	2,576.38	2,330.11	2,237.05	12.13	12.55	139.36	-689.89	-149.77	988.13	965.61	22.52	43.869		
2,700.00	2,675.20	2,419.29	2,320.47	12.59	13.07	139.45	-720.50	-157.30	1,033.36	1,009.99	23.37	44.219		
2,800.00	2,774.02	2,508.46	2,403.88	13.04	13.60	139.54	-751.10	-164.83	1,078.59	1,054.37	24.22	44.536		
2,900.00	2,872.85	2,602.36	2,487.30	13.50	14.16	139.62	-781.71	-172.37	1,123.82	1,098.73	25.10	44.782		
3,000.00	2,971.67	2,686.82	2,570.72	13.96	14.66	139.69	-812.32	-179.90	1,169.05	1,143.13	25.93	45.090		
3,100.00	3,070.49	2,775.99	2,654.14	14.41	15.19	139.76	-842.93	-187.43	1,214.29	1,187.50	26.79	45.331		
3,200.00	3,169.31	2,865.17	2,737.56	14.87	15.72	139.82	-873.54	-194.96	1,259.52	1,231.87	27.65	45.554		
3,300.00	3,268.14	2,954.34	2,820.98	15.33	16.26	139.88	-904.15	-202.49	1,304.76	1,276.25	28.51	45.759		
3,400.00	3,366.96	3,043.52	2,904.40	15.79	16.79	139.93	-934.75	-210.03	1,350.00	1,320.62	29.38	45.948		
3,500.00	3,465.78	3,132.69	2,987.82	16.25	17.33	139.98	-965.36	-217.56	1,395.24	1,364.98	30.25	46.123		
3,600.00	3,564.61	3,221.87	3,071.23	16.72	17.87	140.03	-995.97	-225.09	1,440.47	1,409.35	31.12	46.285		
3,700.00	3,663.43	3,311.04	3,154.65	17.18	18.40	140.08	-1,026.58	-232.62	1,485.71	1,453.72	31.99	46.436		
3,800.00	3,762.25	3,400.22	3,238.07	17.64	18.94	140.12	-1,057.19	-240.15	1,530.96	1,498.09	32.87	46.576		
3,900.00	3,861.07	3,489.40	3,321.49	18.10	19.48	140.16	-1,087.80	-247.69	1,576.20	1,542.45	33.75	46.707		
4,000.00	3,959.90	3,578.57	3,404.91	18.57	20.02	140.20	-1,118.40	-255.22	1,621.44	1,586.81	34.62	46.830		
4,100.00	4,058.72	3,669.07	3,489.57	19.03	20.57	140.23	-1,149.47	-262.86	1,666.68	1,631.16	35.52	46.926		
4,200.00	4,157.54	3,760.32	3,580.81	19.50	21.19	140.38	-1,181.68	-270.91	1,708.67	1,671.09	37.58	45.470		
4,300.00	4,256.37	4,104.77	3,907.36	19.96	22.97	140.67	-1,268.07	-292.05	1,743.87	1,704.37	39.50	44.153		
4,400.00	4,355.19	4,340.69	4,139.92	20.43	24.07	141.11	-1,306.18	-301.43	1,771.71	1,730.53	41.19	43.016		
4,500.00	4,454.01	4,585.58	4,383.89	20.89	25.06	141.71	-1,325.96	-306.29	1,791.72	1,749.13	42.59	42.073		
4,600.00	4,552.83	4,754.56	4,552.83	21.36	25.61	142.20	-1,328.24	-306.85	1,804.74	1,761.21	43.52	41.465		
4,700.00	4,651.66	4,853.38	4,651.66	21.82	25.90	142.50	-1,328.24	-306.85	1,816.90	1,772.58	44.32	40.996		
4,800.00	4,750.48	4,952.20	4,750.48	22.29	26.20	142.79	-1,328.24	-306.85	1,829.11	1,784.00	45.12	40.543		
4,900.00	4,849.30	5,051.02	4,849.30	22.76	26.50	143.08	-1,328.24	-306.85	1,841.37	1,795.46	45.92	40.103		
5,000.00	4,948.13	5,149.85	4,948.13	23.22	26.80	143.36	-1,328.24	-306.85	1,853.68	1,806.96	46.72	39.678		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,248.67	5,046.95	23.69	27.11	143.64	-1,328.24	-306.85	1,866.03	1,818.50	47.52	39.265		
5,200.00	5,145.77	5,347.49	5,145.77	24.16	27.42	143.91	-1,328.24	-306.85	1,878.42	1,830.09	48.33	38.864		
5,300.00	5,244.59	5,446.32	5,244.59	24.62	27.74	144.19	-1,328.24	-306.85	1,890.86	1,841.71	49.14	38.476		
5,400.00	5,343.42	5,545.14	5,343.42	25.09	28.06	144.45	-1,328.24	-306.85	1,903.33	1,853.37	49.96	38.099		
5,500.00	5,442.24	5,643.96	5,442.24	25.56	28.38	144.72	-1,328.24	-306.85	1,915.85	1,865.08	50.77	37.733		
5,600.00	5,541.06	5,742.78	5,541.06	26.03	28.70	144.98	-1,328.24	-306.85	1,928.41	1,876.82	51.59	37.378		
5,700.00	5,639.89	5,841.61	5,639.89	26.50	29.03	145.24	-1,328.24	-306.85	1,941.00	1,888.59	52.41	37.034		
5,800.00	5,738.71	5,940.43	5,738.71	26.96	29.36	145.49	-1,328.24	-306.85	1,953.64	1,900.41	53.23	36.699		
5,900.00	5,837.53	6,039.25	5,837.53	27.43	29.69	145.75	-1,328.24	-306.85	1,966.31	1,912.25	54.06	36.374		
6,000.00	5,936.35	6,138.08	5,936.35	27.90	30.02	145.99	-1,328.24	-306.85	1,979.02	1,924.14	54.88	36.058		
6,100.00	6,035.18	6,236.90	6,035.18	28.37	30.36	146.24	-1,328.24	-306.85	1,991.77	1,936.06	55.71	35.751		
6,200.00	6,134.00	6,266.38	7,229.50	28.84	42.74	118.05	-1,324.68	802.04	1,996.52	1,938.50	58.02	34.409		
6,300.00	6,232.82	6,280.55	7,229.52	29.31	43.00	117.59	-1,324.64	816.21	1,949.23	1,888.85	60.38	32.283		
6,400.00	6,331.64	6,305.28	7,229.53	29.77	43.46	117.13	-1,324.59	830.38	1,905.91	1,842.99	62.92	30.289		
6,477.15	6,407.89	6,305.66	7,229.55	30.14	43.47	116.78	-1,324.56	841.31	1,875.38	1,810.83	64.55	29.053		
6,500.00	6,430.52	6,308.49	7,229.55	30.24	43.52	122.09	-1,324.55	844.15	1,866.81	1,801.74	65.08	28.686		
6,550.00	6,480.31	6,311.84	7,229.55	30.46	43.59	155.59	-1,324.54	847.49	1,848.72	1,782.56	66.16	27.944		
6,600.00	6,530.22	6,311.27	7,229.55	30.66	43.58	-137.71	-1,324.54	846.92	1,831.65	1,764.51	67.13	27.284		
6,650.00	6,579.93	6,306.78	7,229.55	30.85	43.49	-114.37	-1,324.55	842.43	1,815.74	1,747.74	68.00	26.701		
6,700.00	6,629.13	6,301.60	7,229.54	31.04	43.39	-107.06	-1,324.58	834.05	1,801.09	1,732.27	68.82	26.170		
6,750.00	6,677.53	6,286.18	7,229.53	31.23	43.11	-103.89	-1,324.62	821.83	1,787.78	1,718.35	69.42	25.752		
6,800.00	6,724.83	6,270.19	7,229.51	31.43	42.81	-102.17	-1,324.67	805.85	1,775.82	1,705.85	69.97	25.380		
6,850.00	6,770.73	6,250.55	7,229.49	31.63	42.45	-101.05	-1,324.73	786.21	1,765.24	1,694.83	70.40	25.073		
6,900.00	6,814.95	6,227.36	7,229.46	31.84	42.03	-100.18	-1,324.81	763.01	1,755.99	1,685.26	70.73	24.828		
6,950.00	6,857.22	6,200.77	7,229.43	32.06	41.54	-99.41	-1,324.89	736.42	1,748.01	1,677.07	70.94	24.641		
7,000.00	6,897.28	6,170.94	7,229.40	32.29	41.03	-98.66	-1,324.99	706.60	1,741.23	1,670.15	71.08	24.496		
7,050.00	6,934.88	6,138.06	7,229.37	32.54	40.47	-97.92	-1,325.10	673.71	1,735.53	1,664.40	71.14	24.397		
7,100.00	6,969.79	6,102.32	7,229.33	32.81	39.87	-97.18	-1,325.21	637.98	1,730.80	1,659.69	71.11	24.339		
7,150.00	7,001.79	6,063.96	7,229.29	33.11	39.27	-96.44	-1,325.33	599.62	1,726.90	1,655.83	71.07	24.299		
7,200.00	7,030.69	6,023.21	7,229.24	33.44	38.63	-95.73	-1,325.46	558.87	1,723.69	1,652.72	70.98	24.286		
7,250.00	7,056.31	5,980.31	7,229.20	33.81	38.01	-95.06	-1,325.60	515.97	1,721.04	1,650.17	70.87	24.283		
7,300.00	7,078.48	5,935.54	7,229.15	34.21	37.39	-94.46	-1,325.75	471.20	1,718.82	1,648.04	70.78	24.284		
7,350.00	7,097.08	5,889.16	7,229.10	34.65	36.79	-93.95	-1,325.89	424.82	1,716.90	1,646.21	70.69	24.288		
7,400.00	7,112.00	5,841.47	7,229.05	35.12	36.25	-93.54	-1,326.05	377.13	1,715.18	1,644.52	70.66	24.275		
7,450.00	7,123.12	5,792.63	7,229.00	35.64	35.73	-93.27	-1,326.20	328.29	1,713.57	1,642.95	70.63	24.263		
7,500.00	7,130.40	5,734.32	7,226.19	36.19	35.25	-93.01	-1,326.39	270.07	1,711.88	1,641.31	70.57	24.256		
7,550.00	7,133.78	5,677.23	7,218.30	36.77	34.89	-92.77	-1,326.57	213.54	1,709.99	1,639.37	70.61	24.216		
7,574.97	7,134.00	5,649.16	7,212.57	37.06	34.76	-92.66	-1,326.66	186.07	1,708.97	1,638.31	70.66	24.185		
7,600.00	7,133.73	5,621.48	7,205.74	37.37	34.65	-92.44	-1,326.75	159.25	1,707.91	1,637.16	70.75	24.140		
7,700.00	7,132.66	5,517.77	7,169.96	38.71	34.36	-91.28	-1,327.06	62.03	1,703.61	1,632.21	71.41	23.858		
7,800.00	7,131.59	5,427.25	7,126.20	40.20	34.16	-89.84	-1,327.31	-17.12	1,699.97	1,627.49	72.49	23.453		
7,900.00	7,130.52	5,350.51	7,080.60	41.84	34.00	-88.32	-1,327.51	-78.80	1,698.05	1,624.20	73.85	22.993		
7,925.92	7,130.24	5,332.74	7,069.01	42.30	33.96	-87.93	-1,327.55	-92.26	1,697.96	1,623.70	74.25	22.867		
8,000.00	7,129.45	5,286.37	7,037.04	43.60	33.86	-86.87	-1,327.66	-125.83	1,698.81	1,623.40	75.41	22.527		
8,100.00	7,128.38	5,232.99	6,997.32	45.47	33.73	-85.54	-1,327.78	-161.47	1,703.00	1,625.92	77.08	22.093		
8,200.00	7,127.31	5,188.46	6,962.00	47.44	33.61	-84.36	-1,327.86	-188.57	1,711.19	1,632.38	78.81	21.712		
8,300.00	7,126.24	5,150.00	6,930.03	49.49	33.50	-83.30	-1,327.93	-209.94	1,723.75	1,643.20	80.55	21.398		
8,400.00	7,125.17	5,119.48	6,903.77	51.61	33.41	-82.43	-1,327.98	-225.50	1,740.90	1,658.61	82.29	21.156		
8,500.00	7,124.10	5,100.00	6,886.64	53.81	33.35	-81.86	-1,328.01	-234.77	1,762.76	1,678.75	84.01	20.983		
8,600.00	7,123.03	5,069.34	6,859.12	56.06	33.26	-80.95	-1,328.05	-248.28	1,789.24	1,703.67	85.57	20.909		
8,700.00	7,121.96	5,050.00	6,841.44	58.36	33.20	-80.37	-1,328.08	-256.11	1,820.36	1,733.27	87.08	20.903		
8,800.00	7,120.89	5,031.68	6,824.48	60.71	33.14	-79.81	-1,328.10	-263.04	1,855.94	1,767.46	88.48	20.975		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,016.23	6,810.03	63.10	33.09	-79.34	-1,328.12	-268.49	1,895.81	1,806.04	89.77	21.119		
9,000.00	7,118.75	7,000.00	6,794.71	65.53	33.03	-78.84	-1,328.14	-273.85	1,939.76	1,848.84	90.92	21.335		
9,100.00	7,117.68	7,000.00	6,794.71	67.98	33.03	-78.84	-1,328.14	-273.85	1,987.61	1,895.57	92.04	21.595		
9,200.00	7,116.61	6,979.43	6,775.10	70.47	32.96	-78.20	-1,328.16	-280.07	2,038.95	1,946.03	92.92	21.943		
9,300.00	7,115.54	6,969.59	6,765.65	72.98	32.93	-77.90	-1,328.17	-282.82	2,093.72	1,999.97	93.75	22.334		
9,400.00	7,114.47	6,950.00	6,746.73	75.52	32.86	-77.29	-1,328.18	-287.86	2,151.71	2,057.29	94.41	22.790		
9,500.00	7,113.40	6,950.00	6,746.73	78.08	32.86	-77.29	-1,328.18	-287.86	2,212.43	2,117.34	95.09	23.267		
9,600.00	7,112.33	6,950.00	6,746.73	80.65	32.86	-77.29	-1,328.18	-287.86	2,275.94	2,180.26	95.67	23.789		
9,700.00	7,111.26	6,950.00	6,746.73	83.25	32.86	-77.29	-1,328.18	-287.86	2,341.99	2,245.82	96.17	24.352		
9,800.00	7,110.19	6,932.21	6,729.41	85.86	32.80	-76.73	-1,328.19	-291.93	2,410.14	2,313.62	96.52	24.970		
9,900.00	7,109.12	6,926.47	6,723.80	88.48	32.78	-76.55	-1,328.20	-293.14	2,480.48	2,383.63	96.86	25.609		
10,000.00	7,108.04	6,921.17	6,718.60	91.12	32.76	-76.38	-1,328.20	-294.22	2,552.76	2,455.62	97.14	26.278		
10,100.00	7,106.97	6,900.00	6,697.79	93.77	32.69	-75.72	-1,328.21	-298.07	2,627.04	2,529.73	97.30	26.998		
10,200.00	7,105.90	6,900.00	6,697.79	96.43	32.69	-75.72	-1,328.21	-298.07	2,702.63	2,605.11	97.52	27.713		
10,300.00	7,104.83	6,900.00	6,697.79	99.10	32.69	-75.72	-1,328.21	-298.07	2,779.76	2,682.06	97.70	28.451		
10,400.00	7,103.76	6,900.00	6,697.79	101.78	32.69	-75.72	-1,328.21	-298.07	2,858.32	2,760.47	97.85	29.212		
10,500.00	7,102.69	6,900.00	6,697.79	104.47	32.69	-75.72	-1,328.21	-298.07	2,938.17	2,840.21	97.96	29.993		
10,600.00	7,101.62	6,900.00	6,697.79	107.16	32.69	-75.72	-1,328.21	-298.07	3,019.23	2,921.18	98.05	30.793		
10,700.00	7,100.55	6,900.00	6,697.79	109.87	32.69	-75.72	-1,328.21	-298.07	3,101.39	3,003.27	98.12	31.609		
10,800.00	7,099.48	6,900.00	6,697.79	112.58	32.69	-75.72	-1,328.21	-298.07	3,184.57	3,086.41	98.16	32.442		
10,900.00	7,098.41	6,900.00	6,697.79	115.29	32.69	-75.72	-1,328.21	-298.07	3,268.70	3,170.50	98.19	33.288		
11,000.00	7,097.34	6,900.00	6,697.79	118.02	32.69	-75.72	-1,328.21	-298.07	3,353.69	3,255.48	98.21	34.148		
11,100.00	7,096.27	6,900.00	6,697.79	120.74	32.69	-75.72	-1,328.21	-298.07	3,439.50	3,341.28	98.22	35.020		
11,200.00	7,095.20	6,878.99	6,677.02	123.48	32.61	-75.06	-1,328.22	-301.20	3,525.68	3,427.53	98.14	35.923		
11,300.00	7,094.13	6,876.64	6,674.68	126.22	32.61	-74.99	-1,328.23	-301.51	3,612.84	3,514.71	98.13	36.818		
11,400.00	7,093.06	6,874.40	6,672.47	128.96	32.60	-74.92	-1,328.23	-301.80	3,700.63	3,602.53	98.10	37.723		
11,500.00	7,091.99	6,872.27	6,670.35	131.71	32.59	-74.85	-1,328.23	-302.06	3,789.03	3,690.96	98.07	38.636		
11,600.00	7,090.92	6,850.00	6,648.21	134.46	32.51	-74.15	-1,328.23	-304.40	3,878.33	3,780.36	97.97	39.589		
11,700.00	7,089.85	6,850.00	6,648.21	137.21	32.51	-74.15	-1,328.23	-304.40	3,967.74	3,869.80	97.93	40.514		
11,800.00	7,088.78	6,850.00	6,648.21	139.97	32.51	-74.15	-1,328.23	-304.40	4,057.64	3,959.74	97.90	41.447		
11,900.00	7,087.71	6,850.00	6,648.21	142.73	32.51	-74.15	-1,328.23	-304.40	4,148.01	4,050.15	97.86	42.387		
12,000.00	7,086.64	6,850.00	6,648.21	145.50	32.51	-74.15	-1,328.23	-304.40	4,238.81	4,140.98	97.82	43.332		
12,100.00	7,085.57	6,850.00	6,648.21	148.26	32.51	-74.15	-1,328.23	-304.40	4,330.01	4,232.23	97.78	44.283		
12,200.00	7,084.50	6,850.00	6,648.21	151.03	32.51	-74.15	-1,328.23	-304.40	4,421.59	4,323.86	97.74	45.240		
12,300.00	7,083.43	6,850.00	6,648.21	153.81	32.51	-74.15	-1,328.23	-304.40	4,513.54	4,415.84	97.69	46.201		
12,400.00	7,082.36	6,850.00	6,648.21	156.58	32.51	-74.15	-1,328.23	-304.40	4,605.81	4,508.16	97.65	47.167		
12,500.00	7,081.29	6,850.00	6,648.21	159.36	32.51	-74.15	-1,328.23	-304.40	4,698.41	4,600.80	97.61	48.137		
12,600.00	7,080.22	6,850.00	6,648.21	162.14	32.51	-74.15	-1,328.23	-304.40	4,791.30	4,693.74	97.56	49.111		
12,700.00	7,079.15	6,850.00	6,648.21	164.92	32.51	-74.15	-1,328.23	-304.40	4,884.47	4,786.95	97.52	50.088		
12,800.00	7,078.08	6,850.00	6,648.21	167.71	32.51	-74.15	-1,328.23	-304.40	4,977.91	4,880.43	97.47	51.069		
12,900.00	7,077.01	6,850.00	6,648.21	170.49	32.51	-74.15	-1,328.23	-304.40	5,071.59	4,974.16	97.43	52.053		
13,000.00	7,075.93	6,850.00	6,648.21	173.28	32.51	-74.15	-1,328.23	-304.40	5,165.52	5,068.13	97.39	53.040		
13,100.00	7,074.86	6,850.00	6,648.21	176.07	32.51	-74.15	-1,328.23	-304.40	5,259.67	5,162.32	97.35	54.029		
13,200.00	7,073.79	6,850.00	6,648.21	178.86	32.51	-74.15	-1,328.23	-304.40	5,354.03	5,256.72	97.31	55.021		
13,300.00	7,072.72	6,850.00	6,648.21	181.65	32.51	-74.15	-1,328.23	-304.40	5,448.59	5,351.32	97.27	56.015		
13,400.00	7,071.65	6,850.00	6,648.21	184.45	32.51	-74.15	-1,328.23	-304.40	5,543.34	5,446.11	97.23	57.011		
13,500.00	7,070.58	6,850.00	6,648.21	187.25	32.51	-74.15	-1,328.23	-304.40	5,638.27	5,541.07	97.20	58.008		
13,600.00	7,069.51	6,850.00	6,648.21	190.04	32.51	-74.15	-1,328.23	-304.40	5,733.38	5,636.22	97.16	59.008		
13,700.00	7,068.44	6,850.00	6,648.21	192.84	32.51	-74.15	-1,328.23	-304.40	5,828.65	5,731.52	97.13	60.009		
13,800.00	7,067.37	6,850.00	6,648.21	195.64	32.51	-74.15	-1,328.23	-304.40	5,924.07	5,826.98	97.10	61.011		
13,900.00	7,066.30	6,850.00	6,648.21	198.44	32.51	-74.15	-1,328.23	-304.40	6,019.65	5,922.58	97.07	62.015		
14,000.00	7,065.23	6,850.00	6,648.21	201.24	32.51	-74.15	-1,328.23	-304.40	6,115.36	6,018.32	97.04	63.020		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	6,850.00	6,648.21	204.05	32.51	-74.15	-1,328.23	-304.40	6,211.21	6,114.20	97.01	64.026		
14,200.00	7,063.09	6,850.00	6,648.21	206.85	32.51	-74.15	-1,328.23	-304.40	6,307.19	6,210.21	96.99	65.032		
14,300.00	7,062.02	6,850.00	6,648.21	209.66	32.51	-74.15	-1,328.23	-304.40	6,403.30	6,306.33	96.96	66.040		
14,400.00	7,060.95	6,850.00	6,648.21	212.46	32.51	-74.15	-1,328.23	-304.40	6,499.52	6,402.58	96.94	67.048		
14,500.00	7,059.88	6,850.00	6,648.21	215.27	32.51	-74.15	-1,328.23	-304.40	6,595.85	6,498.93	96.92	68.057		
14,600.00	7,058.81	6,850.00	6,648.21	218.08	32.51	-74.15	-1,328.23	-304.40	6,692.29	6,595.39	96.90	69.066		
14,700.00	7,057.74	6,850.00	6,648.21	220.89	32.51	-74.15	-1,328.23	-304.40	6,788.83	6,691.95	96.88	70.075		
14,800.00	7,056.67	6,850.00	6,648.21	223.70	32.51	-74.15	-1,328.23	-304.40	6,885.47	6,788.61	96.86	71.085		
14,900.00	7,055.60	6,850.00	6,648.21	226.51	32.51	-74.15	-1,328.23	-304.40	6,982.21	6,885.36	96.85	72.095		
15,000.00	7,054.53	6,850.00	6,648.21	229.32	32.51	-74.15	-1,328.23	-304.40	7,079.04	6,982.20	96.83	73.105		
15,100.00	7,053.46	6,850.00	6,648.21	232.14	32.51	-74.15	-1,328.23	-304.40	7,175.95	7,079.13	96.82	74.116		
15,200.00	7,052.39	6,850.00	6,648.21	234.95	32.51	-74.15	-1,328.23	-304.40	7,272.95	7,176.14	96.81	75.126		
15,300.00	7,051.32	6,850.00	6,648.21	237.76	32.51	-74.15	-1,328.23	-304.40	7,370.03	7,273.23	96.80	76.136		
15,400.00	7,050.25	6,850.00	6,648.21	240.58	32.51	-74.15	-1,328.23	-304.40	7,467.18	7,370.39	96.79	77.146		
15,500.00	7,049.18	6,850.00	6,648.21	243.39	32.51	-74.15	-1,328.23	-304.40	7,564.41	7,467.62	96.79	78.156		
15,600.00	7,048.11	6,850.00	6,648.21	246.21	32.51	-74.15	-1,328.23	-304.40	7,661.71	7,564.93	96.78	79.165		
15,703.32	7,047.00	6,850.00	6,648.21	249.12	32.51	-74.15	-1,328.23	-304.40	7,762.31	7,665.54	96.78	80.208		
15,703.90	7,046.99	6,850.00	6,648.21	249.13	32.51	-74.15	-1,328.23	-304.40	7,762.88	7,666.10	96.78	80.214		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.41	-119.48	-11.69	120.05					
100.00	100.00	100.00	100.00	3.28	3.28	-174.41	-119.48	-11.69	120.05	113.48	6.57	18.275		
200.00	200.00	200.00	200.00	3.34	3.34	-174.41	-119.48	-11.69	120.05	113.38	6.67	17.988 CC, ES		
300.00	300.00	296.02	296.00	3.44	3.43	-174.26	-121.02	-12.16	121.70	114.81	6.89	17.664 SF		
400.00	399.98	391.73	391.59	3.60	3.58	120.07	-125.62	-13.56	127.49	120.28	7.21	17.675		
500.00	499.84	486.61	486.13	3.80	3.76	122.26	-133.19	-15.87	138.44	130.81	7.63	18.139		
600.00	599.45	580.14	579.03	4.05	3.98	125.13	-143.57	-19.03	154.83	146.70	8.13	19.048		
700.00	698.70	672.53	670.39	4.32	4.24	128.22	-156.65	-23.02	176.89	168.21	8.68	20.386		
740.00	738.27	710.98	708.35	4.45	4.35	129.51	-162.54	-24.81	186.95	178.04	8.90	20.998		
800.00	797.57	768.56	765.19	4.63	4.53	131.49	-171.35	-27.50	202.49	193.24	9.25	21.894		
900.00	896.39	864.53	859.92	4.96	4.85	134.21	-186.05	-31.98	228.81	218.96	9.85	23.232		
1,000.00	995.21	960.49	954.65	5.32	5.20	136.36	-200.74	-36.46	255.52	245.02	10.50	24.342		
1,100.00	1,094.03	1,056.46	1,049.37	5.69	5.56	138.11	-215.43	-40.93	282.50	271.32	11.18	25.275		
1,200.00	1,192.86	1,152.42	1,144.10	6.07	5.93	139.56	-230.12	-45.41	309.68	297.80	11.89	26.056		
1,300.00	1,291.68	1,248.39	1,238.83	6.47	6.32	140.77	-244.82	-49.89	337.02	324.40	12.62	26.713		
1,400.00	1,390.50	1,344.35	1,333.56	6.88	6.72	141.80	-259.51	-54.37	364.47	351.11	13.37	27.267		
1,500.00	1,489.33	1,440.32	1,428.29	7.29	7.13	142.68	-274.20	-58.85	392.02	377.89	14.13	27.736		
1,600.00	1,588.15	1,536.28	1,523.01	7.71	7.54	143.45	-288.89	-63.32	419.65	404.73	14.92	28.136		
1,700.00	1,686.97	1,632.25	1,617.74	8.14	7.96	144.13	-303.59	-67.80	447.34	431.63	15.71	28.478		
1,800.00	1,785.79	1,728.21	1,712.47	8.57	8.38	144.73	-318.28	-72.28	475.07	458.56	16.51	28.773		
1,900.00	1,884.62	1,824.18	1,807.20	9.01	8.81	145.26	-332.97	-76.76	502.85	485.53	17.32	29.028		
2,000.00	1,983.44	1,920.14	1,901.93	9.45	9.24	145.73	-347.66	-81.24	530.67	512.53	18.14	29.250		
2,100.00	2,082.26	2,016.11	1,996.65	9.89	9.67	146.16	-362.35	-85.71	558.52	539.55	18.97	29.444		
2,200.00	2,181.09	2,112.07	2,091.38	10.33	10.11	146.55	-377.05	-90.19	586.39	566.59	19.80	29.615		
2,300.00	2,279.91	2,208.04	2,186.11	10.78	10.55	146.90	-391.74	-94.67	614.28	593.65	20.64	29.766		
2,400.00	2,378.73	2,304.01	2,280.84	11.23	10.99	147.22	-406.43	-99.15	642.20	620.72	21.48	29.900		
2,500.00	2,477.55	2,400.03	2,375.57	11.68	11.43	147.52	-421.12	-103.63	670.13	647.80	22.32	30.018		
2,600.00	2,576.38	2,504.06	2,479.29	12.13	11.91	147.79	-435.82	-108.10	698.07	674.87	23.21	30.078		
2,700.00	2,675.20	2,608.10	2,565.02	12.59	12.39	148.04	-450.51	-112.58	726.03	701.94	24.10	30.130		
2,800.00	2,774.02	2,687.87	2,659.75	13.04	12.77	148.27	-465.20	-117.06	754.01	729.13	24.88	30.306		
2,900.00	2,872.85	2,783.83	2,754.48	13.50	13.21	148.49	-479.89	-121.54	781.99	756.25	25.74	30.384		
3,000.00	2,971.67	2,879.80	2,849.20	13.96	13.66	148.69	-494.59	-126.01	809.98	783.38	26.60	30.454		
3,100.00	3,070.49	2,975.76	2,943.93	14.41	14.11	148.87	-509.28	-130.49	837.98	810.52	27.46	30.518		
3,200.00	3,169.31	3,071.73	3,038.66	14.87	14.56	149.05	-523.97	-134.97	865.99	837.67	28.32	30.576		
3,300.00	3,268.14	3,167.69	3,133.39	15.33	15.02	149.21	-538.66	-139.45	894.00	864.82	29.19	30.630		
3,400.00	3,366.96	3,263.66	3,228.12	15.79	15.47	149.37	-553.35	-143.93	922.03	891.97	30.05	30.678		
3,500.00	3,465.78	3,359.62	3,322.84	16.25	15.92	149.51	-568.05	-148.40	950.05	919.13	30.92	30.723		
3,600.00	3,564.61	3,455.59	3,417.57	16.72	16.38	149.65	-582.74	-152.88	978.09	946.29	31.79	30.764		
3,700.00	3,663.43	3,551.55	3,512.30	17.18	16.83	149.78	-597.43	-157.36	1,006.12	973.46	32.66	30.802		
3,800.00	3,762.25	3,647.52	3,607.03	17.64	17.29	149.90	-612.12	-161.84	1,034.16	1,000.63	33.54	30.837		
3,900.00	3,861.07	3,743.48	3,701.76	18.10	17.74	150.01	-626.82	-166.32	1,062.21	1,027.80	34.41	30.870		
4,000.00	3,959.90	3,839.45	3,796.48	18.57	18.20	150.12	-641.51	-170.79	1,090.26	1,054.98	35.28	30.900		
4,100.00	4,058.72	3,935.41	3,891.21	19.03	18.65	150.23	-656.20	-175.27	1,118.31	1,082.15	36.16	30.928		
4,200.00	4,157.54	4,031.38	3,985.94	19.50	19.11	150.33	-670.89	-179.75	1,146.37	1,109.33	37.04	30.954		
4,300.00	4,256.37	4,127.34	4,080.67	19.96	19.57	150.42	-685.59	-184.23	1,174.43	1,136.52	37.91	30.978		
4,400.00	4,355.19	4,223.31	4,175.40	20.43	20.02	150.51	-700.28	-188.71	1,202.49	1,163.70	38.79	31.001		
4,500.00	4,454.01	4,319.27	4,270.12	20.89	20.48	150.60	-714.97	-193.18	1,230.56	1,190.89	39.67	31.022		
4,600.00	4,552.83	4,415.24	4,364.85	21.36	20.94	150.68	-729.66	-197.66	1,258.62	1,218.08	40.55	31.041		
4,700.00	4,651.66	4,511.20	4,459.58	21.82	21.40	150.76	-744.36	-202.14	1,286.69	1,245.27	41.43	31.060		
4,800.00	4,750.48	4,607.17	4,554.31	22.29	21.86	150.83	-759.05	-206.62	1,314.76	1,272.46	42.31	31.077		
4,900.00	4,849.30	4,703.13	4,649.04	22.76	22.32	150.91	-773.74	-211.09	1,342.84	1,299.65	43.19	31.094		
5,000.00	4,948.13	4,800.90	4,743.76	23.22	22.78	150.97	-788.43	-215.57	1,370.91	1,326.84	44.08	31.103		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	4,895.06	4,838.49	23.69	23.23	151.04	-803.12	-220.05	1,398.99	1,354.04	44.95	31.124		
5,200.00	5,145.77	4,991.03	4,933.22	24.16	23.69	151.10	-817.82	-224.53	1,427.07	1,381.24	45.83	31.137		
5,300.00	5,244.59	5,086.99	5,027.95	24.62	24.15	151.17	-832.51	-229.01	1,455.15	1,408.44	46.71	31.150		
5,400.00	5,343.42	5,182.96	5,122.68	25.09	24.61	151.22	-847.20	-233.48	1,483.23	1,435.64	47.60	31.162		
5,500.00	5,442.24	5,278.92	5,217.40	25.56	25.07	151.28	-861.89	-237.96	1,511.32	1,462.84	48.48	31.174		
5,600.00	5,541.06	5,374.89	5,312.13	26.03	25.53	151.34	-876.59	-242.44	1,539.40	1,490.04	49.36	31.184		
5,700.00	5,639.89	5,470.85	5,406.86	26.50	25.99	151.39	-891.28	-246.92	1,567.49	1,517.24	50.25	31.195		
5,800.00	5,738.71	5,566.82	5,501.59	26.96	26.45	151.44	-905.97	-251.40	1,595.57	1,544.44	51.13	31.204		
5,900.00	5,837.53	5,662.78	5,596.32	27.43	26.91	151.49	-920.66	-255.87	1,623.66	1,571.64	52.02	31.213		
6,000.00	5,936.35	5,758.75	5,691.04	27.90	27.37	151.54	-935.36	-260.35	1,651.75	1,598.85	52.90	31.222		
6,100.00	6,035.18	5,854.71	5,785.77	28.37	27.83	151.58	-950.05	-264.83	1,679.84	1,626.05	53.79	31.230		
6,200.00	6,134.00	5,950.68	5,881.82	28.84	28.30	151.63	-964.74	-269.31	1,707.93	1,653.16	54.68	31.238		
6,300.00	6,232.82	6,046.65	5,977.86	29.31	28.77	151.68	-979.65	-273.79	1,736.02	1,680.27	55.57	31.246		
6,400.00	6,331.64	6,142.62	6,073.87	29.77	29.23	151.73	-994.56	-278.27	1,764.11	1,707.38	56.46	31.254		
6,477.15	6,407.89	6,228.59	6,159.29	30.14	29.60	151.78	-1,009.47	-282.75	1,792.20	1,734.49	57.35	31.262		
6,500.00	6,430.52	6,251.22	6,181.92	30.24	29.70	151.79	-1,014.38	-283.76	1,797.11	1,739.40	57.45	31.263		
6,550.00	6,480.31	6,301.01	6,231.71	30.46	29.92	151.81	-1,024.29	-285.77	1,807.02	1,749.31	57.55	31.264		
6,600.00	6,530.22	6,350.92	6,281.62	30.66	30.12	151.83	-1,034.20	-287.78	1,816.93	1,759.22	57.65	31.265		
6,650.00	6,579.93	6,399.83	6,331.53	30.85	30.31	151.85	-1,044.11	-289.79	1,826.84	1,769.13	57.75	31.266		
6,700.00	6,629.13	6,448.63	6,380.33	31.04	30.50	151.87	-1,054.02	-291.80	1,836.75	1,779.04	57.85	31.267		
6,750.00	6,677.53	6,496.83	6,428.53	31.23	30.69	151.89	-1,063.93	-293.81	1,846.66	1,788.95	57.95	31.268		
6,800.00	6,724.83	6,544.83	6,475.83	31.43	30.89	151.91	-1,073.84	-295.82	1,856.57	1,798.86	58.05	31.269		
6,850.00	6,770.73	6,592.83	6,521.73	31.63	31.09	151.93	-1,083.75	-297.83	1,866.48	1,808.77	58.15	31.270		
6,900.00	6,814.95	6,636.83	6,565.95	31.84	31.29	151.95	-1,093.66	-299.84	1,876.39	1,818.68	58.25	31.271		
6,933.18	6,843.24	6,665.12	6,594.24	31.99	31.44	151.97	-1,103.57	-301.85	1,886.30	1,828.59	58.35	31.272		
6,950.00	6,857.22	6,679.10	6,608.22	32.06	31.51	151.98	-1,108.48	-303.86	1,891.21	1,833.50	58.45	31.273		
7,000.00	6,897.28	6,719.16	6,648.28	32.29	31.74	152.00	-1,118.39	-305.87	1,901.12	1,843.41	58.55	31.274		
7,050.00	6,934.88	6,756.76	6,685.88	32.54	31.99	152.02	-1,128.30	-307.88	1,911.03	1,853.32	58.65	31.275		
7,100.00	6,969.79	6,791.67	6,720.79	32.81	32.24	152.04	-1,138.21	-309.89	1,920.94	1,863.23	58.75	31.276		
7,150.00	7,001.79	6,823.67	6,752.79	33.11	32.54	152.06	-1,148.12	-311.90	1,930.85	1,873.14	58.85	31.277		
7,200.00	7,030.69	6,852.57	6,781.69	33.44	32.87	152.08	-1,158.03	-313.91	1,940.76	1,883.05	58.95	31.278		
7,250.00	7,056.31	6,878.19	6,807.31	33.81	33.24	152.10	-1,167.94	-315.92	1,950.67	1,892.96	59.05	31.279		
7,300.00	7,078.48	6,900.36	6,829.48	34.21	33.64	152.12	-1,177.85	-317.93	1,960.58	1,902.87	59.15	31.280		
7,350.00	7,097.08	6,919.96	6,849.08	34.65	34.08	152.14	-1,187.76	-319.94	1,970.49	1,912.78	59.25	31.281		
7,400.00	7,112.00	6,936.07	6,865.19	35.12	34.56	152.16	-1,197.67	-321.95	1,980.40	1,922.69	59.35	31.282		
7,450.00	7,123.12	6,949.19	6,878.31	35.64	35.08	152.18	-1,207.58	-323.96	1,990.31	1,932.60	59.45	31.283		
7,500.00	7,130.40	6,960.31	6,889.43	36.19	35.64	152.20	-1,217.49	-325.97	1,999.82	1,942.11	59.55	31.284		
7,550.00	7,133.78	6,969.43	6,898.55	36.77	36.24	152.22	-1,227.40	-327.98	2,009.33	1,951.62	59.65	31.285		
7,574.97	7,134.00	6,970.55	6,898.77	37.06	36.54	152.24	-1,232.31	-329.99	2,014.24	1,956.53	59.75	31.286		
7,600.00	7,133.73	6,969.43	6,897.65	37.37	36.85	152.26	-1,237.22	-331.00	2,019.15	1,961.44	59.85	31.287		
7,700.00	7,132.66	6,968.31	6,896.58	38.71	38.19	152.28	-1,251.03	-335.01	2,033.96	1,976.25	60.25	31.289		
7,797.87	7,131.62	6,967.19	6,895.54	40.17	39.65	152.30	-1,264.84	-339.02	2,048.77	1,991.06	60.65	31.291		
7,800.00	7,131.59	6,967.16	6,895.51	40.20	39.68	152.31	-1,266.16	-340.03	2,050.09	1,992.38	60.68	31.291		
7,900.00	7,130.52	6,966.09	6,894.44	41.84	41.32	152.33	-1,279.97	-344.04	2,064.90	1,997.19	61.08	31.293		
8,000.00	7,129.45	6,965.02	6,893.37	43.60	43.08	152.35	-1,293.78	-348.05	2,079.71	2,002.00	61.48	31.295		
8,100.00	7,128.38	6,963.95	6,892.30	45.47	44.95	152.37	-1,307.59	-352.06	2,094.52	2,006.81	61.88	31.297		
8,200.00	7,127.31	6,962.88	6,891.23	47.44	46.92	152.39	-1,321.40	-356.07	2,109.33	2,011.62	62.28	31.299		
8,300.00	7,126.24	6,961.81	6,890.16	49.49	48.97	152.41	-1,335.21	-360.08	2,124.14	2,016.43	62.68	31.301		
8,400.00	7,125.17	6,960.74	6,889.09	51.61	51.09	152.43	-1,349.02	-364.09	2,138.95	2,021.24	63.08	31.303		
8,500.00	7,124.10	6,959.67	6,888.02	53.81	53.29	152.45	-1,362.83	-368.10	2,153.76	2,026.05	63.48	31.305		
8,600.00	7,123.03	6,958.60	6,886.95	56.06	55.54	152.47	-1,376.64	-372.11	2,168.57	2,030.86	63.88	31.307		
8,700.00	7,121.96	6,957.53	6,885.88	58.36	57.84	152.49	-1,390.45	-376.12	2,183.38	2,035.67	64.28	31.309		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,120.89	6,617.28	6,530.35	60.71	31.26	-67.29	-1,065.41	-227.78	1,718.76	1,636.49	82.26	20.893		
8,900.00	7,119.82	6,600.00	6,514.76	63.10	31.20	-66.73	-1,063.00	-234.83	1,764.03	1,680.84	83.19	21.205		
9,000.00	7,118.75	6,585.35	6,501.40	65.53	31.15	-66.24	-1,060.94	-240.47	1,813.34	1,729.31	84.03	21.579		
9,100.00	7,117.68	6,571.86	6,488.98	67.98	31.11	-65.80	-1,059.02	-245.40	1,866.42	1,781.65	84.78	22.016		
9,200.00	7,116.61	6,550.00	6,468.66	70.47	31.03	-65.07	-1,055.89	-252.80	1,923.07	1,837.77	85.30	22.546		
9,300.00	7,115.54	6,550.00	6,468.66	72.98	31.03	-65.07	-1,055.89	-252.80	1,982.81	1,896.80	86.01	23.052		
9,400.00	7,114.47	6,550.00	6,468.66	75.52	31.03	-65.07	-1,055.89	-252.80	2,045.70	1,959.07	86.63	23.615		
9,500.00	7,113.40	6,529.57	6,449.44	78.08	30.95	-64.39	-1,052.92	-259.08	2,111.11	2,024.20	86.91	24.292		
9,600.00	7,112.33	6,521.22	6,441.53	80.65	30.92	-64.11	-1,051.70	-261.46	2,179.13	2,091.87	87.26	24.973		
9,700.00	7,111.26	6,500.00	6,421.31	83.25	30.84	-63.40	-1,048.57	-267.05	2,249.58	2,162.19	87.40	25.740		
9,800.00	7,110.19	6,500.00	6,421.31	85.86	30.84	-63.40	-1,048.57	-267.05	2,321.87	2,234.13	87.73	26.465		
9,900.00	7,109.12	6,500.00	6,421.31	88.48	30.84	-63.40	-1,048.57	-267.05	2,396.14	2,308.13	88.02	27.224		
10,000.00	7,108.04	6,500.00	6,421.31	91.12	30.84	-63.40	-1,048.57	-267.05	2,472.23	2,383.98	88.25	28.015		
10,100.00	7,106.97	6,500.00	6,421.31	93.77	30.84	-63.40	-1,048.57	-267.05	2,549.97	2,461.53	88.44	28.833		
10,200.00	7,105.90	6,500.00	6,421.31	96.43	30.84	-63.40	-1,048.57	-267.05	2,629.22	2,540.63	88.59	29.677		
10,300.00	7,104.83	6,478.09	6,400.23	99.10	30.76	-62.66	-1,045.31	-272.10	2,709.43	2,620.93	88.50	30.615		
10,400.00	7,103.76	6,473.50	6,395.80	101.78	30.74	-62.51	-1,044.63	-273.07	2,791.11	2,702.55	88.56	31.516		
10,500.00	7,102.69	6,469.20	6,391.64	104.47	30.72	-62.37	-1,043.98	-273.94	2,873.92	2,785.32	88.60	32.436		
10,600.00	7,101.62	6,450.00	6,373.00	107.16	30.65	-61.72	-1,041.10	-277.50	2,957.96	2,869.48	88.48	33.430		
10,700.00	7,100.55	6,450.00	6,373.00	109.87	30.65	-61.72	-1,041.10	-277.50	3,042.67	2,954.13	88.54	34.367		
10,800.00	7,099.48	6,450.00	6,373.00	112.58	30.65	-61.72	-1,041.10	-277.50	3,128.28	3,039.70	88.57	35.318		
10,900.00	7,098.41	6,450.00	6,373.00	115.29	30.65	-61.72	-1,041.10	-277.50	3,214.72	3,126.12	88.60	36.283		
11,000.00	7,097.34	6,450.00	6,373.00	118.02	30.65	-61.72	-1,041.10	-277.50	3,301.92	3,213.31	88.62	37.261		
11,100.00	7,096.27	6,450.00	6,373.00	120.74	30.65	-61.72	-1,041.10	-277.50	3,389.84	3,301.22	88.62	38.251		
11,200.00	7,095.20	6,450.00	6,373.00	123.48	30.65	-61.72	-1,041.10	-277.50	3,478.40	3,389.78	88.62	39.250		
11,300.00	7,094.13	6,450.00	6,373.00	126.22	30.65	-61.72	-1,041.10	-277.50	3,567.57	3,478.96	88.61	40.260		
11,400.00	7,093.06	6,450.00	6,373.00	128.96	30.65	-61.72	-1,041.10	-277.50	3,657.31	3,568.70	88.60	41.278		
11,500.00	7,091.99	6,450.00	6,373.00	131.71	30.65	-61.72	-1,041.10	-277.50	3,747.56	3,658.97	88.58	42.305		
11,600.00	7,090.92	6,450.00	6,373.00	134.46	30.65	-61.72	-1,041.10	-277.50	3,838.29	3,749.73	88.56	43.339		
11,700.00	7,089.85	6,450.00	6,373.00	137.21	30.65	-61.72	-1,041.10	-277.50	3,929.47	3,840.93	88.54	44.380		
11,800.00	7,088.78	6,450.00	6,373.00	139.97	30.65	-61.72	-1,041.10	-277.50	4,021.08	3,932.56	88.52	45.427		
11,900.00	7,087.71	6,428.66	6,352.16	142.73	30.56	-61.01	-1,037.88	-280.79	4,112.68	4,024.35	88.33	46.562		
12,000.00	7,086.64	6,426.69	6,350.24	145.50	30.55	-60.95	-1,037.58	-281.05	4,204.96	4,116.68	88.29	47.628		
12,100.00	7,085.57	6,424.81	6,348.39	148.26	30.54	-60.88	-1,037.29	-281.30	4,297.59	4,209.34	88.25	48.700		
12,200.00	7,084.50	6,423.00	6,346.62	151.03	30.53	-60.82	-1,037.02	-281.54	4,390.53	4,302.32	88.21	49.775		
12,300.00	7,083.43	6,421.27	6,344.92	153.81	30.52	-60.76	-1,036.76	-281.76	4,483.77	4,395.60	88.17	50.854		
12,400.00	7,082.36	6,400.00	6,324.03	156.58	30.43	-60.06	-1,033.52	-284.08	4,577.62	4,489.63	87.98	52.029		
12,500.00	7,081.29	6,400.00	6,324.03	159.36	30.43	-60.06	-1,033.52	-284.08	4,671.35	4,583.39	87.96	53.108		
12,600.00	7,080.22	6,400.00	6,324.03	162.14	30.43	-60.06	-1,033.52	-284.08	4,765.34	4,677.40	87.94	54.191		
12,700.00	7,079.15	6,400.00	6,324.03	164.92	30.43	-60.06	-1,033.52	-284.08	4,859.56	4,771.65	87.91	55.277		
12,800.00	7,078.08	6,400.00	6,324.03	167.71	30.43	-60.06	-1,033.52	-284.08	4,954.02	4,866.13	87.89	56.365		
12,900.00	7,077.01	6,400.00	6,324.03	170.49	30.43	-60.06	-1,033.52	-284.08	5,048.68	4,960.81	87.87	57.456		
13,000.00	7,075.93	6,400.00	6,324.03	173.28	30.43	-60.06	-1,033.52	-284.08	5,143.55	5,055.70	87.85	58.550		
13,100.00	7,074.86	6,400.00	6,324.03	176.07	30.43	-60.06	-1,033.52	-284.08	5,238.61	5,150.78	87.83	59.645		
13,200.00	7,073.79	6,400.00	6,324.03	178.86	30.43	-60.06	-1,033.52	-284.08	5,333.85	5,246.04	87.81	60.743		
13,300.00	7,072.72	6,400.00	6,324.03	181.65	30.43	-60.06	-1,033.52	-284.08	5,429.26	5,341.47	87.79	61.841		
13,400.00	7,071.65	6,400.00	6,324.03	184.45	30.43	-60.06	-1,033.52	-284.08	5,524.84	5,437.06	87.78	62.942		
13,500.00	7,070.58	6,400.00	6,324.03	187.25	30.43	-60.06	-1,033.52	-284.08	5,620.57	5,532.80	87.76	64.043		
13,600.00	7,069.51	6,400.00	6,324.03	190.04	30.43	-60.06	-1,033.52	-284.08	5,716.44	5,628.69	87.75	65.146		
13,700.00	7,068.44	6,400.00	6,324.03	192.84	30.43	-60.06	-1,033.52	-284.08	5,812.45	5,724.72	87.74	66.250		
13,800.00	7,067.37	6,400.00	6,324.03	195.64	30.43	-60.06	-1,033.52	-284.08	5,908.60	5,820.88	87.72	67.355		
13,900.00	7,066.30	6,400.00	6,324.03	198.44	30.43	-60.06	-1,033.52	-284.08	6,004.87	5,917.16	87.71	68.460		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,065.23	6,400.00	6,324.03	201.24	30.43	-60.06	-1,033.52	-284.08	6,101.26	6,013.56	87.70	69.566		
14,100.00	7,064.16	6,400.00	6,324.03	204.05	30.43	-60.06	-1,033.52	-284.08	6,197.77	6,110.07	87.70	70.672		
14,200.00	7,063.09	6,400.00	6,324.03	206.85	30.43	-60.06	-1,033.52	-284.08	6,294.38	6,206.69	87.69	71.779		
14,300.00	7,062.02	6,400.00	6,324.03	209.66	30.43	-60.06	-1,033.52	-284.08	6,391.10	6,303.41	87.69	72.886		
14,400.00	7,060.95	6,400.00	6,324.03	212.46	30.43	-60.06	-1,033.52	-284.08	6,487.92	6,400.24	87.68	73.993		
14,500.00	7,059.88	6,400.00	6,324.03	215.27	30.43	-60.06	-1,033.52	-284.08	6,584.83	6,497.15	87.68	75.099		
14,600.00	7,058.81	6,400.00	6,324.03	218.08	30.43	-60.06	-1,033.52	-284.08	6,681.84	6,594.16	87.68	76.206		
14,700.00	7,057.74	6,400.00	6,324.03	220.89	30.43	-60.06	-1,033.52	-284.08	6,778.93	6,691.25	87.68	77.313		
14,800.00	7,056.67	6,400.00	6,324.03	223.70	30.43	-60.06	-1,033.52	-284.08	6,876.10	6,788.42	87.68	78.419		
14,900.00	7,055.60	6,400.00	6,324.03	226.51	30.43	-60.06	-1,033.52	-284.08	6,973.36	6,885.67	87.69	79.526		
15,000.00	7,054.53	6,400.00	6,324.03	229.32	30.43	-60.06	-1,033.52	-284.08	7,070.69	6,983.00	87.69	80.631		
15,100.00	7,053.46	6,400.00	6,324.03	232.14	30.43	-60.06	-1,033.52	-284.08	7,168.09	7,080.40	87.70	81.736		
15,200.00	7,052.39	6,400.00	6,324.03	234.95	30.43	-60.06	-1,033.52	-284.08	7,265.57	7,177.86	87.71	82.841		
15,300.00	7,051.32	6,400.00	6,324.03	237.76	30.43	-60.06	-1,033.52	-284.08	7,363.11	7,275.40	87.71	83.945		
15,400.00	7,050.25	6,400.00	6,324.03	240.58	30.43	-60.06	-1,033.52	-284.08	7,460.72	7,373.00	87.72	85.048		
15,500.00	7,049.18	6,400.00	6,324.03	243.39	30.43	-60.06	-1,033.52	-284.08	7,558.39	7,470.66	87.74	86.150		
15,600.00	7,048.11	6,400.00	6,324.03	246.21	30.43	-60.06	-1,033.52	-284.08	7,656.12	7,568.37	87.75	87.252		
15,703.32	7,047.00	6,400.00	6,324.03	249.12	30.43	-60.06	-1,033.52	-284.08	7,757.16	7,669.40	87.76	88.389		
15,703.90	7,046.99	6,400.00	6,324.03	249.13	30.43	-60.06	-1,033.52	-284.08	7,757.73	7,669.97	87.76	88.395		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	44.82	4.45	45.04					
100.00	100.00	100.00	100.00	3.28	3.28	5.68	44.82	4.45	45.04	38.47	6.57	6.856		
200.00	200.00	200.00	200.00	3.34	3.34	5.68	44.82	4.45	45.04	38.36	6.67	6.748 CC, ES		
300.00	300.00	298.75	298.73	3.44	3.44	6.99	46.03	5.65	46.39	39.50	6.89	6.729		
400.00	399.98	397.36	397.20	3.60	3.60	-57.73	49.66	9.22	49.64	42.41	7.22	6.871		
500.00	499.84	495.82	495.29	3.80	3.80	-57.05	55.70	15.15	53.84	46.20	7.65	7.042		
600.00	599.45	594.10	592.86	4.05	4.05	-57.37	64.11	23.43	58.96	50.81	8.15	7.236		
700.00	698.70	692.20	689.78	4.32	4.32	-58.43	74.89	34.03	65.01	56.29	8.72	7.457		
740.00	738.27	731.37	728.33	4.45	4.44	-59.01	79.85	38.91	67.69	58.73	8.96	7.553		
800.00	797.57	790.05	785.89	4.63	4.63	-59.65	87.99	46.91	72.33	62.99	9.35	7.740		
900.00	896.39	889.07	882.65	4.96	4.97	-59.76	103.00	61.67	81.52	71.51	10.01	8.145		
1,000.00	995.21	988.64	979.91	5.32	5.33	-59.79	118.18	76.60	90.82	80.10	10.71	8.477		
1,100.00	1,094.03	1,088.21	1,077.17	5.69	5.72	-59.82	133.37	91.53	100.11	88.66	11.45	8.740		
1,200.00	1,192.86	1,187.77	1,174.44	6.07	6.13	-59.84	148.55	106.46	109.41	97.18	12.22	8.950		
1,300.00	1,291.68	1,287.34	1,271.70	6.47	6.54	-59.86	163.74	121.40	118.70	105.68	13.02	9.118		
1,400.00	1,390.50	1,386.91	1,368.96	6.88	6.97	-59.88	178.92	136.33	128.00	114.16	13.83	9.252		
1,500.00	1,489.33	1,486.48	1,466.22	7.29	7.41	-59.89	194.10	151.26	137.29	122.63	14.67	9.361		
1,600.00	1,588.15	1,586.04	1,563.49	7.71	7.85	-59.91	209.29	166.19	146.59	131.07	15.51	9.450		
1,700.00	1,686.97	1,685.61	1,660.75	8.14	8.30	-59.92	224.47	181.12	155.88	139.51	16.37	9.522		
1,800.00	1,785.79	1,785.18	1,758.01	8.57	8.75	-59.93	239.66	196.05	165.18	147.94	17.24	9.582		
1,900.00	1,884.62	1,884.74	1,855.28	9.01	9.21	-59.93	254.84	210.99	174.47	156.36	18.12	9.631		
2,000.00	1,983.44	1,984.31	1,952.54	9.45	9.68	-59.94	270.02	225.92	183.77	164.77	19.00	9.671		
2,100.00	2,082.26	2,083.88	2,049.80	9.89	10.14	-59.95	285.21	240.85	193.06	173.17	19.89	9.705		
2,200.00	2,181.09	2,183.44	2,147.07	10.33	10.61	-59.96	300.39	255.78	202.36	181.57	20.79	9.734		
2,300.00	2,279.91	2,283.01	2,244.33	10.78	11.08	-59.96	315.57	270.71	211.65	189.96	21.69	9.757		
2,400.00	2,378.73	2,382.58	2,341.59	11.23	11.55	-59.97	330.76	285.64	220.95	198.35	22.60	9.777		
2,500.00	2,477.55	2,482.15	2,438.85	11.68	12.03	-59.97	345.94	300.58	230.24	206.73	23.51	9.794		
2,600.00	2,576.38	2,581.71	2,536.12	12.13	12.51	-59.98	361.13	315.51	239.54	215.12	24.42	9.808		
2,700.00	2,675.20	2,681.28	2,633.38	12.59	12.99	-59.98	376.31	330.44	248.83	223.49	25.34	9.820		
2,800.00	2,774.02	2,780.85	2,730.64	13.04	13.46	-59.99	391.49	345.37	258.13	231.87	26.26	9.830		
2,900.00	2,872.85	2,880.41	2,827.91	13.50	13.95	-59.99	406.68	360.30	267.42	240.24	27.18	9.839		
3,000.00	2,971.67	2,979.98	2,925.17	13.96	14.43	-59.99	421.86	375.23	276.72	248.61	28.10	9.846		
3,100.00	3,070.49	3,079.55	3,022.43	14.41	14.91	-60.00	437.05	390.17	286.01	256.98	29.03	9.852		
3,200.00	3,169.31	3,179.12	3,119.70	14.87	15.39	-60.00	452.23	405.10	295.31	265.35	29.96	9.857		
3,300.00	3,268.14	3,278.68	3,216.96	15.33	15.88	-60.00	467.41	420.03	304.60	273.72	30.89	9.861		
3,400.00	3,366.96	3,378.25	3,314.22	15.79	16.36	-60.00	482.60	434.96	313.90	282.08	31.82	9.865		
3,500.00	3,465.78	3,477.82	3,411.48	16.25	16.85	-60.01	497.78	449.89	323.19	290.44	32.75	9.868		
3,600.00	3,564.61	3,577.38	3,508.75	16.72	17.34	-60.01	512.97	464.82	332.49	298.80	33.69	9.870		
3,700.00	3,663.43	3,676.95	3,606.01	17.18	17.82	-60.01	528.15	479.76	341.78	307.16	34.62	9.872		
3,800.00	3,762.25	3,776.52	3,703.27	17.64	18.31	-60.01	543.33	494.69	351.08	315.52	35.56	9.874		
3,900.00	3,861.07	3,876.08	3,800.54	18.10	18.80	-60.02	558.52	509.62	360.38	323.88	36.49	9.875		
4,000.00	3,959.90	3,975.65	3,897.80	18.57	19.29	-60.02	573.70	524.55	369.67	332.24	37.43	9.876		
4,100.00	4,058.72	4,075.22	3,995.06	19.03	19.78	-60.02	588.89	539.48	378.97	340.59	38.37	9.876		
4,200.00	4,157.54	4,174.79	4,092.33	19.50	20.27	-60.02	604.07	554.41	388.26	348.95	39.31	9.876		
4,300.00	4,256.37	4,274.35	4,189.59	19.96	20.76	-60.02	619.25	569.35	397.56	357.30	40.25	9.877		
4,400.00	4,355.19	4,373.92	4,286.85	20.43	21.25	-60.02	634.44	584.28	406.85	365.66	41.19	9.877		
4,500.00	4,454.01	4,473.49	4,384.11	20.89	21.74	-60.03	649.62	599.21	416.15	374.01	42.14	9.876		
4,600.00	4,552.83	4,573.05	4,481.38	21.36	22.23	-60.03	664.81	614.14	425.44	382.36	43.08	9.876		
4,700.00	4,651.66	4,672.62	4,578.64	21.82	22.72	-60.03	679.99	629.07	434.74	390.72	44.02	9.876		
4,800.00	4,750.48	4,772.19	4,675.90	22.29	23.21	-60.03	695.17	644.00	444.03	399.07	44.96	9.875		
4,900.00	4,849.30	4,871.76	4,773.17	22.76	23.70	-60.03	710.36	658.94	453.33	407.42	45.91	9.875		
5,000.00	4,948.13	4,971.32	4,870.43	23.22	24.19	-60.03	725.54	673.87	462.62	415.77	46.85	9.874		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
5,100.00	5,046.95	5,070.89	4,967.69	23.69	24.68	-60.03	740.73	688.80	471.92	424.12	47.80	9.873		
5,200.00	5,145.77	5,170.46	5,064.96	24.16	25.18	-60.03	755.91	703.73	481.21	432.47	48.74	9.872		
5,300.00	5,244.59	5,270.02	5,162.22	24.62	25.67	-60.04	771.09	718.66	490.51	440.82	49.69	9.872		
5,400.00	5,343.42	5,369.59	5,259.48	25.09	26.16	-60.04	786.28	733.59	499.80	449.17	50.63	9.871		
5,500.00	5,442.24	5,469.16	5,356.74	25.56	26.65	-60.04	801.46	748.53	509.10	457.52	51.58	9.870		
5,600.00	5,541.06	5,568.72	5,454.01	26.03	27.15	-60.04	816.65	763.46	518.39	465.87	52.53	9.869		
5,700.00	5,639.89	5,668.29	5,551.27	26.50	27.64	-60.04	831.83	778.39	527.69	474.21	53.47	9.868		
5,800.00	5,738.71	5,767.86	5,648.53	26.96	28.13	-60.04	847.01	793.32	536.98	482.56	54.42	9.867		
5,900.00	5,837.53	5,867.43	5,745.80	27.43	28.62	-60.04	862.20	808.25	546.28	490.91	55.37	9.866		
6,000.00	5,936.35	5,966.99	5,843.06	27.90	29.12	-60.04	877.38	823.18	555.57	499.26	56.32	9.865		
6,100.00	6,035.18	6,066.56	5,940.32	28.37	29.61	-60.04	892.57	838.12	564.87	507.60	57.27	9.864		
6,200.00	6,134.00	6,166.13	6,037.59	28.84	30.10	-60.04	907.75	853.05	574.16	515.95	58.21	9.863		
6,300.00	6,232.82	6,265.69	6,134.85	29.31	30.60	-60.04	922.93	867.98	583.46	524.30	59.16	9.862		
6,400.00	6,331.64	6,365.26	6,232.11	29.77	31.09	-60.04	938.12	882.91	592.75	532.64	60.11	9.861		
6,477.15	6,407.89	6,442.08	6,307.15	30.14	31.47	-60.05	949.83	894.43	599.93	539.08	60.84	9.860		
6,500.00	6,430.52	6,464.82	6,329.36	30.24	31.59	-53.97	953.30	897.84	602.11	541.05	61.06	9.861		
6,550.00	6,480.31	6,514.40	6,377.80	30.46	31.83	-18.72	960.86	905.28	607.30	545.79	61.50	9.874		
6,600.00	6,530.22	6,568.50	6,430.77	30.66	32.09	49.78	969.10	912.49	612.97	551.00	61.97	9.891		
6,650.00	6,579.93	6,626.66	6,488.17	30.85	32.35	74.68	977.83	915.48	618.65	556.21	62.44	9.907		
6,700.00	6,629.13	6,685.70	6,546.50	31.04	32.59	83.23	986.50	913.10	624.22	561.33	62.90	9.925		
6,750.00	6,677.53	6,745.56	6,605.19	31.23	32.81	87.33	995.01	905.11	629.63	566.30	63.33	9.942		
6,800.00	6,724.83	6,806.18	6,663.63	31.43	33.03	89.66	1,003.26	891.40	634.81	571.06	63.75	9.958		
6,850.00	6,770.73	6,867.46	6,721.17	31.63	33.24	91.10	1,011.15	871.90	639.71	575.55	64.16	9.970		
6,900.00	6,814.95	6,929.31	6,777.11	31.84	33.47	92.02	1,018.59	846.65	644.30	579.72	64.57	9.978		
6,950.00	6,857.22	6,991.60	6,830.77	32.06	33.70	92.58	1,025.46	815.82	648.51	583.51	65.00	9.978		
7,000.00	6,897.28	7,054.21	6,881.47	32.29	33.94	92.89	1,031.69	779.66	652.32	586.87	65.44	9.967		
7,050.00	6,934.88	7,116.98	6,928.55	32.54	34.21	93.01	1,037.18	738.55	655.69	589.75	65.94	9.943		
7,100.00	6,969.79	7,179.78	6,971.45	32.81	34.51	92.98	1,041.87	692.96	658.62	592.10	66.51	9.902		
7,150.00	7,001.79	7,242.45	7,009.64	33.11	34.85	92.81	1,045.70	643.45	661.07	593.90	67.17	9.842		
7,200.00	7,030.69	7,304.84	7,042.72	33.44	35.23	92.54	1,048.64	590.66	663.04	595.11	67.93	9.760		
7,250.00	7,056.31	7,366.81	7,070.38	33.81	35.68	92.17	1,050.67	535.27	664.55	595.73	68.82	9.657		
7,300.00	7,078.48	7,428.24	7,092.42	34.21	36.18	91.73	1,051.78	477.97	665.58	595.77	69.82	9.533		
7,350.00	7,097.08	7,489.01	7,108.77	34.65	36.73	91.22	1,051.98	419.46	666.17	595.24	70.93	9.392		
7,400.00	7,112.00	7,549.02	7,119.42	35.12	37.33	90.65	1,051.31	360.43	666.33	594.19	72.14	9.237		
7,450.00	7,123.12	7,608.19	7,124.51	35.64	37.97	90.03	1,049.81	301.52	666.07	592.64	73.43	9.071		
7,500.00	7,130.40	7,662.55	7,124.80	36.19	38.60	89.45	1,047.77	247.21	665.51	590.79	74.72	8.907		
7,550.00	7,133.78	7,712.39	7,124.37	36.77	39.22	89.18	1,045.79	197.41	665.08	589.11	75.97	8.754		
7,574.97	7,134.00	7,737.35	7,124.15	37.06	39.55	89.15	1,044.80	172.47	664.94	588.32	76.62	8.679		
7,600.00	7,133.73	7,762.38	7,123.93	37.37	39.89	89.16	1,043.80	147.46	664.81	587.55	77.27	8.604		
7,700.00	7,132.66	7,862.38	7,123.05	38.71	41.33	89.17	1,039.83	47.55	664.31	584.24	80.07	8.297		
7,800.00	7,131.59	7,962.38	7,122.17	40.20	42.92	89.19	1,035.86	-52.37	663.81	580.65	83.17	7.982		
7,900.00	7,130.52	8,062.38	7,121.30	41.84	44.64	89.21	1,031.88	-152.29	663.31	576.78	86.53	7.666		
8,000.00	7,129.45	8,162.37	7,120.42	43.60	46.46	89.22	1,027.91	-252.20	662.82	572.69	90.13	7.354		
8,100.00	7,128.38	8,262.37	7,119.54	45.47	48.39	89.24	1,023.94	-352.12	662.32	568.39	93.93	7.051		
8,200.00	7,127.31	8,362.37	7,118.66	47.44	50.41	89.25	1,019.96	-452.03	661.82	563.91	97.91	6.759		
8,300.00	7,126.24	8,462.37	7,117.79	49.49	52.50	89.27	1,015.99	-551.95	661.32	559.26	102.06	6.480		
8,400.00	7,125.17	8,562.37	7,116.91	51.61	54.66	89.29	1,012.02	-651.86	660.82	554.48	106.34	6.214		
8,500.00	7,124.10	8,662.37	7,116.03	53.81	56.88	89.30	1,008.04	-751.78	660.32	549.56	110.76	5.962		
8,600.00	7,123.03	8,762.37	7,115.15	56.06	59.16	89.32	1,004.07	-851.70	659.82	544.54	115.28	5.723		
8,700.00	7,121.96	8,862.36	7,114.28	58.36	61.48	89.34	1,000.10	-951.61	659.32	539.42	119.91	5.499		
8,800.00	7,120.89	8,962.36	7,113.40	60.71	63.84	89.35	996.12	-1,051.53	658.83	534.21	124.62	5.287		
8,900.00	7,119.82	9,062.36	7,112.52	63.10	66.24	89.37	992.15	-1,151.44	658.33	528.92	129.41	5.087		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	9,162.36	7,111.65	65.53	68.68	89.38	988.18	-1,251.36	657.83	523.56	134.27	4.899		
9,100.00	7,117.68	9,262.36	7,110.77	67.98	71.14	89.40	984.20	-1,351.27	657.33	518.14	139.19	4.723		
9,200.00	7,116.61	9,362.36	7,109.89	70.47	73.64	89.42	980.23	-1,451.19	656.83	512.66	144.17	4.556		
9,300.00	7,115.54	9,462.36	7,109.01	72.98	76.15	89.43	976.26	-1,551.11	656.33	507.14	149.20	4.399		
9,400.00	7,114.47	9,562.35	7,108.14	75.52	78.69	89.45	972.29	-1,651.02	655.83	501.57	154.27	4.251		
9,500.00	7,113.40	9,662.35	7,107.26	78.08	81.25	89.47	968.31	-1,750.94	655.34	495.95	159.38	4.112		
9,600.00	7,112.33	9,762.35	7,106.38	80.65	83.83	89.48	964.34	-1,850.85	654.84	490.30	164.54	3.980		
9,700.00	7,111.26	9,862.35	7,105.50	83.25	86.42	89.50	960.37	-1,950.77	654.34	484.62	169.72	3.855		
9,800.00	7,110.19	9,962.35	7,104.63	85.86	89.03	89.52	956.39	-2,050.69	653.84	478.90	174.94	3.738		
9,900.00	7,109.12	10,062.35	7,103.75	88.48	91.65	89.53	952.42	-2,150.60	653.34	473.16	180.18	3.626		
10,000.00	7,108.04	10,162.35	7,102.87	91.12	94.29	89.55	948.45	-2,250.52	652.85	467.39	185.45	3.520		
10,100.00	7,106.97	10,262.34	7,101.99	93.77	96.94	89.57	944.47	-2,350.43	652.35	461.60	190.75	3.420		
10,200.00	7,105.90	10,362.34	7,101.12	96.43	99.59	89.58	940.50	-2,450.35	651.85	455.79	196.06	3.325		
10,300.00	7,104.83	10,462.34	7,100.24	99.10	102.26	89.60	936.53	-2,550.26	651.35	449.95	201.40	3.234		
10,400.00	7,103.76	10,562.34	7,099.36	101.78	104.94	89.62	932.55	-2,650.18	650.85	444.10	206.76	3.148		
10,500.00	7,102.69	10,662.34	7,098.48	104.47	107.62	89.63	928.58	-2,750.10	650.36	438.23	212.13	3.066		
10,600.00	7,101.62	10,762.34	7,097.61	107.16	110.32	89.65	924.61	-2,850.01	649.86	432.35	217.51	2.988		
10,700.00	7,100.55	10,862.34	7,096.73	109.87	113.02	89.67	920.63	-2,949.93	649.36	426.45	222.92	2.913		
10,800.00	7,099.48	10,962.33	7,095.85	112.58	115.72	89.68	916.66	-3,049.84	648.86	420.53	228.33	2.842		
10,900.00	7,098.41	11,062.33	7,094.97	115.29	118.44	89.70	912.69	-3,149.76	648.37	414.61	233.76	2.774		
11,000.00	7,097.34	11,162.33	7,094.10	118.02	121.16	89.72	908.71	-3,249.67	647.87	408.67	239.20	2.708		
11,100.00	7,096.27	11,262.33	7,093.22	120.74	123.88	89.73	904.74	-3,349.59	647.37	402.72	244.65	2.646		
11,200.00	7,095.20	11,362.33	7,092.34	123.48	126.61	89.75	900.77	-3,449.51	646.87	396.76	250.11	2.586		
11,300.00	7,094.13	11,462.33	7,091.47	126.22	129.35	89.77	896.80	-3,549.42	646.38	390.79	255.58	2.529		
11,400.00	7,093.06	11,562.33	7,090.59	128.96	132.08	89.78	892.82	-3,649.34	645.88	384.82	261.06	2.474		
11,500.00	7,091.99	11,662.32	7,089.71	131.71	134.83	89.80	888.85	-3,749.25	645.38	378.83	266.55	2.421		
11,600.00	7,090.92	11,762.32	7,088.83	134.46	137.57	89.82	884.88	-3,849.17	644.89	372.84	272.05	2.370		
11,700.00	7,089.85	11,862.32	7,087.96	137.21	140.32	89.83	880.90	-3,949.08	644.39	366.84	277.55	2.322		
11,800.00	7,088.78	11,962.32	7,087.08	139.97	143.08	89.85	876.93	-4,049.00	643.89	360.83	283.06	2.275		
11,900.00	7,087.71	12,062.32	7,086.20	142.73	145.84	89.87	872.96	-4,148.92	643.39	354.82	288.58	2.230		
12,000.00	7,086.64	12,162.32	7,085.32	145.50	148.60	89.89	868.98	-4,248.83	642.90	348.80	294.10	2.186		
12,100.00	7,085.57	12,262.32	7,084.45	148.26	151.36	89.90	865.01	-4,348.75	642.40	342.77	299.63	2.144		
12,200.00	7,084.50	12,362.31	7,083.57	151.03	154.13	89.92	861.04	-4,448.66	641.90	336.74	305.17	2.103		
12,300.00	7,083.43	12,462.31	7,082.69	153.81	156.90	89.94	857.06	-4,548.58	641.41	330.70	310.71	2.064		
12,400.00	7,082.36	12,562.31	7,081.81	156.58	159.67	89.95	853.09	-4,648.50	640.91	324.66	316.25	2.027		
12,500.00	7,081.29	12,662.31	7,080.94	159.36	162.44	89.97	849.12	-4,748.41	640.41	318.61	321.80	1.990		
12,600.00	7,080.22	12,762.31	7,080.06	162.14	165.22	89.99	845.14	-4,848.33	639.92	312.56	327.36	1.955		
12,700.00	7,079.15	12,862.31	7,079.18	164.92	168.00	90.01	841.17	-4,948.24	639.42	306.51	332.92	1.921		
12,800.00	7,078.08	12,962.31	7,078.30	167.71	170.78	90.02	837.20	-5,048.16	638.93	300.45	338.48	1.888		
12,900.00	7,077.01	13,062.30	7,077.43	170.49	173.56	90.04	833.22	-5,148.07	638.43	294.38	344.05	1.856		
13,000.00	7,075.93	13,162.30	7,076.55	173.28	176.34	90.06	829.25	-5,247.99	637.93	288.32	349.62	1.825		
13,100.00	7,074.86	13,262.30	7,075.67	176.07	179.13	90.08	825.28	-5,347.91	637.44	282.25	355.19	1.795		
13,200.00	7,073.79	13,362.30	7,074.80	178.86	181.92	90.09	821.31	-5,447.82	636.94	276.17	360.77	1.766		
13,300.00	7,072.72	13,462.30	7,073.92	181.65	184.71	90.11	817.33	-5,547.74	636.44	270.10	366.35	1.737		
13,400.00	7,071.65	13,562.30	7,073.04	184.45	187.50	90.13	813.36	-5,647.65	635.95	264.02	371.93	1.710		
13,500.00	7,070.58	13,662.30	7,072.16	187.25	190.29	90.15	809.39	-5,747.57	635.45	257.94	377.52	1.683		
13,600.00	7,069.51	13,762.29	7,071.29	190.04	193.08	90.16	805.41	-5,847.48	634.96	251.85	383.11	1.657		
13,700.00	7,068.44	13,862.29	7,070.41	192.84	195.88	90.18	801.44	-5,947.40	634.46	245.76	388.70	1.632		
13,800.00	7,067.37	13,962.29	7,069.53	195.64	198.68	90.20	797.47	-6,047.32	633.96	239.67	394.29	1.608		
13,900.00	7,066.30	14,062.29	7,068.65	198.44	201.47	90.22	793.49	-6,147.23	633.47	233.58	399.89	1.584		
14,000.00	7,065.23	14,162.29	7,067.78	201.24	204.27	90.23	789.52	-6,247.15	632.97	227.49	405.49	1.561		
14,100.00	7,064.16	14,262.29	7,066.90	204.05	207.07	90.25	785.55	-6,347.06	632.48	221.39	411.09	1.539		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	14,362.29	7,066.02	206.85	209.87	90.27	781.57	-6,446.98	631.98	215.29	416.69	1.517		
14,300.00	7,062.02	14,462.28	7,065.14	209.66	212.68	90.29	777.60	-6,546.89	631.49	209.19	422.30	1.495 Level 3		
14,400.00	7,060.95	14,562.28	7,064.27	212.46	215.48	90.30	773.63	-6,646.81	630.99	203.09	427.90	1.475 Level 3		
14,500.00	7,059.88	14,662.28	7,063.39	215.27	218.28	90.32	769.65	-6,746.73	630.50	196.98	433.51	1.454 Level 3		
14,600.00	7,058.81	14,762.28	7,062.51	218.08	221.09	90.34	765.68	-6,846.64	630.00	190.88	439.12	1.435 Level 3		
14,700.00	7,057.74	14,862.28	7,061.63	220.89	223.89	90.36	761.71	-6,946.56	629.50	184.77	444.73	1.415 Level 3		
14,800.00	7,056.67	14,962.28	7,060.76	223.70	226.70	90.38	757.73	-7,046.47	629.01	178.66	450.35	1.397 Level 3		
14,900.00	7,055.60	15,062.28	7,059.88	226.51	229.51	90.39	753.76	-7,146.39	628.51	172.55	455.96	1.378 Level 3		
15,000.00	7,054.53	15,162.27	7,059.00	229.32	232.32	90.41	749.79	-7,246.31	628.02	166.44	461.58	1.361 Level 3		
15,100.00	7,053.46	15,262.27	7,058.12	232.14	235.13	90.43	745.82	-7,346.22	627.52	160.33	467.20	1.343 Level 3		
15,200.00	7,052.39	15,362.27	7,057.25	234.95	237.94	90.45	741.84	-7,446.14	627.03	154.21	472.82	1.326 Level 3		
15,300.00	7,051.32	15,462.27	7,056.37	237.76	240.75	90.47	737.87	-7,546.05	626.53	148.09	478.44	1.310 Level 3		
15,400.00	7,050.25	15,562.27	7,055.49	240.58	243.56	90.48	733.90	-7,645.97	626.04	141.98	484.06	1.293 Level 3		
15,500.00	7,049.18	15,662.27	7,054.62	243.39	246.37	90.50	729.92	-7,745.88	625.55	135.86	489.69	1.277 Level 3		
15,600.00	7,048.11	15,762.27	7,053.74	246.21	249.18	90.52	725.95	-7,845.80	625.05	129.74	495.31	1.262 Level 3		
15,688.71	7,047.16	15,850.98	7,052.96	248.71	251.68	90.54	722.42	-7,934.44	624.61	124.31	500.30	1.248 Level 2, SF		
15,703.32	7,047.00	15,846.35	7,053.00	249.12	251.55	90.53	722.61	-7,929.81	624.84	124.44	500.40	1.249 Level 2		
15,703.90	7,046.99	15,846.35	7,053.00	249.13	251.55	90.53	722.61	-7,929.81	624.85	124.45	500.40	1.249 Level 2		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	5.59	59.75	5.85	60.04					
100.00	100.00	100.00	100.00	3.28	3.28	5.59	59.75	5.85	60.04	53.47	6.57	9.139		
200.00	200.00	200.00	200.00	3.34	3.34	5.59	59.75	5.85	60.04	53.36	6.67	8.996		
300.00	300.00	300.00	300.00	3.44	3.44	5.59	59.75	5.85	60.04	53.15	6.89	8.714 CC, ES		
400.00	399.98	398.12	398.10	3.60	3.60	-61.80	61.21	6.69	60.76	53.55	7.21	8.429		
500.00	499.84	496.17	496.02	3.80	3.80	-63.92	65.56	9.22	62.97	55.35	7.62	8.262		
600.00	599.45	594.24	593.72	4.05	4.04	-67.07	72.76	13.49	66.79	58.68	8.11	8.232		
700.00	698.70	692.37	691.15	4.32	4.31	-70.51	82.44	20.00	72.01	63.34	8.67	8.307		
740.00	738.27	731.59	729.98	4.45	4.43	-71.89	86.98	23.25	74.48	65.57	8.91	8.363		
800.00	797.57	790.40	788.03	4.63	4.61	-73.57	94.50	28.81	78.79	69.52	9.28	8.492		
900.00	896.39	888.23	884.16	4.96	4.93	-74.58	108.90	39.90	87.75	77.81	9.94	8.827		
1,000.00	995.21	985.67	979.22	5.32	5.28	-73.85	125.58	53.21	98.80	88.15	10.65	9.280		
1,100.00	1,094.03	1,083.55	1,074.03	5.69	5.65	-72.06	144.42	68.62	111.79	100.41	11.39	9.819		
1,200.00	1,192.86	1,182.59	1,169.83	6.07	6.06	-70.43	163.85	84.56	125.22	113.07	12.16	10.302		
1,300.00	1,291.68	1,281.63	1,265.62	6.47	6.48	-69.13	183.28	100.50	138.73	125.78	12.95	10.713		
1,400.00	1,390.50	1,380.67	1,361.42	6.88	6.91	-68.06	202.71	116.44	152.30	138.54	13.77	11.064		
1,500.00	1,489.33	1,479.70	1,457.22	7.29	7.35	-67.16	222.14	132.39	165.91	151.31	14.60	11.364		
1,600.00	1,588.15	1,578.74	1,553.01	7.71	7.81	-66.40	241.57	148.33	179.56	164.11	15.45	11.624		
1,700.00	1,686.97	1,677.78	1,648.81	8.14	8.27	-65.74	261.00	164.27	193.23	176.92	16.31	11.849		
1,800.00	1,785.79	1,776.82	1,744.61	8.57	8.74	-65.17	280.42	180.21	206.93	189.75	17.18	12.045		
1,900.00	1,884.62	1,875.86	1,840.40	9.01	9.21	-64.68	299.85	196.15	220.64	202.58	18.06	12.217		
2,000.00	1,983.44	1,974.90	1,936.20	9.45	9.69	-64.24	319.28	212.10	234.36	215.41	18.95	12.368		
2,100.00	2,082.26	2,073.94	2,032.00	9.89	10.17	-63.85	338.71	228.04	248.10	228.26	19.84	12.502		
2,200.00	2,181.09	2,172.97	2,127.79	10.33	10.65	-63.50	358.14	243.98	261.85	241.10	20.75	12.621		
2,300.00	2,279.91	2,272.01	2,223.59	10.78	11.14	-63.18	377.57	259.92	275.60	253.95	21.65	12.728		
2,400.00	2,378.73	2,371.05	2,319.39	11.23	11.63	-62.90	397.00	275.86	289.37	266.80	22.57	12.824		
2,500.00	2,477.55	2,470.09	2,415.18	11.68	12.12	-62.64	416.42	291.80	303.14	279.66	23.48	12.910		
2,600.00	2,576.38	2,569.13	2,510.98	12.13	12.62	-62.40	435.85	307.75	316.91	292.51	24.40	12.988		
2,700.00	2,675.20	2,668.17	2,606.78	12.59	13.11	-62.19	455.28	323.69	330.70	305.37	25.32	13.059		
2,800.00	2,774.02	2,767.21	2,702.57	13.04	13.61	-61.99	474.71	339.63	344.48	318.23	26.25	13.124		
2,900.00	2,872.85	2,866.24	2,798.37	13.50	14.11	-61.80	494.14	355.57	358.27	331.09	27.18	13.183		
3,000.00	2,971.67	2,965.28	2,894.17	13.96	14.61	-61.63	513.57	371.51	372.06	343.95	28.11	13.237		
3,100.00	3,070.49	3,064.32	2,989.96	14.41	15.11	-61.48	533.00	387.45	385.86	356.82	29.04	13.287		
3,200.00	3,169.31	3,163.36	3,085.76	14.87	15.62	-61.33	552.42	403.40	399.65	369.68	29.98	13.333		
3,300.00	3,268.14	3,262.40	3,181.56	15.33	16.12	-61.19	571.85	419.34	413.45	382.54	30.91	13.375		
3,400.00	3,366.96	3,361.44	3,277.35	15.79	16.62	-61.06	591.28	435.28	427.26	395.41	31.85	13.414		
3,500.00	3,465.78	3,460.47	3,373.15	16.25	17.13	-60.94	610.71	451.22	441.06	408.27	32.79	13.451		
3,600.00	3,564.61	3,559.51	3,468.95	16.72	17.64	-60.83	630.14	467.16	454.87	421.14	33.73	13.485		
3,700.00	3,663.43	3,658.55	3,564.74	17.18	18.14	-60.72	649.57	483.11	468.67	434.00	34.67	13.517		
3,800.00	3,762.25	3,757.59	3,660.54	17.64	18.65	-60.62	669.00	499.05	482.48	446.87	35.62	13.546		
3,900.00	3,861.07	3,856.63	3,756.34	18.10	19.16	-60.53	688.42	514.99	496.29	459.73	36.56	13.574		
4,000.00	3,959.90	3,955.67	3,852.13	18.57	19.67	-60.44	707.85	530.93	510.11	472.60	37.51	13.600		
4,100.00	4,058.72	4,054.71	3,947.93	19.03	20.18	-60.35	727.28	546.87	523.92	485.47	38.45	13.625		
4,200.00	4,157.54	4,153.74	4,043.73	19.50	20.69	-60.27	746.71	562.81	537.73	498.33	39.40	13.648		
4,300.00	4,256.37	4,252.78	4,139.53	19.96	21.19	-60.20	766.14	578.76	551.55	511.20	40.35	13.669		
4,400.00	4,355.19	4,351.82	4,235.32	20.43	21.71	-60.12	785.57	594.70	565.36	524.07	41.30	13.690		
4,500.00	4,454.01	4,450.86	4,331.12	20.89	22.22	-60.05	805.00	610.64	579.18	536.93	42.25	13.709		
4,600.00	4,552.83	4,549.90	4,426.92	21.36	22.73	-59.99	824.42	626.58	593.00	549.80	43.20	13.728		
4,700.00	4,651.66	4,648.94	4,522.71	21.82	23.24	-59.92	843.85	642.52	606.82	562.67	44.15	13.745		
4,800.00	4,750.48	4,747.98	4,618.51	22.29	23.75	-59.86	863.28	658.46	620.64	575.54	45.10	13.761		
4,900.00	4,849.30	4,847.01	4,714.31	22.76	24.26	-59.81	882.71	674.41	634.46	588.40	46.05	13.777		
5,000.00	4,948.13	4,946.05	4,810.10	23.22	24.77	-59.75	902.14	690.35	648.28	601.27	47.00	13.792		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,045.09	4,905.90	23.69	25.28	-59.70	921.57	706.29	662.10	614.14	47.96	13.806		
5,200.00	5,145.77	5,144.13	5,001.70	24.16	25.80	-59.65	940.99	722.23	675.92	627.01	48.91	13.820		
5,300.00	5,244.59	5,243.17	5,097.49	24.62	26.31	-59.60	960.42	738.17	689.74	639.88	49.86	13.833		
5,400.00	5,343.42	5,342.21	5,193.29	25.09	26.82	-59.55	979.85	754.11	703.56	652.75	50.82	13.845		
5,500.00	5,442.24	5,441.24	5,289.09	25.56	27.34	-59.51	999.28	770.06	717.39	665.61	51.77	13.857		
5,600.00	5,541.06	5,540.28	5,384.88	26.03	27.85	-59.46	1,018.71	786.00	731.21	678.48	52.73	13.868		
5,700.00	5,639.89	5,639.32	5,480.68	26.50	28.36	-59.42	1,038.14	801.94	745.03	691.35	53.68	13.879		
5,800.00	5,738.71	5,738.36	5,576.48	26.96	28.88	-59.38	1,057.57	817.88	758.86	704.22	54.64	13.889		
5,900.00	5,837.53	5,837.40	5,672.27	27.43	29.39	-59.34	1,076.99	833.82	772.68	717.09	55.59	13.899		
6,000.00	5,936.35	5,936.44	5,768.07	27.90	29.90	-59.31	1,096.42	849.77	786.51	729.96	56.55	13.908		
6,100.00	6,035.18	6,035.48	5,863.87	28.37	30.42	-59.27	1,115.85	865.71	800.33	742.82	57.51	13.917		
6,200.00	6,134.00	6,134.51	5,959.66	28.84	30.93	-59.23	1,135.28	881.65	814.16	755.69	58.46	13.926		
6,300.00	6,232.82	6,233.55	6,055.46	29.31	31.45	-59.20	1,154.71	897.59	827.98	768.56	59.42	13.935		
6,400.00	6,331.64	6,332.59	6,151.26	29.77	31.96	-59.17	1,174.14	913.53	841.81	781.43	60.38	13.943		
6,477.15	6,407.89	6,411.82	6,227.92	30.14	32.37	-59.15	1,189.68	926.13	852.46	791.31	61.14	13.942		
6,500.00	6,430.52	6,440.12	6,255.47	30.24	32.51	-53.24	1,195.21	929.45	855.53	794.11	61.42	13.930		
6,550.00	6,480.31	6,502.01	6,316.10	30.46	32.79	-18.61	1,207.18	932.33	862.17	800.19	61.98	13.911		
6,600.00	6,530.22	6,563.74	6,376.61	30.66	33.04	48.91	1,218.87	929.22	868.66	806.16	62.49	13.900		
6,650.00	6,579.93	6,625.20	6,436.32	30.85	33.27	72.76	1,230.14	920.22	874.97	811.99	62.98	13.892		
6,700.00	6,629.13	6,686.27	6,494.60	31.04	33.47	80.29	1,240.88	905.52	881.07	817.61	63.46	13.885		
6,750.00	6,677.53	6,746.87	6,550.83	31.23	33.68	83.39	1,250.97	885.40	886.94	823.01	63.93	13.874		
6,800.00	6,724.83	6,806.88	6,604.47	31.43	33.88	84.77	1,260.33	860.21	892.55	828.15	64.40	13.859		
6,850.00	6,770.73	6,866.25	6,655.04	31.63	34.08	85.30	1,268.89	830.37	897.89	833.00	64.89	13.837		
6,900.00	6,814.95	6,924.89	6,702.15	31.84	34.28	85.36	1,276.58	796.33	902.93	837.53	65.40	13.806		
6,950.00	6,857.22	6,982.76	6,745.46	32.06	34.51	85.14	1,283.37	758.58	907.66	841.72	65.94	13.765		
7,000.00	6,897.28	7,039.81	6,784.73	32.29	34.74	84.74	1,289.22	717.63	912.07	845.55	66.52	13.711		
7,050.00	6,934.88	7,096.03	6,819.76	32.54	35.01	84.22	1,294.13	673.98	916.14	848.99	67.15	13.643		
7,100.00	6,969.79	7,151.37	6,850.46	32.81	35.31	83.62	1,298.09	628.12	919.86	852.03	67.83	13.561		
7,150.00	7,001.79	7,205.84	6,876.77	33.11	35.65	82.97	1,301.11	580.53	923.22	854.64	68.57	13.464		
7,200.00	7,030.69	7,259.45	6,898.68	33.44	36.03	82.30	1,303.22	531.67	926.20	856.82	69.37	13.351		
7,250.00	7,056.31	7,312.18	6,916.23	33.81	36.45	81.62	1,304.45	481.98	928.79	858.56	70.23	13.224		
7,300.00	7,078.48	7,364.06	6,929.52	34.21	36.91	80.94	1,304.81	431.84	930.99	859.84	71.15	13.085		
7,350.00	7,097.08	7,415.11	6,938.64	34.65	37.40	80.27	1,304.37	381.63	932.79	860.67	72.12	12.934		
7,400.00	7,112.00	7,465.36	6,943.74	35.12	37.93	79.61	1,303.14	331.67	934.17	861.04	73.14	12.773		
7,450.00	7,123.12	7,514.82	6,944.97	35.64	38.47	78.99	1,301.19	282.28	935.13	860.95	74.19	12.605		
7,500.00	7,130.40	7,564.19	6,944.52	36.19	39.07	78.51	1,298.91	232.96	935.65	860.33	75.32	12.423		
7,550.00	7,133.78	7,614.03	6,944.07	36.77	39.71	78.29	1,296.61	183.18	935.65	859.13	76.52	12.227		
7,574.97	7,134.00	7,638.99	6,943.84	37.06	40.05	78.28	1,295.46	158.24	935.43	858.27	77.16	12.123		
7,600.00	7,133.73	7,664.02	6,943.61	37.37	40.40	78.28	1,294.30	133.24	935.15	857.32	77.82	12.016		
7,700.00	7,132.66	7,764.01	6,942.70	38.71	41.88	78.27	1,289.68	33.36	934.00	853.35	80.65	11.581		
7,800.00	7,131.59	7,864.01	6,941.79	40.20	43.51	78.27	1,285.07	-66.52	932.85	849.10	83.75	11.139		
7,900.00	7,130.52	7,964.00	6,940.88	41.84	45.26	78.26	1,280.45	-166.40	931.70	844.60	87.10	10.697		
8,000.00	7,129.45	8,063.99	6,939.96	43.60	47.12	78.26	1,275.83	-266.29	930.55	839.88	90.67	10.263		
8,100.00	7,128.38	8,163.99	6,939.05	45.47	49.08	78.25	1,271.22	-366.17	929.40	834.96	94.43	9.842		
8,200.00	7,127.31	8,263.98	6,938.14	47.44	51.12	78.25	1,266.60	-466.05	928.25	829.88	98.37	9.436		
8,300.00	7,126.24	8,363.97	6,937.23	49.49	53.23	78.24	1,261.98	-565.93	927.10	824.63	102.46	9.048		
8,400.00	7,125.17	8,463.97	6,936.32	51.61	55.42	78.24	1,257.37	-665.82	925.95	819.26	106.69	8.679		
8,500.00	7,124.10	8,563.96	6,935.41	53.81	57.65	78.23	1,252.75	-765.70	924.80	813.76	111.04	8.329		
8,600.00	7,123.03	8,663.95	6,934.49	56.06	59.95	78.23	1,248.13	-865.58	923.65	808.16	115.49	7.998		
8,700.00	7,121.96	8,763.95	6,933.58	58.36	62.28	78.22	1,243.51	-965.47	922.50	802.47	120.04	7.685		
8,800.00	7,120.89	8,863.94	6,932.67	60.71	64.66	78.22	1,238.90	-1,065.35	921.35	796.69	124.67	7.391		
8,900.00	7,119.82	8,963.93	6,931.76	63.10	67.07	78.21	1,234.28	-1,165.23	920.20	790.83	129.37	7.113		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	9,063.93	6,930.85	65.53	69.52	78.21	1,229.66	-1,265.11	919.05	784.91	134.14	6.851		
9,100.00	7,117.68	9,163.92	6,929.94	67.98	71.99	78.20	1,225.05	-1,365.00	917.91	778.93	138.97	6.605		
9,200.00	7,116.61	9,263.91	6,929.02	70.47	74.49	78.20	1,220.43	-1,464.88	916.76	772.90	143.86	6.373		
9,300.00	7,115.54	9,363.91	6,928.11	72.98	77.02	78.19	1,215.81	-1,564.76	915.61	766.81	148.79	6.154		
9,400.00	7,114.47	9,463.90	6,927.20	75.52	79.56	78.19	1,211.20	-1,664.64	914.46	760.69	153.77	5.947		
9,500.00	7,113.40	9,563.89	6,926.29	78.08	82.13	78.18	1,206.58	-1,764.53	913.31	754.52	158.79	5.752		
9,600.00	7,112.33	9,663.89	6,925.38	80.65	84.71	78.18	1,201.96	-1,864.41	912.16	748.32	163.84	5.567		
9,700.00	7,111.26	9,763.88	6,924.47	83.25	87.31	78.17	1,197.35	-1,964.29	911.01	742.08	168.93	5.393		
9,800.00	7,110.19	9,863.87	6,923.55	85.86	89.92	78.17	1,192.73	-2,064.17	909.86	735.82	174.04	5.228		
9,900.00	7,109.12	9,963.87	6,922.64	88.48	92.54	78.16	1,188.11	-2,164.06	908.71	729.52	179.19	5.071		
10,000.00	7,108.04	10,063.86	6,921.73	91.12	95.18	78.16	1,183.50	-2,263.94	907.56	723.21	184.35	4.923		
10,100.00	7,106.97	10,163.85	6,920.82	93.77	97.83	78.15	1,178.88	-2,363.82	906.41	716.87	189.55	4.782		
10,200.00	7,105.90	10,263.85	6,919.91	96.43	100.49	78.15	1,174.26	-2,463.70	905.26	710.51	194.76	4.648		
10,300.00	7,104.83	10,363.84	6,919.00	99.10	103.16	78.14	1,169.65	-2,563.59	904.11	704.13	199.99	4.521		
10,400.00	7,103.76	10,463.83	6,918.08	101.78	105.84	78.14	1,165.03	-2,663.47	902.97	697.73	205.24	4.400		
10,500.00	7,102.69	10,563.83	6,917.17	104.47	108.52	78.13	1,160.41	-2,763.35	901.82	691.31	210.50	4.284		
10,600.00	7,101.62	10,663.82	6,916.26	107.16	111.22	78.13	1,155.79	-2,863.23	900.67	684.88	215.79	4.174		
10,700.00	7,100.55	10,763.81	6,915.35	109.87	113.92	78.12	1,151.18	-2,963.12	899.52	678.44	221.08	4.069		
10,800.00	7,099.48	10,863.81	6,914.44	112.58	116.63	78.12	1,146.56	-3,063.00	898.37	671.98	226.39	3.968		
10,900.00	7,098.41	10,963.80	6,913.53	115.29	119.34	78.11	1,141.94	-3,162.88	897.22	665.51	231.71	3.872		
11,000.00	7,097.34	11,063.79	6,912.61	118.02	122.06	78.11	1,137.33	-3,262.76	896.07	659.03	237.04	3.780		
11,100.00	7,096.27	11,163.79	6,911.70	120.74	124.78	78.10	1,132.71	-3,362.65	894.92	652.54	242.38	3.692		
11,200.00	7,095.20	11,263.78	6,910.79	123.48	127.51	78.10	1,128.09	-3,462.53	893.77	646.03	247.74	3.608		
11,300.00	7,094.13	11,363.77	6,909.88	126.22	130.25	78.09	1,123.48	-3,562.41	892.62	639.52	253.10	3.527		
11,400.00	7,093.06	11,463.77	6,908.97	128.96	132.98	78.09	1,118.86	-3,662.29	891.47	633.00	258.47	3.449		
11,500.00	7,091.99	11,563.76	6,908.06	131.71	135.73	78.08	1,114.24	-3,762.18	890.32	626.48	263.85	3.374		
11,600.00	7,090.92	11,663.75	6,907.14	134.46	138.47	78.08	1,109.63	-3,862.06	889.18	619.94	269.24	3.303		
11,700.00	7,089.85	11,763.75	6,906.23	137.21	141.22	78.07	1,105.01	-3,961.94	888.03	613.40	274.63	3.234		
11,800.00	7,088.78	11,863.74	6,905.32	139.97	143.97	78.07	1,100.39	-4,061.82	886.88	606.85	280.03	3.167		
11,900.00	7,087.71	11,963.73	6,904.41	142.73	146.73	78.06	1,095.78	-4,161.71	885.73	600.29	285.44	3.103		
12,000.00	7,086.64	12,063.73	6,903.50	145.50	149.49	78.06	1,091.16	-4,261.59	884.58	593.73	290.85	3.041		
12,100.00	7,085.57	12,163.72	6,902.59	148.26	152.25	78.05	1,086.54	-4,361.47	883.43	587.16	296.27	2.982		
12,200.00	7,084.50	12,263.71	6,901.67	151.03	155.02	78.05	1,081.93	-4,461.36	882.28	580.59	301.69	2.924		
12,300.00	7,083.43	12,363.71	6,900.76	153.81	157.79	78.04	1,077.31	-4,561.24	881.13	574.01	307.12	2.869		
12,400.00	7,082.36	12,463.70	6,899.85	156.58	160.56	78.04	1,072.69	-4,661.12	879.98	567.43	312.55	2.815		
12,500.00	7,081.29	12,563.69	6,898.94	159.36	163.33	78.03	1,068.08	-4,761.00	878.83	560.84	317.99	2.764		
12,600.00	7,080.22	12,663.69	6,898.03	162.14	166.10	78.03	1,063.46	-4,860.89	877.68	554.25	323.43	2.714		
12,700.00	7,079.15	12,763.68	6,897.12	164.92	168.88	78.02	1,058.84	-4,960.77	876.54	547.66	328.88	2.665		
12,800.00	7,078.08	12,863.67	6,896.20	167.71	171.66	78.01	1,054.22	-5,060.65	875.39	541.06	334.33	2.618		
12,900.00	7,077.01	12,963.67	6,895.29	170.49	174.44	78.01	1,049.61	-5,160.53	874.24	534.45	339.79	2.573		
13,000.00	7,075.93	13,063.66	6,894.38	173.28	177.22	78.00	1,044.99	-5,260.42	873.09	527.85	345.24	2.529		
13,100.00	7,074.86	13,163.65	6,893.47	176.07	180.01	78.00	1,040.37	-5,360.30	871.94	521.24	350.70	2.486		
13,200.00	7,073.79	13,263.65	6,892.56	178.86	182.79	77.99	1,035.76	-5,460.18	870.79	514.62	356.17	2.445		
13,300.00	7,072.72	13,363.64	6,891.65	181.65	185.58	77.99	1,031.14	-5,560.06	869.64	508.01	361.63	2.405		
13,400.00	7,071.65	13,463.63	6,890.73	184.45	188.37	77.98	1,026.52	-5,659.95	868.49	501.39	367.10	2.366		
13,500.00	7,070.58	13,563.63	6,889.82	187.25	191.16	77.98	1,021.91	-5,759.83	867.34	494.77	372.58	2.328		
13,600.00	7,069.51	13,663.62	6,888.91	190.04	193.95	77.97	1,017.29	-5,859.71	866.20	488.14	378.05	2.291		
13,700.00	7,068.44	13,763.61	6,888.00	192.84	196.74	77.97	1,012.67	-5,959.59	865.05	481.52	383.53	2.255		
13,800.00	7,067.37	13,863.61	6,887.09	195.64	199.54	77.96	1,008.06	-6,059.48	863.90	474.89	389.01	2.221		
13,900.00	7,066.30	13,963.60	6,886.18	198.44	202.33	77.95	1,003.44	-6,159.36	862.75	468.26	394.49	2.187		
14,000.00	7,065.23	14,063.59	6,885.26	201.24	205.13	77.95	998.82	-6,259.24	861.60	461.63	399.97	2.154		
14,100.00	7,064.16	14,163.59	6,884.35	204.05	207.93	77.94	994.21	-6,359.12	860.45	454.99	405.46	2.122		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	14,263.58	6,883.44	206.85	210.73	77.94	989.59	-6,459.01	859.30	448.35	410.95	2.091		
14,300.00	7,062.02	14,363.57	6,882.53	209.66	213.53	77.93	984.97	-6,558.89	858.15	441.71	416.44	2.061		
14,400.00	7,060.95	14,463.57	6,881.62	212.46	216.33	77.93	980.36	-6,658.77	857.00	435.07	421.93	2.031		
14,500.00	7,059.88	14,563.56	6,880.71	215.27	219.13	77.92	975.74	-6,758.65	855.85	428.43	427.42	2.002		
14,600.00	7,058.81	14,663.55	6,879.80	218.08	221.93	77.92	971.12	-6,858.54	854.71	421.79	432.92	1.974		
14,700.00	7,057.74	14,763.55	6,878.88	220.89	224.74	77.91	966.51	-6,958.42	853.56	415.14	438.41	1.947		
14,800.00	7,056.67	14,863.54	6,877.97	223.70	227.54	77.90	961.89	-7,058.30	852.41	408.50	443.91	1.920		
14,900.00	7,055.60	14,963.53	6,877.06	226.51	230.35	77.90	957.27	-7,158.18	851.26	401.85	449.41	1.894		
15,000.00	7,054.53	15,063.53	6,876.15	229.32	233.15	77.89	952.65	-7,258.07	850.11	395.20	454.91	1.869		
15,100.00	7,053.46	15,163.52	6,875.24	232.14	235.96	77.89	948.04	-7,357.95	848.96	388.55	460.41	1.844		
15,200.00	7,052.39	15,263.51	6,874.33	234.95	238.77	77.88	943.42	-7,457.83	847.81	381.89	465.92	1.820		
15,300.00	7,051.32	15,363.51	6,873.41	237.76	241.58	77.88	938.80	-7,557.71	846.66	375.24	471.42	1.796		
15,400.00	7,050.25	15,463.50	6,872.50	240.58	244.38	77.87	934.19	-7,657.60	845.52	368.59	476.93	1.773		
15,500.00	7,049.18	15,563.49	6,871.59	243.39	247.19	77.86	929.57	-7,757.48	844.37	361.93	482.43	1.750		
15,600.00	7,048.11	15,663.49	6,870.68	246.21	250.00	77.86	924.95	-7,857.36	843.22	355.27	487.94	1.728		
15,684.72	7,047.20	15,738.53	6,869.99	248.59	252.11	77.85	921.49	-7,932.32	842.30	349.94	492.36	1.711		
15,703.32	7,047.00	15,738.53	6,869.99	249.12	252.11	77.85	921.49	-7,932.32	842.51	349.78	492.72	1.710 SF		
15,703.90	7,046.99	15,738.53	6,869.99	249.13	252.11	77.85	921.49	-7,932.32	842.52	349.79	492.73	1.710		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	29.88	3.06	30.04					
100.00	100.00	100.00	100.00	3.28	3.28	5.85	29.88	3.06	30.04	23.47	6.57	4.572		
200.00	200.00	200.00	200.00	3.34	3.34	5.85	29.88	3.06	30.04	23.36	6.67	4.501		
300.00	300.00	300.00	300.00	3.44	3.44	5.85	29.88	3.06	30.04	23.15	6.89	4.360 CC		
400.00	399.98	399.21	399.19	3.60	3.60	-61.51	31.05	4.32	30.49	23.28	7.21	4.231		
500.00	499.84	498.41	498.25	3.80	3.80	-63.51	34.56	8.08	31.88	24.27	7.62	4.186		
600.00	599.45	597.56	597.03	4.05	4.04	-66.47	40.41	14.35	34.28	26.17	8.11	4.228		
700.00	698.70	696.65	695.39	4.32	4.32	-69.95	48.58	23.11	37.76	29.09	8.66	4.358		
740.00	738.27	736.27	734.59	4.45	4.44	-71.40	52.49	27.31	39.47	30.57	8.90	4.433		
800.00	797.57	795.67	793.20	4.63	4.62	-72.81	59.05	34.34	42.57	33.29	9.28	4.588		
900.00	896.39	890.59	890.15	4.96	5.01	-72.15	71.78	47.99	49.41	39.40	10.01	4.938		
1,000.00	995.21	1,005.94	987.61	5.32	5.36	-70.07	85.96	63.20	57.49	46.78	10.71	5.369		
1,100.00	1,094.03	1,106.29	1,085.08	5.69	5.74	-68.50	100.13	78.40	65.63	54.17	11.46	5.728		
1,200.00	1,192.86	1,206.63	1,182.54	6.07	6.14	-67.28	114.31	93.60	73.80	61.57	12.24	6.032		
1,300.00	1,291.68	1,306.98	1,280.00	6.47	6.56	-66.31	128.49	108.80	82.01	68.97	13.04	6.290		
1,400.00	1,390.50	1,407.32	1,377.46	6.88	6.98	-65.51	142.66	124.01	90.23	76.37	13.86	6.511		
1,500.00	1,489.33	1,507.67	1,474.92	7.29	7.42	-64.84	156.84	139.21	98.46	83.77	14.69	6.701		
1,600.00	1,588.15	1,608.01	1,572.39	7.71	7.86	-64.28	171.02	154.41	106.71	91.16	15.55	6.864		
1,700.00	1,686.97	1,708.36	1,669.85	8.14	8.31	-63.80	185.19	169.62	114.96	98.56	16.41	7.007		
1,800.00	1,785.79	1,808.71	1,767.31	8.57	8.76	-63.38	199.37	184.82	123.23	105.95	17.28	7.131		
1,900.00	1,884.62	1,909.05	1,864.77	9.01	9.22	-63.02	213.55	200.02	131.50	113.34	18.16	7.241		
2,000.00	1,983.44	2,009.40	1,962.24	9.45	9.69	-62.70	227.73	215.22	139.77	120.72	19.05	7.338		
2,100.00	2,082.26	2,109.74	2,059.70	9.89	10.15	-62.41	241.90	230.43	148.05	128.10	19.94	7.424		
2,200.00	2,181.09	2,189.91	2,157.16	10.33	10.53	-62.16	256.08	245.63	156.33	135.58	20.75	7.534		
2,300.00	2,279.91	2,289.57	2,254.62	10.78	11.00	-61.93	270.26	260.83	164.61	142.96	21.65	7.603		
2,400.00	2,378.73	2,389.22	2,352.08	11.23	11.47	-61.72	284.43	276.04	172.89	150.34	22.56	7.665		
2,500.00	2,477.55	2,488.87	2,449.55	11.68	11.94	-61.53	298.61	291.24	181.18	157.72	23.47	7.721		
2,600.00	2,576.38	2,588.53	2,547.01	12.13	12.41	-61.36	312.79	306.44	189.47	165.09	24.38	7.772		
2,700.00	2,675.20	2,688.18	2,644.47	12.59	12.89	-61.20	326.96	321.64	197.76	172.47	25.29	7.819		
2,800.00	2,774.02	2,787.84	2,741.93	13.04	13.36	-61.05	341.14	336.85	206.05	179.84	26.21	7.861		
2,900.00	2,872.85	2,887.49	2,839.39	13.50	13.84	-60.92	355.32	352.05	214.35	187.21	27.13	7.900		
3,000.00	2,971.67	2,987.15	2,936.86	13.96	14.32	-60.80	369.49	367.25	222.64	194.59	28.06	7.936		
3,100.00	3,070.49	3,086.80	3,034.32	14.41	14.80	-60.68	383.67	382.46	230.94	201.96	28.98	7.969		
3,200.00	3,169.31	3,186.45	3,131.78	14.87	15.28	-60.58	397.85	397.66	239.23	209.33	29.91	7.999		
3,300.00	3,268.14	3,286.11	3,229.24	15.33	15.77	-60.48	412.03	412.86	247.53	216.69	30.84	8.027		
3,400.00	3,366.96	3,385.76	3,326.71	15.79	16.25	-60.38	426.20	428.07	255.83	224.06	31.77	8.054		
3,500.00	3,465.78	3,485.42	3,424.17	16.25	16.73	-60.29	440.38	443.27	264.13	231.43	32.70	8.078		
3,600.00	3,564.61	3,585.07	3,521.63	16.72	17.22	-60.21	454.56	458.47	272.42	238.79	33.63	8.101		
3,700.00	3,663.43	3,684.73	3,619.09	17.18	17.70	-60.14	468.73	473.67	280.72	246.16	34.56	8.122		
3,800.00	3,762.25	3,784.38	3,716.55	17.64	18.19	-60.06	482.91	488.88	289.02	253.53	35.50	8.142		
3,900.00	3,861.07	3,884.04	3,814.02	18.10	18.67	-59.99	497.09	504.08	297.32	260.89	36.43	8.161		
4,000.00	3,959.90	3,983.69	3,911.48	18.57	19.16	-59.93	511.26	519.28	305.62	268.25	37.37	8.178		
4,100.00	4,058.72	4,083.34	4,008.94	19.03	19.65	-59.87	525.44	534.49	313.93	275.62	38.31	8.195		
4,200.00	4,157.54	4,183.00	4,106.40	19.50	20.13	-59.81	539.62	549.69	322.23	282.98	39.25	8.210		
4,300.00	4,256.37	4,282.65	4,203.86	19.96	20.62	-59.75	553.80	564.89	330.53	290.34	40.19	8.225		
4,400.00	4,355.19	4,382.31	4,301.33	20.43	21.11	-59.70	567.97	580.09	338.83	297.71	41.13	8.239		
4,500.00	4,454.01	4,481.96	4,398.79	20.89	21.60	-59.65	582.15	595.30	347.13	305.07	42.07	8.252		
4,600.00	4,552.83	4,581.62	4,496.25	21.36	22.09	-59.60	596.33	610.50	355.44	312.43	43.01	8.265		
4,700.00	4,651.66	4,681.27	4,593.71	21.82	22.58	-59.56	610.50	625.70	363.74	319.79	43.95	8.276		
4,800.00	4,750.48	4,780.92	4,691.18	22.29	23.06	-59.51	624.68	640.91	372.04	327.15	44.89	8.288		
4,900.00	4,849.30	4,880.58	4,788.64	22.76	23.55	-59.47	638.86	656.11	380.34	334.51	45.83	8.298		
5,000.00	4,948.13	4,980.23	4,886.10	23.22	24.04	-59.43	653.03	671.31	388.65	341.87	46.78	8.309		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,079.89	4,983.56	23.69	24.53	-59.39	667.21	686.51	396.95	349.23	47.72	8.318		
5,200.00	5,145.77	5,179.54	5,081.02	24.16	25.02	-59.36	681.39	701.72	405.26	356.59	48.66	8.328		
5,300.00	5,244.59	5,279.20	5,178.49	24.62	25.51	-59.32	695.56	716.92	413.56	363.95	49.61	8.336		
5,400.00	5,343.42	5,378.85	5,275.95	25.09	26.00	-59.29	709.74	732.12	421.86	371.31	50.55	8.345		
5,500.00	5,442.24	5,478.50	5,373.41	25.56	26.49	-59.25	723.92	747.33	430.17	378.67	51.50	8.353		
5,600.00	5,541.06	5,578.16	5,470.87	26.03	26.98	-59.22	738.10	762.53	438.47	386.03	52.44	8.361		
5,700.00	5,639.89	5,677.81	5,568.33	26.50	27.48	-59.19	752.27	777.73	446.78	393.39	53.39	8.368		
5,800.00	5,738.71	5,777.47	5,665.80	26.96	27.97	-59.16	766.45	792.93	455.08	400.75	54.34	8.375		
5,900.00	5,837.53	5,877.12	5,763.26	27.43	28.46	-59.14	780.63	808.14	463.39	408.10	55.28	8.382		
6,000.00	5,936.35	5,976.78	5,860.72	27.90	28.95	-59.11	794.80	823.34	471.69	415.46	56.23	8.389		
6,100.00	6,035.18	6,076.43	5,958.18	28.37	29.44	-59.08	808.98	838.54	480.00	422.82	57.17	8.395		
6,200.00	6,134.00	6,176.08	6,055.65	28.84	29.93	-59.06	823.16	853.75	488.30	430.18	58.12	8.401		
6,300.00	6,232.82	6,275.74	6,153.11	29.31	30.42	-59.03	837.33	868.95	496.61	437.54	59.07	8.407		
6,400.00	6,331.64	6,375.39	6,250.57	29.77	30.91	-59.01	851.51	884.15	504.91	444.89	60.02	8.413		
6,477.15	6,407.89	6,458.60	6,332.19	30.14	31.31	-59.20	863.30	894.99	511.05	450.25	60.81	8.404		
6,500.00	6,430.52	6,484.63	6,357.93	30.24	31.43	-53.33	866.92	896.44	512.67	451.62	61.05	8.398		
6,550.00	6,480.31	6,541.33	6,414.08	30.46	31.66	-18.80	874.66	895.94	516.14	454.60	61.54	8.387		
6,600.00	6,530.22	6,597.61	6,469.58	30.66	31.88	48.63	882.08	890.46	519.55	457.55	62.00	8.380		
6,650.00	6,579.93	6,653.43	6,523.97	30.85	32.08	72.42	889.11	880.17	522.87	460.43	62.44	8.374		
6,700.00	6,629.13	6,708.74	6,576.81	31.04	32.28	79.89	895.73	865.28	526.09	463.23	62.87	8.368		
6,750.00	6,677.53	6,763.53	6,627.72	31.23	32.48	82.95	901.87	846.03	529.22	465.92	63.30	8.360		
6,800.00	6,724.83	6,817.77	6,676.35	31.43	32.68	84.30	907.51	822.71	532.25	468.50	63.75	8.349		
6,850.00	6,770.73	6,871.45	6,722.39	31.63	32.89	84.81	912.62	795.62	535.16	470.95	64.20	8.335		
6,900.00	6,814.95	6,924.56	6,765.58	31.84	33.11	84.86	917.17	765.08	537.94	473.26	64.68	8.317		
6,950.00	6,857.22	6,977.09	6,805.69	32.06	33.34	84.64	921.15	731.42	540.59	475.40	65.19	8.293		
7,000.00	6,897.28	7,029.04	6,842.54	32.29	33.59	84.24	924.55	694.97	543.09	477.37	65.72	8.264		
7,050.00	6,934.88	7,080.43	6,875.99	32.54	33.86	83.73	927.37	656.09	545.44	479.15	66.29	8.228		
7,100.00	6,969.79	7,131.25	6,905.92	32.81	34.16	83.14	929.60	615.10	547.62	480.71	66.90	8.185		
7,150.00	7,001.79	7,181.51	6,932.26	33.11	34.49	82.51	931.26	572.33	549.61	482.05	67.57	8.135		
7,200.00	7,030.69	7,231.24	6,954.97	33.44	34.86	81.85	932.34	528.11	551.42	483.14	68.28	8.076		
7,250.00	7,056.31	7,280.46	6,974.00	33.81	35.26	81.18	932.87	482.75	553.02	483.97	69.04	8.010		
7,300.00	7,078.48	7,329.17	6,989.38	34.21	35.70	80.52	932.85	436.55	554.40	484.53	69.86	7.935		
7,350.00	7,097.08	7,377.39	7,001.12	34.65	36.16	79.86	932.30	389.78	555.55	484.81	70.74	7.854		
7,400.00	7,112.00	7,425.16	7,009.26	35.12	36.66	79.22	931.24	342.74	556.46	484.79	71.66	7.765		
7,450.00	7,123.12	7,472.49	7,013.86	35.64	37.18	78.60	929.69	295.66	557.11	484.48	72.64	7.670		
7,500.00	7,130.40	7,519.53	7,014.98	36.19	37.73	78.01	927.67	248.70	557.51	483.86	73.65	7.570		
7,550.00	7,133.78	7,569.36	7,014.50	36.77	38.35	77.63	925.29	198.93	557.47	482.68	74.79	7.453		
7,574.97	7,134.00	7,594.32	7,014.26	37.06	38.67	77.60	924.10	173.99	557.23	481.83	75.40	7.391		
7,600.00	7,133.73	7,619.35	7,014.02	37.37	39.01	77.59	922.91	149.00	556.91	480.86	76.04	7.323		
7,700.00	7,132.66	7,719.34	7,013.05	38.71	40.45	77.58	918.14	49.12	555.62	476.82	78.80	7.051		
7,800.00	7,131.59	7,819.33	7,012.09	40.20	42.03	77.56	913.37	-50.75	554.34	472.50	81.84	6.773		
7,900.00	7,130.52	7,919.32	7,011.13	41.84	43.75	77.54	908.60	-150.62	553.05	467.91	85.14	6.496		
8,000.00	7,129.45	8,019.31	7,010.16	43.60	45.58	77.52	903.83	-250.49	551.76	463.10	88.66	6.223		
8,100.00	7,128.38	8,119.30	7,009.20	45.47	47.51	77.50	899.06	-350.37	550.48	458.09	92.38	5.959		
8,200.00	7,127.31	8,219.30	7,008.23	47.44	49.52	77.48	894.29	-450.24	549.19	452.91	96.29	5.704		
8,300.00	7,126.24	8,319.29	7,007.27	49.49	51.62	77.47	889.52	-550.11	547.91	447.56	100.34	5.460		
8,400.00	7,125.17	8,419.28	7,006.30	51.61	53.78	77.45	884.75	-649.99	546.62	442.08	104.54	5.229		
8,500.00	7,124.10	8,519.27	7,005.34	53.81	56.01	77.43	879.98	-749.86	545.33	436.48	108.86	5.010		
8,600.00	7,123.03	8,619.26	7,004.37	56.06	58.29	77.41	875.21	-849.73	544.05	430.77	113.28	4.803		
8,700.00	7,121.96	8,719.25	7,003.41	58.36	60.61	77.39	870.44	-949.61	542.76	424.96	117.80	4.607		
8,800.00	7,120.89	8,819.25	7,002.44	60.71	62.98	77.37	865.68	-1,049.48	541.48	419.07	122.41	4.424		
8,900.00	7,119.82	8,919.24	7,001.48	63.10	65.39	77.35	860.91	-1,149.35	540.19	413.10	127.09	4.251		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	9,019.23	7,000.51	65.53	67.82	77.33	856.14	-1,249.23	538.91	407.07	131.84	4.088		
9,100.00	7,117.68	9,119.22	6,999.55	67.98	70.29	77.31	851.37	-1,349.10	537.62	400.98	136.64	3.934		
9,200.00	7,116.61	9,219.21	6,998.58	70.47	72.79	77.29	846.60	-1,448.97	536.34	394.83	141.51	3.790		
9,300.00	7,115.54	9,319.20	6,997.62	72.98	75.31	77.27	841.83	-1,548.84	535.05	388.63	146.42	3.654		
9,400.00	7,114.47	9,419.19	6,996.66	75.52	77.85	77.26	837.06	-1,648.72	533.77	382.39	151.37	3.526		
9,500.00	7,113.40	9,519.19	6,995.69	78.08	80.41	77.24	832.29	-1,748.59	532.48	376.11	156.37	3.405		
9,600.00	7,112.33	9,619.18	6,994.73	80.65	82.99	77.22	827.52	-1,848.46	531.19	369.80	161.40	3.291		
9,700.00	7,111.26	9,719.17	6,993.76	83.25	85.59	77.20	822.75	-1,948.34	529.91	363.45	166.46	3.183		
9,800.00	7,110.19	9,819.16	6,992.80	85.86	88.20	77.18	817.98	-2,048.21	528.62	357.07	171.55	3.081		
9,900.00	7,109.12	9,919.15	6,991.83	88.48	90.82	77.16	813.21	-2,148.08	527.34	350.67	176.67	2.985		
10,000.00	7,108.04	10,019.14	6,990.87	91.12	93.46	77.14	808.44	-2,247.96	526.05	344.24	181.81	2.893		
10,100.00	7,106.97	10,119.14	6,989.90	93.77	96.11	77.12	803.67	-2,347.83	524.77	337.79	186.98	2.807		
10,200.00	7,105.90	10,219.13	6,988.94	96.43	98.77	77.10	798.90	-2,447.70	523.49	331.32	192.16	2.724		
10,300.00	7,104.83	10,319.12	6,987.97	99.10	101.44	77.07	794.13	-2,547.58	522.20	324.83	197.37	2.646		
10,400.00	7,103.76	10,419.11	6,987.01	101.78	104.11	77.05	789.36	-2,647.45	520.92	318.33	202.59	2.571		
10,500.00	7,102.69	10,519.10	6,986.04	104.47	106.80	77.03	784.59	-2,747.32	519.63	311.80	207.83	2.500		
10,600.00	7,101.62	10,619.09	6,985.08	107.16	109.49	77.01	779.82	-2,847.20	518.35	305.27	213.08	2.433		
10,700.00	7,100.55	10,719.09	6,984.11	109.87	112.19	76.99	775.06	-2,947.07	517.06	298.72	218.35	2.368		
10,800.00	7,099.48	10,819.08	6,983.15	112.58	114.90	76.97	770.29	-3,046.94	515.78	292.15	223.62	2.306		
10,900.00	7,098.41	10,919.07	6,982.18	115.29	117.61	76.95	765.52	-3,146.81	514.49	285.58	228.91	2.248		
11,000.00	7,097.34	11,019.06	6,981.22	118.02	120.33	76.93	760.75	-3,246.69	513.21	279.00	234.21	2.191		
11,100.00	7,096.27	11,119.05	6,980.26	120.74	123.06	76.91	755.98	-3,346.56	511.93	272.40	239.52	2.137		
11,200.00	7,095.20	11,219.04	6,979.29	123.48	125.78	76.89	751.21	-3,446.43	510.64	265.80	244.84	2.086		
11,300.00	7,094.13	11,319.03	6,978.33	126.22	128.52	76.86	746.44	-3,546.31	509.36	259.19	250.17	2.036		
11,400.00	7,093.06	11,419.03	6,977.36	128.96	131.26	76.84	741.67	-3,646.18	508.07	252.57	255.51	1.988		
11,500.00	7,091.99	11,519.02	6,976.40	131.71	134.00	76.82	736.90	-3,746.05	506.79	245.94	260.85	1.943		
11,600.00	7,090.92	11,619.01	6,975.43	134.46	136.75	76.80	732.13	-3,845.93	505.51	239.31	266.20	1.899		
11,700.00	7,089.85	11,719.00	6,974.47	137.21	139.50	76.78	727.36	-3,945.80	504.22	232.67	271.56	1.857		
11,800.00	7,088.78	11,818.99	6,973.50	139.97	142.25	76.76	722.59	-4,045.67	502.94	226.02	276.92	1.816		
11,900.00	7,087.71	11,918.98	6,972.54	142.73	145.01	76.73	717.82	-4,145.55	501.65	219.37	282.29	1.777		
12,000.00	7,086.64	12,018.98	6,971.57	145.50	147.76	76.71	713.05	-4,245.42	500.37	212.71	287.66	1.739		
12,100.00	7,085.57	12,118.97	6,970.61	148.26	150.53	76.69	708.28	-4,345.29	499.09	206.05	293.04	1.703		
12,200.00	7,084.50	12,218.96	6,969.64	151.03	153.29	76.67	703.51	-4,445.16	497.80	199.39	298.42	1.668		
12,300.00	7,083.43	12,318.95	6,968.68	153.81	156.06	76.64	698.74	-4,545.04	496.52	192.72	303.80	1.634		
12,400.00	7,082.36	12,418.94	6,967.71	156.58	158.83	76.62	693.97	-4,644.91	495.24	186.04	309.19	1.602		
12,500.00	7,081.29	12,518.93	6,966.75	159.36	161.60	76.60	689.20	-4,744.78	493.95	179.37	314.59	1.570		
12,600.00	7,080.22	12,618.93	6,965.78	162.14	164.38	76.58	684.44	-4,844.66	492.67	172.69	319.99	1.540		
12,700.00	7,079.15	12,718.92	6,964.82	164.92	167.15	76.55	679.67	-4,944.53	491.39	166.00	325.39	1.510		
12,800.00	7,078.08	12,818.91	6,963.86	167.71	169.93	76.53	674.90	-5,044.40	490.11	159.32	330.79	1.482 Level 3		
12,900.00	7,077.01	12,918.90	6,962.89	170.49	172.71	76.51	670.13	-5,144.28	488.82	152.63	336.20	1.454 Level 3		
13,000.00	7,075.93	13,018.89	6,961.93	173.28	175.50	76.48	665.36	-5,244.15	487.54	145.94	341.60	1.427 Level 3		
13,100.00	7,074.86	13,118.88	6,960.96	176.07	178.28	76.46	660.59	-5,344.02	486.26	139.24	347.01	1.401 Level 3		
13,200.00	7,073.79	13,218.87	6,960.00	178.86	181.07	76.44	655.82	-5,443.90	484.97	132.55	352.43	1.376 Level 3		
13,300.00	7,072.72	13,318.87	6,959.03	181.65	183.85	76.41	651.05	-5,543.77	483.69	125.85	357.84	1.352 Level 3		
13,400.00	7,071.65	13,418.86	6,958.07	184.45	186.64	76.39	646.28	-5,643.64	482.41	119.15	363.26	1.328 Level 3		
13,500.00	7,070.58	13,518.85	6,957.10	187.25	189.43	76.36	641.51	-5,743.52	481.13	112.45	368.68	1.305 Level 3		
13,600.00	7,069.51	13,618.84	6,956.14	190.04	192.23	76.34	636.74	-5,843.39	479.85	105.75	374.10	1.283 Level 3		
13,700.00	7,068.44	13,718.83	6,955.17	192.84	195.02	76.32	631.97	-5,943.26	478.56	99.04	379.52	1.261 Level 3		
13,800.00	7,067.37	13,818.82	6,954.21	195.64	197.81	76.29	627.20	-6,043.13	477.28	92.34	384.94	1.240 Level 2		
13,900.00	7,066.30	13,918.82	6,953.24	198.44	200.61	76.27	622.43	-6,143.01	476.00	85.63	390.36	1.219 Level 2		
14,000.00	7,065.23	14,018.81	6,952.28	201.24	203.41	76.24	617.66	-6,242.88	474.72	78.93	395.79	1.199 Level 2		
14,100.00	7,064.16	14,118.80	6,951.31	204.05	206.20	76.22	612.89	-6,342.75	473.44	72.22	401.22	1.180 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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	14,218.79	6,950.35	206.85	209.00	76.19	608.12	-6,442.63	472.15	65.51	406.64	1.161	Level 2	
14,300.00	7,062.02	14,318.78	6,949.38	209.66	211.80	76.17	603.35	-6,542.50	470.87	58.80	412.07	1.143	Level 2	
14,400.00	7,060.95	14,418.77	6,948.42	212.46	214.60	76.14	598.58	-6,642.37	469.59	52.09	417.50	1.125	Level 2	
14,500.00	7,059.88	14,518.77	6,947.46	215.27	217.41	76.12	593.82	-6,742.25	468.31	45.38	422.93	1.107	Level 2	
14,600.00	7,058.81	14,618.76	6,946.49	218.08	220.21	76.09	589.05	-6,842.12	467.03	38.67	428.36	1.090	Level 2	
14,700.00	7,057.74	14,718.75	6,945.53	220.89	223.01	76.06	584.28	-6,941.99	465.75	31.96	433.79	1.074	Level 2	
14,800.00	7,056.67	14,818.74	6,944.56	223.70	225.82	76.04	579.51	-7,041.87	464.47	25.25	439.21	1.057	Level 2	
14,900.00	7,055.60	14,918.73	6,943.60	226.51	228.62	76.01	574.74	-7,141.74	463.18	18.54	444.65	1.042	Level 2	
15,000.00	7,054.53	15,018.72	6,942.63	229.32	231.43	75.99	569.97	-7,241.61	461.90	11.83	450.08	1.026	Level 2	
15,100.00	7,053.46	15,118.71	6,941.67	232.14	234.23	75.96	565.20	-7,341.48	460.62	5.12	455.51	1.011	Level 2	
15,200.00	7,052.39	15,218.71	6,940.70	234.95	237.04	75.93	560.43	-7,441.36	459.34	-1.59	460.94	0.997	Level 1	
15,300.00	7,051.32	15,318.70	6,939.74	237.76	239.85	75.91	555.66	-7,541.23	458.06	-8.31	466.37	0.982	Level 1	
15,400.00	7,050.25	15,418.69	6,938.77	240.58	242.66	75.88	550.89	-7,641.10	456.78	-15.02	471.80	0.968	Level 1	
15,500.00	7,049.18	15,518.68	6,937.81	243.39	245.47	75.85	546.12	-7,740.98	455.50	-21.73	477.23	0.954	Level 1	
15,600.00	7,048.11	15,618.67	6,936.84	246.21	248.28	75.83	541.35	-7,840.85	454.22	-28.44	482.66	0.941	Level 1	
15,696.02	7,047.08	15,714.68	6,935.92	248.91	250.98	75.80	536.77	-7,936.75	452.99	-34.88	487.87	0.929	Level 1, ES, SF	
15,703.32	7,047.00	15,706.13	6,936.00	249.12	250.74	75.80	537.18	-7,928.20	453.17	-34.53	487.70	0.929	Level 1	
15,703.90	7,046.99	15,706.13	6,936.00	249.13	250.74	75.80	537.18	-7,928.20	453.19	-34.52	487.70	0.929	Level 1	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 33C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.67	-29.86	-2.78	29.99					
100.00	100.00	100.00	100.00	3.28	3.28	-174.67	-29.86	-2.78	29.99	23.42	6.57	4.566		
200.00	200.00	200.00	200.00	3.34	3.34	-174.67	-29.86	-2.78	29.99	23.32	6.67	4.494		
300.00	300.00	300.00	300.00	3.44	3.44	-174.67	-29.86	-2.78	29.99	23.10	6.89	4.353 CC		
400.00	399.98	400.06	400.04	3.60	3.60	118.27	-29.91	-1.04	30.72	23.51	7.20	4.265		
500.00	499.84	500.09	499.93	3.80	3.80	117.15	-30.05	4.20	32.89	25.29	7.60	4.328		
600.00	599.45	600.06	599.51	4.05	4.04	115.59	-30.28	12.91	36.53	28.45	8.08	4.522		
700.00	698.70	700.08	698.63	4.32	4.32	113.92	-30.59	25.02	41.65	33.02	8.63	4.827		
740.00	738.27	739.85	738.20	4.45	4.43	113.90	-30.73	30.34	44.10	35.23	8.87	4.973		
800.00	797.57	800.28	797.54	4.63	4.62	114.39	-30.94	38.30	47.96	38.71	9.24	5.187		
900.00	896.39	900.49	896.45	4.96	4.95	115.05	-31.29	51.58	54.39	44.48	9.91	5.488		
1,000.00	995.21	1,000.70	995.35	5.32	5.30	115.57	-31.64	64.86	60.82	50.21	10.62	5.728		
1,100.00	1,094.03	1,100.90	1,094.25	5.69	5.67	115.99	-31.98	78.14	67.26	55.90	11.36	5.921		
1,200.00	1,192.86	1,201.11	1,193.16	6.07	6.06	116.34	-32.33	91.42	73.71	61.58	12.13	6.078		
1,300.00	1,291.68	1,301.32	1,292.06	6.47	6.45	116.63	-32.68	104.70	80.15	67.23	12.92	6.205		
1,400.00	1,390.50	1,401.53	1,390.96	6.88	6.86	116.88	-33.03	117.98	86.60	72.87	13.73	6.309		
1,500.00	1,489.33	1,501.74	1,489.86	7.29	7.27	117.09	-33.37	131.26	93.05	78.50	14.55	6.394		
1,600.00	1,588.15	1,601.95	1,588.77	7.71	7.68	117.28	-33.72	144.54	99.50	84.11	15.39	6.466		
1,700.00	1,686.97	1,702.16	1,687.67	8.14	8.11	117.44	-34.07	157.82	105.95	89.71	16.24	6.525		
1,800.00	1,785.79	1,802.37	1,786.57	8.57	8.54	117.59	-34.42	171.10	112.40	95.31	17.10	6.575		
1,900.00	1,884.62	1,897.43	1,885.48	9.01	8.95	117.72	-34.77	184.38	118.85	100.91	17.94	6.626		
2,000.00	1,983.44	2,002.78	1,984.38	9.45	9.40	117.83	-35.11	197.66	125.31	106.47	18.83	6.653		
2,100.00	2,082.26	2,102.99	2,083.28	9.89	9.84	117.94	-35.46	210.94	131.76	112.05	19.71	6.684		
2,200.00	2,181.09	2,203.20	2,182.19	10.33	10.28	118.03	-35.81	224.22	138.21	117.62	20.60	6.711		
2,300.00	2,279.91	2,303.41	2,281.09	10.78	10.73	118.12	-36.16	237.50	144.67	123.18	21.48	6.734		
2,400.00	2,378.73	2,403.62	2,379.99	11.23	11.17	118.20	-36.50	250.78	151.12	128.74	22.38	6.754		
2,500.00	2,477.55	2,503.83	2,478.90	11.68	11.62	118.27	-36.85	264.06	157.57	134.30	23.27	6.771		
2,600.00	2,576.38	2,604.04	2,577.80	12.13	12.07	118.33	-37.20	277.34	164.03	139.86	24.17	6.786		
2,700.00	2,675.20	2,704.24	2,676.70	12.59	12.52	118.40	-37.55	290.62	170.48	145.41	25.07	6.799		
2,800.00	2,774.02	2,804.45	2,775.61	13.04	12.97	118.45	-37.90	303.90	176.94	150.96	25.98	6.811		
2,900.00	2,872.85	2,904.66	2,874.51	13.50	13.42	118.51	-38.24	317.18	183.39	156.51	26.88	6.822		
3,000.00	2,971.67	3,004.87	2,973.41	13.96	13.87	118.56	-38.59	330.46	189.85	162.06	27.79	6.831		
3,100.00	3,070.49	3,105.08	3,072.31	14.41	14.33	118.60	-38.94	343.74	196.31	167.60	28.70	6.839		
3,200.00	3,169.31	3,205.29	3,171.22	14.87	14.78	118.65	-39.29	357.02	202.76	173.14	29.62	6.846		
3,300.00	3,268.14	3,305.50	3,270.12	15.33	15.24	118.69	-39.63	370.30	209.22	178.69	30.53	6.853		
3,400.00	3,366.96	3,405.70	3,369.02	15.79	15.69	118.72	-39.98	383.58	215.67	184.23	31.45	6.859		
3,500.00	3,465.78	3,505.91	3,467.93	16.25	16.15	118.76	-40.33	396.86	222.13	189.77	32.36	6.864		
3,600.00	3,564.61	3,606.12	3,566.83	16.72	16.61	118.79	-40.68	410.14	228.58	195.30	33.28	6.869		
3,700.00	3,663.43	3,706.33	3,665.73	17.18	17.07	118.83	-41.03	423.42	235.04	200.84	34.20	6.873		
3,800.00	3,762.25	3,806.54	3,764.64	17.64	17.53	118.86	-41.37	436.70	241.50	206.38	35.12	6.877		
3,900.00	3,861.07	3,906.75	3,863.54	18.10	17.99	118.89	-41.72	449.98	247.95	211.91	36.04	6.880		
4,000.00	3,959.90	4,006.96	3,962.44	18.57	18.45	118.91	-42.07	463.26	254.41	217.45	36.96	6.883		
4,100.00	4,058.72	4,107.17	4,061.35	19.03	18.91	118.94	-42.42	476.54	260.87	222.98	37.88	6.886		
4,200.00	4,157.54	4,207.37	4,160.25	19.50	19.37	118.96	-42.76	489.82	267.32	228.52	38.81	6.889		
4,300.00	4,256.37	4,307.58	4,259.15	19.96	19.83	118.99	-43.11	503.10	273.78	234.05	39.73	6.891		
4,400.00	4,355.19	4,407.79	4,358.06	20.43	20.29	119.01	-43.46	516.38	280.23	239.58	40.65	6.893		
4,500.00	4,454.01	4,508.00	4,456.96	20.89	20.75	119.03	-43.81	529.66	286.69	245.11	41.58	6.895		
4,600.00	4,552.83	4,608.21	4,555.86	21.36	21.21	119.05	-44.15	542.94	293.15	250.64	42.50	6.897		
4,700.00	4,651.66	4,708.42	4,654.76	21.82	21.67	119.07	-44.50	556.22	299.60	256.17	43.43	6.898		
4,800.00	4,750.48	4,808.63	4,753.67	22.29	22.13	119.09	-44.85	569.50	306.06	261.70	44.36	6.900		
4,900.00	4,849.30	4,908.84	4,852.57	22.76	22.60	119.11	-45.20	582.78	312.52	267.23	45.28	6.901		
5,000.00	4,948.13	5,009.04	4,951.47	23.22	23.06	119.13	-45.55	596.06	318.97	272.76	46.21	6.903		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,109.25	5,050.38	23.69	23.52	119.14	-45.89	609.34	325.43	278.29	47.14	6.904		
5,200.00	5,145.77	5,209.46	5,149.28	24.16	23.99	119.16	-46.24	622.62	331.89	283.82	48.07	6.905		
5,300.00	5,244.59	5,309.67	5,248.18	24.62	24.45	119.17	-46.59	635.90	338.34	289.35	49.00	6.906		
5,400.00	5,343.42	5,409.88	5,347.09	25.09	24.91	119.19	-46.94	649.17	344.80	294.88	49.92	6.906		
5,500.00	5,442.24	5,489.91	5,445.99	25.56	25.28	119.20	-47.28	662.45	351.26	300.50	50.76	6.920		
5,600.00	5,541.06	5,589.70	5,544.89	26.03	25.74	119.22	-47.63	675.73	357.71	306.03	51.69	6.921		
5,700.00	5,639.89	5,689.50	5,643.80	26.50	26.21	119.23	-47.98	689.01	364.17	311.56	52.62	6.921		
5,800.00	5,738.71	5,789.29	5,742.70	26.96	26.67	119.24	-48.33	702.29	370.63	317.08	53.54	6.922		
5,900.00	5,837.53	5,889.08	5,841.60	27.43	27.13	119.25	-48.68	715.57	377.09	322.61	54.47	6.922		
6,000.00	5,936.35	5,988.87	5,940.51	27.90	27.59	119.27	-49.02	728.85	383.54	328.14	55.40	6.923		
6,100.00	6,035.18	6,088.66	6,039.41	28.37	28.05	119.28	-49.37	742.13	390.00	333.67	56.33	6.923		
6,200.00	6,134.00	6,188.45	6,138.31	28.84	28.52	119.29	-49.72	755.41	396.46	339.20	57.26	6.924		
6,300.00	6,232.82	6,288.24	6,237.21	29.31	28.98	119.30	-50.07	768.69	402.91	344.72	58.19	6.924		
6,400.00	6,331.64	6,388.03	6,336.12	29.77	29.44	119.31	-50.41	781.97	409.37	350.25	59.12	6.925		
6,477.15	6,407.89	6,465.03	6,412.43	30.14	29.80	119.32	-50.68	792.22	414.35	354.52	59.84	6.925		
6,500.00	6,430.52	6,486.79	6,434.01	30.24	29.90	125.64	-50.76	795.02	415.79	355.75	60.04	6.926		
6,550.00	6,480.31	6,532.51	6,479.57	30.46	30.10	161.15	-51.00	798.67	418.88	358.45	60.43	6.931		
6,600.00	6,530.22	6,578.27	6,525.32	30.66	30.28	-130.43	-51.35	799.04	421.94	361.14	60.79	6.940		
6,650.00	6,579.93	6,624.10	6,571.04	30.85	30.46	-105.68	-51.81	796.12	424.93	363.80	61.13	6.951		
6,700.00	6,629.13	6,670.02	6,616.52	31.04	30.63	-97.25	-52.37	789.90	427.85	366.39	61.47	6.961		
6,750.00	6,677.53	6,716.04	6,661.54	31.23	30.80	-93.25	-53.04	780.40	430.69	368.89	61.80	6.969		
6,800.00	6,724.83	6,762.20	6,705.89	31.43	30.97	-91.00	-53.81	767.63	433.42	371.27	62.15	6.974		
6,850.00	6,770.73	6,808.52	6,749.33	31.63	31.15	-89.62	-54.67	751.62	436.05	373.54	62.51	6.976		
6,900.00	6,814.95	6,855.00	6,791.64	31.84	31.34	-88.74	-55.63	732.43	438.55	375.66	62.89	6.973		
6,950.00	6,857.22	6,901.68	6,832.61	32.06	31.53	-88.18	-56.69	710.10	440.91	377.62	63.29	6.966		
7,000.00	6,897.28	6,948.58	6,872.01	32.29	31.73	-87.84	-57.83	684.71	443.13	379.40	63.73	6.954		
7,050.00	6,934.88	6,995.71	6,909.61	32.54	31.94	-87.68	-59.05	656.34	445.20	381.00	64.20	6.934		
7,100.00	6,969.79	7,043.09	6,945.19	32.81	32.18	-87.64	-60.35	625.09	447.11	382.39	64.72	6.908		
7,150.00	7,001.79	7,090.75	6,978.53	33.11	32.43	-87.71	-61.73	591.08	448.85	383.56	65.30	6.874		
7,200.00	7,030.69	7,138.69	7,009.41	33.44	32.71	-87.87	-63.17	554.45	450.42	384.49	65.93	6.831		
7,250.00	7,056.31	7,186.93	7,037.61	33.81	33.01	-88.11	-64.67	515.35	451.81	385.17	66.64	6.780		
7,300.00	7,078.48	7,235.50	7,062.93	34.21	33.36	-88.41	-66.22	473.95	453.01	385.59	67.42	6.720		
7,350.00	7,097.08	7,284.40	7,085.15	34.65	33.74	-88.77	-67.82	430.43	454.02	385.75	68.27	6.650		
7,400.00	7,112.00	7,333.65	7,104.09	35.12	34.16	-89.19	-69.46	385.01	454.84	385.64	69.20	6.572		
7,450.00	7,123.12	7,383.25	7,119.55	35.64	34.62	-89.65	-71.12	337.93	455.46	385.25	70.21	6.487		
7,500.00	7,130.40	7,433.22	7,131.38	36.19	35.12	-90.16	-72.80	289.42	455.88	384.59	71.29	6.395		
7,550.00	7,133.78	7,483.56	7,139.41	36.77	35.66	-90.71	-74.48	239.77	456.09	383.67	72.42	6.298		
7,574.97	7,134.00	7,508.84	7,141.95	37.06	35.95	-91.00	-75.32	214.63	456.12	383.11	73.01	6.248		
7,600.00	7,133.73	7,534.30	7,143.50	37.37	36.24	-91.23	-76.17	189.23	456.11	382.50	73.61	6.196		
7,700.00	7,132.66	7,635.02	7,143.21	38.71	37.50	-91.33	-79.45	88.58	455.92	379.70	76.22	5.982		
7,800.00	7,131.59	7,735.02	7,142.05	40.20	38.90	-91.32	-82.71	-11.36	455.70	376.58	79.12	5.760		
7,900.00	7,130.52	7,835.02	7,140.89	41.84	40.46	-91.31	-85.97	-111.30	455.47	373.16	82.31	5.534		
8,000.00	7,129.45	7,935.02	7,139.72	43.60	42.15	-91.29	-89.22	-211.24	455.25	369.49	85.76	5.308		
8,100.00	7,128.38	8,035.02	7,138.56	45.47	43.96	-91.28	-92.48	-311.18	455.03	365.59	89.44	5.087		
8,200.00	7,127.31	8,135.02	7,137.40	47.44	45.87	-91.27	-95.74	-411.12	454.81	361.48	93.32	4.873		
8,300.00	7,126.24	8,235.02	7,136.23	49.49	47.88	-91.26	-98.99	-511.06	454.58	357.20	97.38	4.668		
8,400.00	7,125.17	8,335.02	7,135.07	51.61	49.97	-91.25	-102.25	-611.00	454.36	352.76	101.60	4.472		
8,500.00	7,124.10	8,435.02	7,133.91	53.81	52.13	-91.24	-105.50	-710.94	454.14	348.19	105.95	4.286		
8,600.00	7,123.03	8,535.02	7,132.74	56.06	54.35	-91.23	-108.76	-810.88	453.92	343.49	110.43	4.111		
8,700.00	7,121.96	8,635.02	7,131.58	58.36	56.63	-91.22	-112.02	-910.82	453.69	338.68	115.01	3.945		
8,800.00	7,120.89	8,735.02	7,130.42	60.71	58.96	-91.21	-115.27	-1,010.76	453.47	333.79	119.68	3.789		
8,900.00	7,119.82	8,835.02	7,129.25	63.10	61.33	-91.19	-118.53	-1,110.70	453.25	328.80	124.45	3.642		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 33C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,118.75	8,935.02	7,128.09	65.53	63.74	-91.18	-121.79	-1,210.64	453.03	323.75	129.28	3.504		
9,100.00	7,117.68	9,035.02	7,126.93	67.98	66.19	-91.17	-125.04	-1,310.58	452.80	318.62	134.18	3.375		
9,200.00	7,116.61	9,135.02	7,125.77	70.47	68.66	-91.16	-128.30	-1,410.52	452.58	313.44	139.14	3.253		
9,300.00	7,115.54	9,235.02	7,124.60	72.98	71.16	-91.15	-131.56	-1,510.46	452.36	308.20	144.16	3.138		
9,400.00	7,114.47	9,335.02	7,123.44	75.52	73.69	-91.14	-134.81	-1,610.40	452.14	302.91	149.22	3.030		
9,500.00	7,113.40	9,435.02	7,122.28	78.08	76.24	-91.13	-138.07	-1,710.34	451.91	297.58	154.33	2.928		
9,600.00	7,112.33	9,535.02	7,121.11	80.65	78.81	-91.12	-141.33	-1,810.28	451.69	292.22	159.48	2.832		
9,700.00	7,111.26	9,635.02	7,119.95	83.25	81.40	-91.10	-144.58	-1,910.22	451.47	286.81	164.66	2.742		
9,800.00	7,110.19	9,735.02	7,118.79	85.86	84.01	-91.09	-147.84	-2,010.16	451.25	281.38	169.87	2.656		
9,900.00	7,109.12	9,835.02	7,117.62	88.48	86.63	-91.08	-151.10	-2,110.10	451.03	275.91	175.12	2.576		
10,000.00	7,108.04	9,935.01	7,116.46	91.12	89.26	-91.07	-154.35	-2,210.04	450.80	270.42	180.39	2.499		
10,100.00	7,106.97	10,035.01	7,115.30	93.77	91.90	-91.06	-157.61	-2,309.98	450.58	264.90	185.68	2.427		
10,200.00	7,105.90	10,135.01	7,114.13	96.43	94.56	-91.05	-160.87	-2,409.92	450.36	259.36	191.00	2.358		
10,300.00	7,104.83	10,235.01	7,112.97	99.10	97.23	-91.04	-164.12	-2,509.86	450.14	253.80	196.34	2.293		
10,400.00	7,103.76	10,335.01	7,111.81	101.78	99.91	-91.03	-167.38	-2,609.80	449.91	248.22	201.69	2.231		
10,500.00	7,102.69	10,435.01	7,110.64	104.47	102.59	-91.01	-170.64	-2,709.74	449.69	242.63	207.07	2.172		
10,600.00	7,101.62	10,535.01	7,109.48	107.16	105.29	-91.00	-173.89	-2,809.68	449.47	237.01	212.46	2.116		
10,700.00	7,100.55	10,635.01	7,108.32	109.87	107.99	-90.99	-177.15	-2,909.62	449.25	231.39	217.86	2.062		
10,800.00	7,099.48	10,735.01	7,107.15	112.58	110.70	-90.98	-180.41	-3,009.56	449.03	225.74	223.28	2.011		
10,900.00	7,098.41	10,835.01	7,105.99	115.29	113.42	-90.97	-183.66	-3,109.50	448.80	220.09	228.72	1.962		
11,000.00	7,097.34	10,935.01	7,104.83	118.02	116.14	-90.96	-186.92	-3,209.44	448.58	214.42	234.16	1.916		
11,100.00	7,096.27	11,035.01	7,103.66	120.74	118.87	-90.95	-190.18	-3,309.38	448.36	208.74	239.62	1.871		
11,200.00	7,095.20	11,135.01	7,102.50	123.48	121.60	-90.93	-193.43	-3,409.32	448.14	203.06	245.08	1.829		
11,300.00	7,094.13	11,235.01	7,101.34	126.22	124.34	-90.92	-196.69	-3,509.26	447.92	197.36	250.56	1.788		
11,400.00	7,093.06	11,335.01	7,100.18	128.96	127.08	-90.91	-199.95	-3,609.20	447.69	191.65	256.04	1.749		
11,500.00	7,091.99	11,435.01	7,099.01	131.71	129.83	-90.90	-203.20	-3,709.14	447.47	185.93	261.54	1.711		
11,600.00	7,090.92	11,535.01	7,097.85	134.46	132.58	-90.89	-206.46	-3,809.08	447.25	180.21	267.04	1.675		
11,700.00	7,089.85	11,635.01	7,096.69	137.21	135.34	-90.88	-209.72	-3,909.02	447.03	174.48	272.55	1.640		
11,800.00	7,088.78	11,735.01	7,095.52	139.97	138.09	-90.87	-212.97	-4,008.96	446.81	168.74	278.07	1.607		
11,900.00	7,087.71	11,835.01	7,094.36	142.73	140.86	-90.85	-216.23	-4,108.90	446.58	162.99	283.59	1.575		
12,000.00	7,086.64	11,935.01	7,093.20	145.50	143.62	-90.84	-219.49	-4,208.84	446.36	157.24	289.12	1.544		
12,100.00	7,085.57	12,035.01	7,092.03	148.26	146.39	-90.83	-222.74	-4,308.78	446.14	151.49	294.66	1.514		
12,200.00	7,084.50	12,135.01	7,090.87	151.03	149.16	-90.82	-226.00	-4,408.72	445.92	145.72	300.20	1.485 Level 3		
12,300.00	7,083.43	12,235.01	7,089.71	153.81	151.93	-90.81	-229.26	-4,508.66	445.70	139.95	305.74	1.458 Level 3		
12,400.00	7,082.36	12,335.01	7,088.54	156.58	154.71	-90.80	-232.51	-4,608.60	445.48	134.18	311.30	1.431 Level 3		
12,500.00	7,081.29	12,435.01	7,087.38	159.36	157.49	-90.79	-235.77	-4,708.54	445.25	128.40	316.85	1.405 Level 3		
12,600.00	7,080.22	12,535.01	7,086.22	162.14	160.27	-90.77	-239.03	-4,808.48	445.03	122.62	322.41	1.380 Level 3		
12,700.00	7,079.15	12,635.01	7,085.05	164.92	163.05	-90.76	-242.28	-4,908.42	444.81	116.83	327.98	1.356 Level 3		
12,800.00	7,078.08	12,735.01	7,083.89	167.71	165.84	-90.75	-245.54	-5,008.36	444.59	111.04	333.55	1.333 Level 3		
12,900.00	7,077.01	12,835.01	7,082.73	170.49	168.63	-90.74	-248.80	-5,108.30	444.37	105.25	339.12	1.310 Level 3		
13,000.00	7,075.93	12,935.01	7,081.56	173.28	171.41	-90.73	-252.05	-5,208.24	444.15	99.45	344.70	1.289 Level 3		
13,100.00	7,074.86	13,035.01	7,080.40	176.07	174.20	-90.72	-255.31	-5,308.18	443.92	93.65	350.28	1.267 Level 3		
13,200.00	7,073.79	13,135.01	7,079.24	178.86	177.00	-90.70	-258.57	-5,408.12	443.70	87.84	355.86	1.247 Level 2		
13,300.00	7,072.72	13,235.01	7,078.07	181.65	179.79	-90.69	-261.82	-5,508.06	443.48	82.03	361.45	1.227 Level 2		
13,400.00	7,071.65	13,335.01	7,076.91	184.45	182.59	-90.68	-265.08	-5,608.00	443.26	76.22	367.04	1.208 Level 2		
13,500.00	7,070.58	13,435.00	7,075.75	187.25	185.38	-90.67	-268.34	-5,707.94	443.04	70.40	372.63	1.189 Level 2		
13,600.00	7,069.51	13,535.00	7,074.58	190.04	188.18	-90.66	-271.59	-5,807.88	442.82	64.59	378.23	1.171 Level 2		
13,700.00	7,068.44	13,635.00	7,073.42	192.84	190.98	-90.65	-274.85	-5,907.82	442.59	58.77	383.83	1.153 Level 2		
13,800.00	7,067.37	13,735.00	7,072.26	195.64	193.78	-90.63	-278.11	-6,007.76	442.37	52.94	389.43	1.136 Level 2		
13,900.00	7,066.30	13,835.00	7,071.10	198.44	196.58	-90.62	-281.36	-6,107.70	442.15	47.12	395.03	1.119 Level 2		
14,000.00	7,065.23	13,935.00	7,069.93	201.24	199.39	-90.61	-284.62	-6,207.64	441.93	41.29	400.64	1.103 Level 2		
14,100.00	7,064.16	14,035.00	7,068.77	204.05	202.19	-90.60	-287.88	-6,307.58	441.71	35.46	406.25	1.087 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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	14,135.00	7,067.61	206.85	205.00	-90.59	-291.13	-6,407.52	441.49	29.63	411.86	1.072	Level 2	
14,300.00	7,062.02	14,235.00	7,066.44	209.66	207.80	-90.58	-294.39	-6,507.46	441.27	23.80	417.47	1.057	Level 2	
14,400.00	7,060.95	14,335.00	7,065.28	212.46	210.61	-90.56	-297.65	-6,607.40	441.04	17.96	423.08	1.042	Level 2	
14,500.00	7,059.88	14,435.00	7,064.12	215.27	213.42	-90.55	-300.90	-6,707.34	440.82	12.12	428.70	1.028	Level 2	
14,600.00	7,058.81	14,535.00	7,062.95	218.08	216.23	-90.54	-304.16	-6,807.28	440.60	6.29	434.32	1.014	Level 2	
14,700.00	7,057.74	14,635.00	7,061.79	220.89	219.04	-90.53	-307.42	-6,907.22	440.38	0.44	439.94	1.001	Level 2	
14,800.00	7,056.67	14,735.00	7,060.63	223.70	221.85	-90.52	-310.67	-7,007.16	440.16	-5.40	445.56	0.988	Level 1	
14,900.00	7,055.60	14,835.00	7,059.46	226.51	224.66	-90.50	-313.93	-7,107.10	439.94	-11.24	451.18	0.975	Level 1	
15,000.00	7,054.53	14,935.00	7,058.30	229.32	227.48	-90.49	-317.19	-7,207.04	439.72	-17.09	456.81	0.963	Level 1	
15,100.00	7,053.46	15,035.00	7,057.14	232.14	230.29	-90.48	-320.44	-7,306.98	439.50	-22.94	462.43	0.950	Level 1	
15,200.00	7,052.39	15,135.00	7,055.97	234.95	233.10	-90.47	-323.70	-7,406.92	439.27	-28.78	468.06	0.939	Level 1	
15,300.00	7,051.32	15,235.00	7,054.81	237.76	235.92	-90.46	-326.96	-7,506.86	439.05	-34.63	473.69	0.927	Level 1	
15,400.00	7,050.25	15,335.00	7,053.65	240.58	238.73	-90.45	-330.21	-7,606.80	438.83	-40.49	479.32	0.916	Level 1	
15,500.00	7,049.18	15,435.00	7,052.48	243.39	241.55	-90.43	-333.47	-7,706.74	438.61	-46.34	484.95	0.904	Level 1	
15,600.00	7,048.11	15,535.00	7,051.32	246.21	244.37	-90.42	-336.73	-7,806.68	438.39	-52.19	490.58	0.894	Level 1	
15,703.32	7,047.00	15,638.32	7,050.12	249.12	247.28	-90.41	-340.09	-7,909.93	438.16	-58.24	496.40	0.883	Level 1	
15,703.90	7,046.99	15,638.90	7,050.11	249.13	247.29	-90.41	-340.11	-7,910.52	438.16	-58.28	496.44	0.883	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.67	-14.93	-1.39	14.99					
100.00	100.00	100.00	100.00	3.28	3.28	-174.67	-14.93	-1.39	14.99	8.42	6.57	2.282		
200.00	200.00	200.00	200.00	3.34	3.34	-174.67	-14.93	-1.39	14.99	8.32	6.67	2.246		
300.00	300.00	300.16	300.14	3.44	3.44	178.87	-14.42	0.28	14.42	7.53	6.89	2.094		
377.02	377.02	377.20	377.09	3.56	3.56	101.44	-13.34	3.85	14.05	6.93	7.12	1.973 CC		
400.00	399.98	400.17	400.01	3.60	3.60	98.14	-12.90	5.30	14.09	6.88	7.20	1.956		
500.00	499.84	500.06	499.51	3.80	3.81	84.47	-10.38	13.63	15.00	7.39	7.61	1.970		
600.00	599.45	599.82	598.52	4.05	4.08	73.41	-6.85	25.27	17.02	8.90	8.12	2.095		
700.00	698.70	699.45	696.93	4.32	4.40	65.48	-2.34	40.17	19.87	11.15	8.72	2.279		
740.00	738.27	739.27	736.09	4.45	4.54	63.08	-0.26	47.04	21.19	12.21	8.98	2.360		
800.00	797.57	800.95	794.72	4.63	4.78	59.07	3.13	58.24	23.57	14.19	9.39	2.511		
900.00	896.39	898.92	892.58	4.96	5.20	53.40	8.90	77.29	28.00	17.92	10.08	2.778		
1,000.00	995.21	1,001.21	990.45	5.32	5.67	49.31	14.67	96.33	32.62	21.80	10.82	3.016		
1,100.00	1,094.03	1,101.34	1,088.31	5.69	6.16	46.24	20.44	115.38	37.37	25.80	11.57	3.229		
1,200.00	1,192.86	1,201.47	1,186.18	6.07	6.66	43.87	26.21	134.43	42.20	29.85	12.35	3.416		
1,300.00	1,291.68	1,298.40	1,284.05	6.47	7.17	41.99	31.98	153.48	47.09	33.95	13.14	3.583		
1,400.00	1,390.50	1,401.73	1,381.91	6.88	7.72	40.47	37.76	172.53	52.02	38.04	13.97	3.723		
1,500.00	1,489.33	1,501.86	1,479.78	7.29	8.26	39.20	43.53	191.57	56.98	42.17	14.80	3.849		
1,600.00	1,588.15	1,601.99	1,577.65	7.71	8.81	38.15	49.30	210.62	61.96	46.31	15.65	3.960		
1,700.00	1,686.97	1,702.12	1,675.51	8.14	9.37	37.24	55.07	229.67	66.96	50.46	16.50	4.058		
1,800.00	1,785.79	1,797.75	1,773.38	8.57	9.91	36.47	60.84	248.72	71.97	54.63	17.34	4.150		
1,900.00	1,884.62	1,897.62	1,871.25	9.01	10.48	35.79	66.61	267.77	77.00	58.79	18.21	4.228		
2,000.00	1,983.44	2,002.51	1,969.11	9.45	11.08	35.20	72.38	286.82	82.03	62.92	19.11	4.293		
2,100.00	2,082.26	2,102.64	2,066.98	9.89	11.65	34.68	78.15	305.86	87.08	67.08	19.99	4.355		
2,200.00	2,181.09	2,202.77	2,164.85	10.33	12.23	34.21	83.92	324.91	92.13	71.24	20.88	4.412		
2,300.00	2,279.91	2,302.90	2,262.71	10.78	12.82	33.80	89.69	343.96	97.18	75.41	21.78	4.463		
2,400.00	2,378.73	2,403.03	2,360.58	11.23	13.40	33.42	95.46	363.01	102.24	79.57	22.67	4.509		
2,500.00	2,477.55	2,503.16	2,458.45	11.68	13.99	33.08	101.23	382.06	107.30	83.73	23.57	4.552		
2,600.00	2,576.38	2,603.29	2,556.31	12.13	14.57	32.77	107.00	401.10	112.37	87.89	24.48	4.591		
2,700.00	2,675.20	2,703.42	2,654.18	12.59	15.16	32.49	112.77	420.15	117.44	92.06	25.39	4.626		
2,800.00	2,774.02	2,803.55	2,752.04	13.04	15.75	32.23	118.54	439.20	122.51	96.22	26.29	4.659		
2,900.00	2,872.85	2,896.32	2,849.91	13.50	16.30	31.99	124.31	458.25	127.59	100.42	27.17	4.696		
3,000.00	2,971.67	3,003.81	2,947.78	13.96	16.94	31.77	130.08	477.30	132.67	104.55	28.12	4.718		
3,100.00	3,070.49	3,103.94	3,045.64	14.41	17.53	31.56	135.85	496.35	137.75	108.71	29.04	4.744		
3,200.00	3,169.31	3,204.07	3,143.51	14.87	18.12	31.37	141.62	515.39	142.83	112.87	29.95	4.768		
3,300.00	3,268.14	3,304.21	3,241.38	15.33	18.72	31.19	147.39	534.44	147.91	117.03	30.87	4.791		
3,400.00	3,366.96	3,404.34	3,339.24	15.79	19.32	31.03	153.16	553.49	152.99	121.20	31.79	4.812		
3,500.00	3,465.78	3,495.53	3,437.11	16.25	19.86	30.87	158.93	572.54	158.08	125.40	32.67	4.838		
3,600.00	3,564.61	3,604.60	3,534.98	16.72	20.51	30.73	164.70	591.59	163.16	129.52	33.64	4.850		
3,700.00	3,663.43	3,695.27	3,632.84	17.18	21.05	30.59	170.47	610.64	168.25	133.73	34.52	4.874		
3,800.00	3,762.25	3,804.86	3,730.71	17.64	21.71	30.47	176.24	629.68	173.33	137.85	35.49	4.884		
3,900.00	3,861.07	3,904.99	3,828.58	18.10	22.30	30.34	182.01	648.73	178.42	142.01	36.42	4.900		
4,000.00	3,959.90	4,005.12	3,926.44	18.57	22.90	30.23	187.78	667.78	183.51	146.17	37.34	4.914		
4,100.00	4,058.72	4,105.25	4,024.31	19.03	23.50	30.12	193.55	686.83	188.60	150.33	38.27	4.928		
4,200.00	4,157.54	4,194.62	4,122.17	19.50	24.04	30.02	199.32	705.88	193.69	154.54	39.15	4.948		
4,300.00	4,256.37	4,305.51	4,220.04	19.96	24.70	29.92	205.09	724.92	198.78	158.65	40.13	4.954		
4,400.00	4,355.19	4,405.64	4,317.91	20.43	25.30	29.83	210.86	743.97	203.87	162.81	41.06	4.965		
4,500.00	4,454.01	4,494.23	4,415.77	20.89	25.83	29.74	216.63	763.02	208.97	167.03	41.93	4.983		
4,600.00	4,552.83	4,600.43	4,520.12	21.36	26.45	29.81	222.34	781.87	212.78	169.84	42.93	4.956		
4,700.00	4,651.66	4,707.73	4,626.22	21.82	27.01	30.31	226.97	797.17	213.19	169.29	43.91	4.856		
4,800.00	4,750.48	4,814.85	4,732.66	22.29	27.52	31.25	230.45	808.64	210.22	165.37	44.85	4.688		
4,900.00	4,849.30	4,921.50	4,839.01	22.76	27.98	32.70	232.76	816.28	203.94	158.18	45.76	4.457		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,948.13	5,027.39	4,944.82	23.22	28.38	34.78	233.92	820.10	194.52	147.86	46.66	4.169		
5,100.00	5,046.95	5,129.53	5,046.95	23.69	28.72	37.52	234.07	820.61	182.56	134.90	47.66	3.831		
5,200.00	5,145.77	5,228.35	5,145.77	24.16	29.05	40.63	234.07	820.61	170.62	121.84	48.78	3.498		
5,300.00	5,244.59	5,327.17	5,244.59	24.62	29.37	44.20	234.07	820.61	159.26	109.29	49.97	3.187		
5,400.00	5,343.42	5,426.00	5,343.42	25.09	29.71	48.28	234.07	820.61	148.61	97.39	51.21	2.902		
5,500.00	5,442.24	5,524.82	5,442.24	25.56	30.04	52.97	234.07	820.61	138.82	86.29	52.53	2.643		
5,600.00	5,541.06	5,623.64	5,541.06	26.03	30.38	58.31	234.07	820.61	130.11	76.20	53.91	2.413		
5,700.00	5,639.89	5,722.46	5,639.89	26.50	30.71	64.34	234.07	820.61	122.69	67.36	55.33	2.217		
5,800.00	5,738.71	5,821.29	5,738.71	26.96	31.05	71.05	234.07	820.61	116.82	60.06	56.76	2.058		
5,900.00	5,837.53	5,920.11	5,837.53	27.43	31.40	78.34	234.07	820.61	112.72	54.60	58.12	1.940		
6,000.00	5,936.35	6,018.93	5,936.35	27.90	31.74	86.03	234.07	820.61	110.62	51.26	59.36	1.864		
6,050.63	5,986.39	6,068.97	5,986.39	28.14	31.92	90.00	234.07	820.61	110.34	50.43	59.92	1.842		
6,100.00	6,035.18	6,117.76	6,035.18	28.37	32.09	93.87	234.07	820.61	110.60	50.19	60.41	1.831		
6,200.00	6,134.00	6,216.58	6,134.00	28.84	32.44	101.57	234.07	820.61	112.69	51.42	61.26	1.839		
6,300.00	6,232.82	6,315.40	6,232.82	29.31	32.79	108.86	234.07	820.61	116.75	54.82	61.93	1.885		
6,400.00	6,331.64	6,414.22	6,331.64	29.77	33.15	115.58	234.07	820.61	122.61	60.14	62.47	1.963		
6,477.15	6,407.89	6,490.00	6,407.89	30.14	33.41	120.34	234.07	820.45	128.22	65.42	62.80	2.042		
6,500.00	6,430.52	6,511.70	6,429.11	30.24	33.48	128.21	234.03	819.61	130.13	67.29	62.84	2.071		
6,550.00	6,480.31	6,558.81	6,476.00	30.46	33.61	166.93	233.85	815.24	134.63	71.77	62.86	2.142		
6,600.00	6,530.22	6,605.41	6,521.94	30.66	33.72	-121.69	233.54	807.51	139.45	76.68	62.76	2.222		
6,650.00	6,579.93	6,651.52	6,566.72	30.85	33.80	-94.22	233.09	796.59	144.50	81.93	62.56	2.310		
6,700.00	6,629.13	6,697.18	6,610.18	31.04	33.87	-83.32	232.52	782.60	149.68	87.41	62.27	2.404		
6,750.00	6,677.53	6,742.44	6,652.15	31.23	33.93	-77.08	231.83	765.71	154.91	93.03	61.88	2.503		
6,800.00	6,724.83	6,787.32	6,692.48	31.43	33.97	-72.79	231.03	746.06	160.10	98.70	61.41	2.607		
6,850.00	6,770.73	6,831.85	6,731.03	31.63	34.01	-69.56	230.13	723.80	165.19	104.32	60.87	2.714		
6,900.00	6,814.95	6,876.07	6,767.68	31.84	34.05	-67.01	229.12	699.09	170.11	109.83	60.28	2.822		
6,950.00	6,857.22	6,920.02	6,802.31	32.06	34.10	-64.93	228.02	672.07	174.80	115.13	59.67	2.929		
7,000.00	6,897.28	6,963.72	6,834.81	32.29	34.15	-63.23	226.83	642.90	179.21	120.14	59.07	3.034		
7,050.00	6,934.88	7,007.20	6,865.09	32.54	34.22	-61.83	225.56	611.73	183.31	124.81	58.50	3.133		
7,100.00	6,969.79	7,050.49	6,893.06	32.81	34.30	-60.68	224.21	578.72	187.05	129.04	58.01	3.225		
7,150.00	7,001.79	7,093.63	6,918.62	33.11	34.41	-59.76	222.80	544.02	190.40	132.78	57.62	3.305		
7,200.00	7,030.69	7,136.63	6,941.71	33.44	34.56	-59.04	221.32	507.78	193.34	135.97	57.36	3.370		
7,250.00	7,056.31	7,179.53	6,962.25	33.81	34.73	-58.49	219.79	470.16	195.84	138.56	57.28	3.419		
7,300.00	7,078.48	7,222.36	6,980.18	34.21	34.94	-58.12	218.21	431.31	197.89	140.51	57.38	3.449		
7,350.00	7,097.08	7,265.13	6,995.44	34.65	35.19	-57.90	216.58	391.39	199.48	141.78	57.70	3.457		
7,400.00	7,112.00	7,307.89	7,007.98	35.12	35.49	-57.83	214.92	350.55	200.60	142.35	58.25	3.444		
7,450.00	7,123.12	7,350.65	7,017.75	35.64	35.82	-57.91	213.22	308.97	201.24	142.22	59.02	3.410		
7,500.00	7,130.40	7,393.44	7,024.70	36.19	36.20	-58.13	211.50	266.79	201.40	141.38	60.03	3.355		
7,550.00	7,133.78	7,436.29	7,028.81	36.77	36.62	-58.50	209.77	224.18	201.10	139.85	61.25	3.283		
7,574.97	7,134.00	7,457.71	7,029.79	37.06	36.84	-58.74	208.89	202.79	200.77	138.84	61.93	3.242		
7,596.89	7,133.77	7,476.55	7,030.05	37.33	37.04	-58.87	208.13	183.97	200.60	138.09	62.52	3.209		
7,600.00	7,133.73	7,479.22	7,030.04	37.37	37.07	-58.87	208.02	181.30	200.61	138.01	62.59	3.205		
7,700.00	7,132.66	7,578.47	7,028.83	38.71	38.30	-58.92	203.98	82.15	201.19	136.26	64.93	3.099		
7,800.00	7,131.59	7,678.46	7,027.60	40.20	39.77	-58.97	199.91	-17.76	201.78	134.19	67.59	2.985		
7,900.00	7,130.52	7,778.46	7,026.37	41.84	41.46	-59.02	195.84	-117.66	202.38	131.81	70.56	2.868		
8,000.00	7,129.45	7,878.46	7,025.13	43.60	43.33	-59.07	191.76	-217.57	202.97	129.16	73.82	2.750		
8,100.00	7,128.38	7,978.46	7,023.90	45.47	45.37	-59.11	187.69	-317.48	203.57	126.25	77.31	2.633		
8,200.00	7,127.31	8,078.46	7,022.67	47.44	47.56	-59.16	183.62	-417.39	204.16	123.14	81.02	2.520		
8,300.00	7,126.24	8,178.46	7,021.43	49.49	49.87	-59.20	179.55	-517.29	204.76	119.84	84.91	2.411		
8,400.00	7,125.17	8,278.45	7,020.20	51.61	52.29	-59.25	175.48	-617.20	205.35	116.38	88.97	2.308		
8,500.00	7,124.10	8,378.45	7,018.97	53.81	54.81	-59.30	171.41	-717.11	205.94	112.78	93.16	2.211		
8,600.00	7,123.03	8,478.45	7,017.73	56.06	57.41	-59.34	167.34	-817.02	206.54	109.06	97.48	2.119		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 33N-6C-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,121.96	8,578.45	7,016.50	58.36	60.07	-59.39	163.26	-916.92	207.14	105.22	101.91	2.033		
8,800.00	7,120.89	8,678.45	7,015.26	60.71	62.80	-59.43	159.19	-1,016.83	207.73	101.30	106.43	1.952		
8,900.00	7,119.82	8,778.44	7,014.03	63.10	65.59	-59.48	155.12	-1,116.74	208.33	97.29	111.04	1.876		
9,000.00	7,118.75	8,878.44	7,012.80	65.53	68.42	-59.52	151.05	-1,216.65	208.92	93.20	115.72	1.805		
9,100.00	7,117.68	8,978.44	7,011.56	67.98	71.29	-59.56	146.98	-1,316.55	209.52	89.05	120.47	1.739		
9,200.00	7,116.61	9,078.44	7,010.33	70.47	74.20	-59.61	142.91	-1,416.46	210.11	84.84	125.28	1.677		
9,300.00	7,115.54	9,178.44	7,009.10	72.98	77.14	-59.65	138.84	-1,516.37	210.71	80.57	130.14	1.619		
9,400.00	7,114.47	9,278.43	7,007.86	75.52	80.12	-59.69	134.76	-1,616.28	211.30	76.26	135.04	1.565		
9,500.00	7,113.40	9,378.43	7,006.63	78.08	83.12	-59.74	130.69	-1,716.19	211.90	71.91	139.99	1.514		
9,600.00	7,112.33	9,478.43	7,005.40	80.65	86.14	-59.78	126.62	-1,816.09	212.50	67.51	144.98	1.466 Level 3		
9,700.00	7,111.26	9,578.43	7,004.16	83.25	89.18	-59.82	122.55	-1,916.00	213.09	63.08	150.01	1.421 Level 3		
9,800.00	7,110.19	9,678.43	7,002.93	85.86	92.24	-59.87	118.48	-2,015.91	213.69	58.62	155.07	1.378 Level 3		
9,900.00	7,109.12	9,778.42	7,001.69	88.48	95.32	-59.91	114.41	-2,115.82	214.29	54.13	160.16	1.338 Level 3		
10,000.00	7,108.04	9,878.42	7,000.46	91.12	98.41	-59.95	110.34	-2,215.72	214.88	49.61	165.27	1.300 Level 3		
10,100.00	7,106.97	9,978.42	6,999.23	93.77	101.52	-59.99	106.26	-2,315.63	215.48	45.07	170.41	1.264 Level 3		
10,200.00	7,105.90	10,078.42	6,997.99	96.43	104.64	-60.03	102.19	-2,415.54	216.08	40.50	175.58	1.231 Level 2		
10,300.00	7,104.83	10,178.42	6,996.76	99.10	107.78	-60.07	98.12	-2,515.45	216.67	35.91	180.76	1.199 Level 2		
10,400.00	7,103.76	10,278.42	6,995.53	101.78	110.92	-60.11	94.05	-2,615.35	217.27	31.31	185.97	1.168 Level 2		
10,500.00	7,102.69	10,378.41	6,994.29	104.47	114.07	-60.16	89.98	-2,715.26	217.87	26.68	191.19	1.140 Level 2		
10,600.00	7,101.62	10,478.41	6,993.06	107.16	117.24	-60.20	85.91	-2,815.17	218.47	22.04	196.43	1.112 Level 2		
10,700.00	7,100.55	10,578.41	6,991.83	109.87	120.41	-60.24	81.84	-2,915.08	219.06	17.37	201.69	1.086 Level 2		
10,800.00	7,099.48	10,678.41	6,990.59	112.58	123.58	-60.28	77.76	-3,014.98	219.66	12.70	206.96	1.061 Level 2		
10,900.00	7,098.41	10,778.41	6,989.36	115.29	126.77	-60.32	73.69	-3,114.89	220.26	8.01	212.25	1.038 Level 2		
11,000.00	7,097.34	10,878.40	6,988.12	118.02	129.96	-60.36	69.62	-3,214.80	220.86	3.31	217.55	1.015 Level 2		
11,100.00	7,096.27	10,978.40	6,986.89	120.74	133.16	-60.39	65.55	-3,314.71	221.45	-1.41	222.86	0.994 Level 1		
11,200.00	7,095.20	11,078.40	6,985.66	123.48	136.36	-60.43	61.48	-3,414.61	222.05	-6.14	228.19	0.973 Level 1		
11,300.00	7,094.13	11,178.40	6,984.42	126.22	139.57	-60.47	57.41	-3,514.52	222.65	-10.88	233.53	0.953 Level 1		
11,400.00	7,093.06	11,278.40	6,983.19	128.96	142.79	-60.51	53.34	-3,614.43	223.25	-15.63	238.88	0.935 Level 1		
11,500.00	7,091.99	11,378.39	6,981.96	131.71	146.00	-60.55	49.26	-3,714.34	223.85	-20.39	244.23	0.917 Level 1		
11,600.00	7,090.92	11,478.39	6,980.72	134.46	149.23	-60.59	45.19	-3,814.24	224.45	-25.16	249.60	0.899 Level 1		
11,700.00	7,089.85	11,578.39	6,979.49	137.21	152.45	-60.63	41.12	-3,914.15	225.04	-29.94	254.98	0.883 Level 1		
11,800.00	7,088.78	11,678.39	6,978.25	139.97	155.68	-60.66	37.05	-4,014.06	225.64	-34.72	260.37	0.867 Level 1		
11,900.00	7,087.71	11,778.39	6,977.02	142.73	158.92	-60.70	32.98	-4,113.97	226.24	-39.52	265.76	0.851 Level 1		
12,000.00	7,086.64	11,878.38	6,975.79	145.50	162.16	-60.74	28.91	-4,213.87	226.84	-44.33	271.17	0.837 Level 1		
12,100.00	7,085.57	11,978.38	6,974.55	148.26	165.40	-60.78	24.84	-4,313.78	227.44	-49.14	276.58	0.822 Level 1		
12,200.00	7,084.50	12,078.38	6,973.32	151.03	168.64	-60.81	20.76	-4,413.69	228.04	-53.96	282.00	0.809 Level 1		
12,300.00	7,083.43	12,178.38	6,972.09	153.81	171.89	-60.85	16.69	-4,513.60	228.64	-58.79	287.43	0.795 Level 1		
12,400.00	7,082.36	12,278.38	6,970.85	156.58	175.14	-60.89	12.62	-4,613.50	229.24	-63.62	292.86	0.783 Level 1		
12,500.00	7,081.29	12,378.38	6,969.62	159.36	178.39	-60.92	8.55	-4,713.41	229.84	-68.46	298.30	0.770 Level 1		
12,600.00	7,080.22	12,478.37	6,968.39	162.14	181.64	-60.96	4.48	-4,813.32	230.44	-73.31	303.75	0.759 Level 1		
12,700.00	7,079.15	12,578.37	6,967.15	164.92	184.90	-61.00	0.41	-4,913.23	231.03	-78.17	309.20	0.747 Level 1		
12,800.00	7,078.08	12,678.37	6,965.92	167.71	188.16	-61.03	-3.66	-5,013.13	231.63	-83.03	314.66	0.736 Level 1		
12,900.00	7,077.01	12,778.37	6,964.68	170.49	191.42	-61.07	-7.74	-5,113.04	232.23	-87.89	320.13	0.725 Level 1		
13,000.00	7,075.93	12,878.37	6,963.45	173.28	194.68	-61.10	-11.81	-5,212.95	232.83	-92.77	325.60	0.715 Level 1		
13,100.00	7,074.86	12,978.36	6,962.22	176.07	197.94	-61.14	-15.88	-5,312.86	233.43	-97.64	331.08	0.705 Level 1		
13,200.00	7,073.79	13,078.36	6,960.98	178.86	201.21	-61.18	-19.95	-5,412.76	234.03	-102.53	336.56	0.695 Level 1		
13,300.00	7,072.72	13,178.36	6,959.75	181.65	204.48	-61.21	-24.02	-5,512.67	234.63	-107.41	342.05	0.686 Level 1		
13,400.00	7,071.65	13,278.36	6,958.52	184.45	207.74	-61.25	-28.09	-5,612.58	235.23	-112.31	347.54	0.677 Level 1		
13,500.00	7,070.58	13,378.36	6,957.28	187.25	211.01	-61.28	-32.16	-5,712.49	235.83	-117.20	353.04	0.668 Level 1		
13,600.00	7,069.51	13,478.35	6,956.05	190.04	214.29	-61.31	-36.24	-5,812.40	236.43	-122.11	358.54	0.659 Level 1		
13,700.00	7,068.44	13,578.35	6,954.82	192.84	217.56	-61.35	-40.31	-5,912.30	237.03	-127.01	364.05	0.651 Level 1		
13,800.00	7,067.37	13,678.35	6,953.58	195.64	220.83	-61.38	-44.38	-6,012.21	237.64	-131.93	369.56	0.643 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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,900.00	7,066.30	13,778.35	6,952.35	198.44	224.11	-61.42	-48.45	-6,112.12	238.24	-136.84	375.08	0.635 Level 1		
14,000.00	7,065.23	13,878.35	6,951.11	201.24	227.39	-61.45	-52.52	-6,212.03	238.84	-141.76	380.60	0.628 Level 1		
14,100.00	7,064.16	13,978.34	6,949.88	204.05	230.66	-61.49	-56.59	-6,311.93	239.44	-146.69	386.13	0.620 Level 1		
14,200.00	7,063.09	14,078.34	6,948.65	206.85	233.94	-61.52	-60.66	-6,411.84	240.04	-151.62	391.65	0.613 Level 1		
14,300.00	7,062.02	14,178.34	6,947.41	209.66	237.22	-61.55	-64.74	-6,511.75	240.64	-156.55	397.19	0.606 Level 1		
14,400.00	7,060.95	14,278.34	6,946.18	212.46	240.51	-61.59	-68.81	-6,611.66	241.24	-161.49	402.73	0.599 Level 1		
14,500.00	7,059.88	14,378.34	6,944.95	215.27	243.79	-61.62	-72.88	-6,711.56	241.84	-166.43	408.27	0.592 Level 1		
14,600.00	7,058.81	14,478.34	6,943.71	218.08	247.07	-61.65	-76.95	-6,811.47	242.44	-171.37	413.81	0.586 Level 1		
14,700.00	7,057.74	14,578.33	6,942.48	220.89	250.35	-61.68	-81.02	-6,911.38	243.04	-176.32	419.36	0.580 Level 1		
14,800.00	7,056.67	14,678.33	6,941.25	223.70	253.64	-61.72	-85.09	-7,011.29	243.64	-181.27	424.92	0.573 Level 1		
14,900.00	7,055.60	14,778.33	6,940.01	226.51	256.93	-61.75	-89.16	-7,111.19	244.25	-186.23	430.47	0.567 Level 1		
15,000.00	7,054.53	14,878.33	6,938.78	229.32	260.21	-61.78	-93.24	-7,211.10	244.85	-191.19	436.03	0.562 Level 1		
15,100.00	7,053.46	14,978.33	6,937.54	232.14	263.50	-61.81	-97.31	-7,311.01	245.45	-196.15	441.60	0.556 Level 1		
15,200.00	7,052.39	15,078.32	6,936.31	234.95	266.79	-61.85	-101.38	-7,410.92	246.05	-201.11	447.16	0.550 Level 1		
15,300.00	7,051.32	15,178.32	6,935.08	237.76	270.08	-61.88	-105.45	-7,510.82	246.65	-206.08	452.73	0.545 Level 1		
15,400.00	7,050.25	15,278.32	6,933.84	240.58	273.36	-61.91	-109.52	-7,610.73	247.25	-211.05	458.31	0.539 Level 1		
15,500.00	7,049.18	15,378.32	6,932.61	243.39	276.65	-61.94	-113.59	-7,710.64	247.86	-216.03	463.89	0.534 Level 1		
15,600.00	7,048.11	15,478.32	6,931.38	246.21	279.95	-61.97	-117.66	-7,810.55	248.46	-221.01	469.47	0.529 Level 1		
15,703.32	7,047.00	15,581.63	6,930.10	249.12	283.35	-62.00	-121.87	-7,913.77	249.08	-226.15	475.23	0.524 Level 1		
15,703.90	7,046.99	15,582.22	6,930.09	249.13	283.36	-62.00	-121.89	-7,914.35	249.08	-226.18	475.27	0.524 Level 1, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-174.50	-89.61	-8.63	90.02					
100.00	100.00	100.00	100.00	3.28	3.28	-174.50	-89.61	-8.63	90.02	83.45	6.57	13.704		
200.00	200.00	200.00	200.00	3.34	3.34	-174.50	-89.61	-8.63	90.02	83.35	6.67	13.489		
300.00	300.00	300.00	300.00	3.44	3.44	-174.50	-89.61	-8.63	90.02	83.13	6.89	13.066 CC, ES		
400.00	399.98	397.96	397.94	3.60	3.59	118.96	-90.81	-7.47	91.98	84.78	7.20	12.777		
500.00	499.84	495.70	495.55	3.80	3.78	119.24	-94.42	-3.99	97.83	90.23	7.60	12.880		
600.00	599.45	592.99	592.48	4.05	4.01	119.64	-100.38	1.77	107.57	99.50	8.07	13.324		
700.00	698.70	689.63	688.43	4.32	4.27	120.06	-108.64	9.75	121.17	112.55	8.62	14.058		
740.00	738.27	728.05	726.46	4.45	4.38	120.22	-112.57	13.54	127.68	118.83	8.86	14.418		
800.00	797.57	785.45	783.13	4.63	4.55	120.41	-119.13	19.87	138.28	129.06	9.22	14.997		
900.00	896.39	883.61	879.86	4.96	4.88	120.35	-131.14	31.48	156.64	146.78	9.86	15.884		
1,000.00	995.21	981.91	976.73	5.32	5.23	120.30	-143.18	43.10	175.00	164.46	10.54	16.597		
1,100.00	1,094.03	1,080.21	1,073.59	5.69	5.61	120.25	-155.21	54.72	193.37	182.11	11.26	17.167		
1,200.00	1,192.86	1,178.51	1,170.46	6.07	5.99	120.22	-167.25	66.35	211.73	199.72	12.01	17.626		
1,300.00	1,291.68	1,276.81	1,267.32	6.47	6.39	120.19	-179.28	77.97	230.10	217.31	12.78	17.998		
1,400.00	1,390.50	1,375.11	1,364.19	6.88	6.80	120.17	-191.32	89.59	248.46	234.89	13.58	18.300		
1,500.00	1,489.33	1,473.41	1,461.05	7.29	7.22	120.15	-203.36	101.21	266.83	252.44	14.39	18.547		
1,600.00	1,588.15	1,571.71	1,557.92	7.71	7.65	120.13	-215.39	112.84	285.19	269.98	15.21	18.751		
1,700.00	1,686.97	1,670.01	1,654.78	8.14	8.08	120.11	-227.43	124.46	303.56	287.51	16.04	18.920		
1,800.00	1,785.79	1,768.31	1,751.64	8.57	8.52	120.10	-239.46	136.08	321.92	305.03	16.89	19.060		
1,900.00	1,884.62	1,866.61	1,848.51	9.01	8.96	120.08	-251.50	147.70	340.29	322.55	17.74	19.178		
2,000.00	1,983.44	1,964.90	1,945.37	9.45	9.41	120.07	-263.53	159.33	358.65	340.05	18.60	19.278		
2,100.00	2,082.26	2,063.20	2,042.24	9.89	9.86	120.06	-275.57	170.95	377.02	357.55	19.47	19.362		
2,200.00	2,181.09	2,161.50	2,139.10	10.33	10.31	120.05	-287.61	182.57	395.39	375.04	20.35	19.434		
2,300.00	2,279.91	2,259.80	2,235.97	10.78	10.77	120.04	-299.64	194.19	413.75	392.53	21.22	19.495		
2,400.00	2,378.73	2,358.10	2,332.83	11.23	11.23	120.04	-311.68	205.82	432.12	410.01	22.11	19.547		
2,500.00	2,477.55	2,456.40	2,429.70	11.68	11.68	120.03	-323.71	217.44	450.48	427.49	22.99	19.593		
2,600.00	2,576.38	2,554.70	2,526.56	12.13	12.15	120.02	-335.75	229.06	468.85	444.96	23.88	19.632		
2,700.00	2,675.20	2,653.00	2,623.43	12.59	12.61	120.02	-347.78	240.69	487.21	462.44	24.77	19.665		
2,800.00	2,774.02	2,751.30	2,720.29	13.04	13.07	120.01	-359.82	252.31	505.58	479.91	25.67	19.695		
2,900.00	2,872.85	2,849.60	2,817.16	13.50	13.54	120.00	-371.85	263.93	523.94	497.37	26.57	19.720		
3,000.00	2,971.67	2,947.90	2,914.02	13.96	14.00	120.00	-383.89	275.55	542.31	514.84	27.47	19.743		
3,100.00	3,070.49	3,046.19	3,010.89	14.41	14.47	120.00	-395.93	287.18	560.67	532.30	28.37	19.762		
3,200.00	3,169.31	3,144.49	3,107.75	14.87	14.94	119.99	-407.96	298.80	579.04	549.76	29.28	19.779		
3,300.00	3,268.14	3,242.79	3,204.62	15.33	15.41	119.99	-420.00	310.42	597.40	567.22	30.18	19.794		
3,400.00	3,366.96	3,341.09	3,301.48	15.79	15.88	119.98	-432.03	322.04	615.77	584.68	31.09	19.807		
3,500.00	3,465.78	3,439.39	3,398.35	16.25	16.35	119.98	-444.07	333.67	634.13	602.14	32.00	19.819		
3,600.00	3,564.61	3,537.69	3,495.21	16.72	16.82	119.98	-456.10	345.29	652.50	619.59	32.91	19.829		
3,700.00	3,663.43	3,635.99	3,592.07	17.18	17.29	119.97	-468.14	356.91	670.86	637.05	33.82	19.838		
3,800.00	3,762.25	3,734.29	3,688.94	17.64	17.76	119.97	-480.17	368.53	689.23	654.50	34.73	19.845		
3,900.00	3,861.07	3,832.59	3,785.80	18.10	18.23	119.97	-492.21	380.16	707.59	671.95	35.64	19.852		
4,000.00	3,959.90	3,930.89	3,882.67	18.57	18.71	119.96	-504.25	391.78	725.96	689.40	36.56	19.858		
4,100.00	4,058.72	4,029.19	3,979.53	19.03	19.18	119.96	-516.28	403.40	744.32	706.85	37.47	19.864		
4,200.00	4,157.54	4,127.48	4,076.40	19.50	19.66	119.96	-528.32	415.02	762.69	724.30	38.39	19.868		
4,300.00	4,256.37	4,225.78	4,173.26	19.96	20.13	119.96	-540.35	426.65	781.06	741.75	39.30	19.872		
4,400.00	4,355.19	4,324.08	4,270.13	20.43	20.60	119.95	-552.39	438.27	799.42	759.20	40.22	19.876		
4,500.00	4,454.01	4,422.38	4,366.99	20.89	21.08	119.95	-564.42	449.89	817.79	776.65	41.14	19.879		
4,600.00	4,552.83	4,520.68	4,463.86	21.36	21.55	119.95	-576.46	461.52	836.15	794.09	42.06	19.881		
4,700.00	4,651.66	4,618.98	4,560.72	21.82	22.03	119.95	-588.50	473.14	854.52	811.54	42.98	19.883		
4,800.00	4,750.48	4,717.28	4,657.59	22.29	22.51	119.95	-600.53	484.76	872.88	828.99	43.90	19.885		
4,900.00	4,849.30	4,815.58	4,754.45	22.76	22.98	119.94	-612.57	496.38	891.25	846.43	44.82	19.887		
5,000.00	4,948.13	4,913.88	4,851.32	23.22	23.46	119.94	-624.60	508.01	909.61	863.88	45.74	19.888		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,012.18	4,948.18	23.69	23.93	119.94	-636.64	519.63	927.98	881.32	46.66	19.889		
5,200.00	5,145.77	5,110.48	5,045.05	24.16	24.41	119.94	-648.67	531.25	946.34	898.76	47.58	19.890		
5,300.00	5,244.59	5,208.78	5,141.91	24.62	24.89	119.94	-660.71	542.87	964.71	916.21	48.50	19.891		
5,400.00	5,343.42	5,307.07	5,238.77	25.09	25.36	119.94	-672.74	554.50	983.07	933.65	49.42	19.891		
5,500.00	5,442.24	5,405.37	5,335.64	25.56	25.84	119.94	-684.78	566.12	1,001.44	951.09	50.35	19.891		
5,600.00	5,541.06	5,503.67	5,432.50	26.03	26.32	119.93	-696.82	577.74	1,019.80	968.54	51.27	19.892		
5,700.00	5,639.89	5,601.97	5,529.37	26.50	26.80	119.93	-708.85	589.36	1,038.17	985.98	52.19	19.892		
5,800.00	5,738.71	5,700.27	5,626.23	26.96	27.27	119.93	-720.89	600.99	1,056.53	1,003.42	53.11	19.892		
5,900.00	5,837.53	5,798.57	5,723.10	27.43	27.75	119.93	-732.92	612.61	1,074.90	1,020.86	54.04	19.891		
6,000.00	5,936.35	5,903.13	5,819.96	27.90	28.26	119.93	-744.96	624.23	1,093.27	1,038.27	54.99	19.880		
6,100.00	6,035.18	6,004.83	5,916.83	28.37	28.75	119.93	-756.99	635.85	1,111.63	1,055.70	55.93	19.874		
6,200.00	6,134.00	6,093.47	6,013.69	28.84	29.19	119.93	-769.03	647.48	1,130.00	1,073.18	56.81	19.890		
6,300.00	6,232.82	6,208.23	6,110.56	29.31	29.74	119.93	-781.06	659.10	1,148.36	1,090.55	57.81	19.863		
6,400.00	6,331.64	6,309.93	6,207.42	29.77	30.24	119.92	-793.10	670.72	1,166.73	1,107.97	58.76	19.857		
6,477.15	6,407.89	6,365.91	6,282.16	30.14	30.51	119.92	-802.39	679.69	1,180.90	1,121.52	59.38	19.889		
6,500.00	6,430.52	6,388.37	6,304.29	30.24	30.62	126.51	-805.14	682.35	1,185.03	1,125.45	59.58	19.888		
6,550.00	6,480.31	6,437.47	6,352.67	30.46	30.86	162.47	-811.15	688.15	1,193.66	1,133.63	60.03	19.885		
6,600.00	6,530.22	6,486.23	6,400.72	30.66	31.10	-128.85	-817.12	693.92	1,201.70	1,141.25	60.45	19.879		
6,650.00	6,579.93	6,534.35	6,448.14	30.85	31.33	-104.01	-823.01	699.61	1,209.16	1,148.31	60.86	19.870		
6,700.00	6,629.13	6,581.53	6,494.64	31.04	31.56	-95.65	-828.79	705.19	1,216.11	1,154.86	61.25	19.854		
6,750.00	6,677.53	6,619.63	6,532.28	31.23	31.74	-91.66	-833.49	708.61	1,222.79	1,161.23	61.56	19.864		
6,800.00	6,724.83	6,658.14	6,570.46	31.43	31.91	-89.41	-838.31	709.77	1,229.37	1,167.50	61.87	19.870		
6,850.00	6,770.73	6,697.32	6,609.30	31.63	32.07	-88.03	-843.26	708.55	1,235.85	1,173.66	62.19	19.873		
6,900.00	6,814.95	6,737.27	6,648.74	31.84	32.22	-87.15	-848.35	704.84	1,242.21	1,179.70	62.52	19.870		
6,950.00	6,857.22	6,778.08	6,688.72	32.06	32.36	-86.60	-853.56	698.47	1,248.45	1,185.58	62.87	19.857		
7,000.00	6,897.28	6,819.88	6,729.14	32.29	32.51	-86.28	-858.90	689.30	1,254.54	1,191.28	63.26	19.833		
7,050.00	6,934.88	6,862.79	6,769.91	32.54	32.65	-86.14	-864.34	677.11	1,260.47	1,196.80	63.68	19.795		
7,100.00	6,969.79	6,906.96	6,810.92	32.81	32.79	-86.15	-869.88	661.71	1,266.24	1,202.10	64.13	19.744		
7,150.00	7,001.79	6,952.53	6,852.02	33.11	32.93	-86.28	-875.51	642.85	1,271.80	1,207.17	64.63	19.677		
7,200.00	7,030.69	6,999.70	6,893.02	33.44	33.07	-86.52	-881.22	620.25	1,277.16	1,211.97	65.18	19.594		
7,250.00	7,056.31	7,048.67	6,933.69	33.81	33.22	-86.85	-886.97	593.63	1,282.27	1,216.49	65.78	19.493		
7,300.00	7,078.48	7,099.64	6,973.74	34.21	33.38	-87.28	-892.73	562.64	1,287.10	1,220.68	66.43	19.376		
7,350.00	7,097.08	7,152.87	7,012.78	34.65	33.56	-87.80	-898.47	526.95	1,291.63	1,224.49	67.14	19.239		
7,400.00	7,112.00	7,208.61	7,050.33	35.12	33.76	-88.40	-904.14	486.17	1,295.80	1,227.89	67.90	19.083		
7,450.00	7,123.12	7,267.14	7,085.79	35.64	33.99	-89.08	-909.66	439.96	1,299.55	1,230.81	68.74	18.905		
7,500.00	7,130.40	7,328.72	7,118.37	36.19	34.27	-89.84	-914.94	388.00	1,302.84	1,233.18	69.66	18.703		
7,550.00	7,133.78	7,393.61	7,147.14	36.77	34.63	-90.67	-919.87	330.07	1,305.57	1,234.90	70.67	18.474		
7,574.97	7,134.00	7,427.34	7,159.73	37.06	34.85	-91.10	-922.16	298.88	1,306.70	1,235.49	71.22	18.348		
7,600.00	7,133.73	7,462.28	7,171.03	37.37	35.09	-91.61	-924.32	265.89	1,307.68	1,235.88	71.80	18.213		
7,700.00	7,132.66	7,612.80	7,198.64	38.71	36.41	-92.89	-931.08	118.43	1,309.61	1,234.99	74.61	17.552		
7,800.00	7,131.59	7,732.78	7,198.82	40.20	37.76	-92.96	-933.75	-1.48	1,308.34	1,230.76	77.57	16.866		
7,900.00	7,130.52	7,832.77	7,197.00	41.84	39.09	-92.93	-935.72	-101.43	1,306.80	1,226.21	80.59	16.216		
8,000.00	7,129.45	7,932.75	7,195.19	43.60	40.59	-92.90	-937.70	-201.38	1,305.26	1,221.38	83.88	15.561		
8,100.00	7,128.38	8,032.74	7,193.37	45.47	42.23	-92.87	-939.68	-301.33	1,303.73	1,216.31	87.42	14.914		
8,200.00	7,127.31	8,132.72	7,191.55	47.44	44.00	-92.84	-941.65	-401.28	1,302.19	1,211.02	91.17	14.282		
8,300.00	7,126.24	8,232.71	7,189.74	49.49	45.89	-92.81	-943.63	-501.23	1,300.65	1,205.53	95.12	13.673		
8,400.00	7,125.17	8,332.70	7,187.92	51.61	47.87	-92.78	-945.60	-601.18	1,299.12	1,199.88	99.24	13.090		
8,500.00	7,124.10	8,432.68	7,186.10	53.81	49.94	-92.75	-947.58	-701.12	1,297.58	1,194.07	103.51	12.536		
8,600.00	7,123.03	8,532.67	7,184.29	56.06	52.08	-92.72	-949.56	-801.07	1,296.05	1,188.14	107.91	12.010		
8,700.00	7,121.96	8,632.65	7,182.47	58.36	54.29	-92.69	-951.53	-901.02	1,294.51	1,182.09	112.43	11.514		
8,800.00	7,120.89	8,732.64	7,180.65	60.71	56.56	-92.66	-953.51	-1,000.97	1,292.98	1,175.93	117.05	11.047		
8,900.00	7,119.82	8,832.63	7,178.83	63.10	58.87	-92.63	-955.48	-1,100.92	1,291.45	1,169.69	121.76	10.607		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Boomerang 34C-6-M - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,118.75	8,932.61	7,177.02	65.53	61.24	-92.60	-957.46	-1,200.87	1,289.91	1,163.37	126.55	10.193		
9,100.00	7,117.68	9,032.60	7,175.20	67.98	63.64	-92.57	-959.44	-1,300.82	1,288.38	1,156.97	131.41	9.804		
9,200.00	7,116.61	9,132.58	7,173.38	70.47	66.08	-92.54	-961.41	-1,400.77	1,286.85	1,150.51	136.34	9.439		
9,300.00	7,115.54	9,232.57	7,171.57	72.98	68.55	-92.51	-963.39	-1,500.72	1,285.31	1,143.99	141.32	9.095		
9,400.00	7,114.47	9,332.56	7,169.75	75.52	71.05	-92.48	-965.36	-1,600.67	1,283.78	1,137.42	146.36	8.772		
9,500.00	7,113.40	9,432.54	7,167.93	78.08	73.57	-92.45	-967.34	-1,700.62	1,282.25	1,130.81	151.44	8.467		
9,600.00	7,112.33	9,532.53	7,166.12	80.65	76.12	-92.42	-969.32	-1,800.57	1,280.72	1,124.15	156.57	8.180		
9,700.00	7,111.26	9,632.51	7,164.30	83.25	78.68	-92.39	-971.29	-1,900.52	1,279.19	1,117.46	161.73	7.909		
9,800.00	7,110.19	9,732.50	7,162.48	85.86	81.27	-92.36	-973.27	-2,000.47	1,277.66	1,110.73	166.93	7.654		
9,900.00	7,109.12	9,832.48	7,160.67	88.48	83.87	-92.32	-975.24	-2,100.42	1,276.13	1,103.97	172.15	7.413		
10,000.00	7,108.04	9,932.47	7,158.85	91.12	86.49	-92.29	-977.22	-2,200.37	1,274.60	1,097.19	177.41	7.184		
10,100.00	7,106.97	10,032.46	7,157.03	93.77	89.12	-92.26	-979.19	-2,300.32	1,273.07	1,090.37	182.70	6.968		
10,200.00	7,105.90	10,132.44	7,155.21	96.43	91.77	-92.23	-981.17	-2,400.27	1,271.54	1,083.54	188.00	6.763		
10,300.00	7,104.83	10,232.43	7,153.40	99.10	94.43	-92.20	-983.15	-2,500.22	1,270.01	1,076.68	193.33	6.569		
10,400.00	7,103.76	10,332.41	7,151.58	101.78	97.10	-92.17	-985.12	-2,600.17	1,268.48	1,069.80	198.68	6.384		
10,500.00	7,102.69	10,432.40	7,149.76	104.47	99.77	-92.14	-987.10	-2,700.12	1,266.95	1,062.90	204.05	6.209		
10,600.00	7,101.62	10,532.39	7,147.95	107.16	102.46	-92.11	-989.07	-2,800.07	1,265.43	1,055.99	209.44	6.042		
10,700.00	7,100.55	10,632.37	7,146.13	109.87	105.16	-92.08	-991.05	-2,900.02	1,263.90	1,049.06	214.84	5.883		
10,800.00	7,099.48	10,732.36	7,144.31	112.58	107.86	-92.04	-993.03	-2,999.97	1,262.37	1,042.12	220.25	5.731		
10,900.00	7,098.41	10,832.34	7,142.50	115.29	110.57	-92.01	-995.00	-3,099.92	1,260.84	1,035.16	225.68	5.587		
11,000.00	7,097.34	10,932.33	7,140.68	118.02	113.29	-91.98	-996.98	-3,199.87	1,259.32	1,028.19	231.12	5.449		
11,100.00	7,096.27	11,032.32	7,138.86	120.74	116.01	-91.95	-998.95	-3,299.82	1,257.79	1,021.21	236.58	5.317		
11,200.00	7,095.20	11,132.30	7,137.05	123.48	118.74	-91.92	-1,000.93	-3,399.77	1,256.27	1,014.22	242.04	5.190		
11,300.00	7,094.13	11,232.29	7,135.23	126.22	121.48	-91.89	-1,002.91	-3,499.72	1,254.74	1,007.22	247.52	5.069		
11,400.00	7,093.06	11,332.27	7,133.41	128.96	124.22	-91.85	-1,004.88	-3,599.67	1,253.22	1,000.21	253.01	4.953		
11,500.00	7,091.99	11,432.26	7,131.59	131.71	126.96	-91.82	-1,006.86	-3,699.62	1,251.69	993.19	258.50	4.842		
11,600.00	7,090.92	11,532.25	7,129.78	134.46	129.71	-91.79	-1,008.83	-3,799.57	1,250.17	986.17	264.00	4.735		
11,700.00	7,089.85	11,632.23	7,127.96	137.21	132.46	-91.76	-1,010.81	-3,899.52	1,248.65	979.13	269.51	4.633		
11,800.00	7,088.78	11,732.22	7,126.14	139.97	135.22	-91.73	-1,012.79	-3,999.47	1,247.12	972.09	275.03	4.534		
11,900.00	7,087.71	11,832.20	7,124.33	142.73	137.98	-91.69	-1,014.76	-4,099.42	1,245.60	965.04	280.56	4.440		
12,000.00	7,086.64	11,932.19	7,122.51	145.50	140.74	-91.66	-1,016.74	-4,199.37	1,244.08	957.99	286.09	4.349		
12,100.00	7,085.57	12,032.18	7,120.69	148.26	143.51	-91.63	-1,018.71	-4,299.32	1,242.56	950.93	291.63	4.261		
12,200.00	7,084.50	12,132.16	7,118.88	151.03	146.28	-91.60	-1,020.69	-4,399.27	1,241.04	943.86	297.17	4.176		
12,300.00	7,083.43	12,232.15	7,117.06	153.81	149.06	-91.56	-1,022.66	-4,499.22	1,239.51	936.79	302.72	4.095		
12,400.00	7,082.36	12,332.13	7,115.24	156.58	151.83	-91.53	-1,024.64	-4,599.17	1,237.99	929.72	308.28	4.016		
12,500.00	7,081.29	12,432.12	7,113.43	159.36	154.61	-91.50	-1,026.62	-4,699.12	1,236.47	922.64	313.84	3.940		
12,600.00	7,080.22	12,532.11	7,111.61	162.14	157.39	-91.47	-1,028.59	-4,799.07	1,234.95	915.55	319.40	3.866		
12,700.00	7,079.15	12,632.09	7,109.79	164.92	160.18	-91.43	-1,030.57	-4,899.02	1,233.43	908.46	324.97	3.796		
12,800.00	7,078.08	12,732.08	7,107.97	167.71	162.96	-91.40	-1,032.54	-4,998.97	1,231.91	901.37	330.54	3.727		
12,900.00	7,077.01	12,832.06	7,106.16	170.49	165.75	-91.37	-1,034.52	-5,098.92	1,230.40	894.27	336.12	3.661		
13,000.00	7,075.93	12,932.05	7,104.34	173.28	168.54	-91.33	-1,036.50	-5,198.87	1,228.88	887.17	341.70	3.596		
13,100.00	7,074.86	13,032.04	7,102.52	176.07	171.33	-91.30	-1,038.47	-5,298.82	1,227.36	880.07	347.29	3.534		
13,200.00	7,073.79	13,132.02	7,100.71	178.86	174.13	-91.27	-1,040.45	-5,398.77	1,225.84	872.97	352.88	3.474		
13,300.00	7,072.72	13,232.01	7,098.89	181.65	176.92	-91.23	-1,042.42	-5,498.72	1,224.33	865.86	358.47	3.415		
13,400.00	7,071.65	13,331.99	7,097.07	184.45	179.72	-91.20	-1,044.40	-5,598.67	1,222.81	858.75	364.06	3.359		
13,500.00	7,070.58	13,431.98	7,095.26	187.25	182.52	-91.17	-1,046.38	-5,698.62	1,221.29	851.63	369.66	3.304		
13,600.00	7,069.51	13,531.96	7,093.44	190.04	185.32	-91.13	-1,048.35	-5,798.57	1,219.78	844.51	375.26	3.250		
13,700.00	7,068.44	13,631.95	7,091.62	192.84	188.12	-91.10	-1,050.33	-5,898.52	1,218.26	837.40	380.87	3.199		
13,800.00	7,067.37	13,731.94	7,089.81	195.64	190.92	-91.07	-1,052.30	-5,998.47	1,216.75	830.27	386.47	3.148		
13,900.00	7,066.30	13,831.92	7,087.99	198.44	193.73	-91.03	-1,054.28	-6,098.42	1,215.23	823.15	392.08	3.099		
14,000.00	7,065.23	13,931.91	7,086.17	201.24	196.53	-91.00	-1,056.26	-6,198.37	1,213.72	816.03	397.69	3.052		
14,100.00	7,064.16	14,031.89	7,084.35	204.05	199.34	-90.96	-1,058.23	-6,298.32	1,212.21	808.90	403.31	3.006		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	14,131.88	7,082.54	206.85	202.15	-90.93	-1,060.21	-6,398.27	1,210.69	801.77	408.92	2.961		
14,300.00	7,062.02	14,231.87	7,080.72	209.66	204.95	-90.90	-1,062.18	-6,498.22	1,209.18	794.64	414.54	2.917		
14,400.00	7,060.95	14,331.85	7,078.90	212.46	207.76	-90.86	-1,064.16	-6,598.17	1,207.67	787.51	420.16	2.874		
14,500.00	7,059.88	14,431.84	7,077.09	215.27	210.58	-90.83	-1,066.14	-6,698.12	1,206.15	780.38	425.78	2.833		
14,600.00	7,058.81	14,531.82	7,075.27	218.08	213.39	-90.79	-1,068.11	-6,798.07	1,204.64	773.24	431.40	2.792		
14,700.00	7,057.74	14,631.81	7,073.45	220.89	216.20	-90.76	-1,070.09	-6,898.02	1,203.13	766.10	437.03	2.753		
14,800.00	7,056.67	14,731.80	7,071.64	223.70	219.01	-90.72	-1,072.06	-6,997.97	1,201.62	758.97	442.65	2.715		
14,900.00	7,055.60	14,831.78	7,069.82	226.51	221.83	-90.69	-1,074.04	-7,097.92	1,200.11	751.83	448.28	2.677		
15,000.00	7,054.53	14,931.77	7,068.00	229.32	224.64	-90.65	-1,076.01	-7,197.87	1,198.60	744.69	453.91	2.641		
15,100.00	7,053.46	15,031.75	7,066.19	232.14	227.46	-90.62	-1,077.99	-7,297.82	1,197.09	737.55	459.54	2.605		
15,200.00	7,052.39	15,131.74	7,064.37	234.95	230.28	-90.58	-1,079.97	-7,397.77	1,195.58	730.41	465.18	2.570		
15,300.00	7,051.32	15,231.73	7,062.55	237.76	233.09	-90.55	-1,081.94	-7,497.72	1,194.08	723.26	470.81	2.536		
15,400.00	7,050.25	15,331.71	7,060.73	240.58	235.91	-90.51	-1,083.92	-7,597.67	1,192.57	716.12	476.45	2.503		
15,500.00	7,049.18	15,431.70	7,058.92	243.39	238.73	-90.48	-1,085.89	-7,697.62	1,191.06	708.98	482.08	2.471		
15,600.00	7,048.11	15,531.68	7,057.10	246.21	241.55	-90.44	-1,087.87	-7,797.57	1,189.55	701.83	487.72	2.439		
15,703.32	7,047.00	15,634.99	7,055.22	249.12	244.47	-90.41	-1,089.91	-7,900.84	1,188.00	694.45	493.55	2.407		
15,703.90	7,046.99	15,635.57	7,055.21	249.13	244.48	-90.41	-1,089.92	-7,901.42	1,187.99	694.41	493.58	2.407 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-74.67	-7.24	75.02					
100.00	100.00	100.00	100.00	3.28	3.28	-174.46	-74.67	-7.24	75.02	68.45	6.57	11.420		
200.00	200.00	200.00	200.00	3.34	3.34	-174.46	-74.67	-7.24	75.02	68.35	6.67	11.241		
300.00	300.00	300.00	300.00	3.44	3.44	-174.46	-74.67	-7.24	75.02	68.13	6.89	10.889 CC, ES		
400.00	399.98	398.50	398.48	3.60	3.59	118.94	-75.76	-5.94	76.84	69.64	7.20	10.674		
500.00	499.84	496.81	496.66	3.80	3.78	119.07	-79.03	-2.07	82.29	74.70	7.60	10.834		
600.00	599.45	594.74	594.22	4.05	4.01	119.25	-84.43	4.35	91.36	83.28	8.07	11.315		
700.00	698.70	692.09	690.87	4.32	4.28	119.42	-91.93	13.25	104.01	95.39	8.62	12.065		
740.00	738.27	730.83	729.21	4.45	4.39	119.47	-95.50	17.50	110.07	101.21	8.86	12.426		
800.00	797.57	788.83	786.46	4.63	4.57	119.47	-101.47	24.58	119.91	110.69	9.22	12.999		
900.00	896.39	887.39	883.61	4.96	4.90	119.14	-112.17	37.29	136.79	126.92	9.87	13.857		
1,000.00	995.21	985.95	980.76	5.32	5.25	118.90	-122.86	49.99	153.68	143.12	10.56	14.552		
1,100.00	1,094.03	1,084.51	1,077.92	5.69	5.63	118.69	-133.56	62.69	170.57	159.28	11.29	15.114		
1,200.00	1,192.86	1,183.07	1,175.07	6.07	6.01	118.53	-144.26	75.40	187.45	175.42	12.04	15.570		
1,300.00	1,291.68	1,281.64	1,272.22	6.47	6.42	118.39	-154.95	88.10	204.35	191.53	12.82	15.944		
1,400.00	1,390.50	1,380.20	1,369.38	6.88	6.83	118.28	-165.65	100.80	221.24	207.62	13.61	16.251		
1,500.00	1,489.33	1,478.76	1,466.53	7.29	7.25	118.18	-176.35	113.50	238.13	223.70	14.43	16.505		
1,600.00	1,588.15	1,577.32	1,563.68	7.71	7.67	118.09	-187.04	126.21	255.02	239.77	15.25	16.718		
1,700.00	1,686.97	1,675.89	1,660.84	8.14	8.11	118.02	-197.74	138.91	271.91	255.82	16.09	16.896		
1,800.00	1,785.79	1,774.45	1,757.99	8.57	8.55	117.95	-208.44	151.61	288.81	271.87	16.94	17.046		
1,900.00	1,884.62	1,873.01	1,855.14	9.01	8.99	117.89	-219.13	164.31	305.70	287.90	17.80	17.174		
2,000.00	1,983.44	1,971.57	1,952.29	9.45	9.44	117.84	-229.83	177.02	322.60	303.93	18.67	17.283		
2,100.00	2,082.26	2,070.13	2,049.45	9.89	9.89	117.79	-240.53	189.72	339.49	319.95	19.54	17.377		
2,200.00	2,181.09	2,168.70	2,146.60	10.33	10.34	117.74	-251.22	202.42	356.39	335.97	20.41	17.458		
2,300.00	2,279.91	2,267.26	2,243.75	10.78	10.80	117.71	-261.92	215.13	373.28	351.99	21.30	17.529		
2,400.00	2,378.73	2,365.82	2,340.91	11.23	11.25	117.67	-272.62	227.83	390.18	367.99	22.18	17.590		
2,500.00	2,477.55	2,464.38	2,438.06	11.68	11.71	117.64	-283.31	240.53	407.07	384.00	23.07	17.644		
2,600.00	2,576.38	2,562.94	2,535.21	12.13	12.17	117.61	-294.01	253.23	423.97	400.00	23.96	17.691		
2,700.00	2,675.20	2,661.51	2,632.37	12.59	12.64	117.58	-304.71	265.94	440.86	416.00	24.86	17.733		
2,800.00	2,774.02	2,760.07	2,729.52	13.04	13.10	117.55	-315.40	278.64	457.76	432.00	25.76	17.770		
2,900.00	2,872.85	2,858.63	2,826.67	13.50	13.57	117.53	-326.10	291.34	474.65	447.99	26.66	17.803		
3,000.00	2,971.67	2,957.19	2,923.82	13.96	14.03	117.50	-336.80	304.05	491.55	463.98	27.56	17.832		
3,100.00	3,070.49	3,055.76	3,020.98	14.41	14.50	117.48	-347.50	316.75	508.44	479.97	28.47	17.859		
3,200.00	3,169.31	3,154.32	3,118.13	14.87	14.97	117.46	-358.19	329.45	525.34	495.96	29.38	17.882		
3,300.00	3,268.14	3,252.88	3,215.28	15.33	15.44	117.45	-368.89	342.15	542.24	511.95	30.29	17.903		
3,400.00	3,366.96	3,351.44	3,312.44	15.79	15.91	117.43	-379.59	354.86	559.13	527.93	31.20	17.922		
3,500.00	3,465.78	3,450.00	3,409.59	16.25	16.38	117.41	-390.28	367.56	576.03	543.92	32.11	17.940		
3,600.00	3,564.61	3,548.57	3,506.74	16.72	16.85	117.40	-400.98	380.26	592.92	559.90	33.02	17.955		
3,700.00	3,663.43	3,647.13	3,603.90	17.18	17.32	117.38	-411.68	392.97	609.82	575.88	33.94	17.969		
3,800.00	3,762.25	3,745.69	3,701.05	17.64	17.80	117.37	-422.37	405.67	626.72	591.86	34.85	17.982		
3,900.00	3,861.07	3,844.25	3,798.20	18.10	18.27	117.36	-433.07	418.37	643.61	607.84	35.77	17.994		
4,000.00	3,959.90	3,942.81	3,895.36	18.57	18.74	117.34	-443.77	431.07	660.51	623.82	36.69	18.005		
4,100.00	4,058.72	4,041.38	3,992.51	19.03	19.22	117.33	-454.46	443.78	677.40	639.80	37.60	18.014		
4,200.00	4,157.54	4,139.94	4,089.66	19.50	19.69	117.32	-465.16	456.48	694.30	655.78	38.52	18.023		
4,300.00	4,256.37	4,238.50	4,186.81	19.96	20.16	117.31	-475.86	469.18	711.20	671.75	39.44	18.031		
4,400.00	4,355.19	4,337.06	4,283.97	20.43	20.64	117.30	-486.55	481.88	728.09	687.73	40.36	18.039		
4,500.00	4,454.01	4,435.63	4,381.12	20.89	21.11	117.29	-497.25	494.59	744.99	703.71	41.28	18.046		
4,600.00	4,552.83	4,534.19	4,478.27	21.36	21.59	117.28	-507.95	507.29	761.89	719.68	42.21	18.052		
4,700.00	4,651.66	4,632.75	4,575.43	21.82	22.07	117.27	-518.64	519.99	778.78	735.65	43.13	18.058		
4,800.00	4,750.48	4,731.31	4,672.58	22.29	22.54	117.26	-529.34	532.70	795.68	751.63	44.05	18.063		
4,900.00	4,849.30	4,829.87	4,769.73	22.76	23.02	117.25	-540.04	545.40	812.57	767.60	44.97	18.068		
5,000.00	4,948.13	4,928.44	4,866.89	23.22	23.49	117.25	-550.73	558.10	829.47	783.57	45.90	18.073		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,027.00	4,964.04	23.69	23.97	117.24	-561.43	570.80	846.37	799.55	46.82	18.077		
5,200.00	5,145.77	5,125.56	5,061.19	24.16	24.45	117.23	-572.13	583.51	863.26	815.52	47.75	18.081		
5,300.00	5,244.59	5,224.12	5,158.35	24.62	24.93	117.23	-582.82	596.21	880.16	831.49	48.67	18.084		
5,400.00	5,343.42	5,322.69	5,255.50	25.09	25.40	117.22	-593.52	608.91	897.06	847.46	49.60	18.088		
5,500.00	5,442.24	5,421.25	5,352.65	25.56	25.88	117.21	-604.22	621.62	913.95	863.43	50.52	18.091		
5,600.00	5,541.06	5,519.81	5,449.80	26.03	26.36	117.21	-614.91	634.32	930.85	879.40	51.45	18.094		
5,700.00	5,639.89	5,618.37	5,546.96	26.50	26.83	117.20	-625.61	647.02	947.75	895.37	52.37	18.096		
5,800.00	5,738.71	5,716.93	5,644.11	26.96	27.31	117.19	-636.31	659.72	964.64	911.34	53.30	18.099		
5,900.00	5,837.53	5,815.50	5,741.26	27.43	27.79	117.19	-647.00	672.43	981.54	927.31	54.23	18.101		
6,000.00	5,936.35	5,914.06	5,838.42	27.90	28.27	117.18	-657.70	685.13	998.44	943.28	55.15	18.103		
6,100.00	6,035.18	6,012.62	5,935.57	28.37	28.75	117.18	-668.40	697.83	1,015.33	959.25	56.08	18.105		
6,200.00	6,134.00	6,111.18	6,032.72	28.84	29.23	117.17	-679.09	710.54	1,032.23	975.22	57.01	18.107		
6,300.00	6,232.82	6,209.74	6,129.88	29.31	29.70	117.17	-689.79	723.24	1,049.12	991.19	57.94	18.108		
6,400.00	6,331.64	6,296.75	6,215.89	29.77	30.11	117.31	-699.35	731.80	1,066.40	1,007.66	58.74	18.154		
6,477.15	6,407.89	6,358.86	6,277.57	30.14	30.37	117.77	-706.41	731.12	1,080.75	1,021.48	59.28	18.232		
6,500.00	6,430.52	6,376.90	6,295.43	30.24	30.43	124.58	-708.49	729.79	1,085.16	1,025.74	59.43	18.261		
6,550.00	6,480.31	6,416.12	6,334.10	30.46	30.57	161.17	-713.06	725.14	1,094.81	1,035.09	59.72	18.331		
6,600.00	6,530.22	6,455.02	6,372.10	30.66	30.71	-129.35	-717.62	718.17	1,104.40	1,044.41	59.99	18.410		
6,650.00	6,579.93	6,493.67	6,409.35	30.85	30.84	-103.54	-722.16	708.95	1,113.85	1,053.61	60.24	18.491		
6,700.00	6,629.13	6,532.09	6,445.75	31.04	30.96	-94.08	-726.68	697.54	1,123.09	1,062.61	60.47	18.571		
6,750.00	6,677.53	6,570.34	6,481.24	31.23	31.09	-89.08	-731.16	684.01	1,132.06	1,071.35	60.71	18.647		
6,800.00	6,724.83	6,608.45	6,515.72	31.43	31.21	-85.85	-735.58	668.41	1,140.69	1,079.75	60.94	18.718		
6,850.00	6,770.73	6,646.45	6,549.12	31.63	31.33	-83.52	-739.95	650.82	1,148.94	1,087.76	61.18	18.779		
6,900.00	6,814.95	6,684.39	6,581.35	31.84	31.46	-81.74	-744.25	631.28	1,156.73	1,095.30	61.43	18.829		
6,950.00	6,857.22	6,722.30	6,612.33	32.06	31.58	-80.31	-748.46	609.87	1,164.04	1,102.34	61.70	18.866		
7,000.00	6,897.28	6,760.20	6,641.99	32.29	31.72	-79.16	-752.58	586.63	1,170.80	1,108.80	62.00	18.885		
7,050.00	6,934.88	6,800.00	6,671.58	32.54	31.86	-78.23	-756.78	560.36	1,176.99	1,114.64	62.35	18.877		
7,100.00	6,969.79	6,836.13	6,696.98	32.81	32.00	-77.47	-760.49	534.94	1,182.56	1,119.86	62.70	18.860		
7,150.00	7,001.79	6,874.22	6,722.15	33.11	32.16	-76.87	-764.25	506.62	1,187.50	1,124.37	63.13	18.811		
7,200.00	7,030.69	6,912.42	6,745.65	33.44	32.33	-76.41	-767.88	476.73	1,191.76	1,128.15	63.62	18.734		
7,250.00	7,056.31	6,950.00	6,766.99	33.81	32.52	-76.08	-771.28	445.99	1,195.35	1,131.19	64.16	18.630		
7,300.00	7,078.48	6,989.29	6,787.33	34.21	32.74	-75.89	-774.65	412.55	1,198.24	1,133.43	64.81	18.489		
7,350.00	7,097.08	7,028.01	6,805.32	34.65	32.97	-75.81	-777.78	378.41	1,200.42	1,134.89	65.53	18.320		
7,400.00	7,112.00	7,066.96	6,821.31	35.12	33.24	-75.84	-780.72	343.02	1,201.88	1,135.56	66.32	18.122		
7,450.00	7,123.12	7,106.18	6,835.19	35.64	33.53	-75.99	-783.46	306.45	1,202.64	1,135.44	67.20	17.896		
7,500.00	7,130.40	7,145.68	6,846.89	36.19	33.86	-76.25	-785.98	268.81	1,202.69	1,134.53	68.16	17.645		
7,550.00	7,133.78	7,185.51	6,856.30	36.77	34.22	-76.61	-788.27	230.18	1,202.05	1,132.85	69.19	17.372		
7,574.97	7,134.00	7,205.53	6,860.12	37.06	34.41	-76.83	-789.32	210.56	1,201.47	1,131.73	69.73	17.230		
7,600.00	7,133.73	7,225.76	6,863.35	37.37	34.61	-77.00	-790.32	190.62	1,200.86	1,130.56	70.29	17.084		
7,700.00	7,132.66	7,308.21	6,869.98	38.71	35.49	-77.35	-793.66	108.56	1,199.40	1,126.77	72.62	16.516		
7,800.00	7,131.59	7,404.28	6,868.91	40.20	36.67	-77.35	-796.55	12.54	1,198.95	1,123.65	75.30	15.922		
7,900.00	7,130.52	7,504.28	6,867.48	41.84	38.08	-77.32	-799.53	-87.41	1,198.54	1,120.22	78.32	15.302		
8,000.00	7,129.45	7,604.28	6,866.06	43.60	39.65	-77.30	-802.52	-187.35	1,198.14	1,116.53	81.61	14.682		
8,100.00	7,128.38	7,704.28	6,864.63	45.47	41.37	-77.28	-805.50	-287.29	1,197.73	1,112.59	85.14	14.068		
8,200.00	7,127.31	7,804.28	6,863.21	47.44	43.20	-77.26	-808.48	-387.24	1,197.33	1,108.45	88.87	13.472		
8,300.00	7,126.24	7,904.28	6,861.78	49.49	45.15	-77.24	-811.46	-487.18	1,196.92	1,104.13	92.79	12.900		
8,400.00	7,125.17	8,004.27	6,860.36	51.61	47.19	-77.22	-814.44	-587.13	1,196.51	1,099.65	96.86	12.353		
8,500.00	7,124.10	8,104.27	6,858.94	53.81	49.31	-77.19	-817.42	-687.07	1,196.11	1,095.03	101.08	11.833		
8,600.00	7,123.03	8,204.27	6,857.51	56.06	51.50	-77.17	-820.40	-787.01	1,195.70	1,090.29	105.42	11.342		
8,700.00	7,121.96	8,304.27	6,856.09	58.36	53.75	-77.15	-823.38	-886.96	1,195.30	1,085.43	109.87	10.880		
8,800.00	7,120.89	8,404.27	6,854.66	60.71	56.06	-77.13	-826.36	-986.90	1,194.89	1,080.48	114.41	10.444		
8,900.00	7,119.82	8,504.26	6,853.24	63.10	58.41	-77.11	-829.34	-1,086.84	1,194.49	1,075.45	119.04	10.034		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	8,604.26	6,851.81	65.53	60.81	-77.08	-832.32	-1,186.79	1,194.08	1,070.34	123.74	9.650		
9,100.00	7,117.68	8,704.26	6,850.39	67.98	63.24	-77.06	-835.31	-1,286.73	1,193.68	1,065.17	128.51	9.288		
9,200.00	7,116.61	8,804.26	6,848.97	70.47	65.71	-77.04	-838.29	-1,386.67	1,193.28	1,059.93	133.34	8.949		
9,300.00	7,115.54	8,904.26	6,847.54	72.98	68.21	-77.02	-841.27	-1,486.62	1,192.87	1,054.64	138.23	8.630		
9,400.00	7,114.47	9,004.25	6,846.12	75.52	70.73	-77.00	-844.25	-1,586.56	1,192.47	1,049.31	143.16	8.330		
9,500.00	7,113.40	9,104.25	6,844.69	78.08	73.28	-76.97	-847.23	-1,686.50	1,192.06	1,043.93	148.13	8.047		
9,600.00	7,112.33	9,204.25	6,843.27	80.65	75.84	-76.95	-850.21	-1,786.45	1,191.66	1,038.52	153.15	7.781		
9,700.00	7,111.26	9,304.25	6,841.84	83.25	78.43	-76.93	-853.19	-1,886.39	1,191.26	1,033.07	158.19	7.530		
9,800.00	7,110.19	9,404.25	6,840.42	85.86	81.03	-76.91	-856.17	-1,986.33	1,190.85	1,027.58	163.27	7.294		
9,900.00	7,109.12	9,504.25	6,839.00	88.48	83.65	-76.89	-859.15	-2,086.28	1,190.45	1,022.07	168.38	7.070		
10,000.00	7,108.04	9,604.24	6,837.57	91.12	86.29	-76.86	-862.13	-2,186.22	1,190.05	1,016.54	173.51	6.859		
10,100.00	7,106.97	9,704.24	6,836.15	93.77	88.94	-76.84	-865.11	-2,286.17	1,189.65	1,010.98	178.67	6.659		
10,200.00	7,105.90	9,804.24	6,834.72	96.43	91.60	-76.82	-868.10	-2,386.11	1,189.24	1,005.40	183.84	6.469		
10,300.00	7,104.83	9,904.24	6,833.30	99.10	94.26	-76.80	-871.08	-2,486.05	1,188.84	999.80	189.04	6.289		
10,400.00	7,103.76	10,004.24	6,831.87	101.78	96.94	-76.78	-874.06	-2,586.00	1,188.44	994.18	194.25	6.118		
10,500.00	7,102.69	10,104.23	6,830.45	104.47	99.63	-76.75	-877.04	-2,685.94	1,188.04	988.55	199.49	5.955		
10,600.00	7,101.62	10,204.23	6,829.03	107.16	102.33	-76.73	-880.02	-2,785.88	1,187.64	982.90	204.73	5.801		
10,700.00	7,100.55	10,304.23	6,827.60	109.87	105.04	-76.71	-883.00	-2,885.83	1,187.23	977.24	209.99	5.654		
10,800.00	7,099.48	10,404.23	6,826.18	112.58	107.75	-76.69	-885.98	-2,985.77	1,186.83	971.57	215.27	5.513		
10,900.00	7,098.41	10,504.23	6,824.75	115.29	110.47	-76.67	-888.96	-3,085.71	1,186.43	965.88	220.55	5.379		
11,000.00	7,097.34	10,604.23	6,823.33	118.02	113.19	-76.64	-891.94	-3,185.66	1,186.03	960.18	225.85	5.251		
11,100.00	7,096.27	10,704.22	6,821.90	120.74	115.92	-76.62	-894.92	-3,285.60	1,185.63	954.48	231.15	5.129		
11,200.00	7,095.20	10,804.22	6,820.48	123.48	118.66	-76.60	-897.91	-3,385.54	1,185.23	948.76	236.47	5.012		
11,300.00	7,094.13	10,904.22	6,819.06	126.22	121.40	-76.58	-900.89	-3,485.49	1,184.83	943.04	241.79	4.900		
11,400.00	7,093.06	11,004.22	6,817.63	128.96	124.15	-76.55	-903.87	-3,585.43	1,184.43	937.30	247.12	4.793		
11,500.00	7,091.99	11,104.22	6,816.21	131.71	126.90	-76.53	-906.85	-3,685.38	1,184.03	931.57	252.46	4.690		
11,600.00	7,090.92	11,204.21	6,814.78	134.46	129.65	-76.51	-909.83	-3,785.32	1,183.63	925.82	257.81	4.591		
11,700.00	7,089.85	11,304.21	6,813.36	137.21	132.41	-76.49	-912.81	-3,885.26	1,183.23	920.07	263.16	4.496		
11,800.00	7,088.78	11,404.21	6,811.93	139.97	135.17	-76.47	-915.79	-3,985.21	1,182.83	914.31	268.52	4.405		
11,900.00	7,087.71	11,504.21	6,810.51	142.73	137.94	-76.44	-918.77	-4,085.15	1,182.43	908.54	273.88	4.317		
12,000.00	7,086.64	11,604.21	6,809.09	145.50	140.70	-76.42	-921.75	-4,185.10	1,182.03	902.77	279.23	4.233		
12,100.00	7,085.57	11,704.21	6,807.67	148.26	143.47	-76.40	-924.73	-4,285.05	1,181.63	897.00	284.58	4.150		
12,200.00	7,084.50	11,804.21	6,806.25	151.03	146.24	-76.38	-927.71	-4,384.99	1,181.23	891.23	289.93	4.067		
12,300.00	7,083.43	11,904.21	6,804.83	153.81	149.01	-76.36	-930.69	-4,484.94	1,180.83	885.46	295.28	3.984		
12,400.00	7,082.36	12,004.21	6,803.41	156.58	151.78	-76.34	-933.67	-4,584.88	1,180.43	879.69	300.63	3.901		
12,500.00	7,081.29	12,104.21	6,801.99	159.36	154.55	-76.32	-936.65	-4,684.83	1,180.03	873.92	305.98	3.818		
12,600.00	7,080.22	12,204.21	6,799.57	162.14	157.32	-76.30	-939.63	-4,784.77	1,179.63	868.15	311.33	3.735		
12,700.00	7,079.15	12,304.21	6,798.15	164.92	160.09	-76.28	-942.61	-4,884.72	1,179.23	862.38	316.68	3.652		
12,800.00	7,078.08	12,404.21	6,796.73	167.71	162.86	-76.26	-945.59	-4,984.66	1,178.83	856.61	322.03	3.569		
12,900.00	7,077.01	12,504.21	6,795.31	170.49	165.63	-76.24	-948.57	-5,084.61	1,178.43	850.84	327.38	3.486		
13,000.00	7,075.93	12,604.21	6,793.89	173.28	168.40	-76.22	-951.55	-5,184.55	1,178.03	845.07	332.73	3.403		
13,100.00	7,074.86	12,704.21	6,792.47	176.07	171.17	-76.20	-954.53	-5,284.50	1,177.63	839.30	338.08	3.320		
13,200.00	7,073.79	12,804.21	6,791.05	178.86	173.94	-76.18	-957.51	-5,384.44	1,177.23	833.53	343.43	3.237		
13,300.00	7,072.72	12,904.21	6,789.63	181.65	176.71	-76.16	-960.49	-5,484.39	1,176.83	827.76	348.78	3.154		
13,400.00	7,071.65	13,004.21	6,788.21	184.44	179.48	-76.14	-963.47	-5,584.33	1,176.43	821.99	354.13	3.071		
13,500.00	7,070.58	13,104.21	6,786.79	187.23	182.25	-76.12	-966.45	-5,684.28	1,176.03	816.22	359.48	2.988		
13,600.00	7,069.51	13,204.21	6,785.37	190.02	185.02	-76.10	-969.43	-5,784.22	1,175.63	810.45	364.83	2.905		
13,700.00	7,068.44	13,304.21	6,783.95	192.81	187.79	-76.08	-972.41	-5,884.17	1,175.23	804.68	370.18	2.822		
13,800.00	7,067.37	13,404.21	6,782.53	195.60	190.56	-76.06	-975.39	-5,984.11	1,174.83	798.91	375.53	2.739		
13,900.00	7,066.30	13,504.21	6,781.11	198.39	193.33	-76.04	-978.37	-6,084.06	1,174.43	793.14	380.88	2.656		
14,000.00	7,065.23	13,604.21	6,779.69	201.18	196.10	-76.02	-981.35	-6,184.00	1,174.03	787.37	386.23	2.573		
14,100.00	7,064.16	13,704.21	6,778.27	203.97	198.87	-76.00	-984.33	-6,283.95	1,173.63	781.60	391.58	2.490		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
14,200.00	7,063.09	13,846.55	6,777.18	206.85	203.60	-74.80	-901.22	-6,427.14	1,089.52	691.98	397.54	2.741	
14,300.00	7,062.02	13,946.45	6,775.75	209.66	206.42	-74.72	-900.33	-6,527.03	1,085.40	682.55	402.85	2.694	
14,400.00	7,060.95	14,046.36	6,774.33	212.46	209.24	-74.64	-899.44	-6,626.92	1,081.28	673.12	408.16	2.649	
14,500.00	7,059.88	14,146.26	6,772.91	215.27	212.06	-74.56	-898.55	-6,726.81	1,077.16	663.69	413.47	2.605	
14,600.00	7,058.81	14,246.17	6,771.49	218.08	214.88	-74.48	-897.66	-6,826.70	1,073.05	654.28	418.77	2.562	
14,700.00	7,057.74	14,346.07	6,770.07	220.89	217.71	-74.40	-896.77	-6,926.59	1,068.94	644.87	424.07	2.521	
14,800.00	7,056.67	14,445.97	6,768.65	223.70	220.53	-74.32	-895.88	-7,026.48	1,064.83	635.46	429.36	2.480	
14,900.00	7,055.60	14,545.88	6,767.22	226.51	223.35	-74.24	-894.99	-7,126.37	1,060.72	626.06	434.65	2.440	
15,000.00	7,054.53	14,645.78	6,765.80	229.32	226.18	-74.15	-894.10	-7,226.26	1,056.61	616.67	439.94	2.402	
15,100.00	7,053.46	14,745.69	6,764.38	232.14	229.01	-74.07	-893.21	-7,326.15	1,052.51	607.29	445.22	2.364	
15,200.00	7,052.39	14,845.59	6,762.96	234.95	231.83	-73.99	-892.32	-7,426.04	1,048.41	597.91	450.49	2.327	
15,300.00	7,051.32	14,945.49	6,761.54	237.76	234.66	-73.90	-891.43	-7,525.93	1,044.31	588.54	455.77	2.291	
15,400.00	7,050.25	15,045.40	6,760.12	240.58	237.49	-73.82	-890.54	-7,625.82	1,040.21	579.18	461.03	2.256	
15,500.00	7,049.18	15,145.30	6,758.69	243.39	240.32	-73.73	-889.65	-7,725.71	1,036.12	569.82	466.29	2.222	
15,600.00	7,048.11	15,245.21	6,757.27	246.21	243.14	-73.64	-888.76	-7,825.60	1,032.02	560.47	471.55	2.189	
15,703.32	7,047.00	15,335.52	6,755.99	249.12	245.70	-73.56	-887.96	-7,915.90	1,027.88	551.08	476.80	2.156	
15,703.90	7,046.99	15,335.52	6,755.99	249.13	245.70	-73.56	-887.96	-7,915.90	1,027.86	551.04	476.82	2.156 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-174.37	-104.55	-10.30	105.06					
100.00	100.00	100.00	100.00	3.28	3.28	-174.37	-104.55	-10.30	105.06	98.49	6.57	15.992		
200.00	200.00	200.00	200.00	3.34	3.34	-174.37	-104.55	-10.30	105.06	98.38	6.67	15.741	CC, ES	
300.00	300.00	297.19	297.17	3.44	3.44	-174.93	-105.93	-9.39	106.38	99.49	6.89	15.444		
400.00	399.98	394.16	394.01	3.60	3.58	117.52	-110.04	-6.68	111.20	104.00	7.21	15.432		
500.00	499.84	490.65	490.15	3.80	3.77	117.12	-116.85	-2.20	120.32	112.70	7.62	15.794		
600.00	599.45	586.38	585.21	4.05	4.00	117.14	-126.28	4.01	133.67	125.56	8.11	16.486		
700.00	698.70	681.11	678.85	4.32	4.26	117.43	-138.21	11.87	151.20	142.54	8.66	17.456		
740.00	738.27	718.66	715.83	4.45	4.38	117.60	-143.65	15.45	159.37	150.47	8.90	17.909		
800.00	797.57	774.70	770.86	4.63	4.56	117.93	-152.53	21.30	172.58	163.31	9.26	18.630		
900.00	896.39	872.08	866.29	4.96	4.90	118.24	-168.70	31.95	195.30	185.41	9.89	19.743		
1,000.00	995.21	969.46	961.72	5.32	5.26	118.49	-184.87	42.60	218.03	207.46	10.57	20.628		
1,100.00	1,094.03	1,066.84	1,057.16	5.69	5.65	118.68	-201.05	53.25	240.77	229.48	11.28	21.340		
1,200.00	1,192.86	1,164.22	1,152.59	6.07	6.05	118.85	-217.22	63.91	263.50	251.48	12.02	21.913		
1,300.00	1,291.68	1,261.60	1,248.03	6.47	6.46	118.99	-233.39	74.56	286.24	273.45	12.79	22.377		
1,400.00	1,390.50	1,358.97	1,343.46	6.88	6.89	119.10	-249.56	85.21	308.98	295.40	13.58	22.754		
1,500.00	1,489.33	1,456.35	1,438.89	7.29	7.32	119.21	-265.73	95.86	331.72	317.34	14.38	23.062		
1,600.00	1,588.15	1,553.73	1,534.33	7.71	7.76	119.29	-281.90	106.51	354.46	339.26	15.20	23.315		
1,700.00	1,686.97	1,651.11	1,629.76	8.14	8.20	119.37	-298.08	117.16	377.20	361.17	16.03	23.524		
1,800.00	1,785.79	1,748.49	1,725.19	8.57	8.66	119.44	-314.25	127.81	399.94	383.07	16.88	23.698		
1,900.00	1,884.62	1,845.87	1,820.63	9.01	9.11	119.50	-330.42	138.46	422.69	404.96	17.73	23.844		
2,000.00	1,983.44	1,943.25	1,916.06	9.45	9.57	119.56	-346.59	149.11	445.43	426.84	18.59	23.966		
2,100.00	2,082.26	2,040.62	2,011.50	9.89	10.03	119.61	-362.76	159.77	468.17	448.72	19.45	24.070		
2,200.00	2,181.09	2,138.00	2,106.93	10.33	10.50	119.65	-378.93	170.42	490.92	470.60	20.32	24.157		
2,300.00	2,279.91	2,235.38	2,202.36	10.78	10.97	119.69	-395.11	181.07	513.66	492.46	21.20	24.232		
2,400.00	2,378.73	2,332.76	2,297.80	11.23	11.44	119.73	-411.28	191.72	536.41	514.33	22.08	24.296		
2,500.00	2,477.55	2,430.14	2,393.23	11.68	11.91	119.77	-427.45	202.37	559.15	536.19	22.96	24.351		
2,600.00	2,576.38	2,527.52	2,488.66	12.13	12.39	119.80	-443.62	213.02	581.90	558.04	23.85	24.398		
2,700.00	2,675.20	2,624.90	2,584.10	12.59	12.86	119.83	-459.79	223.67	604.64	579.90	24.74	24.438		
2,800.00	2,774.02	2,722.27	2,679.53	13.04	13.34	119.86	-475.97	234.32	627.38	601.75	25.64	24.473		
2,900.00	2,872.85	2,819.65	2,774.97	13.50	13.82	119.88	-492.14	244.98	650.13	623.60	26.53	24.504		
3,000.00	2,971.67	2,917.03	2,870.40	13.96	14.30	119.91	-508.31	255.63	672.88	645.44	27.43	24.530		
3,100.00	3,070.49	3,014.41	2,965.83	14.41	14.78	119.93	-524.48	266.28	695.62	667.29	28.33	24.553		
3,200.00	3,169.31	3,111.79	3,061.27	14.87	15.26	119.95	-540.65	276.93	718.37	689.13	29.23	24.573		
3,300.00	3,268.14	3,209.17	3,156.70	15.33	15.74	119.97	-556.82	287.58	741.11	710.97	30.14	24.590		
3,400.00	3,366.96	3,306.55	3,252.14	15.79	16.22	119.99	-573.00	298.23	763.86	732.81	31.04	24.605		
3,500.00	3,465.78	3,403.92	3,347.57	16.25	16.70	120.00	-589.17	308.88	786.60	754.65	31.95	24.618		
3,600.00	3,564.61	3,501.30	3,443.00	16.72	17.19	120.02	-605.34	319.53	809.35	776.49	32.86	24.630		
3,700.00	3,663.43	3,598.68	3,538.44	17.18	17.67	120.04	-621.51	330.18	832.09	798.32	33.77	24.640		
3,800.00	3,762.25	3,703.94	3,633.87	17.64	18.20	120.05	-637.68	340.84	854.84	820.12	34.72	24.622		
3,900.00	3,861.07	3,806.56	3,729.30	18.10	18.71	120.06	-653.85	351.49	877.59	841.93	35.66	24.612		
4,000.00	3,959.90	3,909.18	3,824.74	18.57	19.22	120.08	-670.03	362.14	900.33	863.74	36.59	24.603		
4,100.00	4,058.72	3,988.20	3,920.17	19.03	19.62	120.09	-686.20	372.79	923.08	885.66	37.42	24.667		
4,200.00	4,157.54	4,085.57	4,015.61	19.50	20.10	120.10	-702.37	383.44	945.82	907.49	38.34	24.672		
4,300.00	4,256.37	4,182.95	4,111.04	19.96	20.59	120.11	-718.54	394.09	968.57	929.32	39.25	24.676		
4,400.00	4,355.19	4,280.33	4,206.47	20.43	21.08	120.12	-734.71	404.74	991.32	951.15	40.17	24.680		
4,500.00	4,454.01	4,377.71	4,301.91	20.89	21.56	120.13	-750.88	415.39	1,014.06	972.98	41.08	24.682		
4,600.00	4,552.83	4,475.09	4,397.34	21.36	22.05	120.14	-767.06	426.04	1,036.81	994.81	42.00	24.685		
4,700.00	4,651.66	4,572.47	4,492.77	21.82	22.54	120.15	-783.23	436.70	1,059.55	1,016.63	42.92	24.687		
4,800.00	4,750.48	4,669.85	4,588.21	22.29	23.03	120.16	-799.40	447.35	1,082.30	1,038.46	43.84	24.688		
4,900.00	4,849.30	4,767.22	4,683.64	22.76	23.52	120.17	-815.57	458.00	1,105.05	1,060.29	44.76	24.689		
5,000.00	4,948.13	4,864.60	4,779.08	23.22	24.01	120.18	-831.74	468.65	1,127.79	1,082.11	45.68	24.690		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	4,961.98	4,874.51	23.69	24.50	120.19	-847.92	479.30	1,150.54	1,103.94	46.60	24.691		
5,200.00	5,145.77	5,059.36	4,969.94	24.16	24.99	120.19	-864.09	489.95	1,173.29	1,125.77	47.52	24.691		
5,300.00	5,244.59	5,156.74	5,065.38	24.62	25.47	120.20	-880.26	500.60	1,196.03	1,147.59	48.44	24.691		
5,400.00	5,343.42	5,254.12	5,160.81	25.09	25.96	120.21	-896.43	511.25	1,218.78	1,169.42	49.36	24.691		
5,500.00	5,442.24	5,351.50	5,256.25	25.56	26.45	120.22	-912.60	521.90	1,241.52	1,191.24	50.28	24.691		
5,600.00	5,541.06	5,448.87	5,351.68	26.03	26.94	120.22	-928.77	532.56	1,264.27	1,213.07	51.21	24.690		
5,700.00	5,639.89	5,546.25	5,447.11	26.50	27.43	120.23	-944.95	543.21	1,287.02	1,234.89	52.13	24.690		
5,800.00	5,738.71	5,643.63	5,542.55	26.96	27.92	120.24	-961.12	553.86	1,309.76	1,256.71	53.05	24.689		
5,900.00	5,837.53	5,741.01	5,637.98	27.43	28.41	120.24	-977.29	564.51	1,332.51	1,278.54	53.97	24.688		
6,000.00	5,936.35	5,838.39	5,733.41	27.90	28.91	120.25	-993.46	575.16	1,355.26	1,300.36	54.90	24.687		
6,100.00	6,035.18	5,935.77	5,828.85	28.37	29.40	120.25	-1,009.63	585.81	1,378.00	1,322.18	55.82	24.686		
6,200.00	6,134.00	6,033.15	5,924.28	28.84	29.89	120.26	-1,025.80	596.46	1,400.75	1,344.00	56.75	24.685		
6,300.00	6,232.82	6,130.52	6,019.72	29.31	30.38	120.26	-1,041.98	607.11	1,423.50	1,365.83	57.67	24.684		
6,400.00	6,331.64	6,227.90	6,115.15	29.77	30.87	120.27	-1,058.15	617.77	1,446.24	1,387.65	58.59	24.682		
6,477.15	6,407.89	6,303.03	6,188.78	30.14	31.25	120.27	-1,070.62	625.98	1,463.79	1,404.48	59.31	24.681		
6,500.00	6,430.52	6,325.29	6,210.59	30.24	31.36	126.96	-1,074.32	628.42	1,468.93	1,409.41	59.52	24.681		
6,550.00	6,480.31	6,373.96	6,258.29	30.46	31.61	163.16	-1,082.40	633.74	1,479.72	1,419.76	59.96	24.679		
6,600.00	6,530.22	6,422.34	6,305.70	30.66	31.85	-127.90	-1,090.44	639.03	1,489.88	1,429.50	60.38	24.675		
6,650.00	6,579.93	6,470.11	6,352.52	30.85	32.09	-102.77	-1,098.37	644.26	1,499.39	1,438.60	60.79	24.666		
6,700.00	6,629.13	6,517.00	6,398.47	31.04	32.33	-94.11	-1,106.16	649.39	1,508.28	1,447.09	61.18	24.657		
6,750.00	6,677.53	6,552.43	6,432.26	31.23	32.50	-89.81	-1,112.08	652.48	1,516.74	1,455.27	61.47	24.652		
6,800.00	6,724.83	6,587.27	6,467.58	31.43	32.66	-87.25	-1,117.97	653.61	1,524.98	1,463.23	61.75	24.697		
6,850.00	6,770.73	6,622.57	6,502.35	31.63	32.82	-85.56	-1,123.99	652.82	1,532.98	1,470.95	62.03	24.713		
6,900.00	6,814.95	6,658.42	6,537.55	31.84	32.97	-84.39	-1,130.15	650.01	1,540.73	1,478.40	62.33	24.719		
6,950.00	6,857.22	6,694.88	6,573.13	32.06	33.10	-83.56	-1,136.43	645.10	1,548.19	1,485.54	62.65	24.712		
7,000.00	6,897.28	6,732.06	6,609.04	32.29	33.23	-82.98	-1,142.84	637.98	1,555.36	1,492.37	62.99	24.691		
7,050.00	6,934.88	6,770.05	6,645.24	32.54	33.36	-82.58	-1,149.36	628.51	1,562.23	1,498.86	63.37	24.651		
7,100.00	6,969.79	6,808.97	6,681.67	32.81	33.48	-82.34	-1,155.99	616.55	1,568.77	1,504.98	63.79	24.592		
7,150.00	7,001.79	6,848.95	6,718.26	33.11	33.60	-82.23	-1,162.73	601.93	1,574.98	1,510.73	64.26	24.511		
7,200.00	7,030.69	6,890.15	6,754.94	33.44	33.72	-82.24	-1,169.56	584.46	1,580.85	1,516.08	64.77	24.407		
7,250.00	7,056.31	6,932.75	6,791.59	33.81	33.84	-82.37	-1,176.47	563.90	1,586.35	1,521.01	65.34	24.278		
7,300.00	7,078.48	6,976.95	6,828.09	34.21	33.96	-82.60	-1,183.46	539.99	1,591.48	1,525.51	65.97	24.126		
7,350.00	7,097.08	7,022.98	6,864.25	34.65	34.08	-82.93	-1,190.49	512.40	1,596.21	1,529.56	66.65	23.949		
7,400.00	7,112.00	7,071.13	6,899.85	35.12	34.20	-83.37	-1,197.54	480.78	1,600.54	1,533.15	67.39	23.749		
7,450.00	7,123.12	7,121.70	6,934.58	35.64	34.33	-83.91	-1,204.57	444.72	1,604.43	1,536.23	68.20	23.526		
7,500.00	7,130.40	7,175.06	6,968.03	36.19	34.47	-84.55	-1,211.52	403.75	1,607.85	1,538.78	69.07	23.280		
7,550.00	7,133.78	7,231.61	6,999.65	36.77	34.64	-85.30	-1,218.30	357.38	1,610.76	1,540.76	70.00	23.010		
7,574.97	7,134.00	7,261.19	7,014.53	37.06	34.73	-85.72	-1,221.60	332.03	1,612.02	1,541.52	70.50	22.866		
7,600.00	7,133.73	7,292.13	7,028.83	37.37	34.84	-86.24	-1,224.85	304.79	1,613.18	1,542.16	71.02	22.714		
7,700.00	7,132.66	7,431.19	7,076.33	38.71	35.53	-87.99	-1,236.76	174.93	1,617.01	1,543.50	73.51	21.997		
7,800.00	7,131.59	7,587.77	7,095.15	40.20	36.80	-88.71	-1,244.44	20.08	1,618.14	1,541.46	76.68	21.102		
7,900.00	7,130.52	7,707.22	7,093.07	41.84	38.15	-88.68	-1,247.08	-84.87	1,617.19	1,537.36	79.83	20.258		
8,000.00	7,129.45	7,807.23	7,090.96	43.60	39.51	-88.64	-1,249.58	-184.81	1,616.24	1,533.21	83.03	19.466		
8,100.00	7,128.38	7,907.24	7,088.86	45.47	41.05	-88.60	-1,252.07	-284.75	1,615.28	1,528.79	86.49	18.676		
8,200.00	7,127.31	7,992.75	7,086.75	47.44	42.49	-88.57	-1,254.57	-384.68	1,614.32	1,524.41	89.92	17.954		
8,300.00	7,126.24	8,092.73	7,084.64	49.49	44.28	-88.53	-1,257.06	-484.62	1,613.37	1,519.59	93.78	17.203		
8,400.00	7,125.17	8,207.28	7,082.53	51.61	46.47	-88.49	-1,259.56	-584.56	1,612.41	1,514.30	98.12	16.433		
8,500.00	7,124.10	8,307.29	7,080.42	53.81	48.49	-88.45	-1,262.05	-684.49	1,611.46	1,509.13	102.34	15.747		
8,600.00	7,123.03	8,407.30	7,078.31	56.06	50.59	-88.41	-1,264.55	-784.43	1,610.51	1,503.82	106.69	15.095		
8,700.00	7,121.96	8,507.31	7,076.21	58.36	52.76	-88.38	-1,267.04	-884.37	1,609.56	1,498.39	111.16	14.479		
8,800.00	7,120.89	8,607.32	7,074.10	60.71	54.99	-88.34	-1,269.54	-984.30	1,608.60	1,492.86	115.75	13.898		
8,900.00	7,119.82	8,692.67	7,071.99	63.10	56.94	-88.30	-1,272.03	-1,084.24	1,607.65	1,487.57	120.08	13.388		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	8,807.34	7,069.88	65.53	59.61	-88.26	-1,274.53	-1,184.17	1,606.70	1,481.52	125.18	12.835		
9,100.00	7,117.68	8,907.35	7,067.77	67.98	61.99	-88.22	-1,277.02	-1,284.11	1,605.75	1,475.74	130.02	12.350		
9,200.00	7,116.61	9,007.36	7,065.66	70.47	64.41	-88.19	-1,279.52	-1,384.05	1,604.80	1,469.89	134.92	11.895		
9,300.00	7,115.54	9,107.37	7,063.56	72.98	66.86	-88.15	-1,282.01	-1,483.98	1,603.86	1,463.98	139.88	11.466		
9,400.00	7,114.47	9,207.38	7,061.45	75.52	69.34	-88.11	-1,284.51	-1,583.92	1,602.91	1,458.02	144.89	11.063		
9,500.00	7,113.40	9,292.61	7,059.34	78.08	71.48	-88.07	-1,287.00	-1,683.86	1,601.96	1,452.38	149.58	10.710		
9,600.00	7,112.33	9,407.40	7,057.23	80.65	74.38	-88.03	-1,289.50	-1,783.79	1,601.02	1,445.96	155.06	10.325		
9,700.00	7,111.26	9,507.41	7,055.12	83.25	76.94	-88.00	-1,291.99	-1,883.73	1,600.07	1,439.87	160.20	9.988		
9,800.00	7,110.19	9,607.42	7,053.02	85.86	79.51	-87.96	-1,294.49	-1,983.67	1,599.13	1,433.74	165.38	9.669		
9,900.00	7,109.12	9,707.43	7,050.91	88.48	82.10	-87.92	-1,296.98	-2,083.60	1,598.18	1,427.59	170.59	9.368		
10,000.00	7,108.04	9,807.44	7,048.80	91.12	84.71	-87.88	-1,299.48	-2,183.54	1,597.24	1,421.41	175.83	9.084		
10,100.00	7,106.97	9,907.45	7,046.69	93.77	87.34	-87.84	-1,301.97	-2,283.48	1,596.30	1,415.20	181.10	8.815		
10,200.00	7,105.90	10,007.46	7,044.58	96.43	89.97	-87.80	-1,304.47	-2,383.41	1,595.36	1,408.97	186.39	8.559		
10,300.00	7,104.83	10,092.53	7,042.47	99.10	92.23	-87.76	-1,306.96	-2,483.35	1,594.41	1,403.11	191.31	8.334		
10,400.00	7,103.76	10,207.48	7,040.37	101.78	95.29	-87.73	-1,309.46	-2,583.28	1,593.47	1,396.44	197.03	8.087		
10,500.00	7,102.69	10,307.49	7,038.26	104.47	97.96	-87.69	-1,311.95	-2,683.22	1,592.53	1,390.15	202.39	7.869		
10,600.00	7,101.62	10,407.50	7,036.15	107.16	100.64	-87.65	-1,314.45	-2,783.16	1,591.60	1,383.84	207.75	7.661		
10,700.00	7,100.55	10,507.51	7,034.04	109.87	103.33	-87.61	-1,316.94	-2,883.09	1,590.66	1,377.52	213.14	7.463		
10,800.00	7,099.48	10,607.52	7,031.93	112.58	106.03	-87.57	-1,319.44	-2,983.03	1,589.72	1,371.18	218.54	7.274		
10,900.00	7,098.41	10,707.53	7,029.83	115.29	108.73	-87.53	-1,321.93	-3,082.97	1,588.78	1,364.83	223.95	7.094		
11,000.00	7,097.34	10,807.54	7,027.72	118.02	111.44	-87.49	-1,324.43	-3,182.90	1,587.85	1,358.47	229.38	6.922		
11,100.00	7,096.27	10,907.55	7,025.61	120.74	114.16	-87.45	-1,326.92	-3,282.84	1,586.91	1,352.10	234.81	6.758		
11,200.00	7,095.20	11,007.56	7,023.50	123.48	116.89	-87.41	-1,329.42	-3,382.78	1,585.98	1,345.72	240.26	6.601		
11,300.00	7,094.13	11,107.57	7,021.39	126.22	119.62	-87.38	-1,331.91	-3,482.71	1,585.05	1,339.33	245.72	6.451		
11,400.00	7,093.06	11,207.58	7,019.28	128.96	122.36	-87.34	-1,334.41	-3,582.65	1,584.11	1,332.93	251.18	6.307		
11,500.00	7,091.99	11,307.59	7,017.18	131.71	125.10	-87.30	-1,336.90	-3,682.59	1,583.18	1,326.52	256.66	6.168		
11,600.00	7,090.92	11,407.60	7,015.07	134.46	127.84	-87.26	-1,339.39	-3,782.52	1,582.25	1,320.11	262.14	6.036		
11,700.00	7,089.85	11,507.61	7,012.96	137.21	130.59	-87.22	-1,341.89	-3,882.46	1,581.32	1,313.68	267.63	5.908		
11,800.00	7,088.78	11,607.62	7,010.85	139.97	133.35	-87.18	-1,344.38	-3,982.39	1,580.39	1,307.26	273.13	5.786		
11,900.00	7,087.71	11,707.63	7,008.74	142.73	136.10	-87.14	-1,346.88	-4,082.33	1,579.46	1,300.82	278.64	5.668		
12,000.00	7,086.64	11,807.64	7,006.64	145.50	138.87	-87.10	-1,349.37	-4,182.27	1,578.53	1,294.38	284.15	5.555		
12,100.00	7,085.57	11,907.65	7,004.53	148.26	141.63	-87.06	-1,351.87	-4,282.20	1,577.60	1,287.94	289.67	5.446		
12,200.00	7,084.50	12,007.66	7,002.42	151.03	144.40	-87.02	-1,354.36	-4,382.14	1,576.68	1,281.49	295.19	5.341		
12,300.00	7,083.43	12,107.67	7,000.31	153.81	147.17	-86.98	-1,356.86	-4,482.08	1,575.75	1,275.03	300.72	5.240		
12,400.00	7,082.36	12,207.68	6,998.20	156.58	149.94	-86.94	-1,359.35	-4,582.01	1,574.82	1,268.58	306.25	5.142		
12,500.00	7,081.29	12,307.69	6,996.09	159.36	152.72	-86.90	-1,361.85	-4,681.95	1,573.90	1,262.11	311.79	5.048		
12,600.00	7,080.22	12,407.70	6,993.99	162.14	155.50	-86.86	-1,364.34	-4,781.89	1,572.98	1,255.65	317.33	4.957		
12,700.00	7,079.15	12,507.71	6,991.88	164.92	158.28	-86.82	-1,366.84	-4,881.82	1,572.05	1,249.18	322.87	4.869		
12,800.00	7,078.08	12,607.72	6,989.77	167.71	161.06	-86.78	-1,369.33	-4,981.76	1,571.13	1,242.71	328.42	4.784		
12,900.00	7,077.01	12,692.27	6,987.66	170.49	163.42	-86.74	-1,371.83	-5,081.70	1,570.21	1,236.67	333.54	4.708		
13,000.00	7,075.93	12,807.75	6,985.55	173.28	166.64	-86.70	-1,374.32	-5,181.63	1,569.29	1,229.76	339.53	4.622		
13,100.00	7,074.86	12,892.25	6,983.45	176.07	168.99	-86.66	-1,376.82	-5,281.57	1,568.37	1,223.71	344.66	4.551		
13,200.00	7,073.79	13,007.77	6,981.34	178.86	172.22	-86.62	-1,379.31	-5,381.50	1,567.45	1,216.80	350.65	4.470		
13,300.00	7,072.72	13,107.78	6,979.23	181.65	175.01	-86.58	-1,381.81	-5,481.44	1,566.53	1,210.32	356.21	4.398		
13,400.00	7,071.65	13,207.79	6,977.12	184.45	177.81	-86.54	-1,384.30	-5,581.38	1,565.61	1,203.83	361.78	4.328		
13,500.00	7,070.58	13,307.80	6,975.01	187.25	180.60	-86.50	-1,386.80	-5,681.31	1,564.70	1,197.34	367.35	4.259		
13,600.00	7,069.51	13,407.81	6,972.90	190.04	183.40	-86.46	-1,389.29	-5,781.25	1,563.78	1,190.86	372.92	4.193		
13,700.00	7,068.44	13,507.82	6,970.80	192.84	186.20	-86.42	-1,391.79	-5,881.19	1,562.86	1,184.37	378.50	4.129		
13,800.00	7,067.37	13,592.17	6,968.69	195.64	188.56	-86.38	-1,394.28	-5,981.12	1,561.95	1,178.31	383.64	4.071		
13,900.00	7,066.30	13,707.84	6,966.58	198.44	191.80	-86.34	-1,396.78	-6,081.06	1,561.03	1,171.38	389.65	4.006		
14,000.00	7,065.23	13,807.85	6,964.47	201.24	194.61	-86.30	-1,399.27	-6,181.00	1,560.12	1,164.89	395.23	3.947		
14,100.00	7,064.16	13,907.86	6,962.36	204.05	197.41	-86.26	-1,401.77	-6,280.93	1,559.21	1,158.40	400.81	3.890		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,063.09	14,007.87	6,960.26	206.85	200.22	-86.22	-1,404.26	-6,380.87	1,558.30	1,151.90	406.39	3.834		
14,300.00	7,062.02	14,107.88	6,958.15	209.66	203.02	-86.18	-1,406.76	-6,480.81	1,557.39	1,145.41	411.98	3.780		
14,400.00	7,060.95	14,207.89	6,956.04	212.46	205.83	-86.14	-1,409.25	-6,580.74	1,556.48	1,138.91	417.56	3.728		
14,500.00	7,059.88	14,292.10	6,953.93	215.27	208.20	-86.10	-1,411.75	-6,680.68	1,555.57	1,132.86	422.71	3.680		
14,600.00	7,058.81	14,392.09	6,951.82	218.08	211.01	-86.06	-1,414.24	-6,780.61	1,554.66	1,126.36	428.30	3.630		
14,700.00	7,057.74	14,492.08	6,949.71	220.89	213.82	-86.02	-1,416.74	-6,880.55	1,553.75	1,119.87	433.88	3.581		
14,800.00	7,056.67	14,607.93	6,947.61	223.70	217.08	-85.98	-1,419.23	-6,980.49	1,552.84	1,112.92	439.92	3.530		
14,900.00	7,055.60	14,707.94	6,945.50	226.51	219.89	-85.94	-1,421.73	-7,080.42	1,551.94	1,106.43	445.51	3.484		
15,000.00	7,054.53	14,792.05	6,943.39	229.32	222.25	-85.90	-1,424.22	-7,180.36	1,551.03	1,100.38	450.66	3.442		
15,100.00	7,053.46	14,892.04	6,941.28	232.14	225.07	-85.86	-1,426.72	-7,280.30	1,550.13	1,093.88	456.25	3.398		
15,200.00	7,052.39	14,992.03	6,939.17	234.95	227.88	-85.81	-1,429.21	-7,380.23	1,549.22	1,087.38	461.84	3.354		
15,300.00	7,051.32	15,107.98	6,937.07	237.76	231.15	-85.77	-1,431.71	-7,480.17	1,548.32	1,080.44	467.88	3.309		
15,400.00	7,050.25	15,207.99	6,934.96	240.58	233.96	-85.73	-1,434.20	-7,580.11	1,547.42	1,073.94	473.48	3.268		
15,500.00	7,049.18	15,308.00	6,932.85	243.39	236.78	-85.69	-1,436.70	-7,680.04	1,546.52	1,067.44	479.07	3.228		
15,600.00	7,048.11	15,408.01	6,930.74	246.21	239.60	-85.65	-1,439.19	-7,779.98	1,545.62	1,060.95	484.67	3.189		
15,703.32	7,047.00	15,495.30	6,928.56	249.12	242.06	-85.61	-1,441.77	-7,883.23	1,544.69	1,054.69	490.00	3.152		
15,703.90	7,046.99	15,495.88	6,928.55	249.13	242.08	-85.61	-1,441.78	-7,883.82	1,544.68	1,054.65	490.03	3.152 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-100.55	-822.91	-4,420.45	4,496.39					
100.00	100.00	110.00	110.00	3.28	3.89	-100.55	-822.91	-4,420.45	4,496.39	4,489.22	7.18	626.549		
200.00	200.00	210.00	210.00	3.34	6.48	-100.55	-822.91	-4,420.45	4,496.39	4,486.58	9.81	458.139		
300.00	300.00	310.00	310.00	3.44	9.65	-100.55	-822.91	-4,420.45	4,496.39	4,483.30	13.10	343.342		
400.00	399.98	409.98	409.98	3.60	12.99	-167.19	-822.91	-4,420.45	4,498.10	4,481.51	16.59	271.144		
500.00	499.84	509.84	509.84	3.80	16.38	-167.18	-822.91	-4,420.45	4,503.20	4,483.01	20.19	223.069		
600.00	599.45	609.45	609.45	4.05	19.80	-167.17	-822.91	-4,420.45	4,511.70	4,487.85	23.85	189.182		
700.00	698.70	708.70	708.70	4.32	23.23	-167.15	-822.91	-4,420.45	4,523.59	4,496.04	27.55	164.207		
740.00	738.27	748.27	748.27	4.45	24.60	-167.14	-822.91	-4,420.45	4,529.29	4,500.25	29.04	155.980		
800.00	797.57	807.57	807.57	4.63	26.65	-167.17	-822.91	-4,420.45	4,538.24	4,506.97	31.27	145.119		
900.00	896.39	906.39	906.39	4.96	30.08	-167.21	-822.91	-4,420.45	4,553.17	4,518.15	35.02	130.022		
1,000.00	995.21	1,005.21	1,005.21	5.32	33.51	-167.25	-822.91	-4,420.45	4,568.10	4,529.31	38.79	117.769		
1,100.00	1,094.03	1,104.03	1,104.03	5.69	36.94	-167.30	-822.91	-4,420.45	4,583.03	4,540.45	42.58	107.638		
1,200.00	1,192.86	1,202.86	1,202.86	6.07	40.38	-167.34	-822.91	-4,420.45	4,597.96	4,551.58	46.38	99.129		
1,300.00	1,291.68	1,301.68	1,301.68	6.47	43.82	-167.38	-822.91	-4,420.45	4,612.90	4,562.69	50.20	91.886		
1,400.00	1,390.50	1,400.50	1,400.50	6.88	47.26	-167.42	-822.91	-4,420.45	4,627.84	4,573.80	54.03	85.651		
1,500.00	1,489.33	1,500.67	1,499.33	7.29	50.75	-167.46	-822.91	-4,420.45	4,642.78	4,584.86	57.92	80.164		
1,600.00	1,588.15	1,601.85	1,598.15	7.71	54.27	-167.50	-822.91	-4,420.45	4,657.72	4,595.88	61.84	75.315		
1,700.00	1,686.97	1,703.03	1,696.97	8.14	57.80	-167.54	-822.91	-4,420.45	4,672.66	4,606.89	65.78	71.038		
1,800.00	1,785.79	1,804.21	1,795.79	8.57	61.33	-167.58	-822.91	-4,420.45	4,687.61	4,617.90	69.72	67.239		
1,900.00	1,884.62	1,905.38	1,894.62	9.01	64.85	-167.62	-822.91	-4,420.45	4,702.56	4,628.90	73.66	63.842		
2,000.00	1,983.44	2,006.56	1,993.44	9.45	68.38	-167.66	-822.91	-4,420.45	4,717.51	4,639.91	77.61	60.787		
2,100.00	2,082.26	2,107.74	2,092.26	9.89	71.91	-167.70	-822.91	-4,420.45	4,732.47	4,650.91	81.56	58.026		
2,200.00	2,181.09	2,208.91	2,191.09	10.33	75.44	-167.74	-822.91	-4,420.45	4,747.43	4,661.91	85.51	55.518		
2,300.00	2,279.91	2,289.91	2,289.91	10.78	78.26	-167.78	-822.91	-4,420.45	4,762.38	4,673.62	88.76	53.652		
2,400.00	2,378.73	2,388.73	2,388.73	11.23	81.71	-167.82	-822.91	-4,420.45	4,777.35	4,684.71	92.64	51.569		
2,500.00	2,477.55	2,487.55	2,487.55	11.68	85.16	-167.86	-822.91	-4,420.45	4,792.31	4,695.79	96.52	49.651		
2,600.00	2,576.38	2,586.38	2,586.38	12.13	88.61	-167.90	-822.91	-4,420.45	4,807.27	4,706.87	100.40	47.881		
2,700.00	2,675.20	2,685.20	2,685.20	12.59	92.05	-167.94	-822.91	-4,420.45	4,822.24	4,717.96	104.28	46.242		
2,800.00	2,774.02	2,784.02	2,784.02	13.04	95.50	-167.97	-822.91	-4,420.45	4,837.21	4,729.05	108.17	44.720		
2,900.00	2,872.85	2,882.85	2,882.85	13.50	98.95	-168.01	-822.91	-4,420.45	4,852.18	4,740.13	112.05	43.304		
3,000.00	2,971.67	2,981.67	2,981.67	13.96	102.40	-168.05	-822.91	-4,420.45	4,867.16	4,751.22	115.94	41.981		
3,100.00	3,070.49	3,080.49	3,080.49	14.41	105.85	-168.09	-822.91	-4,420.45	4,882.13	4,762.31	119.82	40.744		
3,200.00	3,169.31	3,179.31	3,179.31	14.87	109.29	-168.12	-822.91	-4,420.45	4,897.11	4,773.40	123.71	39.585		
3,300.00	3,268.14	3,278.14	3,278.14	15.33	112.74	-168.16	-822.91	-4,420.45	4,912.09	4,784.49	127.60	38.496		
3,400.00	3,366.96	3,376.96	3,376.96	15.79	116.19	-168.20	-822.91	-4,420.45	4,927.07	4,795.58	131.49	37.471		
3,500.00	3,465.78	3,475.78	3,475.78	16.25	119.64	-168.23	-822.91	-4,420.45	4,942.05	4,806.67	135.38	36.505		
3,600.00	3,564.61	3,574.61	3,574.61	16.72	123.09	-168.27	-822.91	-4,420.45	4,957.04	4,817.77	139.27	35.593		
3,700.00	3,663.43	3,673.43	3,673.43	17.18	126.54	-168.30	-822.91	-4,420.45	4,972.03	4,828.86	143.16	34.730		
3,800.00	3,762.25	3,772.25	3,772.25	17.64	129.99	-168.34	-822.91	-4,420.45	4,987.01	4,839.96	147.06	33.912		
3,900.00	3,861.07	3,871.07	3,871.07	18.10	133.43	-168.38	-822.91	-4,420.45	5,002.01	4,851.06	150.95	33.137		
4,000.00	3,959.90	3,969.90	3,969.90	18.57	136.88	-168.41	-822.91	-4,420.45	5,017.00	4,862.16	154.84	32.401		
4,100.00	4,058.72	4,068.72	4,068.72	19.03	140.33	-168.45	-822.91	-4,420.45	5,031.99	4,873.26	158.74	31.700		
4,200.00	4,157.54	4,167.54	4,167.54	19.50	143.78	-168.48	-822.91	-4,420.45	5,046.99	4,884.36	162.63	31.033		
4,300.00	4,256.37	4,266.37	4,266.37	19.96	147.23	-168.51	-822.91	-4,420.45	5,061.99	4,895.46	166.53	30.398		
4,400.00	4,355.19	4,365.19	4,365.19	20.43	150.68	-168.55	-822.91	-4,420.45	5,076.99	4,906.57	170.42	29.791		
4,500.00	4,454.01	4,464.01	4,464.01	20.89	154.13	-168.58	-822.91	-4,420.45	5,091.99	4,917.67	174.32	29.211		
4,600.00	4,552.83	4,562.83	4,562.83	21.36	157.58	-168.62	-822.91	-4,420.45	5,106.99	4,928.78	178.21	28.657		
4,700.00	4,651.66	4,661.66	4,661.66	21.82	161.03	-168.65	-822.91	-4,420.45	5,122.00	4,939.89	182.11	28.126		
4,800.00	4,750.48	4,760.48	4,760.48	22.29	164.48	-168.68	-822.91	-4,420.45	5,137.01	4,951.00	186.00	27.618		
4,900.00	4,849.30	4,859.30	4,859.30	22.76	167.93	-168.72	-822.91	-4,420.45	5,152.01	4,962.11	189.90	27.130		
5,000.00	4,948.13	4,958.13	4,958.13	23.22	171.37	-168.75	-822.91	-4,420.45	5,167.03	4,973.23	193.80	26.662		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,056.95	5,056.95	23.69	174.82	-168.78	-822.91	-4,420.45	5,182.04	4,984.34	197.70	26.212		
5,200.00	5,145.77	5,155.77	5,155.77	24.16	178.27	-168.82	-822.91	-4,420.45	5,197.05	4,995.46	201.59	25.780		
5,300.00	5,244.59	5,254.59	5,254.59	24.62	181.72	-168.85	-822.91	-4,420.45	5,212.07	5,006.58	205.49	25.364		
5,400.00	5,343.42	5,353.42	5,353.42	25.09	185.17	-168.88	-822.91	-4,420.45	5,227.08	5,017.70	209.39	24.964		
5,500.00	5,442.24	5,452.24	5,452.24	25.56	188.62	-168.91	-822.91	-4,420.45	5,242.10	5,028.82	213.29	24.578		
5,600.00	5,541.06	5,551.06	5,551.06	26.03	192.07	-168.95	-822.91	-4,420.45	5,257.12	5,039.94	217.18	24.206		
5,700.00	5,639.89	5,649.89	5,649.89	26.50	195.52	-168.98	-822.91	-4,420.45	5,272.15	5,051.06	221.08	23.847		
5,800.00	5,738.71	5,748.71	5,748.71	26.96	198.97	-169.01	-822.91	-4,420.45	5,287.17	5,062.19	224.98	23.501		
5,900.00	5,837.53	5,847.53	5,847.53	27.43	202.42	-169.04	-822.91	-4,420.45	5,302.19	5,073.31	228.88	23.166		
6,000.00	5,936.35	5,946.35	5,946.35	27.90	205.87	-169.07	-822.91	-4,420.45	5,317.22	5,084.44	232.78	22.842		
6,100.00	6,035.18	6,045.18	6,045.18	28.37	209.32	-169.10	-822.91	-4,420.45	5,332.25	5,095.57	236.68	22.530		
6,200.00	6,134.00	6,144.00	6,144.00	28.84	212.77	-169.13	-822.91	-4,420.45	5,347.28	5,106.70	240.58	22.227		
6,300.00	6,232.82	6,242.82	6,242.82	29.31	216.22	-169.17	-822.91	-4,420.45	5,362.31	5,117.83	244.48	21.934		
6,400.00	6,331.64	6,341.64	6,341.64	29.77	219.67	-169.20	-822.91	-4,420.45	5,377.34	5,128.97	248.38	21.650		
6,477.15	6,407.89	6,417.89	6,417.89	30.14	222.33	-169.22	-822.91	-4,420.45	5,388.94	5,137.56	251.38	21.437		
6,500.00	6,430.52	6,440.52	6,440.52	30.24	223.12	-162.94	-822.91	-4,420.45	5,391.98	5,139.70	252.28	21.373		
6,550.00	6,480.31	6,509.69	6,490.31	30.46	225.53	-127.54	-822.91	-4,420.45	5,395.83	5,140.92	254.91	21.168		
6,600.00	6,530.22	6,540.22	6,540.22	30.66	226.60	-59.25	-822.91	-4,420.45	5,395.83	5,139.66	256.17	21.063		
6,650.00	6,579.93	6,589.93	6,589.93	30.85	228.33	-34.66	-822.91	-4,420.45	5,391.98	5,133.89	258.09	20.892		
6,700.00	6,629.13	6,639.13	6,639.13	31.04	230.05	-26.42	-822.91	-4,420.45	5,384.30	5,124.32	259.98	20.711		
6,750.00	6,677.53	6,687.53	6,687.53	31.23	231.74	-22.66	-822.91	-4,420.45	5,372.84	5,111.02	261.82	20.521		
6,800.00	6,724.83	6,734.83	6,734.83	31.43	233.39	-20.69	-822.91	-4,420.45	5,357.68	5,094.07	263.61	20.324		
6,850.00	6,770.73	6,780.73	6,780.73	31.63	234.99	-19.64	-822.91	-4,420.45	5,338.92	5,073.58	265.34	20.121		
6,900.00	6,814.95	6,824.95	6,824.95	31.84	236.54	-19.16	-822.91	-4,420.45	5,316.66	5,049.66	267.00	19.913		
6,950.00	6,857.22	6,867.22	6,867.22	32.06	238.01	-19.10	-822.91	-4,420.45	5,291.05	5,022.48	268.57	19.701		
7,000.00	6,897.28	6,907.28	6,907.28	32.29	239.41	-19.39	-822.91	-4,420.45	5,262.25	4,992.20	270.05	19.486		
7,050.00	6,934.88	6,944.88	6,944.88	32.54	240.72	-20.02	-822.91	-4,420.45	5,230.44	4,959.00	271.44	19.269		
7,100.00	6,969.79	6,979.79	6,979.79	32.81	241.94	-21.00	-822.91	-4,420.45	5,195.82	4,923.10	272.72	19.052		
7,150.00	7,001.79	7,011.79	7,011.79	33.11	243.06	-22.38	-822.91	-4,420.45	5,158.60	4,884.72	273.88	18.835		
7,200.00	7,030.69	7,040.69	7,040.69	33.44	244.07	-24.26	-822.91	-4,420.45	5,119.01	4,844.08	274.93	18.619		
7,250.00	7,056.31	7,066.31	7,066.31	33.81	244.96	-26.80	-822.91	-4,420.45	5,077.31	4,801.45	275.86	18.405		
7,300.00	7,078.48	7,088.48	7,088.48	34.21	245.74	-30.25	-822.91	-4,420.45	5,033.75	4,757.08	276.67	18.194		
7,350.00	7,097.08	7,107.08	7,107.08	34.65	246.39	-35.00	-822.91	-4,420.45	4,988.60	4,711.25	277.34	17.987		
7,400.00	7,112.00	7,122.00	7,122.00	35.12	246.91	-41.68	-822.91	-4,420.45	4,942.13	4,664.24	277.89	17.784		
7,450.00	7,123.12	7,133.12	7,133.12	35.64	247.29	-51.24	-822.91	-4,420.45	4,894.65	4,616.34	278.31	17.587		
7,500.00	7,130.40	7,140.40	7,140.40	36.19	247.55	-64.84	-822.91	-4,420.45	4,846.43	4,567.84	278.60	17.396		
7,550.00	7,133.78	7,143.78	7,143.78	36.77	247.67	-82.79	-822.91	-4,420.45	4,797.79	4,519.04	278.75	17.212		
7,574.97	7,134.00	7,144.00	7,144.00	37.06	247.67	-92.74	-822.91	-4,420.45	4,773.42	4,494.64	278.78	17.123		
7,600.00	7,133.73	7,143.73	7,143.73	37.37	247.66	-92.72	-822.91	-4,420.45	4,749.00	4,470.21	278.79	17.034		
7,700.00	7,132.66	7,142.66	7,142.66	38.71	247.63	-92.67	-822.91	-4,420.45	4,651.50	4,372.64	278.86	16.680		
7,800.00	7,131.59	7,141.59	7,141.59	40.20	247.59	-92.61	-822.91	-4,420.45	4,554.10	4,275.15	278.95	16.326		
7,900.00	7,130.52	7,140.52	7,140.52	41.84	247.55	-92.55	-822.91	-4,420.45	4,456.82	4,177.76	279.06	15.971		
8,000.00	7,129.45	7,139.45	7,139.45	43.60	247.51	-92.49	-822.91	-4,420.45	4,359.66	4,080.46	279.20	15.615		
8,100.00	7,128.38	7,138.38	7,138.38	45.47	247.48	-92.43	-822.91	-4,420.45	4,262.63	3,983.26	279.37	15.258		
8,200.00	7,127.31	7,137.31	7,137.31	47.44	247.44	-92.37	-822.91	-4,420.45	4,165.74	3,886.17	279.57	14.900		
8,300.00	7,126.24	7,136.24	7,136.24	49.49	247.40	-92.31	-822.91	-4,420.45	4,069.00	3,789.19	279.81	14.542		
8,400.00	7,125.17	7,135.17	7,135.17	51.61	247.37	-92.25	-822.91	-4,420.45	3,972.42	3,692.33	280.09	14.183		
8,500.00	7,124.10	7,134.10	7,134.10	53.81	247.33	-92.20	-822.91	-4,420.45	3,876.02	3,595.61	280.41	13.823		
8,600.00	7,123.03	7,133.03	7,133.03	56.06	247.29	-92.14	-822.91	-4,420.45	3,779.80	3,499.02	280.78	13.462		
8,700.00	7,121.96	7,131.96	7,131.96	58.36	247.25	-92.08	-822.91	-4,420.45	3,683.78	3,402.58	281.20	13.100		
8,800.00	7,120.89	7,130.89	7,130.89	60.71	247.22	-92.02	-822.91	-4,420.45	3,587.99	3,306.30	281.68	12.738		
8,900.00	7,119.82	7,129.82	7,129.82	63.10	247.18	-91.96	-822.91	-4,420.45	3,492.42	3,210.19	282.23	12.374		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	7,128.75	7,128.75	65.53	247.14	-91.90	-822.91	-4,420.45	3,397.11	3,114.27	282.84	12.011		
9,100.00	7,117.68	7,127.68	7,127.68	67.98	247.10	-91.84	-822.91	-4,420.45	3,302.08	3,018.55	283.53	11.646		
9,200.00	7,116.61	7,126.61	7,126.61	70.47	247.07	-91.78	-822.91	-4,420.45	3,207.35	2,923.05	284.30	11.281		
9,300.00	7,115.54	7,125.54	7,125.54	72.98	247.03	-91.73	-822.91	-4,420.45	3,112.95	2,827.78	285.17	10.916		
9,400.00	7,114.47	7,124.47	7,124.47	75.52	246.99	-91.67	-822.91	-4,420.45	3,018.91	2,732.78	286.13	10.551		
9,500.00	7,113.40	7,123.40	7,123.40	78.08	246.95	-91.61	-822.91	-4,420.45	2,925.27	2,638.06	287.21	10.185		
9,600.00	7,112.33	7,122.33	7,122.33	80.65	246.92	-91.55	-822.91	-4,420.45	2,832.05	2,543.65	288.40	9.820		
9,700.00	7,111.26	7,121.26	7,121.26	83.25	246.88	-91.49	-822.91	-4,420.45	2,739.32	2,449.59	289.73	9.455		
9,800.00	7,110.19	7,120.19	7,120.19	85.86	246.84	-91.43	-822.91	-4,420.45	2,647.12	2,355.92	291.20	9.090		
9,900.00	7,109.12	7,119.12	7,119.12	88.48	246.81	-91.37	-822.91	-4,420.45	2,555.50	2,262.67	292.83	8.727		
10,000.00	7,108.04	7,118.04	7,118.04	91.12	246.77	-91.31	-822.91	-4,420.45	2,464.53	2,169.90	294.63	8.365		
10,100.00	7,106.97	7,116.97	7,116.97	93.77	246.73	-91.26	-822.91	-4,420.45	2,374.29	2,077.68	296.62	8.005		
10,200.00	7,105.90	7,115.90	7,115.90	96.43	246.69	-91.20	-822.91	-4,420.45	2,284.86	1,986.05	298.81	7.647		
10,300.00	7,104.83	7,114.83	7,114.83	99.10	246.66	-91.14	-822.91	-4,420.45	2,196.35	1,895.12	301.23	7.291		
10,400.00	7,103.76	7,113.76	7,113.76	101.78	246.62	-91.08	-822.91	-4,420.45	2,108.86	1,804.96	303.89	6.939		
10,500.00	7,102.69	7,112.69	7,112.69	104.47	246.58	-91.02	-822.91	-4,420.45	2,022.53	1,715.70	306.83	6.592		
10,600.00	7,101.62	7,111.62	7,111.62	107.16	246.54	-90.96	-822.91	-4,420.45	1,937.51	1,627.46	310.05	6.249		
10,700.00	7,100.55	7,110.55	7,110.55	109.87	246.51	-90.90	-822.91	-4,420.45	1,853.99	1,540.39	313.59	5.912		
10,800.00	7,099.48	7,109.48	7,109.48	112.58	246.47	-90.84	-822.91	-4,420.45	1,772.17	1,454.70	317.48	5.582		
10,900.00	7,098.41	7,108.41	7,108.41	115.29	246.43	-90.78	-822.91	-4,420.45	1,692.31	1,370.59	321.73	5.260		
11,000.00	7,097.34	7,107.34	7,107.34	118.02	246.39	-90.73	-822.91	-4,420.45	1,614.69	1,288.33	326.36	4.948		
11,100.00	7,096.27	7,106.27	7,106.27	120.74	246.36	-90.67	-822.91	-4,420.45	1,539.66	1,208.26	331.40	4.646		
11,200.00	7,095.20	7,105.20	7,105.20	123.48	246.32	-90.61	-822.91	-4,420.45	1,467.61	1,130.75	336.86	4.357		
11,300.00	7,094.13	7,104.13	7,104.13	126.22	246.28	-90.55	-822.91	-4,420.45	1,399.00	1,056.28	342.72	4.082		
11,400.00	7,093.06	7,103.06	7,103.06	128.96	246.24	-90.49	-822.91	-4,420.45	1,334.35	985.40	348.95	3.824		
11,500.00	7,091.99	7,101.99	7,101.99	131.71	246.21	-90.43	-822.91	-4,420.45	1,274.29	918.77	355.52	3.584		
11,600.00	7,090.92	7,100.92	7,100.92	134.46	246.17	-90.37	-822.91	-4,420.45	1,219.48	857.17	362.30	3.366		
11,700.00	7,089.85	7,100.15	7,099.85	137.21	246.14	-90.31	-822.91	-4,420.45	1,170.65	801.46	369.19	3.171		
11,800.00	7,088.78	7,101.22	7,098.78	139.97	246.18	-90.26	-822.91	-4,420.45	1,128.60	752.56	376.04	3.001		
11,900.00	7,087.71	7,102.29	7,097.71	142.73	246.22	-90.20	-822.91	-4,420.45	1,094.09	711.55	382.54	2.860		
12,000.00	7,086.64	7,103.36	7,096.64	145.50	246.26	-90.14	-822.91	-4,420.45	1,067.86	679.43	388.43	2.749		
12,100.00	7,085.57	7,104.43	7,095.57	148.26	246.29	-90.08	-822.91	-4,420.45	1,050.54	657.11	393.42	2.670		
12,200.00	7,084.50	7,105.50	7,094.50	151.03	246.33	-90.02	-822.91	-4,420.45	1,042.55	645.26	397.29	2.624		
12,233.54	7,084.14	7,105.86	7,094.14	151.96	246.34	-90.00	-822.91	-4,420.45	1,042.01	643.71	398.31	2.616 CC, ES		
12,300.00	7,083.43	7,106.57	7,093.43	153.81	246.37	-89.96	-822.91	-4,420.45	1,044.13	644.26	399.87	2.611 SF		
12,400.00	7,082.36	7,107.64	7,092.36	156.58	246.40	-89.90	-822.91	-4,420.45	1,055.22	654.13	401.09	2.631		
12,500.00	7,081.29	7,108.71	7,091.29	159.36	246.44	-89.84	-822.91	-4,420.45	1,075.54	674.53	401.01	2.682		
12,600.00	7,080.22	7,109.78	7,090.22	162.14	246.48	-89.78	-822.91	-4,420.45	1,104.57	704.80	399.77	2.763		
12,700.00	7,079.15	7,089.15	7,089.15	164.92	245.76	-89.73	-822.91	-4,420.45	1,141.65	744.83	396.82	2.877		
12,800.00	7,078.08	7,088.08	7,088.08	167.71	245.72	-89.67	-822.91	-4,420.45	1,186.02	792.20	393.82	3.012		
12,900.00	7,077.01	7,087.01	7,087.01	170.49	245.68	-89.61	-822.91	-4,420.45	1,236.90	846.58	390.31	3.169		
13,000.00	7,075.93	7,085.93	7,085.93	173.28	245.65	-89.55	-822.91	-4,420.45	1,293.52	907.02	386.49	3.347		
13,100.00	7,074.86	7,084.86	7,084.86	176.07	245.61	-89.49	-822.91	-4,420.45	1,355.16	972.64	382.52	3.543		
13,200.00	7,073.79	7,083.79	7,083.79	178.86	245.57	-89.43	-822.91	-4,420.45	1,421.17	1,042.67	378.51	3.755		
13,300.00	7,072.72	7,082.72	7,082.72	181.65	245.53	-89.37	-822.91	-4,420.45	1,490.97	1,116.42	374.55	3.981		
13,400.00	7,071.65	7,081.65	7,081.65	184.45	245.50	-89.31	-822.91	-4,420.45	1,564.05	1,193.34	370.71	4.219		
13,500.00	7,070.58	7,080.58	7,080.58	187.25	245.46	-89.25	-822.91	-4,420.45	1,639.98	1,272.96	367.02	4.468		
13,600.00	7,069.51	7,079.51	7,079.51	190.04	245.42	-89.20	-822.91	-4,420.45	1,718.37	1,354.85	363.52	4.727		
13,700.00	7,068.44	7,078.44	7,078.44	192.84	245.39	-89.14	-822.91	-4,420.45	1,798.90	1,438.71	360.19	4.994		
13,800.00	7,067.37	7,077.37	7,077.37	195.64	245.35	-89.08	-822.91	-4,420.45	1,881.31	1,524.24	357.06	5.269		
13,900.00	7,066.30	7,076.30	7,076.30	198.44	245.31	-89.02	-822.91	-4,420.45	1,965.34	1,611.22	354.12	5.550		
14,000.00	7,065.23	7,075.23	7,075.23	201.24	245.27	-88.96	-822.91	-4,420.45	2,050.81	1,699.45	351.36	5.837		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	7,074.16	7,074.16	204.05	245.24	-88.90	-822.91	-4,420.45	2,137.54	1,788.76	348.77	6.129		
14,200.00	7,063.09	7,073.09	7,073.09	206.85	245.20	-88.84	-822.91	-4,420.45	2,225.38	1,879.03	346.35	6.425		
14,300.00	7,062.02	7,072.02	7,072.02	209.66	245.16	-88.78	-822.91	-4,420.45	2,314.21	1,970.13	344.08	6.726		
14,400.00	7,060.95	7,070.95	7,070.95	212.46	245.12	-88.73	-822.91	-4,420.45	2,403.91	2,061.96	341.95	7.030		
14,500.00	7,059.88	7,069.88	7,069.88	215.27	245.09	-88.67	-822.91	-4,420.45	2,494.40	2,154.44	339.96	7.337		
14,600.00	7,058.81	7,068.81	7,068.81	218.08	245.05	-88.61	-822.91	-4,420.45	2,585.59	2,247.50	338.09	7.648		
14,700.00	7,057.74	7,067.74	7,067.74	220.89	245.01	-88.55	-822.91	-4,420.45	2,677.41	2,341.08	336.33	7.961		
14,800.00	7,056.67	7,066.67	7,066.67	223.70	244.97	-88.49	-822.91	-4,420.45	2,769.79	2,435.11	334.68	8.276		
14,900.00	7,055.60	7,065.60	7,065.60	226.51	244.94	-88.43	-822.91	-4,420.45	2,862.69	2,529.56	333.13	8.593		
15,000.00	7,054.53	7,064.53	7,064.53	229.32	244.90	-88.37	-822.91	-4,420.45	2,956.05	2,624.37	331.67	8.913		
15,100.00	7,053.46	7,063.46	7,063.46	232.14	244.86	-88.31	-822.91	-4,420.45	3,049.83	2,719.53	330.30	9.234		
15,200.00	7,052.39	7,062.39	7,062.39	234.95	244.82	-88.25	-822.91	-4,420.45	3,143.99	2,814.99	329.00	9.556		
15,300.00	7,051.32	7,061.32	7,061.32	237.76	244.79	-88.20	-822.91	-4,420.45	3,238.50	2,910.72	327.78	9.880		
15,400.00	7,050.25	7,060.25	7,060.25	240.58	244.75	-88.14	-822.91	-4,420.45	3,333.33	3,006.71	326.62	10.205		
15,500.00	7,049.18	7,059.18	7,059.18	243.39	244.71	-88.08	-822.91	-4,420.45	3,428.46	3,102.93	325.53	10.532		
15,600.00	7,048.11	7,058.11	7,058.11	246.21	244.68	-88.02	-822.91	-4,420.45	3,523.85	3,199.36	324.49	10.860		
15,703.32	7,047.00	7,057.00	7,057.00	249.12	244.64	-87.96	-822.91	-4,420.45	3,622.68	3,299.20	323.48	11.199		
15,703.90	7,046.99	7,056.99	7,056.99	249.13	244.64	-87.96	-822.91	-4,420.45	3,623.24	3,299.76	323.48	11.201		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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)					
0.00	0.00	0.00	0.00	3.28	0.00	-85.24	353.75	-4,250.43	4,265.26							
100.00	100.00	66.00	66.00	3.28	1.15	-85.24	353.75	-4,250.43	4,265.13	4,260.69	4.44	961.306				
200.00	200.00	166.00	166.00	3.34	4.05	-85.24	353.75	-4,250.43	4,265.13	4,257.74	7.39	577.415				
300.00	300.00	266.00	266.00	3.44	7.54	-85.24	353.75	-4,250.43	4,265.13	4,254.14	10.99	388.252				
400.00	399.98	365.98	365.98	3.60	11.03	-151.89	353.75	-4,250.43	4,266.67	4,252.04	14.63	291.595				
500.00	499.84	465.84	465.84	3.80	14.52	-151.88	353.75	-4,250.43	4,271.29	4,252.97	18.32	233.162				
600.00	599.45	565.45	565.45	4.05	17.99	-151.86	353.75	-4,250.43	4,278.98	4,256.94	22.04	194.172				
700.00	698.70	664.70	664.70	4.32	21.46	-151.84	353.75	-4,250.43	4,289.74	4,263.96	25.78	166.421				
740.00	738.27	704.27	704.27	4.45	22.84	-151.82	353.75	-4,250.43	4,294.90	4,267.63	27.28	157.448				
800.00	797.57	763.57	763.57	4.63	24.91	-151.88	353.75	-4,250.43	4,303.02	4,273.49	29.53	145.714				
900.00	896.39	862.39	862.39	4.96	28.36	-151.98	353.75	-4,250.43	4,316.55	4,283.25	33.30	129.623				
1,000.00	995.21	961.21	961.21	5.32	31.81	-152.07	353.75	-4,250.43	4,330.10	4,293.01	37.09	116.743				
1,100.00	1,094.03	1,060.03	1,060.03	5.69	35.26	-152.17	353.75	-4,250.43	4,343.66	4,302.76	40.90	106.210				
1,200.00	1,192.86	1,158.86	1,158.86	6.07	38.71	-152.26	353.75	-4,250.43	4,357.23	4,312.51	44.72	97.442				
1,300.00	1,291.68	1,257.68	1,257.68	6.47	42.16	-152.35	353.75	-4,250.43	4,370.81	4,322.26	48.55	90.033				
1,400.00	1,390.50	1,356.50	1,356.50	6.88	45.61	-152.44	353.75	-4,250.43	4,384.40	4,332.01	52.39	83.694				
1,500.00	1,489.33	1,455.33	1,455.33	7.29	49.06	-152.54	353.75	-4,250.43	4,398.00	4,341.77	56.23	78.210				
1,600.00	1,588.15	1,554.15	1,554.15	7.71	52.51	-152.63	353.75	-4,250.43	4,411.61	4,351.53	60.09	73.421				
1,700.00	1,686.97	1,652.97	1,652.97	8.14	55.96	-152.72	353.75	-4,250.43	4,425.24	4,361.29	63.95	69.203				
1,800.00	1,785.79	1,751.79	1,751.79	8.57	59.41	-152.81	353.75	-4,250.43	4,438.87	4,371.07	67.81	65.462				
1,900.00	1,884.62	1,850.62	1,850.62	9.01	62.86	-152.90	353.75	-4,250.43	4,452.52	4,380.85	71.68	62.120				
2,000.00	1,983.44	1,949.44	1,949.44	9.45	66.31	-152.99	353.75	-4,250.43	4,466.18	4,390.63	75.55	59.118				
2,100.00	2,082.26	2,048.26	2,048.26	9.89	69.76	-153.08	353.75	-4,250.43	4,479.85	4,400.43	79.42	56.406				
2,200.00	2,181.09	2,147.09	2,147.09	10.33	73.21	-153.16	353.75	-4,250.43	4,493.53	4,410.23	83.30	53.945				
2,300.00	2,279.91	2,245.91	2,245.91	10.78	76.66	-153.25	353.75	-4,250.43	4,507.21	4,420.04	87.18	51.702				
2,400.00	2,378.73	2,344.73	2,344.73	11.23	80.11	-153.34	353.75	-4,250.43	4,520.91	4,429.86	91.06	49.649				
2,500.00	2,477.55	2,443.55	2,443.55	11.68	83.56	-153.43	353.75	-4,250.43	4,534.62	4,439.68	94.94	47.763				
2,600.00	2,576.38	2,542.38	2,542.38	12.13	87.01	-153.51	353.75	-4,250.43	4,548.34	4,449.52	98.82	46.025				
2,700.00	2,675.20	2,641.20	2,641.20	12.59	90.46	-153.60	353.75	-4,250.43	4,562.07	4,459.36	102.71	44.417				
2,800.00	2,774.02	2,740.02	2,740.02	13.04	93.91	-153.68	353.75	-4,250.43	4,575.81	4,469.22	106.60	42.927				
2,900.00	2,872.85	2,838.85	2,838.85	13.50	97.36	-153.77	353.75	-4,250.43	4,589.56	4,479.08	110.48	41.541				
3,000.00	2,971.67	2,937.67	2,937.67	13.96	100.81	-153.85	353.75	-4,250.43	4,603.32	4,488.95	114.37	40.248				
3,100.00	3,070.49	3,036.49	3,036.49	14.41	104.26	-153.93	353.75	-4,250.43	4,617.09	4,498.83	118.26	39.041				
3,200.00	3,169.31	3,135.31	3,135.31	14.87	107.71	-154.02	353.75	-4,250.43	4,630.87	4,508.71	122.15	37.910				
3,300.00	3,268.14	3,234.14	3,234.14	15.33	111.16	-154.10	353.75	-4,250.43	4,644.66	4,518.61	126.04	36.849				
3,400.00	3,366.96	3,332.96	3,332.96	15.79	114.61	-154.18	353.75	-4,250.43	4,658.45	4,528.52	129.94	35.852				
3,500.00	3,465.78	3,431.78	3,431.78	16.25	118.06	-154.26	353.75	-4,250.43	4,672.26	4,538.43	133.83	34.912				
3,600.00	3,564.61	3,530.61	3,530.61	16.72	121.51	-154.34	353.75	-4,250.43	4,686.08	4,548.35	137.72	34.025				
3,700.00	3,663.43	3,629.43	3,629.43	17.18	124.96	-154.42	353.75	-4,250.43	4,699.90	4,558.28	141.62	33.187				
3,800.00	3,762.25	3,728.25	3,728.25	17.64	128.41	-154.50	353.75	-4,250.43	4,713.74	4,568.22	145.51	32.394				
3,900.00	3,861.07	3,827.07	3,827.07	18.10	131.86	-154.58	353.75	-4,250.43	4,727.58	4,578.17	149.41	31.642				
4,000.00	3,959.90	3,925.90	3,925.90	18.57	135.31	-154.66	353.75	-4,250.43	4,741.43	4,588.13	153.30	30.929				
4,100.00	4,058.72	4,024.72	4,024.72	19.03	138.76	-154.74	353.75	-4,250.43	4,755.29	4,598.10	157.20	30.250				
4,200.00	4,157.54	4,123.54	4,123.54	19.50	142.21	-154.82	353.75	-4,250.43	4,769.16	4,608.07	161.09	29.605				
4,300.00	4,256.37	4,222.37	4,222.37	19.96	145.66	-154.90	353.75	-4,250.43	4,783.04	4,618.05	164.99	28.990				
4,400.00	4,355.19	4,321.19	4,321.19	20.43	149.11	-154.98	353.75	-4,250.43	4,796.93	4,628.04	168.89	28.403				
4,500.00	4,454.01	4,420.01	4,420.01	20.89	152.56	-155.05	353.75	-4,250.43	4,810.82	4,638.04	172.78	27.843				
4,600.00	4,552.83	4,518.83	4,518.83	21.36	156.01	-155.13	353.75	-4,250.43	4,824.73	4,648.05	176.68	27.308				
4,700.00	4,651.66	4,617.66	4,617.66	21.82	159.46	-155.21	353.75	-4,250.43	4,838.64	4,658.06	180.58	26.795				
4,800.00	4,750.48	4,716.48	4,716.48	22.29	162.91	-155.28	353.75	-4,250.43	4,852.56	4,668.09	184.48	26.305				
4,900.00	4,849.30	4,815.30	4,815.30	22.76	166.36	-155.36	353.75	-4,250.43	4,866.49	4,678.12	188.37	25.834				
5,000.00	4,948.13	4,914.13	4,914.13	23.22	169.81	-155.43	353.75	-4,250.43	4,880.43	4,688.16	192.27	25.383				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	5,046.95	5,012.95	5,012.95	23.69	173.26	-155.51	353.75	-4,250.43	4,894.38	4,698.21	196.17	24.950				
5,200.00	5,145.77	5,111.77	5,111.77	24.16	176.71	-155.58	353.75	-4,250.43	4,908.33	4,708.26	200.07	24.533				
5,300.00	5,244.59	5,210.59	5,210.59	24.62	180.16	-155.65	353.75	-4,250.43	4,922.29	4,718.32	203.97	24.133				
5,400.00	5,343.42	5,309.42	5,309.42	25.09	183.61	-155.73	353.75	-4,250.43	4,936.26	4,728.39	207.87	23.747				
5,500.00	5,442.24	5,408.24	5,408.24	25.56	187.06	-155.80	353.75	-4,250.43	4,950.24	4,738.47	211.77	23.376				
5,600.00	5,541.06	5,507.06	5,507.06	26.03	190.51	-155.87	353.75	-4,250.43	4,964.22	4,748.56	215.66	23.018				
5,700.00	5,639.89	5,605.89	5,605.89	26.50	193.96	-155.94	353.75	-4,250.43	4,978.22	4,758.65	219.56	22.673				
5,800.00	5,738.71	5,704.71	5,704.71	26.96	197.41	-156.01	353.75	-4,250.43	4,992.22	4,768.75	223.46	22.340				
5,900.00	5,837.53	5,803.53	5,803.53	27.43	200.86	-156.08	353.75	-4,250.43	5,006.23	4,778.86	227.36	22.019				
6,000.00	5,936.35	5,902.35	5,902.35	27.90	204.31	-156.16	353.75	-4,250.43	5,020.24	4,788.98	231.26	21.708				
6,100.00	6,035.18	6,001.18	6,001.18	28.37	207.76	-156.23	353.75	-4,250.43	5,034.27	4,799.10	235.16	21.408				
6,200.00	6,134.00	6,100.00	6,100.00	28.84	211.21	-156.30	353.75	-4,250.43	5,048.30	4,809.23	239.06	21.117				
6,300.00	6,232.82	6,201.18	6,198.82	29.31	214.74	-156.37	353.75	-4,250.43	5,062.33	4,819.29	243.05	20.829				
6,400.00	6,331.64	6,302.36	6,297.64	29.77	218.27	-156.43	353.75	-4,250.43	5,076.38	4,829.35	247.03	20.550				
6,477.15	6,407.89	6,373.89	6,373.89	30.14	220.77	-156.49	353.75	-4,250.43	5,087.22	4,837.35	249.87	20.359				
6,500.00	6,430.52	6,403.48	6,396.52	30.24	221.80	-150.28	353.75	-4,250.43	5,090.03	4,839.02	251.01	20.278				
6,550.00	6,480.31	6,446.31	6,446.31	30.46	223.30	-114.96	353.75	-4,250.43	5,093.32	4,840.60	252.72	20.154				
6,600.00	6,530.22	6,503.78	6,496.22	30.66	225.30	-46.67	353.75	-4,250.43	5,092.69	4,837.77	254.92	19.977				
6,650.00	6,579.93	6,545.93	6,545.93	30.85	226.77	-21.99	353.75	-4,250.43	5,088.15	4,831.57	256.58	19.831				
6,700.00	6,629.13	6,604.87	6,595.13	31.04	228.83	-13.58	353.75	-4,250.43	5,079.72	4,820.91	258.80	19.628				
6,750.00	6,677.53	6,643.53	6,643.53	31.23	230.18	-9.55	353.75	-4,250.43	5,067.45	4,807.14	260.31	19.467				
6,800.00	6,724.83	6,709.17	6,690.83	31.43	232.47	-7.21	353.75	-4,250.43	5,051.42	4,788.68	262.74	19.226				
6,850.00	6,770.73	6,736.73	6,736.73	31.63	233.43	-5.67	353.75	-4,250.43	5,031.73	4,767.90	263.82	19.072				
6,900.00	6,814.95	6,780.95	6,780.95	31.84	234.98	-4.58	353.75	-4,250.43	5,008.49	4,743.02	265.48	18.866				
6,950.00	6,857.22	6,823.22	6,823.22	32.06	236.45	-3.75	353.75	-4,250.43	4,981.86	4,714.81	267.05	18.655				
7,000.00	6,897.28	6,863.28	6,863.28	32.29	237.85	-3.08	353.75	-4,250.43	4,951.99	4,683.47	268.52	18.441				
7,050.00	6,934.88	6,900.88	6,900.88	32.54	239.16	-2.51	353.75	-4,250.43	4,919.07	4,649.17	269.90	18.225				
7,100.00	6,969.79	6,935.79	6,935.79	32.81	240.38	-2.00	353.75	-4,250.43	4,883.31	4,612.14	271.17	18.008				
7,150.00	7,001.79	6,967.79	6,967.79	33.11	241.50	-1.51	353.75	-4,250.43	4,844.92	4,572.58	272.33	17.790				
7,200.00	7,030.69	7,003.31	6,996.69	33.44	242.74	-0.99	353.75	-4,250.43	4,804.13	4,530.53	273.60	17.559				
7,250.00	7,056.31	7,022.31	7,022.31	33.81	243.40	-0.42	353.75	-4,250.43	4,761.21	4,486.93	274.28	17.359				
7,300.00	7,078.48	7,044.48	7,044.48	34.21	244.18	0.28	353.75	-4,250.43	4,716.41	4,441.34	275.07	17.146				
7,350.00	7,097.08	7,063.08	7,063.08	34.65	244.83	1.23	353.75	-4,250.43	4,670.01	4,394.29	275.72	16.937				
7,400.00	7,112.00	7,078.00	7,078.00	35.12	245.35	2.67	353.75	-4,250.43	4,622.31	4,346.06	276.25	16.733				
7,450.00	7,123.12	7,089.12	7,089.12	35.64	245.74	5.26	353.75	-4,250.43	4,573.58	4,296.95	276.63	16.533				
7,500.00	7,130.40	7,103.60	7,096.40	36.19	246.24	11.50	353.75	-4,250.43	4,524.13	4,247.00	277.13	16.325				
7,550.00	7,133.78	7,100.22	7,099.78	36.77	246.12	42.87	353.75	-4,250.43	4,474.27	4,197.26	277.02	16.152				
7,574.97	7,134.00	7,100.00	7,100.00	37.06	246.12	110.40	353.75	-4,250.43	4,449.31	4,172.31	277.01	16.062				
7,600.00	7,133.73	7,100.27	7,099.73	37.37	246.13	110.29	353.75	-4,250.43	4,424.30	4,147.28	277.02	15.971				
7,700.00	7,132.66	7,101.34	7,098.66	38.71	246.16	109.87	353.75	-4,250.43	4,324.35	4,047.28	277.06	15.608				
7,800.00	7,131.59	7,102.41	7,097.59	40.20	246.20	109.44	353.75	-4,250.43	4,224.40	3,947.29	277.11	15.245				
7,900.00	7,130.52	7,103.48	7,096.52	41.84	246.24	109.02	353.75	-4,250.43	4,124.45	3,847.30	277.15	14.882				
8,000.00	7,129.45	7,104.55	7,095.45	43.60	246.27	108.59	353.75	-4,250.43	4,024.50	3,747.31	277.20	14.518				
8,100.00	7,128.38	7,105.62	7,094.38	45.47	246.31	108.16	353.75	-4,250.43	3,924.56	3,647.31	277.25	14.155				
8,200.00	7,127.31	7,106.69	7,093.31	47.44	246.35	107.72	353.75	-4,250.43	3,824.62	3,547.32	277.30	13.792				
8,300.00	7,126.24	7,107.76	7,092.24	49.49	246.39	107.29	353.75	-4,250.43	3,724.69	3,447.33	277.35	13.429				
8,400.00	7,125.17	7,108.83	7,091.17	51.61	246.42	106.85	353.75	-4,250.43	3,624.75	3,347.35	277.41	13.067				
8,500.00	7,124.10	7,109.90	7,090.10	53.81	246.46	106.41	353.75	-4,250.43	3,524.82	3,247.36	277.46	12.704				
8,600.00	7,123.03	7,089.03	7,089.03	56.06	245.73	105.97	353.75	-4,250.43	3,424.90	3,148.14	276.76	12.375				
8,700.00	7,121.96	7,087.96	7,087.96	58.36	245.70	105.52	353.75	-4,250.43	3,324.97	3,048.23	276.74	12.015				
8,800.00	7,120.89	7,086.89	7,086.89	60.71	245.66	105.08	353.75	-4,250.43	3,225.06	2,948.32	276.73	11.654				
8,900.00	7,119.82	7,085.82	7,085.82	63.10	245.62	104.63	353.75	-4,250.43	3,125.14	2,848.42	276.73	11.293				

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,118.75	7,084.75	7,084.75	65.53	245.58	104.18	353.75	-4,250.43	3,025.24	2,748.51	276.72	10.932		
9,100.00	7,117.68	7,083.68	7,083.68	67.98	245.55	103.73	353.75	-4,250.43	2,925.33	2,648.61	276.72	10.571		
9,200.00	7,116.61	7,082.61	7,082.61	70.47	245.51	103.28	353.75	-4,250.43	2,825.44	2,548.72	276.72	10.210		
9,300.00	7,115.54	7,081.54	7,081.54	72.98	245.47	102.82	353.75	-4,250.43	2,725.55	2,448.82	276.73	9.849		
9,400.00	7,114.47	7,080.47	7,080.47	75.52	245.43	102.37	353.75	-4,250.43	2,625.67	2,348.93	276.74	9.488		
9,500.00	7,113.40	7,079.40	7,079.40	78.08	245.40	101.91	353.75	-4,250.43	2,525.80	2,249.04	276.76	9.126		
9,600.00	7,112.33	7,078.33	7,078.33	80.65	245.36	101.45	353.75	-4,250.43	2,425.94	2,149.16	276.78	8.765		
9,700.00	7,111.26	7,077.26	7,077.26	83.25	245.32	100.99	353.75	-4,250.43	2,326.09	2,049.28	276.81	8.403		
9,800.00	7,110.19	7,076.19	7,076.19	85.86	245.28	100.53	353.75	-4,250.43	2,226.26	1,949.41	276.85	8.041		
9,900.00	7,109.12	7,075.12	7,075.12	88.48	245.25	100.06	353.75	-4,250.43	2,126.43	1,849.54	276.90	7.680		
10,000.00	7,108.04	7,074.04	7,074.04	91.12	245.21	99.60	353.75	-4,250.43	2,026.63	1,749.67	276.96	7.317		
10,100.00	7,106.97	7,072.97	7,072.97	93.77	245.17	99.13	353.75	-4,250.43	1,926.85	1,649.81	277.03	6.955		
10,200.00	7,105.90	7,071.90	7,071.90	96.43	245.14	98.66	353.75	-4,250.43	1,827.08	1,549.96	277.12	6.593		
10,300.00	7,104.83	7,070.83	7,070.83	99.10	245.10	98.20	353.75	-4,250.43	1,727.35	1,450.11	277.24	6.231		
10,400.00	7,103.76	7,069.76	7,069.76	101.78	245.06	97.73	353.75	-4,250.43	1,627.65	1,350.27	277.38	5.868		
10,500.00	7,102.69	7,068.69	7,068.69	104.47	245.02	97.25	353.75	-4,250.43	1,527.98	1,250.43	277.55	5.505		
10,600.00	7,101.62	7,067.62	7,067.62	107.16	244.99	96.78	353.75	-4,250.43	1,428.37	1,150.59	277.77	5.142		
10,700.00	7,100.55	7,066.55	7,066.55	109.87	244.95	96.31	353.75	-4,250.43	1,328.80	1,050.76	278.05	4.779		
10,800.00	7,099.48	7,065.48	7,065.48	112.58	244.91	95.84	353.75	-4,250.43	1,229.31	950.91	278.40	4.416		
10,900.00	7,098.41	7,064.41	7,064.41	115.29	244.87	95.36	353.75	-4,250.43	1,129.91	851.05	278.86	4.052		
11,000.00	7,097.34	7,063.34	7,063.34	118.02	244.84	94.89	353.75	-4,250.43	1,030.62	751.16	279.46	3.688		
11,100.00	7,096.27	7,062.27	7,062.27	120.74	244.80	94.41	353.75	-4,250.43	931.49	651.22	280.27	3.324		
11,200.00	7,095.20	7,061.20	7,061.20	123.48	244.76	93.93	353.75	-4,250.43	832.55	551.18	281.38	2.959		
11,300.00	7,094.13	7,060.13	7,060.13	126.22	244.72	93.46	353.75	-4,250.43	733.91	450.97	282.94	2.594		
11,400.00	7,093.06	7,059.06	7,059.06	128.96	244.69	92.98	353.75	-4,250.43	635.69	350.48	285.20	2.229		
11,500.00	7,091.99	7,057.99	7,057.99	131.71	244.65	92.50	353.75	-4,250.43	538.12	249.49	288.63	1.864		
11,600.00	7,090.92	7,056.92	7,056.92	134.46	244.61	92.02	353.75	-4,250.43	441.64	147.58	294.06	1.502		
11,700.00	7,089.85	7,055.85	7,055.85	137.21	244.57	91.55	353.75	-4,250.43	347.15	43.98	303.17	1.145 Level 2		
11,800.00	7,088.78	7,054.78	7,054.78	139.97	244.54	91.07	353.75	-4,250.43	256.86	-62.67	319.53	0.804 Level 1		
11,900.00	7,087.71	7,053.71	7,053.71	142.73	244.50	90.59	353.75	-4,250.43	177.32	-172.51	349.83	0.507 Level 1		
12,000.00	7,086.64	7,052.64	7,052.64	145.50	244.46	90.11	353.75	-4,250.43	130.02	-257.79	387.81	0.335 Level 1		
12,022.70	7,086.40	7,052.40	7,052.40	146.12	244.45	90.00	353.75	-4,250.43	128.02	-262.55	390.58	0.328 Level 1, CC, ES, SF		
12,100.00	7,085.57	7,051.57	7,051.57	148.26	244.43	89.63	353.75	-4,250.43	149.55	-222.95	372.49	0.401 Level 1		
12,200.00	7,084.50	7,050.50	7,050.50	151.03	244.39	89.15	353.75	-4,250.43	218.68	-118.00	336.68	0.650 Level 1		
12,300.00	7,083.43	7,049.43	7,049.43	153.81	244.35	88.67	353.75	-4,250.43	305.41	-9.86	315.28	0.969 Level 1		
12,400.00	7,082.36	7,048.36	7,048.36	156.58	244.31	88.19	353.75	-4,250.43	398.41	95.09	303.32	1.313 Level 3		
12,500.00	7,081.29	7,047.29	7,047.29	159.36	244.28	87.71	353.75	-4,250.43	494.15	197.96	296.18	1.668		
12,600.00	7,080.22	7,046.22	7,046.22	162.14	244.24	87.24	353.75	-4,250.43	591.29	299.67	291.63	2.028		
12,700.00	7,079.15	7,045.15	7,045.15	164.92	244.20	86.76	353.75	-4,250.43	689.26	400.70	288.56	2.389		
12,800.00	7,078.08	7,044.08	7,044.08	167.71	244.16	86.28	353.75	-4,250.43	787.73	501.34	286.39	2.751		
12,900.00	7,077.01	7,043.01	7,043.01	170.49	244.13	85.81	353.75	-4,250.43	886.54	601.72	284.82	3.113		
13,000.00	7,075.93	7,041.93	7,041.93	173.28	244.09	85.33	353.75	-4,250.43	985.60	701.96	283.64	3.475		
13,100.00	7,074.86	7,040.86	7,040.86	176.07	244.05	84.85	353.75	-4,250.43	1,084.82	802.09	282.73	3.837		
13,200.00	7,073.79	7,039.79	7,039.79	178.86	244.01	84.38	353.75	-4,250.43	1,184.17	902.15	282.02	4.199		
13,300.00	7,072.72	7,038.72	7,038.72	181.65	243.98	83.90	353.75	-4,250.43	1,283.63	1,002.17	281.45	4.561		
13,400.00	7,071.65	7,037.65	7,037.65	184.45	243.94	83.43	353.75	-4,250.43	1,383.16	1,102.16	281.00	4.922		
13,500.00	7,070.58	7,036.58	7,036.58	187.25	243.90	82.96	353.75	-4,250.43	1,482.75	1,202.13	280.63	5.284		
13,600.00	7,069.51	7,035.51	7,035.51	190.04	243.86	82.49	353.75	-4,250.43	1,582.40	1,302.08	280.32	5.645		
13,700.00	7,068.44	7,034.44	7,034.44	192.84	243.83	82.02	353.75	-4,250.43	1,682.08	1,402.02	280.06	6.006		
13,800.00	7,067.37	7,033.37	7,033.37	195.64	243.79	81.55	353.75	-4,250.43	1,781.80	1,501.95	279.85	6.367		
13,900.00	7,066.30	7,032.30	7,032.30	198.44	243.75	81.08	353.75	-4,250.43	1,881.55	1,601.88	279.67	6.728		
14,000.00	7,065.23	7,031.23	7,031.23	201.24	243.72	80.61	353.75	-4,250.43	1,981.33	1,701.81	279.52	7.088		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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)				
14,100.00	7,064.16	7,030.16	7,030.16	204.05	243.68	80.15	353.75	-4,250.43	2,081.12	1,801.73	279.40	7.449			
14,200.00	7,063.09	7,029.09	7,029.09	206.85	243.64	79.68	353.75	-4,250.43	2,180.94	1,901.65	279.29	7.809			
14,300.00	7,062.02	7,028.02	7,028.02	209.66	243.60	79.22	353.75	-4,250.43	2,280.77	2,001.57	279.20	8.169			
14,400.00	7,060.95	7,026.95	7,026.95	212.46	243.57	78.76	353.75	-4,250.43	2,380.61	2,101.49	279.12	8.529			
14,500.00	7,059.88	7,025.88	7,025.88	215.27	243.53	78.30	353.75	-4,250.43	2,480.47	2,201.40	279.06	8.889			
14,600.00	7,058.81	7,024.81	7,024.81	218.08	243.49	77.84	353.75	-4,250.43	2,580.33	2,301.32	279.01	9.248			
14,700.00	7,057.74	7,023.74	7,023.74	220.89	243.45	77.38	353.75	-4,250.43	2,680.21	2,401.24	278.97	9.608			
14,800.00	7,056.67	7,022.67	7,022.67	223.70	243.42	76.93	353.75	-4,250.43	2,780.09	2,501.16	278.93	9.967			
14,900.00	7,055.60	7,021.60	7,021.60	226.51	243.38	76.47	353.75	-4,250.43	2,879.98	2,601.08	278.91	10.326			
15,000.00	7,054.53	7,020.53	7,020.53	229.32	243.34	76.02	353.75	-4,250.43	2,979.88	2,701.00	278.89	10.685			
15,100.00	7,053.46	7,019.46	7,019.46	232.14	243.30	75.57	353.75	-4,250.43	3,079.79	2,800.92	278.87	11.044			
15,200.00	7,052.39	7,018.39	7,018.39	234.95	243.27	75.12	353.75	-4,250.43	3,179.70	2,900.84	278.86	11.402			
15,300.00	7,051.32	7,017.32	7,017.32	237.76	243.23	74.68	353.75	-4,250.43	3,279.61	3,000.75	278.86	11.761			
15,400.00	7,050.25	7,016.25	7,016.25	240.58	243.19	74.23	353.75	-4,250.43	3,379.53	3,100.67	278.86	12.119			
15,500.00	7,049.18	7,015.18	7,015.18	243.39	243.15	73.79	353.75	-4,250.43	3,479.46	3,200.59	278.86	12.477			
15,600.00	7,048.11	7,014.11	7,014.11	246.21	243.12	73.35	353.75	-4,250.43	3,579.39	3,300.51	278.87	12.835			
15,703.32	7,047.00	7,013.00	7,013.00	249.12	243.08	72.90	353.75	-4,250.43	3,682.64	3,403.75	278.88	13.205			
15,703.90	7,046.99	7,012.99	7,012.99	249.13	243.08	72.89	353.75	-4,250.43	3,683.22	3,404.33	278.89	13.207			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	71.22	835.48	2,457.40	2,595.55					
100.00	100.00	92.56	92.56	3.28	3.29	71.22	835.51	2,457.46	2,595.61	2,589.04	6.57	395.027		
200.00	200.00	194.95	194.95	3.34	3.34	71.22	835.64	2,457.52	2,595.70	2,589.03	6.68	388.854		
300.00	300.00	306.03	306.02	3.44	3.46	71.21	835.89	2,457.24	2,595.54	2,588.64	6.90	376.004		
400.00	399.98	412.86	412.86	3.60	3.63	4.56	836.16	2,456.57	2,593.29	2,586.06	7.23	358.665		
500.00	499.84	519.35	519.34	3.80	3.85	4.57	836.34	2,455.58	2,587.25	2,579.60	7.65	338.212		
600.00	599.45	614.46	614.45	4.05	4.07	4.59	836.26	2,454.79	2,577.75	2,569.63	8.12	317.501		
700.00	698.70	712.02	712.00	4.32	4.34	4.63	836.30	2,454.06	2,564.91	2,556.26	8.66	296.331		
740.00	738.27	752.80	752.79	4.45	4.45	4.65	836.38	2,453.73	2,558.81	2,549.92	8.89	287.721		
800.00	797.57	813.69	813.67	4.63	4.63	4.66	836.53	2,453.19	2,549.21	2,539.96	9.26	275.421		
900.00	896.39	913.90	913.88	4.96	4.95	4.67	836.75	2,452.26	2,533.16	2,523.27	9.89	256.216		
1,000.00	995.21	1,015.35	1,015.32	5.32	5.28	4.69	836.94	2,451.24	2,517.04	2,506.48	10.56	238.400		
1,100.00	1,094.03	1,124.01	1,123.97	5.69	5.65	4.71	837.17	2,449.83	2,500.64	2,489.36	11.28	221.613		
1,200.00	1,192.86	1,228.63	1,228.58	6.07	6.02	4.72	837.24	2,448.13	2,483.89	2,471.87	12.02	206.629		
1,300.00	1,291.68	1,325.49	1,325.42	6.47	6.38	4.74	837.36	2,446.48	2,467.09	2,454.34	12.75	193.476		
1,400.00	1,390.50	1,422.68	1,422.60	6.88	6.74	4.75	837.72	2,444.86	2,450.39	2,436.89	13.50	181.517		
1,500.00	1,489.33	1,524.97	1,524.87	7.29	7.12	4.76	837.90	2,443.08	2,433.58	2,419.30	14.28	170.423		
1,600.00	1,588.15	1,620.78	1,620.67	7.71	7.49	4.77	838.11	2,441.44	2,416.80	2,401.75	15.05	160.601		
1,700.00	1,686.97	1,722.05	1,721.92	8.14	7.88	4.78	838.30	2,439.73	2,400.02	2,384.18	15.85	151.451		
1,800.00	1,785.79	1,823.64	1,823.50	8.57	8.28	4.80	838.39	2,437.82	2,383.06	2,366.40	16.66	143.083		
1,900.00	1,884.62	1,913.52	1,913.36	9.01	8.64	4.81	838.62	2,436.24	2,366.24	2,348.82	17.43	135.765		
2,000.00	1,983.44	1,998.04	1,997.87	9.45	8.97	4.82	839.15	2,435.10	2,349.93	2,331.74	18.19	129.188		
2,100.00	2,082.26	2,092.89	2,092.72	9.89	9.35	4.82	840.06	2,434.09	2,333.99	2,315.00	18.99	122.887		
2,200.00	2,181.09	2,190.51	2,190.32	10.33	9.75	4.80	841.58	2,432.97	2,318.16	2,298.35	19.81	117.011		
2,300.00	2,279.91	2,284.23	2,284.00	10.78	10.13	4.77	843.73	2,431.78	2,302.45	2,281.83	20.62	111.655		
2,400.00	2,378.73	2,382.11	2,381.85	11.23	10.53	4.73	846.28	2,430.60	2,286.89	2,265.44	21.45	106.615		
2,500.00	2,477.55	2,466.42	2,466.11	11.68	10.87	4.69	848.90	2,429.66	2,271.60	2,249.36	22.23	102.165		
2,600.00	2,576.38	2,555.09	2,554.71	12.13	11.24	4.63	852.29	2,429.10	2,256.96	2,233.93	23.04	97.966		
2,700.00	2,675.20	2,651.53	2,651.08	12.59	11.64	4.57	856.04	2,428.70	2,242.57	2,218.70	23.87	93.939		
2,800.00	2,774.02	2,746.52	2,745.98	13.04	12.03	4.50	860.01	2,428.30	2,228.26	2,203.55	24.70	90.196		
2,900.00	2,872.85	2,830.82	2,830.20	13.50	12.38	4.43	863.65	2,428.21	2,214.31	2,188.81	25.50	86.835		
3,000.00	2,971.67	2,907.27	2,906.57	13.96	12.70	4.37	867.12	2,428.88	2,201.33	2,175.06	26.27	83.805		
3,100.00	3,070.49	3,010.30	3,009.48	14.41	13.13	4.30	871.77	2,430.21	2,188.74	2,161.61	27.13	80.664		
3,200.00	3,169.31	3,098.47	3,097.56	14.87	13.50	4.24	875.82	2,431.51	2,176.35	2,148.40	27.95	77.873		
3,300.00	3,268.14	3,193.51	3,192.47	15.33	13.90	4.17	880.23	2,433.21	2,164.27	2,135.49	28.79	75.181		
3,400.00	3,366.96	3,285.06	3,283.92	15.79	14.28	4.12	884.07	2,435.24	2,152.47	2,122.86	29.61	72.683		
3,500.00	3,465.78	3,390.09	3,388.86	16.25	14.72	4.08	887.79	2,437.93	2,140.77	2,110.28	30.49	70.206		
3,600.00	3,564.61	3,485.28	3,483.96	16.72	15.12	4.04	891.09	2,440.28	2,128.95	2,097.62	31.34	67.941		
3,700.00	3,663.43	3,585.22	3,583.81	17.18	15.54	4.01	894.41	2,442.94	2,117.27	2,085.07	32.20	65.761		
3,800.00	3,762.25	3,709.10	3,707.62	17.64	16.06	4.01	897.12	2,445.99	2,105.04	2,071.90	33.14	63.515		
3,900.00	3,861.07	3,814.20	3,812.69	18.10	16.49	4.02	898.62	2,448.03	2,092.07	2,058.04	34.02	61.492		
4,000.00	3,959.90	3,922.18	3,920.64	18.57	16.94	4.03	899.96	2,449.75	2,078.70	2,043.79	34.91	59.543		
4,100.00	4,058.72	4,031.10	4,029.55	19.03	17.40	4.04	901.06	2,451.05	2,064.88	2,029.08	35.80	57.673		
4,200.00	4,157.54	4,135.16	4,133.60	19.50	17.83	4.05	902.28	2,451.75	2,050.63	2,013.95	36.68	55.907		
4,300.00	4,256.37	4,232.93	4,231.36	19.96	18.24	4.05	903.60	2,452.36	2,036.39	1,998.86	37.54	54.250		
4,400.00	4,355.19	4,336.76	4,335.17	20.43	18.68	4.04	905.33	2,452.78	2,022.06	1,983.64	38.41	52.638		
4,500.00	4,454.01	4,459.64	4,458.03	20.89	19.20	4.02	907.54	2,452.51	2,007.23	1,967.88	39.35	51.015		
4,600.00	4,552.83	4,596.87	4,595.23	21.36	19.78	3.99	909.00	2,449.95	1,990.56	1,950.25	40.30	49.388		
4,700.00	4,651.66	4,703.86	4,702.18	21.82	20.23	3.98	909.70	2,446.80	1,972.77	1,931.58	41.18	47.901		
4,800.00	4,750.48	4,809.14	4,807.40	22.29	20.67	3.96	910.17	2,443.35	1,954.61	1,912.55	42.06	46.474		
4,900.00	4,849.30	4,903.56	4,901.76	22.76	21.07	3.95	910.61	2,440.21	1,936.40	1,893.49	42.91	45.127		
5,000.00	4,948.13	5,008.69	5,006.82	23.22	21.52	3.93	911.10	2,436.59	1,918.09	1,874.31	43.78	43.808		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,101.62	5,099.69	23.69	21.91	3.91	911.70	2,433.32	1,899.77	1,855.14	44.64	42.562		
5,200.00	5,145.77	5,204.13	5,202.14	24.16	22.35	3.89	912.22	2,429.77	1,881.45	1,835.95	45.50	41.347		
5,300.00	5,244.59	5,297.00	5,294.97	24.62	22.74	3.89	912.33	2,426.72	1,863.18	1,816.82	46.36	40.192		
5,400.00	5,343.42	5,381.27	5,379.20	25.09	23.10	3.89	912.41	2,424.42	1,845.40	1,798.21	47.19	39.103		
5,500.00	5,442.24	5,489.50	5,487.41	25.56	23.56	3.90	912.33	2,421.82	1,827.89	1,779.82	48.07	38.022		
5,600.00	5,541.06	5,581.96	5,579.83	26.03	23.95	3.91	912.10	2,419.36	1,810.08	1,761.15	48.93	36.995		
5,700.00	5,639.89	5,664.39	5,662.24	26.50	24.30	3.92	912.21	2,417.60	1,792.88	1,743.12	49.76	36.028		
5,800.00	5,738.71	5,755.43	5,753.28	26.96	24.68	3.93	912.42	2,416.45	1,776.51	1,725.89	50.62	35.098		
5,900.00	5,837.53	5,856.57	5,854.40	27.43	25.11	3.94	912.83	2,415.13	1,760.16	1,708.68	51.49	34.187		
6,000.00	5,936.35	5,952.56	5,950.37	27.90	25.52	3.93	913.60	2,413.65	1,743.73	1,691.38	52.35	33.310		
6,100.00	6,035.18	6,040.40	6,038.20	28.37	25.89	3.90	914.92	2,412.46	1,727.70	1,674.50	53.20	32.478		
6,200.00	6,134.00	6,132.15	6,129.93	28.84	26.28	3.86	917.02	2,411.67	1,712.39	1,658.34	54.05	31.681		
6,300.00	6,232.82	6,234.55	6,232.28	29.31	26.72	3.79	919.94	2,410.39	1,696.90	1,641.97	54.93	30.893		
6,400.00	6,331.64	6,331.16	6,328.83	29.77	27.13	3.71	922.93	2,409.31	1,681.61	1,625.82	55.79	30.140		
6,477.15	6,407.89	6,416.73	6,414.36	30.14	27.50	3.65	925.33	2,408.14	1,669.57	1,613.09	56.48	29.559		
6,500.00	6,430.52	6,441.67	6,439.28	30.24	27.60	9.96	926.02	2,407.70	1,666.31	1,609.63	56.68	29.396		
6,550.00	6,480.31	6,496.94	6,494.52	30.46	27.84	45.45	927.58	2,406.60	1,661.76	1,604.64	57.12	29.093		
6,585.80	6,516.05	6,529.79	6,527.34	30.60	27.98	98.43	928.53	2,405.90	1,660.77	1,603.36	57.41	28.928 CC, ES		
6,600.00	6,530.22	6,542.59	6,540.14	30.66	28.03	113.82	928.91	2,405.64	1,660.93	1,603.40	57.53	28.872		
6,650.00	6,579.93	6,587.53	6,585.06	30.85	28.22	138.51	930.25	2,404.83	1,663.97	1,606.06	57.91	28.732		
6,700.00	6,629.13	6,638.63	6,636.13	31.04	28.44	146.86	931.84	2,403.97	1,670.82	1,612.52	58.30	28.660		
6,750.00	6,677.53	6,691.55	6,689.00	31.23	28.67	150.75	933.61	2,402.90	1,681.24	1,622.58	58.67	28.657 SF		
6,800.00	6,724.83	6,739.74	6,737.15	31.43	28.87	152.86	935.38	2,401.79	1,695.23	1,636.21	59.01	28.726		
6,850.00	6,770.73	6,785.97	6,783.32	31.63	29.07	154.04	937.31	2,400.65	1,712.77	1,653.43	59.34	28.863		
6,900.00	6,814.95	6,826.42	6,823.72	31.84	29.24	154.63	939.20	2,399.63	1,733.82	1,674.18	59.64	29.072		
6,950.00	6,857.22	6,863.25	6,860.49	32.06	29.40	154.80	941.08	2,398.77	1,758.35	1,698.44	59.91	29.349		
7,000.00	6,897.28	6,898.13	6,895.30	32.29	29.55	154.61	943.01	2,398.03	1,786.21	1,726.05	60.16	29.691		
7,050.00	6,934.88	6,942.35	6,939.44	32.54	29.74	154.20	945.55	2,397.07	1,817.09	1,756.68	60.41	30.079		
7,100.00	6,969.79	6,984.46	6,981.47	32.81	29.91	153.50	947.97	2,396.00	1,850.69	1,790.05	60.64	30.519		
7,150.00	7,001.79	7,018.18	7,015.12	33.11	30.06	152.37	949.89	2,395.07	1,886.85	1,826.01	60.84	31.015		
7,200.00	7,030.69	7,045.53	7,042.42	33.44	30.18	150.75	951.43	2,394.34	1,925.49	1,864.48	61.00	31.564		
7,250.00	7,056.31	7,069.81	7,066.66	33.81	30.28	148.53	952.76	2,393.74	1,966.37	1,905.22	61.15	32.158		
7,300.00	7,078.48	7,090.89	7,087.69	34.21	30.37	145.51	953.90	2,393.25	2,009.23	1,947.96	61.27	32.792		
7,350.00	7,097.08	7,112.45	7,109.22	34.65	30.46	141.47	955.05	2,392.76	2,053.79	1,992.41	61.39	33.457		
7,400.00	7,112.00	7,133.43	7,130.17	35.12	30.55	135.96	956.15	2,392.25	2,099.74	2,038.25	61.49	34.149		
7,450.00	7,123.12	7,149.72	7,146.43	35.64	30.62	128.07	956.99	2,391.82	2,146.81	2,085.24	61.57	34.867		
7,500.00	7,130.40	7,150.00	7,148.80	36.19	32.11	115.90	957.12	2,391.76	2,194.74	2,131.65	63.10	34.784		
7,550.00	7,133.78	7,150.00	7,146.71	36.77	30.62	98.91	957.01	2,391.81	2,243.25	2,181.62	61.64	36.393		
7,574.97	7,134.00	7,150.00	7,146.71	37.06	30.62	89.20	957.01	2,391.81	2,267.59	2,205.94	61.65	36.780		
7,600.00	7,133.73	7,150.00	7,146.71	37.37	30.62	89.20	957.01	2,391.81	2,292.01	2,230.35	61.67	37.168		
7,700.00	7,132.66	7,150.00	7,146.71	38.71	30.62	89.20	957.01	2,391.81	2,389.70	2,327.98	61.72	38.718		
7,800.00	7,131.59	7,150.00	7,146.71	40.20	30.62	89.20	957.01	2,391.81	2,487.58	2,425.80	61.78	40.266		
7,900.00	7,130.52	7,150.00	7,146.71	41.84	30.62	89.20	957.01	2,391.81	2,585.62	2,523.78	61.84	41.813		
8,000.00	7,129.45	7,150.00	7,146.71	43.60	30.62	89.20	957.01	2,391.81	2,683.80	2,621.90	61.90	43.358		
8,100.00	7,128.38	7,150.00	7,146.71	45.47	30.62	89.20	957.01	2,391.81	2,782.11	2,720.15	61.96	44.901		
8,200.00	7,127.31	7,150.00	7,146.71	47.44	30.62	89.20	957.01	2,391.81	2,880.54	2,818.51	62.02	46.443		
8,300.00	7,126.24	7,150.00	7,146.71	49.49	30.62	89.20	957.01	2,391.81	2,979.07	2,916.98	62.09	47.983		
8,400.00	7,125.17	7,150.00	7,146.71	51.61	30.62	89.20	957.01	2,391.81	3,077.70	3,015.55	62.15	49.521		
8,500.00	7,124.10	7,150.00	7,146.71	53.81	30.62	89.20	957.01	2,391.81	3,176.41	3,114.20	62.21	51.058		
8,600.00	7,123.03	7,150.00	7,146.71	56.06	30.62	89.20	957.01	2,391.81	3,275.20	3,212.93	62.27	52.594		
8,700.00	7,121.96	7,150.00	7,146.71	58.36	30.62	89.20	957.01	2,391.81	3,374.06	3,311.73	62.34	54.127		
8,800.00	7,120.89	7,150.00	7,146.71	60.71	30.62	89.20	957.01	2,391.81	3,472.99	3,410.59	62.40	55.659		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,150.00	7,146.71	63.10	30.62	89.20	957.01	2,391.81	3,571.98	3,509.52	62.46	57.189		
9,000.00	7,118.75	7,150.00	7,146.71	65.53	30.62	89.20	957.01	2,391.81	3,671.02	3,608.50	62.52	58.717		
9,100.00	7,117.68	7,150.00	7,146.71	67.98	30.62	89.20	957.01	2,391.81	3,770.11	3,707.53	62.58	60.244		
9,200.00	7,116.61	7,150.00	7,146.71	70.47	30.62	89.20	957.01	2,391.81	3,869.25	3,806.61	62.64	61.768		
9,300.00	7,115.54	7,150.00	7,146.71	72.98	30.62	89.20	957.01	2,391.81	3,968.44	3,905.73	62.70	63.291		
9,400.00	7,114.47	7,150.00	7,146.71	75.52	30.62	89.20	957.01	2,391.81	4,067.66	4,004.90	62.76	64.811		
9,500.00	7,113.40	7,150.00	7,146.71	78.08	30.62	89.20	957.01	2,391.81	4,166.92	4,104.10	62.82	66.329		
9,600.00	7,112.33	7,150.00	7,146.71	80.65	30.62	89.20	957.01	2,391.81	4,266.21	4,203.33	62.88	67.845		
9,700.00	7,111.26	7,150.00	7,146.71	83.25	30.62	89.20	957.01	2,391.81	4,365.54	4,302.60	62.94	69.359		
9,800.00	7,110.19	7,150.00	7,146.71	85.86	30.62	89.20	957.01	2,391.81	4,464.90	4,401.89	63.00	70.870		
9,900.00	7,109.12	7,150.00	7,146.71	88.48	30.62	89.20	957.01	2,391.81	4,564.28	4,501.22	63.06	72.379		
10,000.00	7,108.04	7,150.00	7,146.71	91.12	30.62	89.20	957.01	2,391.81	4,663.69	4,600.57	63.12	73.886		
10,100.00	7,106.97	7,150.00	7,146.71	93.77	30.62	89.20	957.01	2,391.81	4,763.13	4,699.95	63.18	75.390		
10,200.00	7,105.90	7,150.00	7,146.71	96.43	30.62	89.20	957.01	2,391.81	4,862.59	4,799.35	63.24	76.892		
10,300.00	7,104.83	7,150.00	7,146.71	99.10	30.62	89.20	957.01	2,391.81	4,962.07	4,898.77	63.30	78.391		
10,400.00	7,103.76	7,150.00	7,146.71	101.78	30.62	89.20	957.01	2,391.81	5,061.57	4,998.21	63.36	79.887		
10,500.00	7,102.69	7,150.00	7,146.71	104.47	30.62	89.20	957.01	2,391.81	5,161.09	5,097.67	63.42	81.381		
10,600.00	7,101.62	7,150.00	7,146.71	107.16	30.62	89.20	957.01	2,391.81	5,260.63	5,197.15	63.48	82.872		
10,700.00	7,100.55	7,150.00	7,146.71	109.87	30.62	89.20	957.01	2,391.81	5,360.18	5,296.64	63.54	84.359		
10,800.00	7,099.48	7,150.00	7,146.71	112.58	30.62	89.20	957.01	2,391.81	5,459.75	5,396.15	63.60	85.845		
10,900.00	7,098.41	7,150.00	7,146.71	115.29	30.62	89.20	957.01	2,391.81	5,559.34	5,495.68	63.66	87.327		
11,000.00	7,097.34	7,150.00	7,146.71	118.02	30.62	89.20	957.01	2,391.81	5,658.94	5,595.22	63.72	88.806		
11,100.00	7,096.27	7,150.00	7,146.71	120.74	30.62	89.20	957.01	2,391.81	5,758.56	5,694.77	63.78	90.282		
11,200.00	7,095.20	7,150.00	7,146.71	123.48	30.62	89.20	957.01	2,391.81	5,858.19	5,794.34	63.85	91.755		
11,300.00	7,094.13	7,150.00	7,146.71	126.22	30.62	89.20	957.01	2,391.81	5,957.83	5,893.92	63.91	93.224		
11,400.00	7,093.06	7,150.00	7,146.71	128.96	30.62	89.20	957.01	2,391.81	6,057.48	5,993.51	63.97	94.691		
11,500.00	7,091.99	7,150.00	7,146.71	131.71	30.62	89.20	957.01	2,391.81	6,157.15	6,093.11	64.03	96.154		
11,600.00	7,090.92	7,150.00	7,146.71	134.46	30.62	89.20	957.01	2,391.81	6,256.82	6,192.72	64.10	97.614		
11,700.00	7,089.85	7,150.00	7,146.71	137.21	30.62	89.20	957.01	2,391.81	6,356.51	6,292.34	64.16	99.070		
11,800.00	7,088.78	7,150.00	7,146.71	139.97	30.62	89.20	957.01	2,391.81	6,456.20	6,391.98	64.23	100.523		
11,900.00	7,087.71	7,150.00	7,146.71	142.73	30.62	89.20	957.01	2,391.81	6,555.91	6,491.61	64.29	101.972		
12,000.00	7,086.64	7,150.00	7,146.71	145.50	30.62	89.20	957.01	2,391.81	6,655.62	6,591.26	64.36	103.418		
12,100.00	7,085.57	7,150.00	7,146.71	148.26	30.62	89.20	957.01	2,391.81	6,755.34	6,690.92	64.42	104.861		
12,200.00	7,084.50	7,150.00	7,146.71	151.03	30.62	89.20	957.01	2,391.81	6,855.07	6,790.58	64.49	106.299		
12,300.00	7,083.43	7,150.00	7,146.71	153.81	30.62	89.20	957.01	2,391.81	6,954.81	6,890.25	64.56	107.734		
12,400.00	7,082.36	7,150.00	7,146.71	156.58	30.62	89.20	957.01	2,391.81	7,054.55	6,989.93	64.62	109.166		
12,500.00	7,081.29	7,150.00	7,146.71	159.36	30.62	89.20	957.01	2,391.81	7,154.30	7,089.61	64.69	110.593		
12,600.00	7,080.22	7,150.00	7,146.71	162.14	30.62	89.20	957.01	2,391.81	7,254.06	7,189.30	64.76	112.017		
12,700.00	7,079.15	7,150.00	7,146.71	164.92	30.62	89.20	957.01	2,391.81	7,353.83	7,289.00	64.83	113.436		
12,800.00	7,078.08	7,150.00	7,146.71	167.71	30.62	89.20	957.01	2,391.81	7,453.60	7,388.70	64.90	114.852		
12,900.00	7,077.01	7,150.00	7,146.71	170.49	30.62	89.20	957.01	2,391.81	7,553.38	7,488.41	64.97	116.264		
13,000.00	7,075.93	7,150.00	7,146.71	173.28	30.62	89.20	957.01	2,391.81	7,653.16	7,588.12	65.04	117.672		
13,100.00	7,074.86	7,150.00	7,146.71	176.07	30.62	89.20	957.01	2,391.81	7,752.95	7,687.84	65.11	119.076		
13,200.00	7,073.79	7,150.00	7,146.71	178.86	30.62	89.20	957.01	2,391.81	7,852.75	7,787.56	65.18	120.476		
13,300.00	7,072.72	7,150.00	7,146.71	181.65	30.62	89.20	957.01	2,391.81	7,952.54	7,887.29	65.25	121.872		
13,400.00	7,071.65	7,150.00	7,146.71	184.45	30.62	89.20	957.01	2,391.81	8,052.35	7,987.02	65.33	123.264		
13,500.00	7,070.58	7,150.00	7,146.71	187.25	30.62	89.20	957.01	2,391.81	8,152.16	8,086.76	65.40	124.651		
13,600.00	7,069.51	7,150.00	7,146.71	190.04	30.62	89.20	957.01	2,391.81	8,251.97	8,186.50	65.47	126.034		
13,700.00	7,068.44	7,150.00	7,146.71	192.84	30.62	89.20	957.01	2,391.81	8,351.79	8,286.24	65.55	127.413		
13,800.00	7,067.37	7,150.00	7,146.71	195.64	30.62	89.20	957.01	2,391.81	8,451.61	8,385.99	65.62	128.788		
13,900.00	7,066.30	7,150.00	7,146.71	198.44	30.62	89.20	957.01	2,391.81	8,551.44	8,485.74	65.70	130.159		
14,000.00	7,065.23	7,150.00	7,146.71	201.24	30.62	89.20	957.01	2,391.81	8,651.27	8,585.50	65.78	131.525		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - GREELEY TECH CENTER #41-5 - 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	7,064.16	7,150.00	7,146.71	204.05	30.62	89.20	957.01	2,391.81	8,751.11	8,685.25	65.85	132.887	
14,200.00	7,063.09	7,150.00	7,146.71	206.85	30.62	89.20	957.01	2,391.81	8,850.95	8,785.01	65.93	134.244	
14,300.00	7,062.02	7,150.00	7,146.71	209.66	30.62	89.20	957.01	2,391.81	8,950.79	8,884.78	66.01	135.597	
14,400.00	7,060.95	7,150.00	7,146.71	212.46	30.62	89.20	957.01	2,391.81	9,050.63	8,984.54	66.09	136.946	
14,500.00	7,059.88	7,150.00	7,146.71	215.27	30.62	89.20	957.01	2,391.81	9,150.48	9,084.31	66.17	138.290	
14,600.00	7,058.81	7,150.00	7,146.71	218.08	30.62	89.20	957.01	2,391.81	9,250.33	9,184.08	66.25	139.629	
14,700.00	7,057.74	7,150.00	7,146.71	220.89	30.62	89.20	957.01	2,391.81	9,350.19	9,283.86	66.33	140.964	
14,800.00	7,056.67	7,150.00	7,146.71	223.70	30.62	89.20	957.01	2,391.81	9,450.05	9,383.64	66.41	142.295	
14,900.00	7,055.60	7,150.00	7,146.71	226.51	30.62	89.20	957.01	2,391.81	9,549.91	9,483.42	66.49	143.621	
15,000.00	7,054.53	7,150.00	7,146.71	229.32	30.62	89.20	957.01	2,391.81	9,649.77	9,583.20	66.58	144.942	
15,100.00	7,053.46	7,150.00	7,146.71	232.14	30.62	89.20	957.01	2,391.81	9,749.64	9,682.98	66.66	146.259	
15,200.00	7,052.39	7,150.00	7,146.71	234.95	30.62	89.20	957.01	2,391.81	9,849.51	9,782.77	66.74	147.571	
15,300.00	7,051.32	7,150.00	7,146.71	237.76	30.62	89.20	957.01	2,391.81	9,949.38	9,882.55	66.83	148.879	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Boomerang 21-5 - KELLY # 1-3 - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	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)					
0.00	0.00	0.00	0.00	3.28	3.28	94.75	-743.72	8,952.50	8,983.39							
100.00	100.00	72.00	72.00	3.28	3.51	94.75	-743.72	8,952.50	8,983.34	8,976.55	6.80	1,321.615				
200.00	200.00	172.00	172.00	3.34	5.38	94.75	-743.72	8,952.50	8,983.34	8,974.63	8.71	1,031.065				
300.00	300.00	272.00	272.00	3.44	8.42	94.75	-743.72	8,952.50	8,983.34	8,971.48	11.86	757.420				
400.00	399.98	371.98	371.98	3.60	11.71	28.12	-743.72	8,952.50	8,981.80	8,966.49	15.31	586.647				
500.00	499.84	471.84	471.84	3.80	15.09	28.18	-743.72	8,952.50	8,977.19	8,958.30	18.89	475.254				
600.00	599.45	571.45	571.45	4.05	18.50	28.28	-743.72	8,952.50	8,969.50	8,946.96	22.54	397.943				
700.00	698.70	670.70	670.70	4.32	21.92	28.42	-743.72	8,952.50	8,958.76	8,932.53	26.23	341.511				
740.00	738.27	710.27	710.27	4.45	23.28	28.48	-743.72	8,952.50	8,953.61	8,925.89	27.72	323.004				
800.00	797.57	769.57	769.57	4.63	25.33	28.51	-743.72	8,952.50	8,945.52	8,915.57	29.95	298.650				
900.00	896.39	868.39	868.39	4.96	28.76	28.56	-743.72	8,952.50	8,932.04	8,898.35	33.70	265.062				
1,000.00	995.21	967.21	967.21	5.32	32.19	28.61	-743.72	8,952.50	8,918.57	8,881.11	37.47	238.033				
1,100.00	1,094.03	1,066.03	1,066.03	5.69	35.62	28.65	-743.72	8,952.50	8,905.11	8,863.85	41.26	215.840				
1,200.00	1,192.86	1,164.86	1,164.86	6.07	39.06	28.70	-743.72	8,952.50	8,891.65	8,846.59	45.06	197.311				
1,300.00	1,291.68	1,263.68	1,263.68	6.47	42.50	28.75	-743.72	8,952.50	8,878.20	8,829.32	48.88	181.619				
1,400.00	1,390.50	1,362.50	1,362.50	6.88	45.94	28.79	-743.72	8,952.50	8,864.75	8,812.04	52.71	168.168				
1,500.00	1,489.33	1,461.33	1,461.33	7.29	49.38	28.84	-743.72	8,952.50	8,851.31	8,794.76	56.55	156.514				
1,600.00	1,588.15	1,560.15	1,560.15	7.71	52.82	28.89	-743.72	8,952.50	8,837.88	8,777.48	60.40	146.323				
1,700.00	1,686.97	1,658.97	1,658.97	8.14	56.26	28.94	-743.72	8,952.50	8,824.45	8,760.20	64.25	137.340				
1,800.00	1,785.79	1,757.79	1,757.79	8.57	59.71	28.99	-743.72	8,952.50	8,811.03	8,742.92	68.11	129.362				
1,900.00	1,884.62	1,856.62	1,856.62	9.01	63.15	29.03	-743.72	8,952.50	8,797.61	8,725.64	71.97	122.233				
2,000.00	1,983.44	1,955.44	1,955.44	9.45	66.60	29.08	-743.72	8,952.50	8,784.20	8,708.36	75.84	115.823				
2,100.00	2,082.26	2,054.26	2,054.26	9.89	70.05	29.13	-743.72	8,952.50	8,770.80	8,691.08	79.71	110.031				
2,200.00	2,181.09	2,153.09	2,153.09	10.33	73.49	29.18	-743.72	8,952.50	8,757.40	8,673.81	83.59	104.772				
2,300.00	2,279.91	2,251.91	2,251.91	10.78	76.94	29.23	-743.72	8,952.50	8,744.01	8,656.55	87.46	99.975				
2,400.00	2,378.73	2,350.73	2,350.73	11.23	80.39	29.28	-743.72	8,952.50	8,730.62	8,639.28	91.34	95.583				
2,500.00	2,477.55	2,449.55	2,449.55	11.68	83.83	29.33	-743.72	8,952.50	8,717.24	8,622.02	95.22	91.547				
2,600.00	2,576.38	2,548.38	2,548.38	12.13	87.28	29.37	-743.72	8,952.50	8,703.87	8,604.77	99.10	87.826				
2,700.00	2,675.20	2,647.20	2,647.20	12.59	90.73	29.42	-743.72	8,952.50	8,690.50	8,587.52	102.99	84.384				
2,800.00	2,774.02	2,746.02	2,746.02	13.04	94.18	29.47	-743.72	8,952.50	8,677.15	8,570.27	106.87	81.191				
2,900.00	2,872.85	2,844.85	2,844.85	13.50	97.62	29.52	-743.72	8,952.50	8,663.79	8,553.03	110.76	78.221				
3,000.00	2,971.67	2,943.67	2,943.67	13.96	101.07	29.57	-743.72	8,952.50	8,650.44	8,535.80	114.65	75.452				
3,100.00	3,070.49	3,042.49	3,042.49	14.41	104.52	29.62	-743.72	8,952.50	8,637.10	8,518.57	118.54	72.864				
3,200.00	3,169.31	3,141.31	3,141.31	14.87	107.97	29.67	-743.72	8,952.50	8,623.77	8,501.34	122.43	70.439				
3,300.00	3,268.14	3,240.14	3,240.14	15.33	111.42	29.72	-743.72	8,952.50	8,610.44	8,484.12	126.32	68.164				
3,400.00	3,366.96	3,338.96	3,338.96	15.79	114.86	29.77	-743.72	8,952.50	8,597.12	8,466.91	130.21	66.024				
3,500.00	3,465.78	3,437.78	3,437.78	16.25	118.31	29.82	-743.72	8,952.50	8,583.81	8,449.70	134.10	64.008				
3,600.00	3,564.61	3,536.61	3,536.61	16.72	121.76	29.88	-743.72	8,952.50	8,570.50	8,432.50	138.00	62.106				
3,700.00	3,663.43	3,635.43	3,635.43	17.18	125.21	29.93	-743.72	8,952.50	8,557.20	8,415.31	141.89	60.308				
3,800.00	3,762.25	3,734.25	3,734.25	17.64	128.66	29.98	-743.72	8,952.50	8,543.91	8,398.12	145.79	58.606				
3,900.00	3,861.07	3,833.07	3,833.07	18.10	132.11	30.03	-743.72	8,952.50	8,530.62	8,380.94	149.68	56.992				
4,000.00	3,959.90	3,931.90	3,931.90	18.57	135.56	30.08	-743.72	8,952.50	8,517.34	8,363.76	153.58	55.459				
4,100.00	4,058.72	4,030.72	4,030.72	19.03	139.01	30.13	-743.72	8,952.50	8,504.06	8,346.59	157.47	54.003				
4,200.00	4,157.54	4,129.54	4,129.54	19.50	142.45	30.18	-743.72	8,952.50	8,490.80	8,329.42	161.37	52.617				
4,300.00	4,256.37	4,228.37	4,228.37	19.96	145.90	30.23	-743.72	8,952.50	8,477.54	8,312.27	165.27	51.296				
4,400.00	4,355.19	4,327.19	4,327.19	20.43	149.35	30.29	-743.72	8,952.50	8,464.28	8,295.12	169.17	50.035				
4,500.00	4,454.01	4,426.01	4,426.01	20.89	152.80	30.34	-743.72	8,952.50	8,451.04	8,277.97	173.06	48.832				
4,600.00	4,552.83	4,524.83	4,524.83	21.36	156.25	30.39	-743.72	8,952.50	8,437.80	8,260.83	176.96	47.681				
4,700.00	4,651.66	4,623.66	4,623.66	21.82	159.70	30.44	-743.72	8,952.50	8,424.56	8,243.70	180.86	46.580				
4,800.00	4,750.48	4,722.48	4,722.48	22.29	163.15	30.50	-743.72	8,952.50	8,411.34	8,226.58	184.76	45.526				
4,900.00	4,849.30	4,821.30	4,821.30	22.76	166.60	30.55	-743.72	8,952.50	8,398.12	8,209.46	188.66	44.515				
5,000.00	4,948.13	4,920.13	4,920.13	23.22	170.05	30.60	-743.72	8,952.50	8,384.91	8,192.35	192.56	43.545				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,018.95	5,018.95	23.69	173.50	30.66	-743.72	8,952.50	8,371.70	8,175.24	196.46	42.613		
5,200.00	5,145.77	5,117.77	5,117.77	24.16	176.95	30.71	-743.72	8,952.50	8,358.51	8,158.15	200.36	41.718		
5,300.00	5,244.59	5,216.59	5,216.59	24.62	180.40	30.76	-743.72	8,952.50	8,345.32	8,141.06	204.26	40.857		
5,400.00	5,343.42	5,315.42	5,315.42	25.09	183.85	30.82	-743.72	8,952.50	8,332.13	8,123.97	208.16	40.028		
5,500.00	5,442.24	5,414.24	5,414.24	25.56	187.29	30.87	-743.72	8,952.50	8,318.96	8,106.90	212.06	39.229		
5,600.00	5,541.06	5,513.06	5,513.06	26.03	190.74	30.92	-743.72	8,952.50	8,305.79	8,089.83	215.96	38.460		
5,700.00	5,639.89	5,611.89	5,611.89	26.50	194.19	30.98	-743.72	8,952.50	8,292.63	8,072.77	219.86	37.717		
5,800.00	5,738.71	5,710.71	5,710.71	26.96	197.64	31.03	-743.72	8,952.50	8,279.47	8,055.71	223.76	37.001		
5,900.00	5,837.53	5,809.53	5,809.53	27.43	201.09	31.09	-743.72	8,952.50	8,266.33	8,038.66	227.66	36.309		
6,000.00	5,936.35	5,908.35	5,908.35	27.90	204.54	31.14	-743.72	8,952.50	8,253.19	8,021.62	231.57	35.641		
6,100.00	6,035.18	6,007.18	6,007.18	28.37	207.99	31.20	-743.72	8,952.50	8,240.06	8,004.59	235.47	34.994		
6,200.00	6,134.00	6,106.00	6,106.00	28.84	211.44	31.25	-743.72	8,952.50	8,226.93	7,987.56	239.37	34.369		
6,300.00	6,232.82	6,204.82	6,204.82	29.31	214.89	31.31	-743.72	8,952.50	8,213.82	7,970.54	243.27	33.764		
6,400.00	6,331.64	6,303.64	6,303.64	29.77	218.34	31.36	-743.72	8,952.50	8,200.71	7,953.53	247.17	33.178		
6,477.15	6,407.89	6,379.89	6,379.89	30.14	221.00	31.40	-743.72	8,952.50	8,190.60	7,940.41	250.19	32.738		
6,500.00	6,430.52	6,402.52	6,402.52	30.24	221.79	37.61	-743.72	8,952.50	8,188.01	7,936.93	251.08	32.611		
6,550.00	6,480.31	6,452.31	6,452.31	30.46	223.53	72.95	-743.72	8,952.50	8,185.15	7,932.11	253.03	32.348		
6,561.98	6,492.27	6,464.27	6,464.27	30.51	223.95	90.00	-743.72	8,952.50	8,185.04	7,931.54	253.50	32.288 CC		
6,600.00	6,530.22	6,502.22	6,502.22	30.66	225.27	141.30	-743.72	8,952.50	8,186.15	7,931.18	254.97	32.106 ES		
6,650.00	6,579.93	6,551.93	6,551.93	30.85	227.01	166.09	-743.72	8,952.50	8,191.02	7,934.13	256.89	31.885		
6,700.00	6,629.13	6,601.13	6,601.13	31.04	228.72	174.65	-743.72	8,952.50	8,199.73	7,940.95	258.78	31.686		
6,750.00	6,677.53	6,649.53	6,649.53	31.23	230.41	178.88	-743.72	8,952.50	8,212.20	7,951.58	260.62	31.510		
6,800.00	6,724.83	6,703.17	6,696.83	31.43	232.29	-178.52	-743.72	8,952.50	8,228.38	7,965.75	262.64	31.330		
6,850.00	6,770.73	6,742.73	6,742.73	31.63	233.67	-176.67	-743.72	8,952.50	8,248.16	7,984.02	264.15	31.226		
6,900.00	6,814.95	6,786.95	6,786.95	31.84	235.21	-175.19	-743.72	8,952.50	8,271.42	8,005.62	265.80	31.119		
6,950.00	6,857.22	6,829.22	6,829.22	32.06	236.69	-173.88	-743.72	8,952.50	8,298.02	8,030.64	267.38	31.035		
7,000.00	6,897.28	6,869.28	6,869.28	32.29	238.08	-172.63	-743.72	8,952.50	8,327.79	8,058.93	268.86	30.974		
7,050.00	6,934.88	6,906.88	6,906.88	32.54	239.40	-171.35	-743.72	8,952.50	8,360.54	8,090.30	270.25	30.937		
7,100.00	6,969.79	6,941.79	6,941.79	32.81	240.62	-169.95	-743.72	8,952.50	8,396.09	8,124.56	271.52	30.922 SF		
7,150.00	7,001.79	6,973.79	6,973.79	33.11	241.73	-168.34	-743.72	8,952.50	8,434.20	8,161.51	272.69	30.930		
7,200.00	7,030.69	7,002.69	7,002.69	33.44	242.74	-166.41	-743.72	8,952.50	8,474.66	8,200.92	273.74	30.959		
7,250.00	7,056.31	7,028.31	7,028.31	33.81	243.64	-163.98	-743.72	8,952.50	8,517.20	8,242.54	274.66	31.010		
7,300.00	7,078.48	7,050.48	7,050.48	34.21	244.41	-160.79	-743.72	8,952.50	8,561.56	8,286.10	275.46	31.081		
7,350.00	7,097.08	7,069.08	7,069.08	34.65	245.06	-156.38	-743.72	8,952.50	8,607.48	8,331.36	276.12	31.173		
7,400.00	7,112.00	7,084.00	7,084.00	35.12	245.58	-149.94	-743.72	8,952.50	8,654.67	8,378.02	276.66	31.283		
7,450.00	7,123.12	7,104.88	7,095.12	35.64	246.31	-139.97	-743.72	8,952.50	8,702.85	8,425.45	277.40	31.373		
7,500.00	7,130.40	7,102.40	7,102.40	36.19	246.22	-123.94	-743.72	8,952.50	8,751.71	8,474.39	277.32	31.558		
7,550.00	7,133.78	7,105.78	7,105.78	36.77	246.34	-99.95	-743.72	8,952.50	8,800.95	8,523.50	277.45	31.721		
7,574.97	7,134.00	7,106.00	7,106.00	37.06	246.35	-86.26	-743.72	8,952.50	8,825.59	8,548.13	277.47	31.808		
7,600.00	7,133.73	7,105.73	7,105.73	37.37	246.34	-86.25	-743.72	8,952.50	8,850.29	8,572.83	277.47	31.897		
7,700.00	7,132.66	7,104.66	7,104.66	38.71	246.30	-86.21	-743.72	8,952.50	8,948.99	8,671.52	277.47	32.252		
7,800.00	7,131.59	7,103.59	7,103.59	40.20	246.26	-86.17	-743.72	8,952.50	9,047.72	8,770.25	277.47	32.608		
7,900.00	7,130.52	7,102.52	7,102.52	41.84	246.23	-86.13	-743.72	8,952.50	9,146.47	8,868.99	277.48	32.962		
8,000.00	7,129.45	7,101.45	7,101.45	43.60	246.19	-86.08	-743.72	8,952.50	9,245.25	8,967.75	277.50	33.316		
8,100.00	7,128.38	7,100.38	7,100.38	45.47	246.15	-86.04	-743.72	8,952.50	9,344.06	9,066.54	277.52	33.670		
8,200.00	7,127.31	7,100.69	7,099.31	47.44	246.16	-86.00	-743.72	8,952.50	9,442.89	9,165.30	277.60	34.017		
8,300.00	7,126.24	7,101.76	7,098.24	49.49	246.20	-85.95	-743.72	8,952.50	9,541.75	9,264.05	277.70	34.360		
8,400.00	7,125.17	7,102.83	7,097.17	51.61	246.24	-85.91	-743.72	8,952.50	9,640.63	9,362.82	277.81	34.702		
8,500.00	7,124.10	7,103.90	7,096.10	53.81	246.27	-85.87	-743.72	8,952.50	9,739.53	9,461.61	277.92	35.044		
8,600.00	7,123.03	7,104.97	7,095.03	56.06	246.31	-85.83	-743.72	8,952.50	9,838.46	9,560.42	278.04	35.385		
8,700.00	7,121.96	7,106.04	7,093.96	58.36	246.35	-85.78	-743.72	8,952.50	9,937.40	9,659.24	278.16	35.725		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
2,600.00	2,576.38	2,532.38	2,532.38	12.13	86.72	20.30	695.78	10,268.66	9,992.69	9,894.17	98.52	101.425		
2,700.00	2,675.20	2,631.20	2,631.20	12.59	90.17	20.33	695.78	10,268.66	9,978.33	9,875.92	102.41	97.440		
2,800.00	2,774.02	2,730.02	2,730.02	13.04	93.62	20.36	695.78	10,268.66	9,963.96	9,857.67	106.29	93.744		
2,900.00	2,872.85	2,828.85	2,828.85	13.50	97.07	20.39	695.78	10,268.66	9,949.60	9,839.43	110.17	90.307		
3,000.00	2,971.67	2,927.67	2,927.67	13.96	100.51	20.42	695.78	10,268.66	9,935.24	9,821.18	114.06	87.104		
3,100.00	3,070.49	3,026.49	3,026.49	14.41	103.96	20.45	695.78	10,268.66	9,920.89	9,802.94	117.95	84.112		
3,200.00	3,169.31	3,125.31	3,125.31	14.87	107.41	20.49	695.78	10,268.66	9,906.53	9,784.70	121.84	81.309		
3,300.00	3,268.14	3,224.14	3,224.14	15.33	110.86	20.52	695.78	10,268.66	9,892.18	9,766.46	125.73	78.680		
3,400.00	3,366.96	3,322.96	3,322.96	15.79	114.31	20.55	695.78	10,268.66	9,877.84	9,748.22	129.62	76.208		
3,500.00	3,465.78	3,421.78	3,421.78	16.25	117.75	20.58	695.78	10,268.66	9,863.49	9,729.98	133.51	73.879		
3,600.00	3,564.61	3,520.61	3,520.61	16.72	121.20	20.61	695.78	10,268.66	9,849.15	9,711.75	137.40	71.682		
3,700.00	3,663.43	3,619.43	3,619.43	17.18	124.65	20.64	695.78	10,268.66	9,834.81	9,693.52	141.29	69.606		
3,800.00	3,762.25	3,718.25	3,718.25	17.64	128.10	20.67	695.78	10,268.66	9,820.47	9,675.29	145.19	67.641		
3,900.00	3,861.07	3,817.07	3,817.07	18.10	131.55	20.70	695.78	10,268.66	9,806.14	9,657.06	149.08	65.778		
4,000.00	3,959.90	3,915.90	3,915.90	18.57	135.00	20.74	695.78	10,268.66	9,791.81	9,638.84	152.97	64.010		
4,100.00	4,058.72	4,014.72	4,014.72	19.03	138.45	20.77	695.78	10,268.66	9,777.48	9,620.62	156.87	62.329		
4,200.00	4,157.54	4,113.54	4,113.54	19.50	141.90	20.80	695.78	10,268.66	9,763.16	9,602.40	160.76	60.730		
4,300.00	4,256.37	4,212.37	4,212.37	19.96	145.35	20.83	695.78	10,268.66	9,748.84	9,584.18	164.66	59.206		
4,400.00	4,355.19	4,311.19	4,311.19	20.43	148.79	20.86	695.78	10,268.66	9,734.52	9,565.97	168.55	57.753		
4,500.00	4,454.01	4,410.01	4,410.01	20.89	152.24	20.90	695.78	10,268.66	9,720.21	9,547.76	172.45	56.365		
4,600.00	4,552.83	4,508.83	4,508.83	21.36	155.69	20.93	695.78	10,268.66	9,705.89	9,529.55	176.35	55.039		
4,700.00	4,651.66	4,607.66	4,607.66	21.82	159.14	20.96	695.78	10,268.66	9,691.58	9,511.34	180.24	53.769		
4,800.00	4,750.48	4,706.48	4,706.48	22.29	162.59	20.99	695.78	10,268.66	9,677.28	9,493.14	184.14	52.554		
4,900.00	4,849.30	4,805.30	4,805.30	22.76	166.04	21.02	695.78	10,268.66	9,662.97	9,474.94	188.04	51.388		
5,000.00	4,948.13	4,904.13	4,904.13	23.22	169.49	21.06	695.78	10,268.66	9,648.67	9,456.74	191.94	50.270		
5,100.00	5,046.95	5,002.95	5,002.95	23.69	172.94	21.09	695.78	10,268.66	9,634.38	9,438.54	195.83	49.197		
5,200.00	5,145.77	5,101.77	5,101.77	24.16	176.39	21.12	695.78	10,268.66	9,620.08	9,420.35	199.73	48.165		
5,300.00	5,244.59	5,200.59	5,200.59	24.62	179.84	21.16	695.78	10,268.66	9,605.79	9,402.16	203.63	47.173		
5,400.00	5,343.42	5,300.58	5,299.42	25.09	183.33	21.19	695.78	10,268.66	9,591.51	9,383.94	207.57	46.209		
5,500.00	5,442.24	5,401.76	5,398.24	25.56	186.86	21.22	695.78	10,268.66	9,577.22	9,365.67	211.55	45.272		
5,600.00	5,541.06	5,502.94	5,497.06	26.03	190.39	21.25	695.78	10,268.66	9,562.94	9,347.41	215.53	44.369		
5,700.00	5,639.89	5,604.12	5,595.89	26.50	193.92	21.29	695.78	10,268.66	9,548.66	9,329.15	219.51	43.499		
5,800.00	5,738.71	5,705.29	5,694.71	26.96	197.45	21.32	695.78	10,268.66	9,534.39	9,310.89	223.49	42.661		
5,900.00	5,837.53	5,806.47	5,793.53	27.43	200.99	21.35	695.78	10,268.66	9,520.11	9,292.64	227.48	41.851		
6,000.00	5,936.35	5,907.65	5,892.35	27.90	204.52	21.39	695.78	10,268.66	9,505.84	9,274.39	231.46	41.069		
6,100.00	6,035.18	6,008.82	5,991.18	28.37	208.05	21.42	695.78	10,268.66	9,491.58	9,256.14	235.44	40.314		
6,200.00	6,134.00	6,090.00	6,090.00	28.84	210.88	21.46	695.78	10,268.66	9,477.32	9,238.59	239.42	39.560		
6,300.00	6,232.82	6,188.82	6,188.82	29.31	214.33	21.49	695.78	10,268.66	9,463.06	9,220.43	243.40	38.806		
6,400.00	6,331.64	6,287.64	6,287.64	29.77	217.78	21.52	695.78	10,268.66	9,448.80	9,202.28	247.38	38.052		
6,477.15	6,407.89	6,363.89	6,363.89	30.14	220.44	21.55	695.78	10,268.66	9,437.80	9,188.27	249.53	37.822		
6,500.00	6,430.52	6,386.52	6,386.52	30.24	221.23	21.58	695.78	10,268.66	9,434.96	9,184.53	250.43	37.676		
6,550.00	6,480.31	6,436.31	6,436.31	30.46	222.97	21.61	695.78	10,268.66	9,431.57	9,179.19	251.33	37.530		
6,568.17	6,498.45	6,454.45	6,454.45	30.53	223.60	21.64	695.78	10,268.66	9,431.31	9,178.22	251.33	37.384		
6,600.00	6,530.22	6,486.22	6,486.22	30.66	224.71	21.67	695.78	10,268.66	9,432.10	9,177.78	251.33	37.238		
6,650.00	6,579.93	6,535.93	6,535.93	30.85	226.45	21.70	695.78	10,268.66	9,436.56	9,180.32	251.33	37.092		
6,700.00	6,629.13	6,585.13	6,585.13	31.04	228.17	21.73	695.78	10,268.66	9,444.91	9,186.79	251.33	36.946		
6,750.00	6,677.53	6,633.53	6,633.53	31.23	229.86	21.76	695.78	10,268.66	9,457.10	9,197.13	251.33	36.800		
6,800.00	6,724.83	6,680.83	6,680.83	31.43	231.51	21.79	695.78	10,268.66	9,473.06	9,211.30	251.33	36.654		
6,850.00	6,770.73	6,726.73	6,726.73	31.63	233.11	21.82	695.78	10,268.66	9,492.69	9,229.20	251.33	36.508		
6,900.00	6,814.95	6,770.95	6,770.95	31.84	234.65	21.85	695.78	10,268.66	9,515.86	9,250.73	251.33	36.362		
6,950.00	6,857.22	6,813.22	6,813.22	32.06	236.13	21.88	695.78	10,268.66	9,542.44	9,275.73	251.33	36.216		
7,000.00	6,897.28	6,853.28	6,853.28	32.29	237.53	21.91	695.78	10,268.66	9,572.26	9,304.07	251.33	36.070		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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
7,050.00	6,934.88	6,909.12	6,890.88	32.54	239.47	175.44	695.78	10,268.66	9,605.14	9,334.94	270.20	35.548 SF	
7,100.00	6,969.79	6,925.79	6,925.79	32.81	240.06	175.82	695.78	10,268.66	9,640.86	9,370.03	270.83	35.597	
7,150.00	7,001.79	6,957.79	6,957.79	33.11	241.17	176.13	695.78	10,268.66	9,679.23	9,407.23	271.99	35.586	
7,200.00	7,030.69	6,986.69	6,986.69	33.44	242.18	176.39	695.78	10,268.66	9,719.98	9,446.95	273.03	35.600	
7,250.00	7,056.31	7,012.31	7,012.31	33.81	243.08	176.62	695.78	10,268.66	9,762.89	9,488.94	273.94	35.638	
7,300.00	7,078.48	7,034.48	7,034.48	34.21	243.85	176.83	695.78	10,268.66	9,807.67	9,532.94	274.73	35.699	
7,350.00	7,097.08	7,053.08	7,053.08	34.65	244.50	177.03	695.78	10,268.66	9,854.06	9,578.68	275.38	35.783	
7,400.00	7,112.00	7,068.00	7,068.00	35.12	245.02	177.27	695.78	10,268.66	9,901.76	9,625.86	275.90	35.888	
7,450.00	7,123.12	7,079.12	7,079.12	35.64	245.41	177.59	695.78	10,268.66	9,950.50	9,674.21	276.29	36.015	
7,500.00	7,130.40	7,086.40	7,086.40	36.19	245.66	178.29	695.78	10,268.66	9,999.95	9,723.41	276.54	36.161	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.09	-656.98	5,283.40	5,324.14					
100.00	100.00	95.80	95.80	3.28	3.29	97.09	-657.19	5,283.21	5,323.96	5,317.39	6.57	810.158		
200.00	200.00	231.43	231.43	3.34	3.34	97.10	-657.83	5,282.14	5,323.22	5,316.54	6.68	796.832		
300.00	300.00	314.41	314.40	3.44	3.43	97.10	-658.23	5,281.39	5,322.38	5,315.50	6.88	773.974		
400.00	399.98	445.57	445.55	3.60	3.64	30.50	-658.85	5,280.20	5,320.09	5,312.84	7.24	734.324		
500.00	499.84	560.60	560.57	3.80	3.89	30.60	-659.04	5,278.50	5,314.13	5,306.44	7.69	690.875		
600.00	599.45	627.48	627.44	4.05	4.05	30.72	-659.34	5,277.67	5,305.42	5,297.32	8.10	655.306		
700.00	698.70	712.35	712.31	4.32	4.28	30.91	-659.96	5,276.90	5,294.13	5,285.53	8.60	615.641		
740.00	738.27	745.82	745.77	4.45	4.38	30.99	-660.21	5,276.65	5,288.85	5,280.03	8.82	599.972		
800.00	797.57	792.70	792.65	4.63	4.52	31.03	-660.42	5,276.41	5,280.68	5,271.55	9.14	578.030		
900.00	896.39	888.71	888.66	4.96	4.81	31.11	-659.95	5,276.24	5,267.30	5,257.55	9.75	540.357		
1,000.00	995.21	973.77	973.68	5.32	5.07	31.16	-657.42	5,276.36	5,253.93	5,243.58	10.35	507.478		
1,100.00	1,094.03	1,101.58	1,101.25	5.69	5.49	31.19	-649.71	5,277.29	5,240.80	5,229.67	11.13	471.034		
1,200.00	1,192.86	1,527.64	1,525.21	6.07	7.09	31.15	-610.89	5,266.58	5,224.07	5,211.00	13.07	399.815		
1,300.00	1,291.68	1,651.14	1,648.26	6.47	7.59	31.19	-603.74	5,258.96	5,204.20	5,190.27	13.93	373.647		
1,400.00	1,390.50	1,701.67	1,698.60	6.88	7.79	31.20	-600.62	5,255.81	5,184.24	5,169.72	14.52	357.029		
1,500.00	1,489.33	1,753.00	1,749.81	7.29	8.00	31.23	-598.32	5,253.13	5,165.32	5,150.19	15.13	341.470		
1,600.00	1,588.15	1,795.47	1,792.21	7.71	8.18	31.25	-596.56	5,251.31	5,147.37	5,131.66	15.71	327.710		
1,700.00	1,686.97	1,851.68	1,848.30	8.14	8.41	31.27	-593.50	5,249.48	5,130.31	5,113.97	16.35	313.807		
1,800.00	1,785.79	1,955.80	1,952.23	8.57	8.84	31.31	-588.09	5,246.28	5,113.49	5,096.31	17.19	297.538		
1,900.00	1,884.62	2,029.00	2,025.34	9.01	9.14	31.34	-585.12	5,244.13	5,096.96	5,079.06	17.91	284.632		
2,000.00	1,983.44	2,121.00	2,117.24	9.45	9.52	31.39	-581.96	5,241.41	5,080.52	5,061.81	18.71	271.588		
2,100.00	2,082.26	2,183.30	2,179.50	9.89	9.78	31.44	-580.44	5,239.74	5,064.55	5,045.16	19.39	261.157		
2,200.00	2,181.09	2,244.38	2,240.56	10.33	10.03	31.49	-579.72	5,238.67	5,049.54	5,029.46	20.08	251.506		
2,300.00	2,279.91	2,335.35	2,331.51	10.78	10.41	31.55	-578.28	5,237.54	5,035.00	5,014.12	20.88	241.118		
2,400.00	2,378.73	2,496.12	2,492.23	11.23	11.08	31.67	-575.29	5,234.67	5,019.97	4,998.00	21.87	228.534		
2,500.00	2,477.55	2,589.34	2,585.41	11.68	11.47	31.75	-573.66	5,232.41	5,004.29	4,981.51	22.79	219.592		
2,600.00	2,576.38	2,633.16	2,629.22	12.13	11.65	31.79	-573.51	5,231.56	4,989.23	4,965.82	23.41	213.080		
2,700.00	2,675.20	2,674.00	2,670.05	12.59	11.81	31.83	-573.93	5,231.05	4,975.20	4,951.16	24.03	207.034		
2,800.00	2,774.02	2,713.56	2,709.61	13.04	11.97	31.87	-574.51	5,231.01	4,962.34	4,937.70	24.64	201.430		
2,900.00	2,872.85	2,766.00	2,762.04	13.50	12.17	31.93	-575.00	5,231.90	4,950.87	4,925.58	25.29	195.774		
3,000.00	2,971.67	2,831.45	2,827.47	13.96	12.42	31.99	-575.37	5,233.57	4,940.28	4,914.30	25.99	190.086		
3,100.00	3,070.49	2,942.23	2,938.21	14.41	12.86	32.10	-576.03	5,236.03	4,929.54	4,902.67	26.86	183.493		
3,200.00	3,169.31	3,090.01	3,085.97	14.87	13.44	32.25	-577.19	5,238.39	4,918.23	4,890.35	27.88	176.377		
3,300.00	3,268.14	3,198.30	3,194.26	15.33	13.87	32.36	-578.13	5,239.42	4,906.31	4,877.56	28.76	170.603		
3,400.00	3,366.96	3,315.33	3,311.28	15.79	14.33	32.48	-578.90	5,240.35	4,894.24	4,864.58	29.67	164.960		
3,500.00	3,465.78	3,396.09	3,392.03	16.25	14.66	32.56	-578.64	5,241.12	4,882.18	4,851.73	30.45	160.342		
3,600.00	3,564.61	3,503.28	3,499.20	16.72	15.11	32.64	-576.84	5,242.54	4,870.30	4,838.96	31.34	155.413		
3,700.00	3,663.43	3,645.14	3,641.01	17.18	15.70	32.74	-573.46	5,243.32	4,857.43	4,825.06	32.37	150.062		
3,800.00	3,762.25	3,791.77	3,787.63	17.64	16.32	32.86	-572.08	5,242.82	4,844.05	4,810.64	33.42	144.963		
3,900.00	3,861.07	3,844.00	3,839.86	18.10	16.54	32.92	-572.05	5,242.23	4,830.34	4,796.24	34.10	141.652		
4,000.00	3,959.90	3,903.70	3,899.55	18.57	16.79	32.98	-572.45	5,242.04	4,817.47	4,782.66	34.81	138.403		
4,100.00	4,058.72	3,955.94	3,951.78	19.03	17.00	33.05	-573.49	5,242.65	4,805.97	4,770.48	35.48	135.442		
4,200.00	4,157.54	4,048.27	4,044.07	19.50	17.37	33.16	-575.53	5,243.94	4,794.86	4,758.55	36.31	132.053		
4,300.00	4,256.37	4,123.52	4,119.30	19.96	17.68	33.25	-577.06	5,245.31	4,784.14	4,747.06	37.07	129.047		
4,400.00	4,355.19	4,343.05	4,338.78	20.43	18.58	33.49	-579.26	5,248.19	4,773.18	4,734.79	38.39	124.324		
4,500.00	4,454.01	4,464.61	4,460.34	20.89	19.09	33.62	-579.69	5,247.74	4,760.09	4,720.75	39.34	120.990		
4,600.00	4,552.83	4,569.51	4,565.24	21.36	19.54	33.74	-579.80	5,247.01	4,746.66	4,706.43	40.23	117.977		
4,700.00	4,651.66	4,699.74	4,695.46	21.82	20.09	33.87	-579.36	5,245.63	4,732.80	4,691.58	41.22	114.816		
4,800.00	4,750.48	4,779.51	4,775.22	22.29	20.43	33.95	-579.09	5,244.56	4,718.72	4,676.70	42.02	112.295		
4,900.00	4,849.30	4,849.69	4,845.40	22.76	20.73	34.03	-579.16	5,244.11	4,705.34	4,662.56	42.78	109.977		
5,000.00	4,948.13	4,945.82	4,941.53	23.22	21.13	34.13	-579.26	5,243.74	4,692.27	4,648.62	43.65	107.508		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,044.90	5,040.61	23.69	21.55	34.24	-579.69	5,243.30	4,679.20	4,634.69	44.52	105.110		
5,200.00	5,145.77	5,162.53	5,158.23	24.16	22.05	34.38	-580.42	5,242.60	4,666.07	4,620.61	45.46	102.650		
5,300.00	5,244.59	5,260.77	5,256.46	24.62	22.46	34.50	-581.48	5,241.58	4,652.60	4,606.27	46.32	100.434		
5,400.00	5,343.42	5,361.46	5,357.14	25.09	22.89	34.63	-582.97	5,240.52	4,639.19	4,591.99	47.20	98.284		
5,500.00	5,442.24	5,472.57	5,468.24	25.56	23.36	34.75	-582.74	5,239.55	4,625.68	4,577.56	48.12	96.130		
5,600.00	5,541.06	5,581.34	5,576.99	26.03	23.82	34.88	-583.30	5,238.04	4,611.80	4,562.77	49.03	94.065		
5,700.00	5,639.89	5,652.14	5,647.75	26.50	24.12	34.98	-585.11	5,236.88	4,598.14	4,548.35	49.80	92.334		
5,800.00	5,738.71	5,717.00	5,712.60	26.96	24.39	35.07	-586.46	5,236.58	4,585.43	4,534.89	50.55	90.719		
5,900.00	5,837.53	5,812.42	5,808.01	27.43	24.79	35.20	-588.12	5,236.59	4,573.22	4,521.82	51.40	88.968		
6,000.00	5,936.35	5,907.72	5,903.28	27.90	25.19	35.33	-590.19	5,236.31	4,560.83	4,508.57	52.26	87.270		
6,100.00	6,035.18	5,985.00	5,980.56	28.37	25.52	35.42	-590.60	5,236.65	4,548.83	4,495.77	53.05	85.744		
6,200.00	6,134.00	6,122.71	6,118.26	28.84	26.10	35.58	-590.95	5,236.78	4,536.42	4,482.35	54.07	83.906		
6,300.00	6,232.82	6,218.73	6,214.27	29.31	26.51	35.71	-592.36	5,236.37	4,523.82	4,468.89	54.93	82.357		
6,400.00	6,331.64	6,277.93	6,273.47	29.77	26.76	35.77	-592.31	5,236.43	4,511.54	4,455.88	55.66	81.060		
6,477.15	6,407.89	6,307.58	6,303.11	30.14	26.88	35.80	-592.23	5,236.84	4,502.92	4,446.77	56.15	80.187		
6,500.00	6,430.52	6,316.38	6,311.92	30.24	26.92	42.00	-592.21	5,237.02	4,500.92	4,444.62	56.30	79.945		
6,542.65	6,472.98	6,342.00	6,337.53	30.43	27.02	68.80	-592.15	5,237.71	4,499.52	4,442.92	56.60	79.498 CC, ES		
6,550.00	6,480.31	6,342.00	6,337.53	30.46	27.02	77.35	-592.15	5,237.71	4,499.57	4,442.94	56.63	79.451		
6,600.00	6,530.22	6,342.00	6,337.53	30.66	27.02	145.73	-592.15	5,237.71	4,502.39	4,445.54	56.85	79.202		
6,650.00	6,579.93	6,342.00	6,337.53	30.85	27.02	170.59	-592.15	5,237.71	4,509.55	4,452.51	57.04	79.065		
6,700.00	6,629.13	6,377.72	6,373.21	31.04	27.17	179.26	-591.86	5,239.27	4,520.45	4,463.09	57.35	78.817		
6,750.00	6,677.53	6,390.56	6,386.02	31.23	27.22	-176.36	-591.66	5,240.04	4,535.60	4,478.04	57.56	78.797		
6,800.00	6,724.83	6,431.00	6,426.33	31.43	27.39	-173.59	-590.64	5,243.21	4,554.99	4,497.12	57.87	78.711 SF		
6,850.00	6,770.73	6,431.00	6,426.33	31.63	27.39	-171.47	-590.64	5,243.21	4,577.60	4,519.61	57.99	78.939		
6,900.00	6,814.95	6,431.00	6,426.33	31.84	27.39	-169.64	-590.64	5,243.21	4,603.92	4,545.83	58.09	79.257		
6,950.00	6,857.22	6,431.00	6,426.33	32.06	27.39	-167.89	-590.64	5,243.21	4,633.72	4,575.55	58.17	79.658		
7,000.00	6,897.28	6,431.00	6,426.33	32.29	27.39	-166.06	-590.64	5,243.21	4,666.75	4,608.51	58.24	80.136		
7,050.00	6,934.88	6,431.00	6,426.33	32.54	27.39	-164.03	-590.64	5,243.21	4,702.74	4,644.45	58.29	80.684		
7,100.00	6,969.79	6,431.00	6,426.33	32.81	27.39	-161.66	-590.64	5,243.21	4,741.40	4,683.08	58.32	81.295		
7,150.00	7,001.79	6,468.34	6,463.45	33.11	27.55	-159.02	-589.62	5,247.07	4,781.85	4,723.31	58.54	81.691		
7,200.00	7,030.69	6,474.19	6,469.25	33.44	27.57	-155.46	-589.49	5,247.75	4,824.75	4,766.16	58.59	82.352		
7,250.00	7,056.31	6,479.11	6,474.14	33.81	27.59	-150.78	-589.39	5,248.34	4,869.41	4,810.78	58.63	83.056		
7,300.00	7,078.48	6,483.09	6,478.09	34.21	27.61	-144.39	-589.32	5,248.83	4,915.51	4,856.85	58.66	83.794		
7,350.00	7,097.08	6,486.12	6,481.09	34.65	27.62	-135.38	-589.26	5,249.21	4,962.76	4,904.07	58.69	84.559		
7,400.00	7,112.00	6,520.00	6,514.66	35.12	27.76	-123.77	-588.79	5,253.80	5,011.26	4,952.38	58.87	85.118		
7,450.00	7,123.12	6,520.00	6,514.66	35.64	27.76	-106.79	-588.79	5,253.80	5,059.81	5,000.92	58.89	85.916		
7,500.00	7,130.40	6,520.00	6,514.66	36.19	27.76	-86.85	-588.79	5,253.80	5,108.59	5,049.68	58.92	86.709		
7,550.00	7,133.78	6,520.00	6,514.66	36.77	27.76	-68.18	-588.79	5,253.80	5,157.31	5,098.36	58.95	87.489		
7,574.97	7,134.00	6,520.00	6,514.66	37.06	27.76	-60.40	-588.79	5,253.80	5,181.52	5,122.55	58.97	87.872		
7,600.00	7,133.73	6,487.37	6,482.33	37.37	27.62	-59.20	-589.24	5,249.37	5,205.28	5,146.46	58.83	88.484		
7,700.00	7,132.66	6,484.25	6,479.24	38.71	27.61	-59.09	-589.29	5,248.98	5,302.01	5,243.10	58.91	90.009		
7,800.00	7,131.59	6,481.21	6,476.22	40.20	27.60	-58.98	-589.35	5,248.60	5,398.85	5,339.86	58.99	91.521		
7,900.00	7,130.52	6,478.25	6,473.29	41.84	27.59	-58.87	-589.41	5,248.24	5,495.79	5,436.71	59.08	93.019		
8,000.00	7,129.45	6,475.37	6,470.43	43.60	27.57	-58.77	-589.47	5,247.90	5,592.83	5,533.65	59.18	94.504		
8,100.00	7,128.38	6,472.56	6,467.64	45.47	27.56	-58.67	-589.53	5,247.56	5,689.97	5,630.69	59.28	95.979		
8,200.00	7,127.31	6,469.83	6,464.93	47.44	27.55	-58.57	-589.59	5,247.25	5,787.20	5,727.81	59.39	97.442		
8,300.00	7,126.24	6,467.16	6,462.27	49.49	27.54	-58.48	-589.65	5,246.94	5,884.52	5,825.02	59.50	98.894		
8,400.00	7,125.17	6,464.55	6,459.69	51.61	27.53	-58.38	-589.71	5,246.64	5,981.92	5,922.30	59.62	100.337		
8,500.00	7,124.10	6,431.00	6,426.33	53.81	27.39	-57.21	-590.64	5,243.21	6,079.79	6,020.18	59.60	102.008		
8,600.00	7,123.03	6,431.00	6,426.33	56.06	27.39	-57.21	-590.64	5,243.21	6,177.28	6,117.55	59.73	103.412		
8,700.00	7,121.96	6,431.00	6,426.33	58.36	27.39	-57.21	-590.64	5,243.21	6,274.85	6,214.99	59.87	104.809		
8,800.00	7,120.89	6,431.00	6,426.33	60.71	27.39	-57.21	-590.64	5,243.21	6,372.50	6,312.50	60.01	106.199		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 169-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,119.82	6,431.00	6,426.33	63.10	27.39	-57.21	-590.64	5,243.21	6,470.22	6,410.08	60.14	107.582		
9,000.00	7,118.75	6,431.00	6,426.33	65.53	27.39	-57.21	-590.64	5,243.21	6,568.01	6,507.73	60.28	108.958		
9,100.00	7,117.68	6,431.00	6,426.33	67.98	27.39	-57.21	-590.64	5,243.21	6,665.87	6,605.45	60.42	110.327		
9,200.00	7,116.61	6,431.00	6,426.33	70.47	27.39	-57.21	-590.64	5,243.21	6,763.79	6,703.23	60.56	111.691		
9,300.00	7,115.54	6,431.00	6,426.33	72.98	27.39	-57.21	-590.64	5,243.21	6,861.76	6,801.07	60.70	113.049		
9,400.00	7,114.47	6,431.00	6,426.33	75.52	27.39	-57.21	-590.64	5,243.21	6,959.80	6,898.96	60.84	114.401		
9,500.00	7,113.40	6,431.00	6,426.33	78.08	27.39	-57.21	-590.64	5,243.21	7,057.89	6,996.91	60.98	115.748		
9,600.00	7,112.33	6,431.00	6,426.33	80.65	27.39	-57.21	-590.64	5,243.21	7,156.03	7,094.92	61.12	117.089		
9,700.00	7,111.26	6,431.00	6,426.33	83.25	27.39	-57.21	-590.64	5,243.21	7,254.23	7,192.97	61.26	118.426		
9,800.00	7,110.19	6,431.00	6,426.33	85.86	27.39	-57.21	-590.64	5,243.21	7,352.47	7,291.08	61.39	119.758		
9,900.00	7,109.12	6,431.00	6,426.33	88.48	27.39	-57.21	-590.64	5,243.21	7,450.76	7,389.23	61.53	121.085		
10,000.00	7,108.04	6,431.00	6,426.33	91.12	27.39	-57.21	-590.64	5,243.21	7,549.09	7,487.42	61.67	122.407		
10,100.00	7,106.97	6,431.00	6,426.33	93.77	27.39	-57.21	-590.64	5,243.21	7,647.47	7,585.66	61.81	123.726		
10,200.00	7,105.90	6,431.00	6,426.33	96.43	27.39	-57.21	-590.64	5,243.21	7,745.89	7,683.94	61.95	125.039		
10,300.00	7,104.83	6,431.00	6,426.33	99.10	27.39	-57.21	-590.64	5,243.21	7,844.35	7,782.26	62.08	126.349		
10,400.00	7,103.76	6,431.00	6,426.33	101.78	27.39	-57.21	-590.64	5,243.21	7,942.85	7,880.63	62.22	127.654		
10,500.00	7,102.69	6,431.00	6,426.33	104.47	27.39	-57.21	-590.64	5,243.21	8,041.38	7,979.02	62.36	128.956		
10,600.00	7,101.62	6,431.00	6,426.33	107.16	27.39	-57.21	-590.64	5,243.21	8,139.95	8,077.46	62.49	130.253		
10,700.00	7,100.55	6,431.00	6,426.33	109.87	27.39	-57.21	-590.64	5,243.21	8,238.56	8,175.93	62.63	131.547		
10,800.00	7,099.48	6,431.00	6,426.33	112.58	27.39	-57.21	-590.64	5,243.21	8,337.20	8,274.43	62.76	132.836		
10,900.00	7,098.41	6,431.00	6,426.33	115.29	27.39	-57.21	-590.64	5,243.21	8,435.87	8,372.97	62.90	134.122		
11,000.00	7,097.34	6,431.00	6,426.33	118.02	27.39	-57.21	-590.64	5,243.21	8,534.57	8,471.54	63.03	135.404		
11,100.00	7,096.27	6,431.00	6,426.33	120.74	27.39	-57.21	-590.64	5,243.21	8,633.30	8,570.13	63.16	136.683		
11,200.00	7,095.20	6,431.00	6,426.33	123.48	27.39	-57.21	-590.64	5,243.21	8,732.06	8,668.76	63.30	137.957		
11,300.00	7,094.13	6,431.00	6,426.33	126.22	27.39	-57.21	-590.64	5,243.21	8,830.85	8,767.42	63.43	139.228		
11,400.00	7,093.06	6,431.00	6,426.33	128.96	27.39	-57.21	-590.64	5,243.21	8,929.66	8,866.10	63.56	140.496		
11,500.00	7,091.99	6,431.00	6,426.33	131.71	27.39	-57.21	-590.64	5,243.21	9,028.50	8,964.81	63.69	141.760		
11,600.00	7,090.92	6,431.00	6,426.33	134.46	27.39	-57.21	-590.64	5,243.21	9,127.37	9,063.55	63.82	143.020		
11,700.00	7,089.85	6,431.00	6,426.33	137.21	27.39	-57.21	-590.64	5,243.21	9,226.26	9,162.31	63.95	144.277		
11,800.00	7,088.78	6,431.00	6,426.33	139.97	27.39	-57.21	-590.64	5,243.21	9,325.17	9,261.09	64.08	145.530		
11,900.00	7,087.71	6,431.00	6,426.33	142.73	27.39	-57.21	-590.64	5,243.21	9,424.11	9,359.90	64.21	146.780		
12,000.00	7,086.64	6,431.00	6,426.33	145.50	27.39	-57.21	-590.64	5,243.21	9,523.07	9,458.74	64.33	148.026		
12,100.00	7,085.57	6,431.00	6,426.33	148.26	27.39	-57.21	-590.64	5,243.21	9,622.05	9,557.59	64.46	149.269		
12,200.00	7,084.50	6,431.00	6,426.33	151.03	27.39	-57.21	-590.64	5,243.21	9,721.05	9,656.46	64.59	150.509		
12,300.00	7,083.43	6,431.00	6,426.33	153.81	27.39	-57.21	-590.64	5,243.21	9,820.07	9,755.36	64.71	151.745		
12,400.00	7,082.36	6,431.00	6,426.33	156.58	27.39	-57.21	-590.64	5,243.21	9,919.12	9,854.27	64.84	152.977		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.23	-665.01	5,244.15	5,286.20					
100.00	100.00	91.10	91.10	3.28	3.29	97.24	-665.87	5,243.93	5,286.06	5,279.48	6.57	804.270		
200.00	200.00	205.50	205.47	3.34	3.36	97.26	-667.94	5,243.09	5,285.54	5,278.84	6.70	789.168		
300.00	300.00	291.14	291.10	3.44	3.46	97.28	-669.31	5,242.59	5,285.16	5,278.26	6.91	765.183		
400.00	399.98	388.14	388.09	3.60	3.62	30.67	-670.76	5,242.18	5,283.43	5,276.20	7.22	731.480		
500.00	499.84	535.62	535.55	3.80	3.94	30.79	-672.89	5,241.25	5,278.60	5,270.85	7.74	681.568		
600.00	599.45	677.20	676.99	4.05	4.32	31.01	-678.04	5,238.14	5,269.32	5,260.95	8.37	629.563		
700.00	698.70	742.00	741.62	4.32	4.52	31.23	-682.39	5,236.47	5,257.22	5,248.38	8.84	594.740		
740.00	738.27	766.71	766.25	4.45	4.60	31.33	-684.38	5,235.90	5,251.75	5,242.71	9.04	581.035		
800.00	797.57	795.79	795.22	4.63	4.70	31.38	-686.76	5,235.38	5,243.48	5,234.16	9.32	562.894		
900.00	896.39	837.00	836.29	4.96	4.84	31.46	-690.22	5,234.92	5,230.48	5,220.70	9.77	535.143		
1,000.00	995.21	884.31	883.41	5.32	5.00	31.54	-694.43	5,234.84	5,218.53	5,208.24	10.28	507.606		
1,100.00	1,094.03	930.00	928.88	5.69	5.16	31.63	-698.82	5,235.28	5,207.71	5,196.90	10.80	482.067		
1,200.00	1,192.86	930.00	928.88	6.07	5.16	31.63	-698.82	5,235.28	5,198.31	5,187.13	11.18	464.972		
1,300.00	1,291.68	988.72	987.28	6.47	5.38	31.75	-704.75	5,236.89	5,189.78	5,178.00	11.78	440.580		
1,400.00	1,390.50	1,025.00	1,023.33	6.88	5.51	31.82	-708.47	5,238.60	5,182.81	5,170.50	12.31	421.028		
1,500.00	1,489.33	1,500.00	1,307.64	7.29	7.35	32.26	-727.25	5,249.47	5,174.38	5,159.85	14.53	356.220		
1,600.00	1,588.15	1,363.93	1,361.30	7.71	6.80	32.33	-729.53	5,250.90	5,164.77	5,150.38	14.39	358.790		
1,700.00	1,686.97	1,423.16	1,420.42	8.14	7.03	32.41	-732.27	5,253.14	5,156.21	5,141.17	15.04	342.790		
1,800.00	1,785.79	1,517.37	1,514.37	8.57	7.42	32.56	-738.24	5,256.83	5,148.12	5,132.29	15.84	325.077		
1,900.00	1,884.62	1,628.74	1,625.47	9.01	7.88	32.72	-744.75	5,260.98	5,139.80	5,123.09	16.71	307.563		
2,000.00	1,983.44	1,788.17	1,784.60	9.45	8.54	32.95	-753.04	5,266.10	5,130.91	5,113.13	17.79	288.478		
2,100.00	2,082.26	1,860.77	1,857.09	9.89	8.84	33.05	-756.26	5,268.28	5,121.73	5,103.21	18.52	276.623		
2,200.00	2,181.09	1,947.68	1,943.85	10.33	9.21	33.18	-760.48	5,271.15	5,112.93	5,093.62	19.31	264.804		
2,300.00	2,279.91	1,996.83	1,992.89	10.78	9.42	33.25	-763.03	5,273.05	5,104.76	5,084.81	19.95	255.864		
2,400.00	2,378.73	2,053.61	2,049.53	11.23	9.66	33.33	-766.10	5,275.79	5,097.57	5,076.94	20.63	247.134		
2,500.00	2,477.55	2,150.47	2,146.14	11.68	10.07	33.46	-770.75	5,280.92	5,090.80	5,069.33	21.47	237.114		
2,600.00	2,576.38	2,268.20	2,263.53	12.13	10.58	33.64	-777.40	5,286.81	5,083.94	5,061.53	22.41	226.867		
2,700.00	2,675.20	2,369.14	2,364.11	12.59	11.03	33.81	-784.65	5,291.19	5,076.73	5,053.44	23.29	217.986		
2,800.00	2,774.02	2,473.88	2,468.51	13.04	11.50	33.98	-791.71	5,295.96	5,069.70	5,045.51	24.19	209.600		
2,900.00	2,872.85	2,582.43	2,576.78	13.50	11.98	34.14	-797.88	5,300.82	5,062.43	5,037.33	25.10	201.691		
3,000.00	2,971.67	2,766.58	2,760.45	13.96	12.81	34.44	-809.75	5,306.17	5,053.40	5,027.06	26.34	191.823		
3,100.00	3,070.49	2,892.64	2,886.09	14.41	13.38	34.67	-819.76	5,308.66	5,044.22	5,016.87	27.35	184.437		
3,200.00	3,169.31	3,020.17	3,013.39	14.87	13.95	34.87	-826.95	5,311.09	5,034.59	5,006.24	28.35	177.584		
3,300.00	3,268.14	3,300.00	3,191.59	15.33	15.15	35.12	-833.65	5,313.11	5,023.86	4,993.88	29.98	167.575		
3,400.00	3,366.96	3,325.93	3,318.98	15.79	15.26	35.27	-835.17	5,313.56	5,011.84	4,981.32	30.52	164.228		
3,500.00	3,465.78	3,428.44	3,421.50	16.25	15.68	35.38	-835.83	5,313.81	4,999.67	4,968.28	31.39	159.269		
3,600.00	3,564.61	3,497.00	3,490.05	16.72	15.97	35.45	-836.16	5,314.25	4,987.88	4,955.75	32.13	155.218		
3,700.00	3,663.43	3,579.83	3,572.87	17.18	16.31	35.54	-836.51	5,315.19	4,976.57	4,943.64	32.93	151.129		
3,800.00	3,762.25	3,693.65	3,686.69	17.64	16.78	35.66	-836.78	5,316.52	4,965.26	4,931.43	33.84	146.736		
3,900.00	3,861.07	3,786.83	3,779.86	18.10	17.16	35.75	-836.72	5,317.60	4,953.91	4,919.24	34.67	142.898		
4,000.00	3,959.90	3,892.44	3,885.46	18.57	17.59	35.86	-836.76	5,318.86	4,942.62	4,907.08	35.54	139.053		
4,100.00	4,058.72	4,007.97	4,000.99	19.03	18.06	35.98	-836.73	5,319.85	4,931.00	4,894.54	36.46	135.236		
4,200.00	4,157.54	4,083.78	4,076.80	19.50	18.39	36.06	-837.27	5,320.38	4,919.44	4,882.20	37.24	132.093		
4,300.00	4,256.37	4,239.37	4,232.36	19.96	19.05	36.25	-839.21	5,321.21	4,907.93	4,869.60	38.33	128.045		
4,400.00	4,355.19	4,338.63	4,331.62	20.43	19.46	36.35	-839.37	5,321.20	4,895.57	4,856.38	39.19	124.910		
4,500.00	4,454.01	4,438.02	4,431.01	20.89	19.86	36.46	-839.39	5,321.19	4,883.21	4,843.17	40.04	121.944		
4,600.00	4,552.83	4,572.11	4,565.10	21.36	20.39	36.60	-839.27	5,320.87	4,870.66	4,829.64	41.01	118.758		
4,700.00	4,651.66	4,676.27	4,669.26	21.82	20.80	36.72	-839.06	5,320.07	4,857.54	4,815.66	41.87	116.008		
4,800.00	4,750.48	4,763.02	4,756.00	22.29	21.14	36.81	-838.87	5,319.45	4,844.49	4,801.82	42.67	113.521		
4,900.00	4,849.30	4,838.31	4,831.30	22.76	21.44	36.89	-838.64	5,319.24	4,831.86	4,788.42	43.44	111.236		
5,000.00	4,948.13	4,927.73	4,920.72	23.22	21.79	36.98	-838.11	5,319.38	4,819.58	4,775.34	44.25	108.922		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,050.95	5,043.94	23.69	22.27	37.11	-837.26	5,319.32	4,807.11	4,761.93	45.17	106.416		
5,200.00	5,145.77	5,159.04	5,152.02	24.16	22.70	37.23	-837.00	5,318.81	4,794.35	4,748.30	46.05	104.106		
5,300.00	5,244.59	5,245.45	5,238.43	24.62	23.06	37.33	-837.12	5,318.28	4,781.58	4,734.71	46.87	102.018		
5,400.00	5,343.42	5,333.78	5,326.75	25.09	23.43	37.44	-837.72	5,317.97	4,769.18	4,721.48	47.70	99.974		
5,500.00	5,442.24	5,451.14	5,444.11	25.56	23.92	37.58	-838.80	5,317.39	4,756.74	4,708.10	48.64	97.787		
5,600.00	5,541.06	5,592.50	5,585.43	26.03	24.49	37.72	-836.49	5,316.27	4,743.34	4,693.70	49.64	95.560		
5,700.00	5,639.89	5,681.19	5,674.10	26.50	24.84	37.80	-834.45	5,315.59	4,729.90	4,679.45	50.45	93.753		
5,800.00	5,738.71	5,766.23	5,759.13	26.96	25.18	37.88	-833.30	5,314.91	4,716.66	4,665.41	51.26	92.023		
5,900.00	5,837.53	5,855.67	5,848.56	27.43	25.54	37.98	-832.91	5,314.32	4,703.80	4,651.71	52.08	90.317		
6,000.00	5,936.35	5,957.85	5,950.74	27.90	25.97	38.11	-833.32	5,313.40	4,690.92	4,637.96	52.96	88.575		
6,100.00	6,035.18	6,046.83	6,039.71	28.37	26.34	38.23	-834.00	5,312.55	4,678.11	4,624.31	53.80	86.954		
6,200.00	6,134.00	6,151.80	6,144.67	28.84	26.79	38.37	-835.33	5,311.59	4,665.49	4,610.79	54.70	85.293		
6,300.00	6,232.82	6,218.77	6,211.63	29.31	27.07	38.46	-836.20	5,311.00	4,652.98	4,597.51	55.46	83.893		
6,400.00	6,331.64	6,318.04	6,310.90	29.77	27.49	38.58	-836.28	5,311.27	4,641.23	4,584.90	56.34	82.385		
6,477.15	6,407.89	6,375.19	6,368.05	30.14	27.73	38.64	-836.36	5,311.17	4,631.92	4,574.98	56.94	81.347		
6,500.00	6,430.52	6,384.84	6,377.70	30.24	27.77	44.83	-836.36	5,311.22	4,629.69	4,572.59	57.09	81.091		
6,548.88	6,479.19	6,405.59	6,398.45	30.45	27.86	78.75	-836.33	5,311.44	4,627.74	4,570.33	57.41	80.609 CC		
6,550.00	6,480.31	6,406.06	6,398.92	30.46	27.86	80.16	-836.33	5,311.44	4,627.74	4,570.33	57.42	80.599 ES		
6,600.00	6,530.22	6,438.00	6,430.85	30.66	27.99	148.54	-836.22	5,312.04	4,629.90	4,572.14	57.76	80.155		
6,650.00	6,579.93	6,438.00	6,430.85	30.85	27.99	173.41	-836.22	5,312.04	4,636.07	4,578.10	57.97	79.975		
6,700.00	6,629.13	6,438.00	6,430.85	31.04	27.99	-177.89	-836.22	5,312.04	4,646.46	4,588.30	58.16	79.895		
6,750.00	6,677.53	6,438.00	6,430.85	31.23	27.99	-173.46	-836.22	5,312.04	4,660.98	4,602.65	58.32	79.915		
6,800.00	6,724.83	6,474.43	6,467.25	31.43	28.14	-170.61	-835.97	5,313.47	4,678.84	4,620.22	58.62	79.816 SF		
6,850.00	6,770.73	6,484.06	6,476.87	31.63	28.18	-168.41	-835.87	5,314.03	4,700.82	4,642.02	58.79	79.956		
6,900.00	6,814.95	6,493.21	6,486.00	31.84	28.22	-166.50	-835.77	5,314.64	4,726.37	4,667.43	58.95	80.181		
6,950.00	6,857.22	6,527.00	6,519.66	32.06	28.36	-164.71	-835.32	5,317.48	4,755.63	4,696.44	59.19	80.347		
7,000.00	6,897.28	6,527.00	6,519.66	32.29	28.36	-162.76	-835.32	5,317.48	4,787.56	4,728.29	59.27	80.771		
7,050.00	6,934.88	6,527.00	6,519.66	32.54	28.36	-160.58	-835.32	5,317.48	4,822.48	4,763.14	59.34	81.265		
7,100.00	6,969.79	6,527.00	6,519.66	32.81	28.36	-158.04	-835.32	5,317.48	4,860.10	4,800.70	59.40	81.822		
7,150.00	7,001.79	6,527.00	6,519.66	33.11	28.36	-154.96	-835.32	5,317.48	4,900.14	4,840.70	59.44	82.434		
7,200.00	7,030.69	6,527.00	6,519.66	33.44	28.36	-151.11	-835.32	5,317.48	4,942.30	4,882.82	59.48	83.092		
7,250.00	7,056.31	6,527.00	6,519.66	33.81	28.36	-146.15	-835.32	5,317.48	4,986.25	4,926.74	59.51	83.789		
7,300.00	7,078.48	6,527.00	6,519.66	34.21	28.36	-139.61	-835.32	5,317.48	5,031.70	4,972.16	59.54	84.515		
7,350.00	7,097.08	6,527.00	6,519.66	34.65	28.36	-130.84	-835.32	5,317.48	5,078.31	5,018.75	59.56	85.261		
7,400.00	7,112.00	6,527.00	6,519.66	35.12	28.36	-119.16	-835.32	5,317.48	5,125.79	5,066.20	59.59	86.020		
7,450.00	7,123.12	6,527.00	6,519.66	35.64	28.36	-104.43	-835.32	5,317.48	5,173.81	5,114.19	59.62	86.783		
7,500.00	7,130.40	6,527.00	6,519.66	36.19	28.36	-87.88	-835.32	5,317.48	5,222.06	5,162.41	59.65	87.540		
7,550.00	7,133.78	6,527.00	6,519.66	36.77	28.36	-72.07	-835.32	5,317.48	5,270.26	5,210.56	59.70	88.286		
7,574.97	7,134.00	6,527.00	6,519.66	37.06	28.36	-65.13	-835.32	5,317.48	5,294.21	5,234.49	59.72	88.651		
7,600.00	7,133.73	6,527.00	6,519.66	37.37	28.36	-65.13	-835.32	5,317.48	5,318.17	5,258.42	59.75	89.014		
7,700.00	7,132.66	6,527.00	6,519.66	38.71	28.36	-65.13	-835.32	5,317.48	5,413.99	5,354.13	59.86	90.446		
7,800.00	7,131.59	6,527.00	6,519.66	40.20	28.36	-65.13	-835.32	5,317.48	5,509.95	5,449.97	59.98	91.859		
7,900.00	7,130.52	6,527.00	6,519.66	41.84	28.36	-65.13	-835.32	5,317.48	5,606.06	5,545.95	60.11	93.256		
8,000.00	7,129.45	6,527.00	6,519.66	43.60	28.36	-65.13	-835.32	5,317.48	5,702.30	5,642.05	60.25	94.638		
8,100.00	7,128.38	6,527.00	6,519.66	45.47	28.36	-65.13	-835.32	5,317.48	5,798.67	5,738.27	60.40	96.005		
8,200.00	7,127.31	6,527.00	6,519.66	47.44	28.36	-65.13	-835.32	5,317.48	5,895.16	5,834.61	60.55	97.358		
8,300.00	7,126.24	6,527.00	6,519.66	49.49	28.36	-65.13	-835.32	5,317.48	5,991.77	5,931.06	60.71	98.699		
8,400.00	7,125.17	6,527.00	6,519.66	51.61	28.36	-65.13	-835.32	5,317.48	6,088.48	6,027.62	60.87	100.028		
8,500.00	7,124.10	6,527.00	6,519.66	53.81	28.36	-65.13	-835.32	5,317.48	6,185.30	6,124.27	61.03	101.346		
8,600.00	7,123.03	6,527.00	6,519.66	56.06	28.36	-65.13	-835.32	5,317.48	6,282.22	6,221.03	61.20	102.654		
8,700.00	7,121.96	6,527.00	6,519.66	58.36	28.36	-65.13	-835.32	5,317.48	6,379.24	6,317.87	61.37	103.952		
8,800.00	7,120.89	6,527.00	6,519.66	60.71	28.36	-65.13	-835.32	5,317.48	6,476.34	6,414.81	61.54	105.242		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 80-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,119.82	6,527.00	6,519.66	63.10	28.36	-65.13	-835.32	5,317.48	6,573.54	6,511.82	61.71	106.523		
9,000.00	7,118.75	6,527.00	6,519.66	65.53	28.36	-65.13	-835.32	5,317.48	6,670.81	6,608.93	61.88	107.796		
9,100.00	7,117.68	6,527.00	6,519.66	67.98	28.36	-65.13	-835.32	5,317.48	6,768.16	6,706.11	62.06	109.061		
9,200.00	7,116.61	6,527.00	6,519.66	70.47	28.36	-65.13	-835.32	5,317.48	6,865.59	6,803.36	62.23	110.320		
9,300.00	7,115.54	6,527.00	6,519.66	72.98	28.36	-65.13	-835.32	5,317.48	6,963.10	6,900.69	62.41	111.572		
9,400.00	7,114.47	6,527.00	6,519.66	75.52	28.36	-65.13	-835.32	5,317.48	7,060.67	6,998.09	62.58	112.818		
9,500.00	7,113.40	6,527.00	6,519.66	78.08	28.36	-65.13	-835.32	5,317.48	7,158.31	7,095.55	62.76	114.058		
9,600.00	7,112.33	6,527.00	6,519.66	80.65	28.36	-65.13	-835.32	5,317.48	7,256.02	7,193.08	62.94	115.293		
9,700.00	7,111.26	6,527.00	6,519.66	83.25	28.36	-65.13	-835.32	5,317.48	7,353.78	7,290.67	63.11	116.522		
9,800.00	7,110.19	6,527.00	6,519.66	85.86	28.36	-65.13	-835.32	5,317.48	7,451.61	7,388.32	63.29	117.746		
9,900.00	7,109.12	6,527.00	6,519.66	88.48	28.36	-65.13	-835.32	5,317.48	7,549.49	7,486.03	63.46	118.965		
10,000.00	7,108.04	6,527.00	6,519.66	91.12	28.36	-65.13	-835.32	5,317.48	7,647.43	7,583.79	63.63	120.180		
10,100.00	7,106.97	6,527.00	6,519.66	93.77	28.36	-65.13	-835.32	5,317.48	7,745.42	7,681.61	63.81	121.390		
10,200.00	7,105.90	6,527.00	6,519.66	96.43	28.36	-65.13	-835.32	5,317.48	7,843.46	7,779.48	63.98	122.597		
10,300.00	7,104.83	6,527.00	6,519.66	99.10	28.36	-65.13	-835.32	5,317.48	7,941.55	7,877.40	64.15	123.799		
10,400.00	7,103.76	6,527.00	6,519.66	101.78	28.36	-65.13	-835.32	5,317.48	8,039.68	7,975.36	64.32	124.997		
10,500.00	7,102.69	6,527.00	6,519.66	104.47	28.36	-65.13	-835.32	5,317.48	8,137.87	8,073.38	64.49	126.191		
10,600.00	7,101.62	6,527.00	6,519.66	107.16	28.36	-65.13	-835.32	5,317.48	8,236.09	8,171.43	64.66	127.382		
10,700.00	7,100.55	6,527.00	6,519.66	109.87	28.36	-65.13	-835.32	5,317.48	8,334.36	8,269.53	64.82	128.569		
10,800.00	7,099.48	6,527.00	6,519.66	112.58	28.36	-65.13	-835.32	5,317.48	8,432.67	8,367.68	64.99	129.752		
10,900.00	7,098.41	6,527.00	6,519.66	115.29	28.36	-65.13	-835.32	5,317.48	8,531.02	8,465.86	65.16	130.933		
11,000.00	7,097.34	6,527.00	6,519.66	118.02	28.36	-65.13	-835.32	5,317.48	8,629.40	8,564.08	65.32	132.109		
11,100.00	7,096.27	6,527.00	6,519.66	120.74	28.36	-65.13	-835.32	5,317.48	8,727.82	8,662.34	65.48	133.283		
11,200.00	7,095.20	6,527.00	6,519.66	123.48	28.36	-65.13	-835.32	5,317.48	8,826.28	8,760.64	65.65	134.454		
11,300.00	7,094.13	6,527.00	6,519.66	126.22	28.36	-65.13	-835.32	5,317.48	8,924.77	8,858.97	65.81	135.621		
11,400.00	7,093.06	6,527.00	6,519.66	128.96	28.36	-65.13	-835.32	5,317.48	9,023.30	8,957.33	65.97	136.785		
11,500.00	7,091.99	6,488.59	6,481.38	131.71	28.20	-63.86	-835.82	5,314.32	9,121.18	9,055.17	66.00	138.191		
11,600.00	7,090.92	6,487.68	6,480.48	134.46	28.20	-63.83	-835.83	5,314.26	9,219.73	9,153.57	66.16	139.355		
11,700.00	7,089.85	6,486.79	6,479.59	137.21	28.20	-63.80	-835.84	5,314.21	9,318.32	9,252.00	66.31	140.516		
11,800.00	7,088.78	6,485.92	6,478.72	139.97	28.19	-63.77	-835.85	5,314.15	9,416.93	9,350.47	66.47	141.674		
11,900.00	7,087.71	6,485.07	6,477.87	142.73	28.19	-63.74	-835.86	5,314.09	9,515.58	9,448.96	66.62	142.829		
12,000.00	7,086.64	6,484.23	6,477.03	145.50	28.19	-63.72	-835.87	5,314.04	9,614.25	9,547.48	66.77	143.981		
12,100.00	7,085.57	6,483.41	6,476.21	148.26	28.18	-63.69	-835.88	5,313.99	9,712.95	9,646.02	66.93	145.130		
12,200.00	7,084.50	6,482.60	6,475.41	151.03	28.18	-63.66	-835.89	5,313.94	9,811.67	9,744.60	67.08	146.276		
12,300.00	7,083.43	6,481.81	6,474.62	153.81	28.18	-63.64	-835.89	5,313.89	9,910.42	9,843.19	67.23	147.420		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.86	-634.76	5,278.94	5,317.02					
100.00	100.00	87.23	87.23	3.28	3.29	96.86	-634.75	5,278.86	5,316.90	5,310.33	6.57	809.233		
200.00	200.00	187.19	187.19	3.34	3.34	96.85	-634.54	5,278.70	5,316.72	5,310.04	6.68	795.941		
300.00	300.00	287.36	287.35	3.44	3.45	96.85	-634.00	5,278.56	5,316.51	5,309.61	6.90	770.685		
400.00	399.98	389.51	389.51	3.60	3.62	30.22	-633.69	5,278.45	5,314.86	5,307.64	7.22	736.242		
500.00	499.84	506.43	506.42	3.80	3.86	30.31	-633.89	5,277.84	5,309.82	5,302.16	7.66	693.317		
600.00	599.45	588.77	588.76	4.05	4.05	30.43	-634.11	5,277.44	5,301.85	5,293.76	8.09	655.009		
700.00	698.70	659.03	659.02	4.32	4.24	30.58	-633.48	5,277.53	5,291.36	5,282.81	8.55	618.770		
740.00	738.27	684.68	684.66	4.45	4.31	30.64	-633.02	5,277.71	5,286.50	5,277.76	8.74	604.745		
800.00	797.57	723.17	723.14	4.63	4.41	30.67	-632.10	5,278.12	5,279.04	5,270.01	9.03	584.430		
900.00	896.39	829.80	829.67	4.96	4.74	30.71	-627.83	5,279.74	5,266.87	5,257.19	9.67	544.438		
1,000.00	995.21	923.32	922.94	5.32	5.04	30.72	-621.22	5,281.38	5,254.54	5,244.22	10.32	509.210		
1,100.00	1,094.03	1,015.99	1,015.11	5.69	5.36	30.69	-611.84	5,283.48	5,242.34	5,231.34	11.00	476.628		
1,200.00	1,192.86	1,120.26	1,118.53	6.07	5.75	30.63	-598.88	5,286.16	5,230.17	5,218.41	11.76	444.874		
1,300.00	1,291.68	1,230.22	1,227.55	6.47	6.18	30.57	-584.85	5,289.07	5,218.05	5,205.48	12.57	415.104		
1,400.00	1,390.50	1,398.95	1,394.75	6.88	6.88	30.46	-562.32	5,291.55	5,204.51	5,190.86	13.66	381.119		
1,500.00	1,489.33	1,568.94	1,563.61	7.29	7.60	30.39	-542.84	5,291.24	5,189.52	5,174.75	14.77	351.373		
1,600.00	1,588.15	1,646.90	1,641.01	7.71	7.95	30.36	-533.49	5,291.01	5,174.61	5,159.09	15.52	333.468		
1,700.00	1,686.97	1,701.89	1,695.47	8.14	8.19	30.32	-525.86	5,291.27	5,160.27	5,144.09	16.18	318.936		
1,800.00	1,785.79	1,762.00	1,754.99	8.57	8.47	30.28	-517.54	5,292.28	5,146.97	5,130.10	16.87	305.037		
1,900.00	1,884.62	1,801.49	1,794.06	9.01	8.65	30.25	-511.94	5,293.34	5,134.57	5,117.08	17.48	293.677		
2,000.00	1,983.44	2,000.00	1,910.19	9.45	9.60	30.14	-493.65	5,296.98	5,122.62	5,103.77	18.85	271.733		
2,100.00	2,082.26	2,007.45	1,997.44	9.89	9.64	30.06	-480.02	5,299.12	5,110.06	5,090.75	19.31	264.591		
2,200.00	2,181.09	2,057.62	2,047.06	10.33	9.88	30.02	-472.75	5,300.81	5,098.49	5,078.50	19.99	255.064		
2,300.00	2,279.91	2,113.56	2,102.39	10.78	10.15	29.98	-464.84	5,303.16	5,087.79	5,067.10	20.69	245.862		
2,400.00	2,378.73	2,252.44	2,239.89	11.23	10.81	29.88	-446.09	5,308.49	5,076.70	5,054.91	21.79	233.002		
2,500.00	2,477.55	2,315.00	2,301.83	11.68	11.11	29.84	-437.81	5,311.42	5,066.38	5,043.85	22.53	224.887		
2,600.00	2,576.38	2,600.00	2,398.26	12.13	12.51	29.76	-424.60	5,315.85	5,056.11	5,031.76	24.35	207.601		
2,700.00	2,675.20	2,467.61	2,452.81	12.59	11.86	29.72	-416.73	5,318.32	5,045.98	5,021.83	24.15	208.900		
2,800.00	2,774.02	2,800.00	2,541.03	13.04	13.53	29.64	-403.61	5,323.55	5,036.88	5,010.62	26.26	191.817		
2,900.00	2,872.85	2,737.73	2,719.78	13.50	13.21	29.49	-377.93	5,331.91	5,026.46	5,000.09	26.37	190.616		
3,000.00	2,971.67	2,877.48	2,858.28	13.96	13.90	29.40	-360.04	5,336.91	5,015.37	4,987.89	27.49	182.463		
3,100.00	3,070.49	3,000.99	2,981.27	14.41	14.46	29.38	-349.38	5,340.22	5,003.86	4,975.38	28.48	175.678		
3,200.00	3,169.31	3,136.05	3,116.18	14.87	15.03	29.43	-343.58	5,341.83	4,991.16	4,961.67	29.49	169.273		
3,300.00	3,268.14	3,234.95	3,215.07	15.33	15.40	29.52	-344.06	5,342.41	4,978.43	4,948.14	30.30	164.312		
3,400.00	3,366.96	3,390.07	3,370.16	15.79	15.95	29.69	-346.92	5,342.00	4,964.97	4,933.69	31.28	158.745		
3,500.00	3,465.78	3,532.00	3,512.08	16.25	16.48	29.83	-347.91	5,340.62	4,950.79	4,918.56	32.23	153.592		
3,600.00	3,564.61	3,619.18	3,599.24	16.72	16.82	29.91	-347.76	5,339.22	4,935.92	4,902.90	33.02	149.473		
3,700.00	3,663.43	3,675.00	3,655.07	17.18	17.04	29.96	-347.54	5,338.93	4,922.00	4,888.29	33.71	146.025		
3,800.00	3,762.25	3,796.81	3,776.88	17.64	17.53	30.06	-346.93	5,338.59	4,908.42	4,873.79	34.63	141.742		
3,900.00	3,861.07	3,916.77	3,896.83	18.10	18.00	30.17	-346.67	5,337.28	4,894.02	4,858.48	35.54	137.706		
4,000.00	3,959.90	4,009.17	3,989.22	18.57	18.37	30.25	-346.34	5,336.25	4,879.62	4,843.27	36.36	134.216		
4,100.00	4,058.72	4,099.29	4,079.34	19.03	18.72	30.33	-346.29	5,335.36	4,865.39	4,828.23	37.16	130.917		
4,200.00	4,157.54	4,177.42	4,157.46	19.50	19.03	30.41	-346.71	5,334.75	4,851.45	4,813.52	37.93	127.921		
4,300.00	4,256.37	4,260.09	4,240.13	19.96	19.35	30.50	-347.27	5,334.46	4,837.95	4,799.25	38.70	125.007		
4,400.00	4,355.19	4,344.88	4,324.92	20.43	19.68	30.58	-347.45	5,334.42	4,824.72	4,785.23	39.49	122.185		
4,500.00	4,454.01	4,435.01	4,415.04	20.89	20.03	30.66	-347.57	5,334.68	4,811.80	4,771.51	40.29	119.418		
4,600.00	4,552.83	4,533.51	4,513.54	21.36	20.42	30.76	-347.71	5,334.99	4,798.94	4,757.80	41.13	116.670		
4,700.00	4,651.66	4,604.87	4,584.91	21.82	20.70	30.82	-347.62	5,335.35	4,786.28	4,744.40	41.88	114.280		
4,800.00	4,750.48	4,668.15	4,648.18	22.29	20.96	30.87	-346.98	5,336.31	4,774.44	4,731.83	42.61	112.060		
4,900.00	4,849.30	4,810.12	4,790.08	22.76	21.56	30.96	-343.62	5,338.76	4,762.76	4,719.12	43.64	109.142		
5,000.00	4,948.13	4,884.27	4,864.20	23.22	21.87	31.01	-341.65	5,339.60	4,750.45	4,706.04	44.41	106.963		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 79-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,005.38	4,985.28	23.69	22.36	31.13	-342.63	5,341.23	4,738.82	4,693.48	45.34	104.521		
5,200.00	5,145.77	5,150.85	5,130.70	24.16	22.92	31.32	-346.30	5,341.10	4,725.91	4,679.58	46.33	102.008		
5,300.00	5,244.59	5,260.72	5,240.56	24.62	23.35	31.45	-348.43	5,340.45	4,712.48	4,665.27	47.20	99.832		
5,400.00	5,343.42	5,387.05	5,366.86	25.09	23.85	31.61	-350.73	5,339.25	4,698.70	4,650.57	48.14	97.612		
5,500.00	5,442.24	5,484.74	5,464.53	25.56	24.24	31.72	-351.88	5,338.10	4,684.64	4,635.66	48.98	95.645		
5,600.00	5,541.06	5,548.00	5,527.79	26.03	24.50	31.79	-352.61	5,337.42	4,670.81	4,621.11	49.71	93.962		
5,700.00	5,639.89	5,612.13	5,591.90	26.50	24.75	31.87	-353.73	5,337.17	4,657.74	4,607.31	50.44	92.344		
5,800.00	5,738.71	5,685.84	5,665.59	26.96	25.04	31.97	-355.70	5,337.61	4,645.65	4,594.45	51.20	90.736		
5,900.00	5,837.53	5,817.24	5,796.92	27.43	25.56	32.15	-359.60	5,338.16	4,633.51	4,581.36	52.16	88.841		
6,000.00	5,936.35	6,011.64	5,991.26	27.90	26.34	32.41	-364.27	5,336.41	4,620.12	4,566.81	53.32	86.655		
6,100.00	6,035.18	6,095.57	6,075.17	28.37	26.68	32.51	-365.60	5,334.99	4,605.73	4,551.61	54.12	85.096		
6,200.00	6,134.00	6,166.98	6,146.57	28.84	26.98	32.60	-366.31	5,334.10	4,591.73	4,536.84	54.89	83.651		
6,300.00	6,232.82	6,262.00	6,241.57	29.31	27.37	32.71	-367.15	5,332.93	4,577.74	4,522.01	55.74	82.130		
6,400.00	6,331.64	6,328.42	6,307.98	29.77	27.64	32.79	-367.95	5,332.31	4,564.23	4,507.75	56.49	80.801		
6,477.15	6,407.89	6,370.94	6,350.51	30.14	27.81	32.84	-368.29	5,332.44	4,554.60	4,497.56	57.04	79.856		
6,500.00	6,430.52	6,385.75	6,365.32	30.24	27.87	32.90	-368.39	5,332.55	4,552.24	4,495.04	57.20	79.580		
6,550.00	6,480.31	6,418.34	6,397.90	30.46	28.01	74.40	-368.56	5,332.89	4,550.03	4,492.46	57.56	79.042		
6,552.43	6,482.74	6,419.92	6,399.49	30.47	28.01	77.57	-368.56	5,332.91	4,550.02	4,492.44	57.58	79.019 CC, ES		
6,600.00	6,530.22	6,441.00	6,420.56	30.66	28.10	142.76	-368.64	5,333.21	4,551.87	4,493.99	57.87	78.653		
6,650.00	6,579.93	6,441.00	6,420.56	30.85	28.10	167.57	-368.64	5,333.21	4,558.00	4,499.93	58.08	78.482		
6,700.00	6,629.13	6,472.10	6,451.64	31.04	28.23	176.18	-368.66	5,333.99	4,568.08	4,509.70	58.38	78.245		
6,750.00	6,677.53	6,485.15	6,464.69	31.23	28.28	-179.53	-368.62	5,334.49	4,582.38	4,523.78	58.60	78.198 SF		
6,800.00	6,724.83	6,497.80	6,477.32	31.43	28.34	-176.84	-368.55	5,335.08	4,600.67	4,541.87	58.80	78.244		
6,850.00	6,770.73	6,530.00	6,509.46	31.63	28.47	-174.89	-368.25	5,337.03	4,622.96	4,563.90	59.06	78.275		
6,900.00	6,814.95	6,530.00	6,509.46	31.84	28.47	-173.24	-368.25	5,337.03	4,648.62	4,589.45	59.17	78.561		
6,950.00	6,857.22	6,530.00	6,509.46	32.06	28.47	-171.72	-368.25	5,337.03	4,677.85	4,618.58	59.26	78.932		
7,000.00	6,897.28	6,530.00	6,509.46	32.29	28.47	-170.19	-368.25	5,337.03	4,710.40	4,651.06	59.34	79.383		
7,050.00	6,934.88	6,530.00	6,509.46	32.54	28.47	-168.52	-368.25	5,337.03	4,746.00	4,686.61	59.40	79.905		
7,100.00	6,969.79	6,530.00	6,509.46	32.81	28.47	-166.60	-368.25	5,337.03	4,784.37	4,724.94	59.44	80.493		
7,150.00	7,001.79	6,530.00	6,509.46	33.11	28.47	-164.27	-368.25	5,337.03	4,825.22	4,765.75	59.47	81.138		
7,200.00	7,030.69	6,530.00	6,509.46	33.44	28.47	-161.30	-368.25	5,337.03	4,868.22	4,808.73	59.49	81.832		
7,250.00	7,056.31	6,530.00	6,509.46	33.81	28.47	-157.34	-368.25	5,337.03	4,913.07	4,853.56	59.50	82.566		
7,300.00	7,078.48	6,530.00	6,509.46	34.21	28.47	-151.78	-368.25	5,337.03	4,959.43	4,899.92	59.51	83.332		
7,350.00	7,097.08	6,530.00	6,509.46	34.65	28.47	-143.54	-368.25	5,337.03	5,006.99	4,947.47	59.52	84.121		
7,400.00	7,112.00	6,530.00	6,509.46	35.12	28.47	-130.78	-368.25	5,337.03	5,055.42	4,995.89	59.53	84.923		
7,450.00	7,123.12	6,530.00	6,509.46	35.64	28.47	-111.32	-368.25	5,337.03	5,104.41	5,044.87	59.54	85.731		
7,500.00	7,130.40	6,530.00	6,509.46	36.19	28.47	-86.36	-368.25	5,337.03	5,153.63	5,094.07	59.55	86.536		
7,550.00	7,133.78	6,530.00	6,509.46	36.77	28.47	-63.51	-368.25	5,337.03	5,202.79	5,143.21	59.58	87.328		
7,574.97	7,134.00	6,530.00	6,509.46	37.06	28.47	-54.70	-368.25	5,337.03	5,227.22	5,167.63	59.59	87.718		
7,600.00	7,133.73	6,530.00	6,509.46	37.37	28.47	-54.70	-368.25	5,337.03	5,251.65	5,192.04	59.61	88.105		
7,700.00	7,132.66	6,530.00	6,509.46	38.71	28.47	-54.70	-368.25	5,337.03	5,349.33	5,289.65	59.68	89.640		
7,800.00	7,131.59	6,530.00	6,509.46	40.20	28.47	-54.70	-368.25	5,337.03	5,447.09	5,387.34	59.75	91.166		
7,900.00	7,130.52	6,530.00	6,509.46	41.84	28.47	-54.70	-368.25	5,337.03	5,544.93	5,485.11	59.83	92.684		
8,000.00	7,129.45	6,530.00	6,509.46	43.60	28.47	-54.70	-368.25	5,337.03	5,642.85	5,582.94	59.91	94.193		
8,100.00	7,128.38	6,530.00	6,509.46	45.47	28.47	-54.70	-368.25	5,337.03	5,740.84	5,680.85	59.99	95.695		
8,200.00	7,127.31	6,530.00	6,509.46	47.44	28.47	-54.70	-368.25	5,337.03	5,838.90	5,778.82	60.08	97.189		
8,300.00	7,126.24	6,530.00	6,509.46	49.49	28.47	-54.70	-368.25	5,337.03	5,937.02	5,876.85	60.17	98.676		
8,400.00	7,125.17	6,530.00	6,509.46	51.61	28.47	-54.70	-368.25	5,337.03	6,035.20	5,974.94	60.26	100.156		
8,500.00	7,124.10	6,530.00	6,509.46	53.81	28.47	-54.70	-368.25	5,337.03	6,133.44	6,073.09	60.35	101.629		
8,600.00	7,123.03	6,530.00	6,509.46	56.06	28.47	-54.70	-368.25	5,337.03	6,231.74	6,171.30	60.45	103.097		
8,700.00	7,121.96	6,530.00	6,509.46	58.36	28.47	-54.70	-368.25	5,337.03	6,330.09	6,269.55	60.54	104.558		
8,800.00	7,120.89	6,530.00	6,509.46	60.71	28.47	-54.70	-368.25	5,337.03	6,428.50	6,367.86	60.64	106.013		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,900.00	7,119.82	6,530.00	6,509.46	63.10	28.47	-54.70	-368.25	5,337.03	6,526.95	6,466.21	60.74	107.462		
9,000.00	7,118.75	6,530.00	6,509.46	65.53	28.47	-54.70	-368.25	5,337.03	6,625.45	6,564.61	60.84	108.906		
9,100.00	7,117.68	6,530.00	6,509.46	67.98	28.47	-54.70	-368.25	5,337.03	6,723.99	6,663.05	60.94	110.345		
9,200.00	7,116.61	6,530.00	6,509.46	70.47	28.47	-54.70	-368.25	5,337.03	6,822.57	6,761.53	61.04	111.778		
9,300.00	7,115.54	6,530.00	6,509.46	72.98	28.47	-54.70	-368.25	5,337.03	6,921.20	6,860.06	61.14	113.206		
9,400.00	7,114.47	6,530.00	6,509.46	75.52	28.47	-54.70	-368.25	5,337.03	7,019.86	6,958.62	61.24	114.630		
9,500.00	7,113.40	6,530.00	6,509.46	78.08	28.47	-54.70	-368.25	5,337.03	7,118.56	7,057.22	61.34	116.048		
9,600.00	7,112.33	6,530.00	6,509.46	80.65	28.47	-54.70	-368.25	5,337.03	7,217.30	7,155.85	61.44	117.461		
9,700.00	7,111.26	6,530.00	6,509.46	83.25	28.47	-54.70	-368.25	5,337.03	7,316.07	7,254.52	61.55	118.870		
9,800.00	7,110.19	6,530.00	6,509.46	85.86	28.47	-54.70	-368.25	5,337.03	7,414.87	7,353.22	61.65	120.274		
9,900.00	7,109.12	6,530.00	6,509.46	88.48	28.47	-54.70	-368.25	5,337.03	7,513.71	7,451.96	61.75	121.674		
10,000.00	7,108.04	6,530.00	6,509.46	91.12	28.47	-54.70	-368.25	5,337.03	7,612.57	7,550.72	61.86	123.069		
10,100.00	7,106.97	6,530.00	6,509.46	93.77	28.47	-54.70	-368.25	5,337.03	7,711.47	7,649.51	61.96	124.460		
10,200.00	7,105.90	6,530.00	6,509.46	96.43	28.47	-54.70	-368.25	5,337.03	7,810.39	7,748.33	62.06	125.846		
10,300.00	7,104.83	6,530.00	6,509.46	99.10	28.47	-54.70	-368.25	5,337.03	7,909.34	7,847.18	62.17	127.228		
10,400.00	7,103.76	6,530.00	6,509.46	101.78	28.47	-54.70	-368.25	5,337.03	8,008.32	7,946.05	62.27	128.606		
10,500.00	7,102.69	6,530.00	6,509.46	104.47	28.47	-54.70	-368.25	5,337.03	8,107.32	8,044.95	62.37	129.979		
10,600.00	7,101.62	6,530.00	6,509.46	107.16	28.47	-54.70	-368.25	5,337.03	8,206.35	8,143.87	62.48	131.348		
10,700.00	7,100.55	6,530.00	6,509.46	109.87	28.47	-54.70	-368.25	5,337.03	8,305.40	8,242.82	62.58	132.714		
10,800.00	7,099.48	6,530.00	6,509.46	112.58	28.47	-54.70	-368.25	5,337.03	8,404.47	8,341.78	62.69	134.075		
10,900.00	7,098.41	6,530.00	6,509.46	115.29	28.47	-54.70	-368.25	5,337.03	8,503.56	8,440.77	62.79	135.431		
11,000.00	7,097.34	6,530.00	6,509.46	118.02	28.47	-54.70	-368.25	5,337.03	8,602.68	8,539.79	62.89	136.784		
11,100.00	7,096.27	6,530.00	6,509.46	120.74	28.47	-54.70	-368.25	5,337.03	8,701.81	8,638.82	63.00	138.133		
11,200.00	7,095.20	6,530.00	6,509.46	123.48	28.47	-54.70	-368.25	5,337.03	8,800.97	8,737.87	63.10	139.478		
11,300.00	7,094.13	6,530.00	6,509.46	126.22	28.47	-54.70	-368.25	5,337.03	8,900.14	8,836.94	63.20	140.818		
11,400.00	7,093.06	6,530.00	6,509.46	128.96	28.47	-54.70	-368.25	5,337.03	8,999.33	8,936.03	63.31	142.155		
11,500.00	7,091.99	6,530.00	6,509.46	131.71	28.47	-54.70	-368.25	5,337.03	9,098.54	9,035.13	63.41	143.487		
11,600.00	7,090.92	6,530.00	6,509.46	134.46	28.47	-54.70	-368.25	5,337.03	9,197.77	9,134.25	63.51	144.816		
11,700.00	7,089.85	6,530.00	6,509.46	137.21	28.47	-54.70	-368.25	5,337.03	9,297.01	9,233.39	63.62	146.140		
11,800.00	7,088.78	6,530.00	6,509.46	139.97	28.47	-54.70	-368.25	5,337.03	9,396.27	9,332.55	63.72	147.461		
11,900.00	7,087.71	6,530.00	6,509.46	142.73	28.47	-54.70	-368.25	5,337.03	9,495.54	9,431.72	63.82	148.777		
12,000.00	7,086.64	6,530.00	6,509.46	145.50	28.47	-54.70	-368.25	5,337.03	9,594.83	9,530.91	63.93	150.090		
12,100.00	7,085.57	6,530.00	6,509.46	148.26	28.47	-54.70	-368.25	5,337.03	9,694.14	9,630.11	64.03	151.398		
12,200.00	7,084.50	6,530.00	6,509.46	151.03	28.47	-54.70	-368.25	5,337.03	9,793.46	9,729.32	64.13	152.703		
12,300.00	7,083.43	6,530.00	6,509.46	153.81	28.47	-54.70	-368.25	5,337.03	9,892.79	9,828.55	64.24	154.003		
12,400.00	7,082.36	6,530.00	6,509.46	156.58	28.47	-54.70	-368.25	5,337.03	9,992.13	9,927.79	64.34	155.300		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.99	-642.79	5,239.69	5,279.03					
100.00	100.00	130.45	130.44	3.28	3.29	97.00	-643.09	5,238.99	5,278.59	5,272.01	6.58	802.498		
200.00	200.00	228.82	228.81	3.34	3.34	97.00	-643.41	5,237.79	5,277.42	5,270.74	6.68	790.581		
300.00	300.00	297.19	297.17	3.44	3.40	97.00	-642.73	5,237.38	5,276.71	5,269.86	6.85	770.376		
400.00	399.98	364.00	363.96	3.60	3.49	30.35	-641.09	5,237.58	5,275.18	5,268.09	7.09	743.689		
500.00	499.84	434.88	434.77	3.80	3.61	30.38	-638.01	5,238.39	5,271.24	5,263.83	7.41	711.296		
600.00	599.45	515.40	515.11	4.05	3.77	30.42	-632.87	5,239.82	5,264.71	5,256.89	7.81	673.867		
700.00	698.70	620.00	619.38	4.32	4.02	30.50	-624.95	5,242.06	5,255.39	5,247.05	8.34	630.224		
740.00	738.27	661.46	660.70	4.45	4.13	30.55	-621.59	5,242.89	5,250.75	5,242.18	8.57	612.632		
800.00	797.57	708.57	707.63	4.63	4.27	30.54	-617.59	5,243.93	5,243.51	5,234.62	8.89	589.910		
900.00	896.39	801.55	800.18	4.96	4.56	30.52	-608.99	5,246.28	5,231.68	5,222.18	9.50	550.805		
1,000.00	995.21	920.16	918.06	5.32	4.96	30.48	-596.20	5,249.32	5,219.72	5,209.47	10.25	509.470		
1,100.00	1,094.03	1,031.19	1,028.26	5.69	5.38	30.43	-582.95	5,251.96	5,207.43	5,196.42	11.02	472.655		
1,200.00	1,192.86	1,202.92	1,198.61	6.07	6.07	30.33	-561.40	5,254.94	5,194.52	5,182.45	12.07	430.237		
1,300.00	1,291.68	1,259.55	1,254.76	6.47	6.31	30.30	-554.12	5,255.78	5,181.21	5,168.51	12.70	408.112		
1,400.00	1,390.50	1,367.79	1,362.08	6.88	6.77	30.23	-540.20	5,257.75	5,168.29	5,154.74	13.55	381.417		
1,500.00	1,489.33	1,712.99	1,704.84	7.29	8.28	30.09	-500.34	5,252.27	5,150.63	5,135.21	15.42	333.936		
1,600.00	1,588.15	1,761.00	1,752.58	7.71	8.49	30.08	-495.51	5,250.57	5,133.01	5,116.97	16.04	319.964		
1,700.00	1,686.97	1,811.17	1,802.49	8.14	8.71	30.07	-490.55	5,249.27	5,116.33	5,099.65	16.68	306.777		
1,800.00	1,785.79	1,853.00	1,844.13	8.57	8.89	30.07	-486.65	5,248.91	5,101.02	5,083.74	17.28	295.130		
1,900.00	1,884.62	1,909.71	1,900.57	9.01	9.15	30.05	-481.09	5,249.00	5,086.71	5,068.75	17.96	283.186		
2,000.00	1,983.44	2,000.00	2,105.22	9.45	9.56	29.98	-458.62	5,248.21	5,072.09	5,053.32	18.77	270.209		
2,100.00	2,082.26	2,185.85	2,174.98	9.89	10.41	29.95	-450.54	5,246.76	5,055.72	5,035.67	20.05	252.124		
2,200.00	2,181.09	2,222.00	2,210.88	10.33	10.58	29.93	-446.28	5,246.66	5,040.80	5,020.14	20.66	243.974		
2,300.00	2,279.91	2,398.85	2,386.66	10.78	11.40	29.87	-427.01	5,245.43	5,025.59	5,003.70	21.89	229.592		
2,400.00	2,378.73	2,492.89	2,480.10	11.23	11.84	29.83	-416.46	5,244.15	5,009.75	4,986.99	22.76	220.119		
2,500.00	2,477.55	2,548.69	2,535.57	11.68	12.10	29.81	-410.42	5,243.63	4,994.38	4,970.91	23.47	212.842		
2,600.00	2,576.38	2,625.29	2,611.65	12.13	12.46	29.78	-401.57	5,243.68	4,979.85	4,955.58	24.27	205.209		
2,700.00	2,675.20	2,769.38	2,754.71	12.59	13.15	29.70	-384.33	5,243.14	4,964.89	4,939.52	25.38	195.645		
2,800.00	2,774.02	2,902.07	2,886.50	13.04	13.79	29.64	-368.97	5,241.51	4,949.14	4,922.71	26.43	187.244		
2,900.00	2,872.85	2,991.81	2,975.70	13.50	14.21	29.61	-359.31	5,240.00	4,933.04	4,905.74	27.30	180.719		
3,000.00	2,971.67	3,060.14	3,043.56	13.96	14.54	29.58	-351.30	5,239.33	4,917.52	4,889.45	28.07	175.175		
3,100.00	3,070.49	3,137.00	3,119.92	14.41	14.90	29.55	-342.57	5,238.71	4,902.27	4,873.39	28.89	169.703		
3,200.00	3,169.31	3,194.89	3,177.45	14.87	15.18	29.52	-336.11	5,238.60	4,887.72	4,858.10	29.62	165.016		
3,300.00	3,268.14	3,269.50	3,251.54	15.33	15.54	29.49	-327.43	5,239.40	4,874.18	4,843.76	30.43	160.194		
3,400.00	3,366.96	3,391.13	3,372.52	15.79	16.11	29.45	-314.89	5,240.19	4,860.42	4,828.98	31.44	154.610		
3,500.00	3,465.78	3,462.38	3,443.44	16.25	16.45	29.43	-308.03	5,240.62	4,846.70	4,814.48	32.22	150.409		
3,600.00	3,564.61	3,575.85	3,556.27	16.72	16.98	29.39	-296.10	5,241.88	4,833.42	4,800.22	33.20	145.581		
3,700.00	3,663.43	3,673.00	3,652.89	17.18	17.44	29.35	-285.97	5,242.24	4,819.38	4,785.28	34.11	141.304		
3,800.00	3,762.25	3,728.31	3,707.91	17.64	17.71	29.33	-280.38	5,242.68	4,805.99	4,771.16	34.83	137.982		
3,900.00	3,861.07	3,778.33	3,757.59	18.10	17.95	29.31	-274.68	5,243.93	4,793.86	4,758.32	35.53	134.917		
4,000.00	3,959.90	3,899.00	3,877.33	18.57	18.54	29.24	-260.04	5,247.27	4,782.05	4,745.49	36.56	130.786		
4,100.00	4,058.72	4,036.16	4,013.35	19.03	19.21	29.15	-242.73	5,250.08	4,769.45	4,731.78	37.68	126.593		
4,200.00	4,157.54	4,165.34	4,141.82	19.50	19.83	29.10	-229.20	5,251.64	4,756.26	4,717.54	38.73	122.815		
4,300.00	4,256.37	4,260.86	4,236.84	19.96	20.28	29.07	-219.59	5,252.29	4,742.59	4,702.96	39.63	119.678		
4,400.00	4,355.19	4,327.16	4,302.79	20.43	20.60	29.05	-212.78	5,253.08	4,729.41	4,689.00	40.41	117.046		
4,500.00	4,454.01	4,386.00	4,361.27	20.89	20.88	29.02	-206.38	5,254.31	4,717.05	4,675.89	41.15	114.623		
4,600.00	4,552.83	4,555.25	4,529.77	21.36	21.67	28.98	-190.81	5,256.81	4,704.14	4,661.78	42.36	111.044		
4,700.00	4,651.66	4,703.03	4,677.08	21.82	22.34	28.97	-179.06	5,256.81	4,689.88	4,646.42	43.46	107.916		
4,800.00	4,750.48	4,772.93	4,746.79	22.29	22.66	28.97	-173.93	5,256.69	4,675.66	4,631.41	44.24	105.680		
4,900.00	4,849.30	4,832.00	4,805.63	22.76	22.93	28.96	-168.82	5,257.22	4,662.29	4,617.30	44.99	103.640		
5,000.00	4,948.13	4,947.93	4,921.05	23.22	23.48	28.93	-157.95	5,258.57	4,649.16	4,603.18	45.97	101.134		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,220.91	5,193.48	23.69	24.66	29.01	-143.53	5,256.42	4,635.37	4,587.90	47.47	97.645		
5,200.00	5,145.77	5,297.25	5,269.78	24.16	24.95	29.08	-142.84	5,253.87	4,618.57	4,570.33	48.24	95.750		
5,300.00	5,244.59	5,378.35	5,350.84	24.62	25.27	29.15	-142.57	5,251.48	4,602.22	4,553.21	49.01	93.903		
5,400.00	5,343.42	5,473.71	5,446.17	25.09	25.63	29.24	-142.33	5,248.75	4,585.98	4,536.15	49.83	92.038		
5,500.00	5,442.24	5,534.76	5,507.20	25.56	25.86	29.30	-142.41	5,247.31	4,570.28	4,519.74	50.54	90.428		
5,600.00	5,541.06	5,615.83	5,588.26	26.03	26.17	29.39	-142.82	5,245.90	4,555.23	4,503.92	51.31	88.778		
5,700.00	5,639.89	5,710.70	5,683.12	26.50	26.53	29.48	-143.21	5,244.45	4,540.40	4,488.28	52.12	87.109		
5,800.00	5,738.71	5,837.10	5,809.49	26.96	27.01	29.62	-143.74	5,242.16	4,525.31	4,472.28	53.03	85.331		
5,900.00	5,837.53	5,937.60	5,909.96	27.43	27.39	29.73	-144.73	5,239.87	4,509.83	4,455.97	53.86	83.731		
6,000.00	5,936.35	5,992.00	5,964.34	27.90	27.59	29.80	-145.60	5,238.68	4,494.68	4,440.13	54.55	82.391		
6,100.00	6,035.18	6,053.09	6,025.42	28.37	27.83	29.86	-146.19	5,237.93	4,480.43	4,425.16	55.27	81.066		
6,200.00	6,134.00	6,082.00	6,054.33	28.84	27.94	29.89	-146.11	5,237.97	4,467.49	4,411.61	55.88	79.953		
6,300.00	6,232.82	6,139.83	6,112.15	29.31	28.17	29.95	-145.97	5,238.76	4,455.68	4,399.11	56.58	78.755		
6,400.00	6,331.64	6,217.37	6,189.67	29.77	28.47	30.02	-146.37	5,240.90	4,445.10	4,387.76	57.34	77.522		
6,477.15	6,407.89	6,260.00	6,232.28	30.14	28.63	30.07	-146.49	5,241.95	4,436.95	4,379.09	57.87	76.677		
6,500.00	6,430.52	6,260.00	6,232.28	30.24	28.63	36.28	-146.49	5,241.95	4,435.16	4,377.19	57.97	76.503		
6,532.62	6,462.98	6,260.00	6,232.28	30.38	28.63	53.76	-146.49	5,241.95	4,434.22	4,376.10	58.12	76.294 CC, ES		
6,550.00	6,480.31	6,260.00	6,232.28	30.46	28.63	71.63	-146.49	5,241.95	4,434.49	4,376.29	58.20	76.197		
6,600.00	6,530.22	6,260.00	6,232.28	30.66	28.63	139.99	-146.49	5,241.95	4,438.25	4,379.85	58.40	76.000		
6,650.00	6,579.93	6,260.00	6,232.28	30.85	28.63	164.80	-146.49	5,241.95	4,446.42	4,387.85	58.57	75.912 SF		
6,700.00	6,629.13	6,260.00	6,232.28	31.04	28.63	173.39	-146.49	5,241.95	4,458.93	4,400.20	58.73	75.928		
6,750.00	6,677.53	6,260.00	6,232.28	31.23	28.63	177.66	-146.49	5,241.95	4,475.66	4,416.80	58.86	76.041		
6,800.00	6,724.83	6,260.00	6,232.28	31.43	28.63	-179.69	-146.49	5,241.95	4,496.46	4,437.49	58.97	76.250		
6,850.00	6,770.73	6,302.01	6,274.19	31.63	28.79	-177.78	-146.69	5,244.62	4,519.22	4,459.97	59.25	76.270		
6,900.00	6,814.95	6,306.20	6,278.36	31.84	28.81	-176.21	-146.72	5,245.07	4,547.18	4,487.83	59.35	76.617		
6,950.00	6,857.22	6,349.00	6,320.63	32.06	28.97	-174.83	-147.23	5,251.67	4,580.21	4,520.60	59.61	76.837		
7,000.00	6,897.28	6,349.00	6,320.63	32.29	28.97	-173.43	-147.23	5,251.67	4,614.48	4,554.82	59.66	77.350		
7,050.00	6,934.88	6,349.00	6,320.63	32.54	28.97	-171.92	-147.23	5,251.67	4,651.69	4,592.00	59.69	77.930		
7,100.00	6,969.79	6,349.00	6,320.63	32.81	28.97	-170.19	-147.23	5,251.67	4,691.55	4,631.84	59.71	78.570		
7,150.00	7,001.79	6,349.00	6,320.63	33.11	28.97	-168.06	-147.23	5,251.67	4,733.76	4,674.04	59.72	79.262		
7,200.00	7,030.69	6,349.00	6,320.63	33.44	28.97	-165.30	-147.23	5,251.67	4,777.99	4,718.26	59.73	79.998		
7,250.00	7,056.31	6,349.00	6,320.63	33.81	28.97	-161.47	-147.23	5,251.67	4,823.92	4,764.19	59.73	80.768		
7,300.00	7,078.48	6,349.00	6,320.63	34.21	28.97	-155.77	-147.23	5,251.67	4,871.22	4,811.50	59.72	81.564		
7,350.00	7,097.08	6,349.00	6,320.63	34.65	28.97	-146.51	-147.23	5,251.67	4,919.56	4,859.84	59.72	82.377		
7,400.00	7,112.00	6,349.00	6,320.63	35.12	28.97	-130.17	-147.23	5,251.67	4,968.63	4,908.91	59.72	83.199		
7,450.00	7,123.12	6,349.00	6,320.63	35.64	28.97	-102.14	-147.23	5,251.67	5,018.10	4,958.37	59.73	84.019		
7,500.00	7,130.40	6,349.00	6,320.63	36.19	28.97	-69.30	-147.23	5,251.67	5,067.65	5,007.91	59.74	84.830		
7,550.00	7,133.78	6,349.00	6,320.63	36.77	28.97	-46.91	-147.23	5,251.67	5,116.99	5,057.23	59.76	85.623		
7,574.97	7,134.00	6,349.00	6,320.63	37.06	28.97	-39.79	-147.23	5,251.67	5,141.46	5,081.69	59.78	86.012		
7,600.00	7,133.73	6,349.00	6,320.63	37.37	28.97	-39.79	-147.23	5,251.67	5,165.92	5,106.12	59.79	86.396		
7,700.00	7,132.66	6,349.00	6,320.63	38.71	28.97	-39.79	-147.23	5,251.67	5,263.67	5,203.80	59.87	87.923		
7,800.00	7,131.59	6,349.00	6,320.63	40.20	28.97	-39.79	-147.23	5,251.67	5,361.51	5,301.57	59.94	89.444		
7,900.00	7,130.52	6,349.00	6,320.63	41.84	28.97	-39.79	-147.23	5,251.67	5,459.43	5,399.41	60.02	90.961		
8,000.00	7,129.45	6,349.00	6,320.63	43.60	28.97	-39.79	-147.23	5,251.67	5,557.42	5,497.32	60.10	92.472		
8,100.00	7,128.38	6,349.00	6,320.63	45.47	28.97	-39.79	-147.23	5,251.67	5,655.48	5,595.30	60.18	93.979		
8,200.00	7,127.31	6,349.00	6,320.63	47.44	28.97	-39.79	-147.23	5,251.67	5,753.61	5,693.35	60.26	95.482		
8,300.00	7,126.24	6,349.00	6,320.63	49.49	28.97	-39.79	-147.23	5,251.67	5,851.80	5,791.46	60.34	96.979		
8,400.00	7,125.17	6,349.00	6,320.63	51.61	28.97	-39.79	-147.23	5,251.67	5,950.05	5,889.63	60.42	98.473		
8,500.00	7,124.10	6,349.00	6,320.63	53.81	28.97	-39.79	-147.23	5,251.67	6,048.36	5,987.85	60.51	99.962		
8,600.00	7,123.03	6,349.00	6,320.63	56.06	28.97	-39.79	-147.23	5,251.67	6,146.72	6,086.13	60.59	101.447		
8,700.00	7,121.96	6,349.00	6,320.63	58.36	28.97	-39.79	-147.23	5,251.67	6,245.14	6,184.46	60.67	102.928		
8,800.00	7,120.89	6,349.00	6,320.63	60.71	28.97	-39.79	-147.23	5,251.67	6,343.60	6,282.84	60.76	104.405		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 174-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,119.82	6,349.00	6,320.63	63.10	28.97	-39.79	-147.23	5,251.67	6,442.11	6,381.27	60.84	105.878		
9,000.00	7,118.75	6,349.00	6,320.63	65.53	28.97	-39.79	-147.23	5,251.67	6,540.67	6,479.74	60.93	107.347		
9,100.00	7,117.68	6,349.00	6,320.63	67.98	28.97	-39.79	-147.23	5,251.67	6,639.27	6,578.26	61.02	108.812		
9,200.00	7,116.61	6,349.00	6,320.63	70.47	28.97	-39.79	-147.23	5,251.67	6,737.91	6,676.81	61.10	110.273		
9,300.00	7,115.54	6,349.00	6,320.63	72.98	28.97	-39.79	-147.23	5,251.67	6,836.60	6,775.41	61.19	111.731		
9,400.00	7,114.47	6,349.00	6,320.63	75.52	28.97	-39.79	-147.23	5,251.67	6,935.31	6,874.04	61.27	113.184		
9,500.00	7,113.40	6,307.36	6,279.51	78.08	28.81	-38.43	-146.73	5,245.21	7,032.25	6,971.04	61.21	114.888		
9,600.00	7,112.33	6,306.53	6,278.68	80.65	28.81	-38.40	-146.73	5,245.11	7,130.97	7,069.67	61.30	116.338		
9,700.00	7,111.26	6,305.71	6,277.88	83.25	28.81	-38.38	-146.72	5,245.02	7,229.72	7,168.34	61.38	117.783		
9,800.00	7,110.19	6,304.92	6,277.09	85.86	28.80	-38.35	-146.71	5,244.93	7,328.50	7,267.03	61.47	119.225		
9,900.00	7,109.12	6,304.15	6,276.32	88.48	28.80	-38.33	-146.71	5,244.85	7,427.32	7,365.76	61.55	120.663		
10,000.00	7,108.04	6,303.39	6,275.57	91.12	28.80	-38.30	-146.70	5,244.77	7,526.16	7,464.52	61.64	122.098		
10,100.00	7,106.97	6,302.65	6,274.83	93.77	28.80	-38.28	-146.69	5,244.69	7,625.04	7,563.31	61.73	123.528		
10,200.00	7,105.90	6,301.93	6,274.12	96.43	28.79	-38.26	-146.69	5,244.61	7,723.94	7,662.13	61.81	124.954		
10,300.00	7,104.83	6,260.00	6,232.28	99.10	28.63	-36.97	-146.49	5,241.95	7,824.64	7,762.88	61.77	126.683		
10,400.00	7,103.76	6,260.00	6,232.28	101.78	28.63	-36.97	-146.49	5,241.95	7,923.54	7,861.68	61.86	128.096		
10,500.00	7,102.69	6,260.00	6,232.28	104.47	28.63	-36.97	-146.49	5,241.95	8,022.46	7,960.51	61.95	129.504		
10,600.00	7,101.62	6,260.00	6,232.28	107.16	28.63	-36.97	-146.49	5,241.95	8,121.41	8,059.37	62.04	130.909		
10,700.00	7,100.55	6,260.00	6,232.28	109.87	28.63	-36.97	-146.49	5,241.95	8,220.38	8,158.26	62.13	132.311		
10,800.00	7,099.48	6,260.00	6,232.28	112.58	28.63	-36.97	-146.49	5,241.95	8,319.38	8,257.16	62.22	133.708		
10,900.00	7,098.41	6,260.00	6,232.28	115.29	28.63	-36.97	-146.49	5,241.95	8,418.41	8,356.09	62.31	135.102		
11,000.00	7,097.34	6,260.00	6,232.28	118.02	28.63	-36.97	-146.49	5,241.95	8,517.45	8,455.05	62.40	136.492		
11,100.00	7,096.27	6,260.00	6,232.28	120.74	28.63	-36.97	-146.49	5,241.95	8,616.52	8,554.03	62.49	137.878		
11,200.00	7,095.20	6,260.00	6,232.28	123.48	28.63	-36.97	-146.49	5,241.95	8,715.61	8,653.02	62.58	139.261		
11,300.00	7,094.13	6,260.00	6,232.28	126.22	28.63	-36.97	-146.49	5,241.95	8,814.72	8,752.04	62.68	140.640		
11,400.00	7,093.06	6,260.00	6,232.28	128.96	28.63	-36.97	-146.49	5,241.95	8,913.85	8,851.08	62.77	142.015		
11,500.00	7,091.99	6,260.00	6,232.28	131.71	28.63	-36.97	-146.49	5,241.95	9,013.00	8,950.14	62.86	143.386		
11,600.00	7,090.92	6,260.00	6,232.28	134.46	28.63	-36.97	-146.49	5,241.95	9,112.16	9,049.21	62.95	144.753		
11,700.00	7,089.85	6,260.00	6,232.28	137.21	28.63	-36.97	-146.49	5,241.95	9,211.35	9,148.31	63.04	146.116		
11,800.00	7,088.78	6,260.00	6,232.28	139.97	28.63	-36.97	-146.49	5,241.95	9,310.55	9,247.42	63.13	147.476		
11,900.00	7,087.71	6,260.00	6,232.28	142.73	28.63	-36.97	-146.49	5,241.95	9,409.77	9,346.55	63.22	148.831		
12,000.00	7,086.64	6,260.00	6,232.28	145.50	28.63	-36.97	-146.49	5,241.95	9,509.01	9,445.69	63.32	150.183		
12,100.00	7,085.57	6,260.00	6,232.28	148.26	28.63	-36.97	-146.49	5,241.95	9,608.26	9,544.85	63.41	151.530		
12,200.00	7,084.50	6,260.00	6,232.28	151.03	28.63	-36.97	-146.49	5,241.95	9,707.53	9,644.03	63.50	152.874		
12,300.00	7,083.43	6,260.00	6,232.28	153.81	28.63	-36.97	-146.49	5,241.95	9,806.81	9,743.21	63.59	154.213		
12,400.00	7,082.36	6,260.00	6,232.28	156.58	28.63	-36.97	-146.49	5,241.95	9,906.10	9,842.42	63.68	155.549		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-72.66	1,834.60	-5,876.88	6,156.58					
100.00	100.00	133.00	133.00	3.28	4.38	-72.66	1,834.60	-5,876.88	6,156.58	6,148.92	7.66	803.601		
200.00	200.00	233.00	233.00	3.34	7.18	-72.66	1,834.60	-5,876.88	6,156.58	6,146.06	10.52	585.316		
300.00	300.00	333.00	333.00	3.44	10.41	-72.66	1,834.60	-5,876.88	6,156.58	6,142.72	13.85	444.368		
400.00	399.98	432.98	432.98	3.60	13.77	-139.31	1,834.60	-5,876.88	6,157.90	6,140.53	17.37	354.565		
500.00	499.84	532.84	532.84	3.80	17.17	-139.29	1,834.60	-5,876.88	6,161.87	6,140.90	20.97	293.795		
600.00	599.45	632.45	632.45	4.05	20.60	-139.25	1,834.60	-5,876.88	6,168.49	6,143.85	24.64	250.371		
700.00	698.70	731.70	731.70	4.32	24.02	-139.20	1,834.60	-5,876.88	6,177.74	6,149.41	28.34	217.999		
740.00	738.27	771.27	771.27	4.45	25.39	-139.18	1,834.60	-5,876.88	6,182.19	6,152.36	29.83	207.267		
800.00	797.57	830.57	830.57	4.63	27.45	-139.24	1,834.60	-5,876.88	6,189.17	6,157.11	32.06	193.024		
900.00	896.39	929.39	929.39	4.96	30.87	-139.33	1,834.60	-5,876.88	6,200.83	6,165.01	35.81	173.135		
1,000.00	995.21	1,028.21	1,028.21	5.32	34.31	-139.42	1,834.60	-5,876.88	6,212.50	6,172.91	39.59	156.921		
1,100.00	1,094.03	1,127.03	1,127.03	5.69	37.74	-139.51	1,834.60	-5,876.88	6,224.18	6,180.80	43.38	143.466		
1,200.00	1,192.86	1,225.86	1,225.86	6.07	41.18	-139.60	1,834.60	-5,876.88	6,235.88	6,188.69	47.19	132.131		
1,300.00	1,291.68	1,324.68	1,324.68	6.47	44.62	-139.69	1,834.60	-5,876.88	6,247.60	6,196.58	51.02	122.459		
1,400.00	1,390.50	1,423.50	1,423.50	6.88	48.06	-139.78	1,834.60	-5,876.88	6,259.33	6,204.48	54.85	114.114		
1,500.00	1,489.33	1,522.33	1,522.33	7.29	51.50	-139.87	1,834.60	-5,876.88	6,271.08	6,212.38	58.69	106.844		
1,600.00	1,588.15	1,621.15	1,621.15	7.71	54.95	-139.96	1,834.60	-5,876.88	6,282.84	6,220.29	62.54	100.455		
1,700.00	1,686.97	1,719.97	1,719.97	8.14	58.39	-140.05	1,834.60	-5,876.88	6,294.62	6,228.22	66.40	94.799		
1,800.00	1,785.79	1,818.79	1,818.79	8.57	61.84	-140.14	1,834.60	-5,876.88	6,306.41	6,236.15	70.26	89.757		
1,900.00	1,884.62	1,917.62	1,917.62	9.01	65.28	-140.23	1,834.60	-5,876.88	6,318.22	6,244.09	74.13	85.235		
2,000.00	1,983.44	2,016.44	2,016.44	9.45	68.73	-140.32	1,834.60	-5,876.88	6,330.04	6,252.04	78.00	81.158		
2,100.00	2,082.26	2,115.26	2,115.26	9.89	72.17	-140.40	1,834.60	-5,876.88	6,341.88	6,260.01	81.87	77.463		
2,200.00	2,181.09	2,214.09	2,214.09	10.33	75.62	-140.49	1,834.60	-5,876.88	6,353.73	6,267.98	85.75	74.100		
2,300.00	2,279.91	2,312.91	2,312.91	10.78	79.07	-140.58	1,834.60	-5,876.88	6,365.60	6,275.97	89.62	71.026		
2,400.00	2,378.73	2,411.73	2,411.73	11.23	82.51	-140.67	1,834.60	-5,876.88	6,377.48	6,283.97	93.50	68.205		
2,500.00	2,477.55	2,510.55	2,510.55	11.68	85.96	-140.75	1,834.60	-5,876.88	6,389.37	6,291.99	97.39	65.608		
2,600.00	2,576.38	2,609.38	2,609.38	12.13	89.41	-140.84	1,834.60	-5,876.88	6,401.28	6,300.01	101.27	63.209		
2,700.00	2,675.20	2,708.20	2,708.20	12.59	92.86	-140.92	1,834.60	-5,876.88	6,413.21	6,308.05	105.16	60.986		
2,800.00	2,774.02	2,807.02	2,807.02	13.04	96.30	-141.01	1,834.60	-5,876.88	6,425.15	6,316.10	109.05	58.922		
2,900.00	2,872.85	2,905.85	2,905.85	13.50	99.75	-141.10	1,834.60	-5,876.88	6,437.10	6,324.17	112.93	56.999		
3,000.00	2,971.67	3,004.67	3,004.67	13.96	103.20	-141.18	1,834.60	-5,876.88	6,449.07	6,332.25	116.82	55.203		
3,100.00	3,070.49	3,103.49	3,103.49	14.41	106.65	-141.27	1,834.60	-5,876.88	6,461.05	6,340.34	120.71	53.523		
3,200.00	3,169.31	3,202.31	3,202.31	14.87	110.10	-141.35	1,834.60	-5,876.88	6,473.05	6,348.44	124.61	51.948		
3,300.00	3,268.14	3,301.14	3,301.14	15.33	113.54	-141.43	1,834.60	-5,876.88	6,485.06	6,356.56	128.50	50.468		
3,400.00	3,366.96	3,400.04	3,399.96	15.79	117.00	-141.52	1,834.60	-5,876.88	6,497.08	6,364.69	132.40	49.073		
3,500.00	3,465.78	3,501.22	3,498.78	16.25	120.53	-141.60	1,834.60	-5,876.88	6,509.12	6,372.75	136.37	47.731		
3,600.00	3,564.61	3,602.39	3,597.61	16.72	124.06	-141.68	1,834.60	-5,876.88	6,521.17	6,380.82	140.35	46.464		
3,700.00	3,663.43	3,703.57	3,696.43	17.18	127.59	-141.77	1,834.60	-5,876.88	6,533.23	6,388.91	144.33	45.267		
3,800.00	3,762.25	3,804.75	3,795.25	17.64	131.12	-141.85	1,834.60	-5,876.88	6,545.31	6,397.01	148.30	44.134		
3,900.00	3,861.07	3,905.93	3,894.07	18.10	134.65	-141.93	1,834.60	-5,876.88	6,557.40	6,405.12	152.28	43.061		
4,000.00	3,959.90	4,007.10	3,992.90	18.57	138.18	-142.01	1,834.60	-5,876.88	6,569.51	6,413.25	156.26	42.042		
4,100.00	4,058.72	4,108.28	4,091.72	19.03	141.71	-142.09	1,834.60	-5,876.88	6,581.63	6,421.38	160.24	41.073		
4,200.00	4,157.54	4,209.46	4,190.54	19.50	145.24	-142.18	1,834.60	-5,876.88	6,593.76	6,429.54	164.22	40.152		
4,300.00	4,256.37	4,289.37	4,289.37	19.96	148.03	-142.26	1,834.60	-5,876.88	6,605.90	6,438.44	167.46	39.448		
4,400.00	4,355.19	4,388.19	4,388.19	20.43	151.48	-142.34	1,834.60	-5,876.88	6,618.06	6,446.70	171.36	38.621		
4,500.00	4,454.01	4,487.01	4,487.01	20.89	154.93	-142.42	1,834.60	-5,876.88	6,630.23	6,454.97	175.26	37.832		
4,600.00	4,552.83	4,585.83	4,585.83	21.36	158.38	-142.50	1,834.60	-5,876.88	6,642.41	6,463.26	179.15	37.076		
4,700.00	4,651.66	4,684.66	4,684.66	21.82	161.83	-142.58	1,834.60	-5,876.88	6,654.61	6,471.56	183.05	36.353		
4,800.00	4,750.48	4,783.48	4,783.48	22.29	165.28	-142.66	1,834.60	-5,876.88	6,666.82	6,479.87	186.95	35.660		
4,900.00	4,849.30	4,882.30	4,882.30	22.76	168.73	-142.74	1,834.60	-5,876.88	6,679.04	6,488.19	190.85	34.996		
5,000.00	4,948.13	4,981.13	4,981.13	23.22	172.18	-142.82	1,834.60	-5,876.88	6,691.27	6,496.52	194.75	34.358		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,079.95	5,079.95	23.69	175.63	-142.89	1,834.60	-5,876.88	6,703.52	6,504.87	198.65	33.745		
5,200.00	5,145.77	5,178.77	5,178.77	24.16	179.08	-142.97	1,834.60	-5,876.88	6,715.78	6,513.23	202.55	33.156		
5,300.00	5,244.59	5,277.59	5,277.59	24.62	182.53	-143.05	1,834.60	-5,876.88	6,728.05	6,521.60	206.45	32.589		
5,400.00	5,343.42	5,376.42	5,376.42	25.09	185.97	-143.13	1,834.60	-5,876.88	6,740.34	6,529.98	210.35	32.043		
5,500.00	5,442.24	5,475.24	5,475.24	25.56	189.42	-143.21	1,834.60	-5,876.88	6,752.63	6,538.38	214.25	31.517		
5,600.00	5,541.06	5,574.06	5,574.06	26.03	192.87	-143.28	1,834.60	-5,876.88	6,764.94	6,546.79	218.16	31.010		
5,700.00	5,639.89	5,672.89	5,672.89	26.50	196.32	-143.36	1,834.60	-5,876.88	6,777.26	6,555.21	222.06	30.521		
5,800.00	5,738.71	5,771.71	5,771.71	26.96	199.77	-143.44	1,834.60	-5,876.88	6,789.60	6,563.64	225.96	30.048		
5,900.00	5,837.53	5,870.53	5,870.53	27.43	203.22	-143.51	1,834.60	-5,876.88	6,801.94	6,572.08	229.86	29.592		
6,000.00	5,936.35	5,969.35	5,969.35	27.90	206.67	-143.59	1,834.60	-5,876.88	6,814.30	6,580.54	233.76	29.151		
6,100.00	6,035.18	6,068.18	6,068.18	28.37	210.12	-143.67	1,834.60	-5,876.88	6,826.67	6,589.01	237.66	28.724		
6,200.00	6,134.00	6,167.00	6,167.00	28.84	213.57	-143.74	1,834.60	-5,876.88	6,839.05	6,597.49	241.56	28.312		
6,300.00	6,232.82	6,265.82	6,265.82	29.31	217.02	-143.82	1,834.60	-5,876.88	6,851.44	6,605.98	245.46	27.912		
6,400.00	6,331.64	6,364.64	6,364.64	29.77	220.47	-143.89	1,834.60	-5,876.88	6,863.85	6,614.48	249.37	27.525		
6,477.15	6,407.89	6,440.89	6,440.89	30.14	223.13	-143.95	1,834.60	-5,876.88	6,873.43	6,621.05	252.38	27.235		
6,500.00	6,430.52	6,463.52	6,463.52	30.24	223.92	-137.79	1,834.60	-5,876.88	6,875.87	6,622.60	253.27	27.149		
6,550.00	6,480.31	6,513.31	6,513.31	30.46	225.66	-102.51	1,834.60	-5,876.88	6,878.46	6,623.23	255.22	26.951		
6,600.00	6,530.22	6,563.22	6,563.22	30.66	227.40	-34.19	1,834.60	-5,876.88	6,877.24	6,620.08	257.16	26.743		
6,650.00	6,579.93	6,612.93	6,612.93	30.85	229.14	-9.40	1,834.60	-5,876.88	6,872.23	6,613.15	259.08	26.525		
6,700.00	6,629.13	6,662.13	6,662.13	31.04	230.85	-0.79	1,834.60	-5,876.88	6,863.45	6,602.48	260.97	26.300		
6,750.00	6,677.53	6,710.53	6,710.53	31.23	232.54	3.53	1,834.60	-5,876.88	6,850.96	6,588.15	262.81	26.068		
6,800.00	6,724.83	6,757.83	6,757.83	31.43	234.19	6.27	1,834.60	-5,876.88	6,834.84	6,570.23	264.61	25.830		
6,850.00	6,770.73	6,803.73	6,803.73	31.63	235.80	8.31	1,834.60	-5,876.88	6,815.18	6,548.84	266.34	25.588		
6,900.00	6,814.95	6,847.95	6,847.95	31.84	237.34	10.03	1,834.60	-5,876.88	6,792.11	6,524.10	268.00	25.343		
6,950.00	6,857.22	6,909.78	6,890.22	32.06	239.50	11.64	1,834.60	-5,876.88	6,765.77	6,495.50	270.27	25.034		
7,000.00	6,897.28	6,930.28	6,930.28	32.29	240.21	13.27	1,834.60	-5,876.88	6,736.32	6,465.25	271.08	24.850		
7,050.00	6,934.88	6,967.88	6,967.88	32.54	241.53	15.03	1,834.60	-5,876.88	6,703.96	6,431.49	272.47	24.604		
7,100.00	6,969.79	7,002.79	7,002.79	32.81	242.74	17.02	1,834.60	-5,876.88	6,668.87	6,395.12	273.76	24.360		
7,150.00	7,001.79	7,034.79	7,034.79	33.11	243.86	19.35	1,834.60	-5,876.88	6,631.29	6,356.36	274.94	24.119		
7,200.00	7,030.69	7,063.69	7,063.69	33.44	244.87	22.17	1,834.60	-5,876.88	6,591.44	6,315.44	276.00	23.882		
7,250.00	7,056.31	7,089.31	7,089.31	33.81	245.76	25.70	1,834.60	-5,876.88	6,549.58	6,272.64	276.94	23.650		
7,300.00	7,078.48	7,111.48	7,111.48	34.21	246.54	30.21	1,834.60	-5,876.88	6,505.96	6,228.20	277.76	23.423		
7,350.00	7,097.08	7,130.08	7,130.08	34.65	247.19	36.14	1,834.60	-5,876.88	6,460.86	6,182.41	278.45	23.203		
7,400.00	7,112.00	7,145.00	7,145.00	35.12	247.71	44.03	1,834.60	-5,876.88	6,414.55	6,135.55	279.01	22.991		
7,450.00	7,123.12	7,156.12	7,156.12	35.64	248.10	54.57	1,834.60	-5,876.88	6,367.34	6,087.90	279.44	22.786		
7,500.00	7,130.40	7,163.40	7,163.40	36.19	248.35	68.14	1,834.60	-5,876.88	6,319.50	6,039.77	279.74	22.591		
7,550.00	7,133.78	7,166.78	7,166.78	36.77	248.47	84.05	1,834.60	-5,876.88	6,271.35	5,991.44	279.90	22.405		
7,574.97	7,134.00	7,167.00	7,167.00	37.06	248.48	92.22	1,834.60	-5,876.88	6,247.27	5,967.33	279.94	22.317		
7,600.00	7,133.73	7,166.73	7,166.73	37.37	248.47	92.21	1,834.60	-5,876.88	6,223.15	5,943.19	279.96	22.229		
7,700.00	7,132.66	7,165.66	7,165.66	38.71	248.43	92.17	1,834.60	-5,876.88	6,126.86	5,846.80	280.06	21.877		
7,800.00	7,131.59	7,164.59	7,164.59	40.20	248.39	92.13	1,834.60	-5,876.88	6,030.69	5,750.51	280.18	21.524		
7,900.00	7,130.52	7,163.52	7,163.52	41.84	248.36	92.10	1,834.60	-5,876.88	5,934.64	5,654.30	280.34	21.170		
8,000.00	7,129.45	7,162.45	7,162.45	43.60	248.32	92.06	1,834.60	-5,876.88	5,838.73	5,558.20	280.52	20.814		
8,100.00	7,128.38	7,161.38	7,161.38	45.47	248.28	92.02	1,834.60	-5,876.88	5,742.95	5,462.21	280.75	20.456		
8,200.00	7,127.31	7,160.31	7,160.31	47.44	248.24	91.99	1,834.60	-5,876.88	5,647.33	5,366.32	281.01	20.097		
8,300.00	7,126.24	7,159.24	7,159.24	49.49	248.21	91.95	1,834.60	-5,876.88	5,551.85	5,270.55	281.30	19.736		
8,400.00	7,125.17	7,158.17	7,158.17	51.61	248.17	91.91	1,834.60	-5,876.88	5,456.54	5,174.90	281.64	19.374		
8,500.00	7,124.10	7,157.10	7,157.10	53.81	248.13	91.88	1,834.60	-5,876.88	5,361.40	5,079.37	282.03	19.010		
8,600.00	7,123.03	7,156.03	7,156.03	56.06	248.09	91.84	1,834.60	-5,876.88	5,266.44	4,983.98	282.46	18.645		
8,700.00	7,121.96	7,154.96	7,154.96	58.36	248.06	91.80	1,834.60	-5,876.88	5,171.67	4,888.73	282.94	18.278		
8,800.00	7,120.89	7,153.89	7,153.89	60.71	248.02	91.77	1,834.60	-5,876.88	5,077.10	4,793.62	283.47	17.910		
8,900.00	7,119.82	7,152.82	7,152.82	63.10	247.98	91.73	1,834.60	-5,876.88	4,982.74	4,698.67	284.06	17.541		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	7,151.75	7,151.75	65.53	247.94	91.69	1,834.60	-5,876.88	4,888.60	4,603.89	284.71	17.170		
9,100.00	7,117.68	7,150.68	7,150.68	67.98	247.91	91.66	1,834.60	-5,876.88	4,794.70	4,509.28	285.42	16.799		
9,200.00	7,116.61	7,149.61	7,149.61	70.47	247.87	91.62	1,834.60	-5,876.88	4,701.05	4,414.86	286.20	16.426		
9,300.00	7,115.54	7,148.54	7,148.54	72.98	247.83	91.58	1,834.60	-5,876.88	4,607.67	4,320.63	287.04	16.052		
9,400.00	7,114.47	7,147.47	7,147.47	75.52	247.79	91.55	1,834.60	-5,876.88	4,514.58	4,226.62	287.96	15.678		
9,500.00	7,113.40	7,146.40	7,146.40	78.08	247.76	91.51	1,834.60	-5,876.88	4,421.78	4,132.83	288.95	15.303		
9,600.00	7,112.33	7,145.33	7,145.33	80.65	247.72	91.47	1,834.60	-5,876.88	4,329.31	4,039.28	290.02	14.927		
9,700.00	7,111.26	7,144.26	7,144.26	83.25	247.68	91.44	1,834.60	-5,876.88	4,237.17	3,945.99	291.18	14.552		
9,800.00	7,110.19	7,143.19	7,143.19	85.86	247.65	91.40	1,834.60	-5,876.88	4,145.40	3,852.98	292.43	14.176		
9,900.00	7,109.12	7,142.12	7,142.12	88.48	247.61	91.36	1,834.60	-5,876.88	4,054.02	3,760.26	293.76	13.800		
10,000.00	7,108.04	7,141.04	7,141.04	91.12	247.57	91.32	1,834.60	-5,876.88	3,963.06	3,667.86	295.20	13.425		
10,100.00	7,106.97	7,139.97	7,139.97	93.77	247.53	91.29	1,834.60	-5,876.88	3,872.54	3,575.80	296.74	13.050		
10,200.00	7,105.90	7,138.90	7,138.90	96.43	247.50	91.25	1,834.60	-5,876.88	3,782.50	3,484.11	298.39	12.677		
10,300.00	7,104.83	7,137.83	7,137.83	99.10	247.46	91.21	1,834.60	-5,876.88	3,692.97	3,392.82	300.15	12.304		
10,400.00	7,103.76	7,136.76	7,136.76	101.78	247.42	91.18	1,834.60	-5,876.88	3,603.99	3,301.97	302.02	11.933		
10,500.00	7,102.69	7,135.69	7,135.69	104.47	247.38	91.14	1,834.60	-5,876.88	3,515.60	3,211.57	304.03	11.563		
10,600.00	7,101.62	7,134.62	7,134.62	107.16	247.35	91.10	1,834.60	-5,876.88	3,427.85	3,121.69	306.17	11.196		
10,700.00	7,100.55	7,133.55	7,133.55	109.87	247.31	91.07	1,834.60	-5,876.88	3,340.79	3,032.35	308.44	10.831		
10,800.00	7,099.48	7,132.48	7,132.48	112.58	247.27	91.03	1,834.60	-5,876.88	3,254.48	2,943.61	310.86	10.469		
10,900.00	7,098.41	7,131.41	7,131.41	115.29	247.23	90.99	1,834.60	-5,876.88	3,168.96	2,855.53	313.44	10.110		
11,000.00	7,097.34	7,130.34	7,130.34	118.02	247.20	90.96	1,834.60	-5,876.88	3,084.32	2,768.15	316.17	9.755		
11,100.00	7,096.27	7,129.27	7,129.27	120.74	247.16	90.92	1,834.60	-5,876.88	3,000.62	2,681.55	319.08	9.404		
11,200.00	7,095.20	7,128.20	7,128.20	123.48	247.12	90.88	1,834.60	-5,876.88	2,917.95	2,595.80	322.16	9.058		
11,300.00	7,094.13	7,127.13	7,127.13	126.22	247.08	90.85	1,834.60	-5,876.88	2,836.40	2,510.97	325.42	8.716		
11,400.00	7,093.06	7,126.06	7,126.06	128.96	247.05	90.81	1,834.60	-5,876.88	2,756.06	2,427.17	328.88	8.380		
11,500.00	7,091.99	7,124.99	7,124.99	131.71	247.01	90.77	1,834.60	-5,876.88	2,677.04	2,344.50	332.55	8.050		
11,600.00	7,090.92	7,123.92	7,123.92	134.46	246.97	90.74	1,834.60	-5,876.88	2,599.47	2,263.05	336.42	7.727		
11,700.00	7,089.85	7,122.85	7,122.85	137.21	246.94	90.70	1,834.60	-5,876.88	2,523.48	2,182.98	340.50	7.411		
11,800.00	7,088.78	7,121.78	7,121.78	139.97	246.90	90.66	1,834.60	-5,876.88	2,449.21	2,104.41	344.80	7.103		
11,900.00	7,087.71	7,120.71	7,120.71	142.73	246.86	90.63	1,834.60	-5,876.88	2,376.83	2,027.50	349.33	6.804		
12,000.00	7,086.64	7,119.64	7,119.64	145.50	246.82	90.59	1,834.60	-5,876.88	2,306.51	1,952.44	354.07	6.514		
12,100.00	7,085.57	7,118.57	7,118.57	148.26	246.79	90.55	1,834.60	-5,876.88	2,238.46	1,879.42	359.04	6.235		
12,200.00	7,084.50	7,117.50	7,117.50	151.03	246.75	90.51	1,834.60	-5,876.88	2,172.87	1,808.66	364.21	5.966		
12,300.00	7,083.43	7,116.43	7,116.43	153.81	246.71	90.48	1,834.60	-5,876.88	2,109.99	1,740.41	369.58	5.709		
12,400.00	7,082.36	7,115.36	7,115.36	156.58	246.67	90.44	1,834.60	-5,876.88	2,050.06	1,674.93	375.13	5.465		
12,500.00	7,081.29	7,114.29	7,114.29	159.36	246.64	90.40	1,834.60	-5,876.88	1,993.34	1,612.51	380.83	5.234		
12,600.00	7,080.22	7,113.22	7,113.22	162.14	246.60	90.37	1,834.60	-5,876.88	1,940.12	1,553.49	386.64	5.018		
12,700.00	7,079.15	7,112.15	7,112.15	164.92	246.56	90.33	1,834.60	-5,876.88	1,890.70	1,498.19	392.51	4.817		
12,800.00	7,078.08	7,111.08	7,111.08	167.71	246.52	90.29	1,834.60	-5,876.88	1,845.38	1,446.99	398.39	4.632		
12,900.00	7,077.01	7,110.01	7,110.01	170.49	246.49	90.26	1,834.60	-5,876.88	1,804.46	1,400.25	404.21	4.464		
13,000.00	7,075.93	7,108.93	7,108.93	173.28	246.45	90.22	1,834.60	-5,876.88	1,768.26	1,358.37	409.89	4.314		
13,100.00	7,074.86	7,107.86	7,107.86	176.07	246.41	90.18	1,834.60	-5,876.88	1,737.07	1,321.72	415.35	4.182		
13,200.00	7,073.79	7,106.79	7,106.79	178.86	246.37	90.15	1,834.60	-5,876.88	1,711.16	1,290.66	420.50	4.069		
13,300.00	7,072.72	7,105.72	7,105.72	181.65	246.34	90.11	1,834.60	-5,876.88	1,690.78	1,265.54	425.24	3.976		
13,400.00	7,071.65	7,104.65	7,104.65	184.45	246.30	90.07	1,834.60	-5,876.88	1,676.12	1,246.62	429.50	3.903		
13,500.00	7,070.58	7,103.58	7,103.58	187.25	246.26	90.04	1,834.60	-5,876.88	1,667.34	1,234.15	433.19	3.849		
13,596.76	7,069.55	7,102.55	7,102.55	189.95	246.23	90.00	1,834.60	-5,876.88	1,664.53	1,228.35	436.18	3.816 CC		
13,600.00	7,069.51	7,102.51	7,102.51	190.04	246.23	90.00	1,834.60	-5,876.88	1,664.54	1,228.27	436.27	3.815 ES		
13,700.00	7,068.44	7,101.44	7,101.44	192.84	246.19	89.96	1,834.60	-5,876.88	1,667.73	1,229.05	438.68	3.802 SF		
13,800.00	7,067.37	7,100.37	7,100.37	195.64	246.15	89.93	1,834.60	-5,876.88	1,676.89	1,236.48	440.41	3.808		
13,900.00	7,066.30	7,100.70	7,099.30	198.44	246.16	89.89	1,834.60	-5,876.88	1,691.93	1,250.42	441.51	3.832		
14,000.00	7,065.23	7,101.77	7,098.23	201.24	246.20	89.85	1,834.60	-5,876.88	1,712.68	1,270.69	441.98	3.875		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Boomerang 21-5 - LA POUDRE SOUTH #4 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	7,064.16	7,102.84	7,097.16	204.05	246.24	89.81	1,834.60	-5,876.88	1,738.94	1,297.10	441.84	3.936	
14,200.00	7,063.09	7,103.91	7,096.09	206.85	246.27	89.78	1,834.60	-5,876.88	1,770.46	1,329.32	441.14	4.013	
14,300.00	7,062.02	7,104.98	7,095.02	209.66	246.31	89.74	1,834.60	-5,876.88	1,806.98	1,367.03	439.95	4.107	
14,400.00	7,060.95	7,106.05	7,093.95	212.46	246.35	89.70	1,834.60	-5,876.88	1,848.19	1,409.86	438.33	4.216	
14,500.00	7,059.88	7,107.12	7,092.88	215.27	246.39	89.67	1,834.60	-5,876.88	1,893.79	1,457.43	436.36	4.340	
14,600.00	7,058.81	7,108.19	7,091.81	218.08	246.42	89.63	1,834.60	-5,876.88	1,943.47	1,509.36	434.10	4.477	
14,700.00	7,057.74	7,109.26	7,090.74	220.89	246.46	89.59	1,834.60	-5,876.88	1,996.92	1,565.29	431.62	4.627	
14,800.00	7,056.67	7,089.67	7,089.67	223.70	245.78	89.56	1,834.60	-5,876.88	2,053.85	1,625.59	428.26	4.796	
14,900.00	7,055.60	7,088.60	7,088.60	226.51	245.74	89.52	1,834.60	-5,876.88	2,113.98	1,688.56	425.43	4.969	
15,000.00	7,054.53	7,087.53	7,087.53	229.32	245.70	89.48	1,834.60	-5,876.88	2,177.05	1,754.53	422.52	5.153	
15,100.00	7,053.46	7,086.46	7,086.46	232.14	245.67	89.45	1,834.60	-5,876.88	2,242.80	1,823.22	419.58	5.345	
15,200.00	7,052.39	7,085.39	7,085.39	234.95	245.63	89.41	1,834.60	-5,876.88	2,311.01	1,894.38	416.63	5.547	
15,300.00	7,051.32	7,084.32	7,084.32	237.76	245.59	89.37	1,834.60	-5,876.88	2,381.47	1,967.76	413.70	5.756	
15,400.00	7,050.25	7,083.25	7,083.25	240.58	245.55	89.34	1,834.60	-5,876.88	2,453.97	2,043.16	410.81	5.973	
15,500.00	7,049.18	7,082.18	7,082.18	243.39	245.52	89.30	1,834.60	-5,876.88	2,528.36	2,120.38	407.98	6.197	
15,600.00	7,048.11	7,081.11	7,081.11	246.21	245.48	89.26	1,834.60	-5,876.88	2,604.46	2,199.26	405.20	6.428	
15,703.32	7,047.00	7,080.00	7,080.00	249.12	245.44	89.22	1,834.60	-5,876.88	2,684.73	2,282.32	402.41	6.672	
15,703.90	7,046.99	7,079.99	7,079.99	249.13	245.44	89.22	1,834.60	-5,876.88	2,685.19	2,282.79	402.40	6.673	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	15,761.36	7,060.91	3.28	285.58	-1.37	1,527.29	-36.45	7,269.26					
100.00	100.00	15,761.32	7,060.91	3.28	285.58	-1.37	1,527.29	-36.49	7,171.52	7,055.26	116.26	61.684		
200.00	200.00	15,761.28	7,060.91	3.34	285.58	-1.37	1,527.29	-36.53	7,073.85	6,957.25	116.61	60.665		
300.00	300.00	15,761.24	7,060.91	3.44	285.58	-1.37	1,527.29	-36.57	6,976.24	6,859.28	116.97	59.643		
400.00	399.98	15,762.47	7,060.91	3.60	285.62	-76.63	1,527.32	-35.34	6,878.58	6,761.23	117.35	58.616		
500.00	499.84	15,766.24	7,060.91	3.80	285.74	-85.67	1,527.42	-31.57	6,780.81	6,663.06	117.75	57.586		
600.00	599.45	15,772.55	7,060.91	4.05	285.95	-94.73	1,527.60	-25.27	6,683.05	6,564.88	118.17	56.554		
700.00	698.70	15,781.40	7,060.90	4.32	286.24	-103.36	1,527.86	-16.42	6,585.40	6,466.79	118.61	55.523		
740.00	738.27	15,785.65	7,060.90	4.45	286.38	-106.62	1,527.99	-12.17	6,546.40	6,427.61	118.78	55.112		
800.00	797.57	15,792.33	7,060.89	4.63	286.60	-106.42	1,528.19	-5.49	6,487.94	6,368.88	119.06	54.494		
900.00	896.39	15,803.49	7,060.89	4.96	286.96	-106.08	1,528.56	5.65	6,390.55	6,271.02	119.53	53.463		
1,000.00	995.21	15,814.89	7,060.88	5.32	287.34	-105.72	1,528.96	17.05	6,293.21	6,173.18	120.03	52.430		
1,100.00	1,094.03	15,830.00	7,060.88	5.69	287.84	-105.25	1,529.49	32.15	6,195.94	6,075.33	120.61	51.373		
1,200.00	1,192.86	15,845.14	7,060.88	6.07	288.33	-104.77	1,529.99	47.28	6,098.71	5,977.50	121.21	50.317		
1,300.00	1,291.68	15,860.32	7,060.88	6.47	288.83	-104.29	1,530.47	62.45	6,001.54	5,879.71	121.83	49.261		
1,400.00	1,390.50	15,875.53	7,060.88	6.88	289.33	-103.79	1,530.92	77.66	5,904.43	5,781.94	122.48	48.205		
1,500.00	1,489.33	15,890.77	7,060.89	7.29	289.83	-103.30	1,531.36	92.90	5,807.37	5,684.21	123.17	47.150		
1,600.00	1,588.15	15,906.05	7,060.91	7.71	290.33	-102.79	1,531.76	108.17	5,710.38	5,586.50	123.88	46.096		
1,700.00	1,686.97	15,921.37	7,060.92	8.14	290.84	-102.28	1,532.15	123.48	5,613.46	5,488.84	124.63	45.043		
1,800.00	1,785.79	15,936.71	7,060.95	8.57	291.34	-101.76	1,532.51	138.82	5,516.61	5,391.20	125.41	43.990		
1,900.00	1,884.62	15,952.09	7,060.97	9.01	291.85	-101.23	1,532.84	154.20	5,419.83	5,293.61	126.22	42.939		
2,000.00	1,983.44	15,963.04	7,060.98	9.45	292.21	-100.85	1,533.13	165.14	5,323.14	5,196.13	127.01	41.910		
2,100.00	2,082.26	15,976.01	7,061.00	9.89	292.63	-100.40	1,533.46	178.10	5,226.54	5,098.66	127.88	40.872		
2,200.00	2,181.09	15,988.97	7,061.01	10.33	293.06	-99.94	1,533.81	191.06	5,130.03	5,001.25	128.78	39.835		
2,300.00	2,279.91	16,001.91	7,061.03	10.78	293.48	-99.48	1,534.19	204.00	5,033.62	4,903.88	129.73	38.799		
2,400.00	2,378.73	16,014.85	7,061.04	11.23	293.91	-99.01	1,534.57	216.93	4,937.31	4,806.58	130.74	37.765		
2,500.00	2,477.55	16,027.78	7,061.04	11.68	294.33	-98.54	1,534.98	229.85	4,841.12	4,709.33	131.79	36.733		
2,600.00	2,576.38	16,042.57	7,061.05	12.13	294.82	-97.99	1,535.46	244.64	4,745.04	4,612.11	132.93	35.695		
2,700.00	2,675.20	16,058.61	7,061.06	12.59	295.35	-97.39	1,535.97	260.67	4,649.09	4,514.93	134.15	34.655		
2,800.00	2,774.02	16,074.63	7,061.07	13.04	295.87	-96.79	1,536.46	276.68	4,553.25	4,417.81	135.44	33.619		
2,900.00	2,872.85	16,090.62	7,061.07	13.50	296.40	-96.18	1,536.93	292.66	4,457.55	4,320.76	136.78	32.588		
3,000.00	2,971.67	16,106.57	7,061.07	13.96	296.92	-95.56	1,537.39	308.61	4,361.98	4,223.78	138.20	31.562		
3,100.00	3,070.49	16,122.50	7,061.08	14.41	297.45	-94.94	1,537.83	324.54	4,266.57	4,126.87	139.70	30.542		
3,200.00	3,169.31	16,138.41	7,061.08	14.87	297.97	-94.31	1,538.25	340.43	4,171.32	4,030.05	141.27	29.527		
3,300.00	3,268.14	16,154.28	7,061.08	15.33	298.49	-93.68	1,538.66	356.30	4,076.24	3,933.31	142.93	28.519		
3,400.00	3,366.96	16,168.02	7,061.08	15.79	298.94	-93.12	1,539.01	370.04	3,981.35	3,836.71	144.64	27.525		
3,500.00	3,465.78	16,175.00	7,061.08	16.25	299.17	-92.84	1,539.18	377.02	3,886.67	3,740.33	146.34	26.560		
3,600.00	3,564.61	16,175.00	7,061.08	16.72	299.17	-92.84	1,539.18	377.02	3,792.25	3,644.25	148.00	25.623		
3,700.00	3,663.43	16,175.00	7,061.08	17.18	299.17	-92.84	1,539.18	377.02	3,698.13	3,548.36	149.77	24.691		
3,800.00	3,762.25	16,175.00	7,061.08	17.64	299.17	-92.84	1,539.18	377.02	3,604.33	3,452.68	151.65	23.767		
3,900.00	3,861.07	16,175.00	7,061.08	18.10	299.17	-92.84	1,539.18	377.02	3,510.87	3,357.23	153.64	22.851		
4,000.00	3,959.90	16,175.00	7,061.08	18.57	299.17	-92.84	1,539.18	377.02	3,417.78	3,262.03	155.76	21.943		
4,100.00	4,058.72	16,175.00	7,061.08	19.03	299.17	-92.84	1,539.18	377.02	3,325.09	3,167.09	158.00	21.045		
4,200.00	4,157.54	16,175.00	7,061.08	19.50	299.17	-92.84	1,539.18	377.02	3,232.84	3,072.46	160.38	20.158		
4,300.00	4,256.37	16,175.00	7,061.08	19.96	299.17	-92.84	1,539.18	377.02	3,141.06	2,978.15	162.91	19.281		
4,400.00	4,355.19	16,175.00	7,061.08	20.43	299.17	-92.84	1,539.18	377.02	3,049.80	2,884.21	165.59	18.418		
4,500.00	4,454.01	16,175.00	7,061.08	20.89	299.17	-92.84	1,539.18	377.02	2,959.10	2,790.65	168.45	17.567		
4,600.00	4,552.83	16,175.00	7,061.08	21.36	299.17	-92.84	1,539.18	377.02	2,869.02	2,697.54	171.48	16.731		
4,700.00	4,651.66	16,175.00	7,061.08	21.82	299.17	-92.84	1,539.18	377.02	2,779.62	2,604.91	174.71	15.910		
4,800.00	4,750.48	16,175.00	7,061.08	22.29	299.17	-92.84	1,539.18	377.02	2,690.97	2,512.82	178.14	15.106		
4,900.00	4,849.30	16,175.00	7,061.08	22.76	299.17	-92.84	1,539.18	377.02	2,603.13	2,421.34	181.79	14.319		
5,000.00	4,948.13	16,175.00	7,061.08	23.22	299.17	-92.84	1,539.18	377.02	2,516.21	2,330.53	185.68	13.551		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	16,175.00	7,061.08	23.69	299.17	-92.84	1,539.18	377.02	2,430.29	2,240.48	189.81	12.804		
5,200.00	5,145.77	16,175.00	7,061.08	24.16	299.17	-92.84	1,539.18	377.02	2,345.49	2,151.28	194.21	12.077		
5,300.00	5,244.59	16,175.00	7,061.08	24.62	299.17	-92.84	1,539.18	377.02	2,261.93	2,063.05	198.89	11.373		
5,400.00	5,343.42	16,175.00	7,061.08	25.09	299.17	-92.84	1,539.18	377.02	2,179.76	1,975.91	203.85	10.693		
5,500.00	5,442.24	16,175.00	7,061.08	25.56	299.17	-92.84	1,539.18	377.02	2,099.13	1,890.02	209.11	10.038		
5,600.00	5,541.06	16,175.00	7,061.08	26.03	299.17	-92.84	1,539.18	377.02	2,020.24	1,805.56	214.68	9.411		
5,700.00	5,639.89	16,175.00	7,061.08	26.50	299.17	-92.84	1,539.18	377.02	1,943.29	1,722.73	220.55	8.811		
5,800.00	5,738.71	16,175.00	7,061.08	26.96	299.17	-92.84	1,539.18	377.02	1,868.52	1,641.79	226.73	8.241		
5,900.00	5,837.53	16,175.00	7,061.08	27.43	299.17	-92.84	1,539.18	377.02	1,796.21	1,563.03	233.19	7.703		
6,000.00	5,936.35	16,175.00	7,061.08	27.90	299.17	-92.84	1,539.18	377.02	1,726.67	1,486.77	239.90	7.197		
6,100.00	6,035.18	16,175.00	7,061.08	28.37	299.17	-92.84	1,539.18	377.02	1,660.24	1,413.43	246.81	6.727		
6,200.00	6,134.00	16,175.00	7,061.08	28.84	299.17	-92.84	1,539.18	377.02	1,597.31	1,343.46	253.86	6.292		
6,300.00	6,232.82	16,175.00	7,061.08	29.31	299.17	-92.84	1,539.18	377.02	1,538.32	1,277.38	260.93	5.895		
6,400.00	6,331.64	16,175.00	7,061.08	29.77	299.17	-92.84	1,539.18	377.02	1,483.72	1,215.82	267.90	5.538		
6,477.15	6,407.89	16,175.00	7,061.08	30.14	299.17	-92.84	1,539.18	377.02	1,444.92	1,171.81	273.11	5.291		
6,500.00	6,430.52	16,175.00	7,061.08	30.24	299.17	-85.57	1,539.18	377.02	1,433.88	1,159.25	274.63	5.221		
6,550.00	6,480.31	16,175.00	7,061.08	30.46	299.17	-47.91	1,539.18	377.02	1,409.71	1,131.63	278.08	5.069		
6,600.00	6,530.22	16,175.00	7,061.08	30.66	299.17	22.72	1,539.18	377.02	1,385.67	1,104.00	281.66	4.920		
6,650.00	6,579.93	16,175.00	7,061.08	30.85	299.17	49.74	1,539.18	377.02	1,361.90	1,076.52	285.38	4.772		
6,700.00	6,629.13	16,175.00	7,061.08	31.04	299.17	60.44	1,539.18	377.02	1,338.58	1,049.37	289.21	4.628		
6,750.00	6,677.53	16,175.00	7,061.08	31.23	299.17	66.70	1,539.18	377.02	1,315.88	1,022.74	293.13	4.489		
6,800.00	6,724.83	16,175.00	7,061.08	31.43	299.17	71.18	1,539.18	377.02	1,293.96	996.84	297.13	4.355		
6,850.00	6,770.73	16,175.00	7,061.08	31.63	299.17	74.73	1,539.18	377.02	1,273.02	971.87	301.15	4.227		
6,900.00	6,814.95	16,175.00	7,061.08	31.84	299.17	77.69	1,539.18	377.02	1,253.23	948.07	305.17	4.107		
6,950.00	6,857.22	16,175.00	7,061.08	32.06	299.17	80.23	1,539.18	377.02	1,234.78	925.65	309.13	3.994		
7,000.00	6,897.28	16,175.00	7,061.08	32.29	299.17	82.42	1,539.18	377.02	1,217.83	904.84	312.99	3.891		
7,050.00	6,934.88	16,175.00	7,061.08	32.54	299.17	84.30	1,539.18	377.02	1,202.57	885.87	316.70	3.797		
7,100.00	6,969.79	16,175.00	7,061.08	32.81	299.17	85.90	1,539.18	377.02	1,189.14	868.95	320.20	3.714		
7,150.00	7,001.79	16,175.00	7,061.08	33.11	299.17	87.24	1,539.18	377.02	1,177.71	854.27	323.43	3.641		
7,200.00	7,030.69	16,175.00	7,061.08	33.44	299.17	88.31	1,539.18	377.02	1,168.39	842.04	326.35	3.580		
7,250.00	7,056.31	16,175.00	7,061.08	33.81	299.17	89.13	1,539.18	377.02	1,161.29	832.40	328.89	3.531		
7,300.00	7,078.48	16,175.00	7,061.08	34.21	299.17	89.70	1,539.18	377.02	1,156.51	825.48	331.03	3.494		
7,350.00	7,097.08	16,175.00	7,061.08	34.65	299.17	90.03	1,539.18	377.02	1,154.10	821.38	332.72	3.469 SF		
7,400.00	7,112.00	16,139.79	7,061.08	35.12	298.01	89.66	1,538.29	341.82	1,153.56	821.32	332.25	3.472		
7,450.00	7,123.12	16,087.17	7,061.07	35.64	296.28	89.16	1,536.83	289.22	1,153.36	822.47	330.89	3.486		
7,500.00	7,130.40	16,033.78	7,061.05	36.19	294.53	88.82	1,535.18	235.85	1,153.22	823.69	329.54	3.500		
7,515.89	7,131.90	16,019.62	7,061.04	36.37	294.06	88.76	1,534.72	221.70	1,153.20	823.93	329.28	3.502		
7,550.00	7,133.78	15,989.45	7,061.01	36.77	293.07	88.68	1,533.83	191.55	1,153.29	824.56	328.74	3.508		
7,574.97	7,134.00	15,967.33	7,060.99	37.06	292.35	88.65	1,533.24	169.43	1,153.47	825.12	328.36	3.513		
7,600.00	7,133.73	15,946.95	7,060.96	37.37	291.68	88.66	1,532.73	149.05	1,153.73	825.65	328.08	3.517		
7,700.00	7,132.66	15,832.74	7,060.88	38.71	287.93	88.72	1,529.58	34.89	1,154.42	829.03	325.39	3.548		
7,800.00	7,131.59	15,744.80	7,060.92	40.20	285.04	88.77	1,526.88	-53.01	1,154.83	830.59	324.24	3.562		
7,900.00	7,130.52	15,645.16	7,060.97	41.84	281.76	88.83	1,524.79	-152.62	1,156.18	833.57	322.61	3.584		
8,000.00	7,129.45	15,544.58	7,061.02	43.60	278.46	88.88	1,522.37	-253.17	1,157.23	836.18	321.05	3.605		
8,100.00	7,128.38	15,435.97	7,060.97	45.47	274.90	88.94	1,519.40	-361.75	1,157.96	838.77	319.19	3.628		
8,200.00	7,127.31	15,335.05	7,060.93	47.44	271.59	88.99	1,516.06	-462.61	1,158.10	840.28	317.82	3.644		
8,300.00	7,126.24	15,258.83	7,060.57	49.49	269.09	89.01	1,514.41	-538.81	1,159.41	841.61	317.79	3.648		
8,400.00	7,125.17	15,191.34	7,060.18	51.61	266.86	89.03	1,514.56	-606.30	1,163.11	845.04	318.07	3.657		
8,500.00	7,124.10	15,007.14	7,056.30	53.81	260.82	88.94	1,511.38	-790.32	1,165.09	852.34	312.75	3.725		
8,600.00	7,123.03	14,897.60	7,052.49	56.06	257.26	88.81	1,504.65	-899.59	1,162.46	851.32	311.13	3.736		
8,700.00	7,121.96	14,807.20	7,049.30	58.36	254.32	88.70	1,499.09	-989.75	1,159.84	849.13	310.71	3.733		
8,800.00	7,120.89	14,717.60	7,046.54	60.71	251.41	88.60	1,494.49	-1,079.20	1,158.22	847.85	310.37	3.732		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,119.82	14,624.77	7,044.58	63.10	248.38	88.56	1,490.44	-1,171.92	1,157.37	847.50	309.87	3.735		
9,000.00	7,118.75	14,529.31	7,043.16	65.53	245.26	88.54	1,486.77	-1,267.29	1,157.01	847.75	309.26	3.741		
9,100.00	7,117.68	14,410.12	7,043.52	67.98	241.38	88.62	1,481.70	-1,386.37	1,156.23	848.87	307.36	3.762		
9,200.00	7,116.61	14,295.50	7,043.98	70.47	237.66	88.70	1,474.97	-1,500.79	1,153.80	848.09	305.71	3.774		
9,300.00	7,115.54	14,175.39	7,044.18	72.98	233.78	88.76	1,466.05	-1,620.57	1,149.82	846.14	303.68	3.786		
9,400.00	7,114.47	14,069.12	7,044.34	75.52	230.37	88.82	1,456.72	-1,726.42	1,144.48	841.94	302.54	3.783		
9,500.00	7,113.40	13,971.68	7,044.51	78.08	227.24	88.88	1,448.17	-1,823.49	1,139.15	837.13	302.02	3.772		
9,600.00	7,112.33	13,885.70	7,044.70	80.65	224.47	88.93	1,441.13	-1,909.18	1,134.43	832.17	302.26	3.753		
9,700.00	7,111.26	13,799.02	7,044.94	83.25	221.68	88.99	1,435.28	-1,995.67	1,131.12	828.68	302.45	3.740		
9,800.00	7,110.19	13,715.88	7,045.24	85.86	218.99	89.05	1,430.57	-2,078.67	1,128.93	826.11	302.81	3.728		
9,872.34	7,109.41	13,658.41	7,045.43	87.76	217.12	89.09	1,428.24	-2,136.09	1,128.48	825.29	303.20	3.722		
9,900.00	7,109.12	13,632.75	7,045.53	88.48	216.29	89.11	1,427.38	-2,161.74	1,128.51	825.38	303.13	3.723		
10,000.00	7,108.04	13,545.97	7,046.01	91.12	213.47	89.18	1,424.87	-2,248.48	1,129.10	825.89	303.21	3.724		
10,100.00	7,106.97	13,463.70	7,046.19	93.77	210.79	89.23	1,424.02	-2,330.75	1,131.48	828.00	303.48	3.728		
10,200.00	7,105.90	13,358.82	7,046.25	96.43	207.37	89.29	1,422.68	-2,435.61	1,133.64	831.01	302.63	3.746		
10,300.00	7,104.83	13,284.88	7,046.42	99.10	204.96	89.34	1,422.88	-2,509.55	1,137.34	834.11	303.23	3.751		
10,400.00	7,103.76	13,189.15	7,046.64	101.78	201.83	89.41	1,424.42	-2,605.27	1,142.41	839.60	302.81	3.773		
10,500.00	7,102.69	13,039.95	7,047.10	104.47	196.97	89.51	1,424.17	-2,754.45	1,145.86	845.94	299.91	3.821		
10,600.00	7,101.62	12,904.73	7,047.39	107.16	192.61	89.60	1,418.03	-2,889.53	1,144.65	847.26	297.39	3.849		
10,700.00	7,100.55	12,814.19	7,047.45	109.87	189.70	89.65	1,413.29	-2,979.95	1,142.88	845.48	297.40	3.843		
10,800.00	7,099.48	12,705.74	7,047.49	112.58	186.22	89.71	1,407.84	-3,088.26	1,141.35	844.98	296.37	3.851		
10,900.00	7,098.41	12,586.68	7,047.60	115.29	182.41	89.78	1,399.71	-3,207.04	1,137.91	843.23	294.68	3.862		
11,000.00	7,097.34	12,472.12	7,047.75	118.02	178.78	89.85	1,390.92	-3,321.26	1,133.74	840.52	293.22	3.867		
11,100.00	7,096.27	12,361.74	7,048.00	120.74	175.29	89.92	1,380.81	-3,431.18	1,128.04	836.03	292.01	3.863		
11,200.00	7,095.20	12,303.89	7,047.86	123.48	173.45	89.95	1,376.31	-3,488.85	1,123.78	829.54	294.25	3.819		
11,264.87	7,094.51	12,265.00	7,047.41	125.25	172.22	89.94	1,374.58	-3,527.69	1,123.11	827.68	295.42	3.802		
11,300.00	7,094.13	12,241.93	7,047.02	126.22	171.48	89.94	1,373.95	-3,550.75	1,123.34	827.45	295.89	3.796		
11,400.00	7,093.06	12,160.93	7,045.17	128.96	168.87	89.89	1,372.94	-3,631.72	1,125.52	829.18	296.34	3.798		
11,500.00	7,091.99	11,993.35	7,040.96	131.71	163.53	89.76	1,366.29	-3,799.09	1,124.86	832.77	292.09	3.851		
11,600.00	7,090.92	11,891.00	7,038.62	134.46	160.30	89.70	1,359.16	-3,901.17	1,121.36	829.91	291.46	3.847		
11,700.00	7,089.85	11,814.05	7,037.52	137.21	157.86	89.68	1,354.61	-3,977.98	1,118.93	826.55	292.38	3.827		
11,758.04	7,089.23	11,771.65	7,037.34	138.81	156.52	89.70	1,352.82	-4,020.33	1,118.51	825.50	293.00	3.817		
11,800.00	7,088.78	11,742.01	7,037.21	139.97	155.57	89.71	1,351.96	-4,049.96	1,118.74	825.27	293.47	3.812		
11,900.00	7,087.71	11,660.21	7,036.75	142.73	152.96	89.73	1,350.95	-4,131.75	1,120.93	827.01	293.92	3.814		
12,000.00	7,086.64	11,565.74	7,036.52	145.50	149.95	89.77	1,350.45	-4,226.22	1,123.87	830.15	293.71	3.826		
12,100.00	7,085.57	11,456.34	7,036.53	148.26	146.46	89.83	1,350.10	-4,335.62	1,127.06	834.25	292.81	3.849		
12,200.00	7,084.50	11,350.10	7,036.64	151.03	143.09	89.89	1,348.38	-4,441.85	1,128.89	836.84	292.05	3.865		
12,300.00	7,083.43	11,257.19	7,036.60	153.81	140.15	89.94	1,347.08	-4,534.75	1,130.98	839.01	291.96	3.874		
12,400.00	7,082.36	11,166.05	7,035.56	156.58	137.27	89.94	1,346.49	-4,625.87	1,133.81	841.87	291.94	3.884		
12,500.00	7,081.29	11,044.20	7,033.56	159.36	133.43	89.91	1,345.36	-4,747.71	1,136.42	845.98	290.45	3.913		
12,600.00	7,080.22	10,938.72	7,031.85	162.14	130.13	89.88	1,342.77	-4,853.14	1,137.44	847.69	289.75	3.926		
12,700.00	7,079.15	10,842.08	7,030.38	164.92	127.11	89.85	1,340.24	-4,949.73	1,138.31	848.80	289.51	3.932		
12,800.00	7,078.08	10,736.97	7,028.79	167.71	123.85	89.83	1,338.23	-5,054.81	1,139.91	851.06	288.85	3.946		
12,900.00	7,077.01	10,489.00	7,022.91	170.49	116.45	89.66	1,313.72	-5,301.27	1,132.62	853.90	278.71	4.064		
13,000.00	7,075.93	10,416.68	7,021.85	173.28	114.36	89.65	1,303.01	-5,372.78	1,121.32	840.79	280.52	3.997		
13,100.00	7,074.86	10,331.94	7,021.22	176.07	111.90	89.66	1,292.43	-5,456.86	1,112.24	830.92	281.32	3.954		
13,200.00	7,073.79	10,259.98	7,020.90	178.86	109.81	89.68	1,284.36	-5,528.37	1,104.60	821.62	282.98	3.903		
13,300.00	7,072.72	10,192.05	7,021.52	181.65	107.82	89.75	1,278.99	-5,596.07	1,100.08	815.32	284.75	3.863		
13,400.00	7,071.65	10,107.92	7,022.80	184.45	105.35	89.86	1,274.03	-5,680.04	1,097.63	812.22	285.41	3.846		
13,500.00	7,070.58	10,013.65	7,024.56	187.25	102.58	90.01	1,269.19	-5,774.17	1,095.98	810.52	285.45	3.839		
13,554.94	7,070.00	9,972.46	7,025.37	188.78	101.37	90.07	1,267.50	-5,815.32	1,095.63	809.57	286.06	3.830		
13,600.00	7,069.51	9,938.67	7,026.03	190.04	100.38	90.13	1,266.49	-5,849.09	1,095.87	809.34	286.53	3.825		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	7,068.44	9,868.35	7,027.39	192.84	98.31	90.24	1,265.70	-5,919.39	1,098.23	810.56	287.67	3.818		
13,800.00	7,067.37	9,795.56	7,028.79	195.64	96.16	90.35	1,266.83	-5,992.15	1,103.25	814.72	288.53	3.824		
13,900.00	7,066.30	9,716.65	7,030.18	198.44	93.83	90.46	1,269.83	-6,070.99	1,110.52	821.50	289.02	3.842		
14,000.00	7,065.23	9,631.27	7,030.73	201.24	91.32	90.53	1,274.23	-6,156.26	1,119.17	829.95	289.22	3.870		
14,100.00	7,064.16	9,549.49	7,030.85	204.05	88.92	90.58	1,279.77	-6,237.85	1,129.40	839.93	289.48	3.902		
14,200.00	7,063.09	9,418.75	7,030.94	206.85	85.15	90.65	1,287.81	-6,368.33	1,139.05	850.71	288.35	3.950		
14,300.00	7,062.02	9,294.41	7,030.70	209.66	81.67	90.70	1,292.08	-6,492.60	1,145.93	858.59	287.33	3.988		
14,400.00	7,060.95	9,207.92	7,029.80	212.46	79.29	90.70	1,294.56	-6,579.05	1,152.30	864.66	287.64	4.006		
14,500.00	7,059.88	9,086.64	7,028.94	215.27	76.05	90.71	1,298.61	-6,700.26	1,159.23	872.45	286.78	4.042		
14,600.00	7,058.81	8,938.40	7,027.50	218.08	72.32	90.72	1,298.43	-6,848.48	1,162.65	877.82	284.82	4.082		
14,700.00	7,057.74	8,780.43	7,025.84	220.89	68.72	90.72	1,290.46	-7,006.22	1,160.93	878.81	282.12	4.115		
14,800.00	7,056.67	8,679.80	7,025.59	223.70	66.65	90.76	1,282.95	-7,106.56	1,156.95	874.71	282.24	4.099		
14,900.00	7,055.60	8,570.28	7,026.23	226.51	64.59	90.86	1,274.95	-7,215.80	1,153.19	871.20	281.98	4.090		
15,000.00	7,054.53	8,440.35	7,027.50	229.32	62.46	91.00	1,262.39	-7,345.10	1,146.96	866.22	280.75	4.085		
15,100.00	7,053.46	8,334.45	7,028.40	232.14	61.01	91.10	1,250.59	-7,450.34	1,139.32	858.42	280.90	4.056		
15,200.00	7,052.39	8,238.41	7,029.24	234.95	59.89	91.21	1,239.83	-7,545.77	1,131.61	849.92	281.69	4.017		
15,300.00	7,051.32	8,149.56	7,029.98	237.76	59.00	91.30	1,230.46	-7,634.13	1,124.57	841.63	282.94	3.975		
15,400.00	7,050.25	8,071.94	7,030.59	240.58	58.33	91.38	1,223.05	-7,711.38	1,118.64	833.90	284.73	3.929		
15,500.00	7,049.18	7,937.34	7,031.18	243.39	57.42	91.49	1,209.86	-7,845.33	1,112.29	828.03	284.26	3.913		
15,600.00	7,048.11	7,826.37	7,029.54	246.21	56.90	91.48	1,196.90	-7,955.52	1,104.06	819.03	285.03	3.873		
15,703.32	7,047.00	7,747.72	7,024.38	249.12	56.61	91.27	1,187.58	-8,033.44	1,095.47	808.03	287.44	3.811		
15,703.90	7,046.99	7,747.44	7,024.35	249.13	56.61	91.26	1,187.55	-8,033.71	1,095.43	807.97	287.46	3.811 CC, ES		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.64	2,686.48	-8,092.57	8,806.22					
100.00	100.00	2,280.26	2,198.25	3.28	15.01	-71.71	2,673.45	-8,086.46	8,781.49	8,764.62	16.87	520.415		
200.00	200.00	2,328.00	2,242.99	3.34	15.41	-71.79	2,658.10	-8,079.95	8,757.52	8,740.29	17.23	508.186		
300.00	300.00	2,353.42	2,266.81	3.44	15.62	-71.84	2,649.84	-8,076.70	8,734.18	8,716.69	17.49	499.385		
400.00	399.98	2,397.21	2,307.83	3.60	15.99	-138.86	2,635.51	-8,071.33	8,712.78	8,694.86	17.92	486.100		
500.00	499.84	2,451.84	2,359.02	3.80	16.44	-139.22	2,617.49	-8,065.02	8,694.56	8,676.08	18.48	470.400		
600.00	599.45	2,543.79	2,445.16	4.05	17.21	-139.62	2,587.03	-8,054.75	8,679.38	8,660.01	19.37	448.191		
700.00	698.70	2,713.52	2,604.32	4.32	18.62	-140.19	2,531.91	-8,033.86	8,665.96	8,645.11	20.85	415.600		
740.00	738.27	2,727.62	2,617.56	4.45	18.74	-140.28	2,527.35	-8,032.11	8,661.45	8,640.38	21.07	411.169		
800.00	797.57	2,748.74	2,637.38	4.63	18.92	-140.33	2,520.52	-8,029.56	8,655.23	8,633.83	21.40	404.436		
900.00	896.39	2,775.00	2,662.03	4.96	19.14	-140.40	2,512.01	-8,026.52	8,645.49	8,623.57	21.92	394.426		
1,000.00	995.21	2,827.72	2,711.53	5.32	19.58	-140.53	2,494.77	-8,020.82	8,636.44	8,613.78	22.66	381.145		
1,100.00	1,094.03	2,875.38	2,756.23	5.69	19.97	-140.65	2,478.95	-8,016.09	8,628.10	8,604.72	23.38	368.988		
1,200.00	1,192.86	2,971.27	2,846.17	6.07	20.77	-140.89	2,447.01	-8,006.79	8,620.13	8,595.64	24.49	352.019		
1,300.00	1,291.68	3,066.43	2,935.42	6.47	21.57	-141.14	2,415.33	-7,997.49	8,612.26	8,586.66	25.60	336.375		
1,400.00	1,390.50	3,158.91	3,022.16	6.88	22.35	-141.38	2,384.55	-7,988.52	8,604.63	8,577.92	26.71	322.120		
1,500.00	1,489.33	3,251.40	3,109.90	7.29	23.13	-141.62	2,353.77	-7,979.55	8,596.61	8,568.99	27.82	308.865		
1,600.00	1,588.15	3,343.89	3,197.39	7.71	23.91	-141.86	2,323.00	-7,970.58	8,587.68	8,559.50	28.93	295.610		
1,700.00	1,686.97	3,436.38	3,284.88	8.14	24.69	-142.10	2,292.22	-7,961.61	8,578.75	8,550.57	30.04	282.355		
1,800.00	1,785.79	3,528.87	3,372.37	8.57	25.47	-142.34	2,261.45	-7,952.64	8,569.82	8,541.64	31.15	269.100		
1,900.00	1,884.62	3,621.36	3,459.86	9.01	26.25	-142.58	2,230.67	-7,943.67	8,560.89	8,532.71	32.26	255.845		
2,000.00	1,983.44	3,713.85	3,547.35	9.45	27.03	-142.82	2,200.00	-7,934.70	8,551.96	8,523.78	33.37	242.590		
2,100.00	2,082.26	3,806.34	3,634.84	9.89	27.81	-143.06	2,169.22	-7,925.73	8,543.03	8,514.85	34.48	229.335		
2,200.00	2,181.09	3,898.83	3,722.33	10.33	28.59	-143.30	2,138.45	-7,916.76	8,534.10	8,505.92	35.59	216.080		
2,300.00	2,279.91	3,991.32	3,809.82	10.78	29.37	-143.54	2,107.67	-7,907.79	8,525.17	8,497.00	36.70	202.825		
2,400.00	2,378.73	4,083.81	3,897.31	11.23	30.15	-143.78	2,076.90	-7,898.82	8,516.24	8,488.07	37.81	189.570		
2,500.00	2,477.55	4,176.30	3,984.80	11.68	30.93	-144.02	2,046.12	-7,889.85	8,507.31	8,479.14	38.92	176.315		
2,600.00	2,576.38	4,268.79	4,072.29	12.13	31.71	-144.26	2,015.35	-7,880.88	8,498.38	8,470.21	40.03	163.060		
2,700.00	2,675.20	4,361.28	4,159.78	12.59	32.49	-144.50	1,984.57	-7,871.91	8,489.45	8,461.28	41.14	149.805		
2,800.00	2,774.02	4,453.77	4,247.27	13.04	33.27	-144.74	1,953.80	-7,862.94	8,480.52	8,452.35	42.25	136.550		
2,900.00	2,872.85	4,546.26	4,334.76	13.50	34.05	-144.98	1,923.02	-7,853.97	8,471.59	8,443.42	43.36	123.295		
3,000.00	2,971.67	4,638.75	4,422.25	13.96	34.83	-145.22	1,892.25	-7,845.00	8,462.66	8,434.49	44.47	110.040		
3,100.00	3,070.49	4,731.24	4,509.74	14.41	35.61	-145.46	1,861.47	-7,836.03	8,453.73	8,425.56	45.58	96.785		
3,200.00	3,169.31	4,823.73	4,597.23	14.87	36.39	-145.70	1,830.70	-7,827.06	8,444.80	8,416.63	46.69	83.530		
3,300.00	3,268.14	4,916.22	4,684.72	15.33	37.17	-145.94	1,800.00	-7,818.09	8,435.87	8,407.70	47.80	70.275		
3,400.00	3,366.96	5,008.71	4,772.21	15.79	37.95	-146.18	1,769.22	-7,809.12	8,426.94	8,398.77	48.91	57.020		
3,500.00	3,465.78	5,101.20	4,859.70	16.25	38.73	-146.42	1,738.45	-7,800.15	8,418.01	8,389.84	50.02	43.765		
3,600.00	3,564.61	5,193.69	4,947.19	16.72	39.51	-146.66	1,707.67	-7,791.18	8,409.08	8,380.91	51.13	30.510		
3,700.00	3,663.43	5,286.18	5,034.68	17.18	40.29	-146.90	1,676.90	-7,782.21	8,400.15	8,372.00	52.24	17.255		
3,800.00	3,762.25	5,378.67	5,122.17	17.64	41.07	-147.14	1,646.12	-7,773.24	8,391.22	8,363.07	53.35	4.000		
3,900.00	3,861.07	5,471.16	5,209.66	18.10	41.85	-147.38	1,615.35	-7,764.27	8,382.29	8,354.14	54.46			
4,000.00	3,959.90	5,563.65	5,297.15	18.57	42.63	-147.62	1,584.57	-7,755.30	8,373.36	8,345.21	55.57			
4,100.00	4,058.72	5,656.14	5,384.64	19.03	43.41	-147.86	1,553.80	-7,746.33	8,364.43	8,336.28	56.68			
4,200.00	4,157.54	5,748.63	5,472.13	19.50	44.19	-148.10	1,523.02	-7,737.36	8,355.50	8,327.35	57.79			
4,300.00	4,256.37	5,841.12	5,559.62	19.96	44.97	-148.34	1,492.25	-7,728.39	8,346.57	8,318.42	58.90			
4,400.00	4,355.19	5,933.61	5,647.11	20.43	45.75	-148.58	1,461.47	-7,719.42	8,337.64	8,309.49	60.01			
4,500.00	4,454.01	6,026.10	5,734.60	20.89	46.53	-148.82	1,430.70	-7,710.45	8,328.71	8,300.56	61.12			
4,600.00	4,552.83	6,118.59	5,822.09	21.36	47.31	-149.06	1,400.00	-7,701.48	8,319.78	8,291.63	62.23			
4,700.00	4,651.66	6,211.08	5,909.58	21.82	48.09	-149.30	1,369.22	-7,692.51	8,310.85	8,282.70	63.34			
4,800.00	4,750.48	6,303.57	5,997.07	22.29	48.87	-149.54	1,338.45	-7,683.54	8,301.92	8,273.77	64.45			
4,900.00	4,849.30	6,396.06	6,084.56	22.76	49.65	-149.78	1,307.67	-7,674.57	8,293.00	8,264.84	65.56			
5,000.00	4,948.13	6,488.55	6,172.05	23.22	50.43	-149.99	1,276.90	-7,665.60	8,284.07	8,255.91	66.67			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	6,488.37	6,145.98	23.69	50.83	-149.68	1,324.53	-7,545.05	8,333.39	8,263.36	70.04	118.989		
5,160.87	5,107.10	6,511.55	6,167.80	23.97	51.02	-149.74	1,316.97	-7,543.03	8,333.24	8,262.71	70.53	118.153		
5,200.00	5,145.77	6,534.00	6,188.96	24.16	51.21	-149.80	1,309.72	-7,541.14	8,333.31	8,262.40	70.91	117.522		
5,300.00	5,244.59	6,534.00	6,188.96	24.62	51.21	-149.80	1,309.72	-7,541.14	8,334.12	8,262.72	71.40	116.720		
5,400.00	5,343.42	6,534.00	6,188.96	25.09	51.21	-149.80	1,309.72	-7,541.14	8,336.14	8,264.25	71.89	115.961		
5,500.00	5,442.24	6,534.00	6,188.96	25.56	51.21	-149.80	1,309.72	-7,541.14	8,339.35	8,266.99	72.36	115.244		
5,600.00	5,541.06	6,577.58	6,230.11	26.03	51.55	-149.92	1,295.65	-7,538.37	8,342.84	8,269.65	73.19	113.982		
5,700.00	5,639.89	6,624.00	6,273.97	26.50	51.92	-150.04	1,280.51	-7,537.23	8,348.50	8,274.45	74.05	112.744		
5,800.00	5,738.71	6,624.00	6,273.97	26.96	51.92	-150.04	1,280.51	-7,537.23	8,354.31	8,279.81	74.50	112.136		
5,900.00	5,837.53	6,624.00	6,273.97	27.43	51.92	-150.04	1,280.51	-7,537.23	8,361.31	8,286.36	74.94	111.566		
6,000.00	5,936.35	6,624.00	6,273.97	27.90	51.92	-150.04	1,280.51	-7,537.23	8,369.50	8,294.12	75.38	111.035		
6,100.00	6,035.18	6,624.00	6,273.97	28.37	51.92	-150.04	1,280.51	-7,537.23	8,378.87	8,303.07	75.80	110.541		
6,200.00	6,134.00	6,624.00	6,273.97	28.84	51.92	-150.04	1,280.51	-7,537.23	8,389.43	8,313.22	76.21	110.083		
6,300.00	6,232.82	6,624.00	6,273.97	29.31	51.92	-150.04	1,280.51	-7,537.23	8,401.16	8,324.56	76.61	109.662		
6,400.00	6,331.64	6,624.00	6,273.97	29.77	51.92	-150.04	1,280.51	-7,537.23	8,414.07	8,337.07	77.00	109.276		
6,477.15	6,407.89	6,624.00	6,273.97	30.14	51.92	-150.04	1,280.51	-7,537.23	8,424.83	8,347.54	77.29	109.002		
6,500.00	6,430.52	6,624.00	6,273.97	30.24	51.92	-143.85	1,280.51	-7,537.23	8,427.74	8,350.37	77.37	108.921		
6,550.00	6,480.31	6,624.00	6,273.97	30.46	51.92	-108.54	1,280.51	-7,537.23	8,431.52	8,353.97	77.55	108.727		
6,600.00	6,530.22	6,665.81	6,313.47	30.66	52.21	-40.33	1,266.84	-7,538.28	8,430.37	8,352.29	78.08	107.970		
6,650.00	6,579.93	6,669.39	6,316.84	30.85	52.24	-15.59	1,265.67	-7,538.48	8,426.74	8,348.49	78.25	107.693		
6,700.00	6,629.13	6,672.95	6,320.20	31.04	52.26	-7.10	1,264.51	-7,538.70	8,419.52	8,341.12	78.40	107.393		
6,750.00	6,677.53	6,714.00	6,358.83	31.23	52.54	-3.03	1,251.19	-7,542.56	8,409.82	8,330.94	78.88	106.618		
6,800.00	6,724.83	6,714.00	6,358.83	31.43	52.54	-0.51	1,251.19	-7,542.56	8,395.36	8,316.39	78.97	106.315		
6,850.00	6,770.73	6,714.00	6,358.83	31.63	52.54	1.25	1,251.19	-7,542.56	8,377.48	8,298.44	79.04	105.990		
6,900.00	6,814.95	6,714.00	6,358.83	31.84	52.54	2.62	1,251.19	-7,542.56	8,356.29	8,277.19	79.10	105.645		
6,950.00	6,857.22	6,714.00	6,358.83	32.06	52.54	3.78	1,251.19	-7,542.56	8,331.89	8,252.75	79.14	105.280		
7,000.00	6,897.28	6,714.00	6,358.83	32.29	52.54	4.85	1,251.19	-7,542.56	8,304.39	8,225.22	79.17	104.894		
7,050.00	6,934.88	6,714.00	6,358.83	32.54	52.54	5.91	1,251.19	-7,542.56	8,273.95	8,194.76	79.19	104.489		
7,100.00	6,969.79	6,714.00	6,358.83	32.81	52.54	7.02	1,251.19	-7,542.56	8,240.71	8,161.52	79.19	104.063		
7,150.00	7,001.79	6,714.00	6,358.83	33.11	52.54	8.25	1,251.19	-7,542.56	8,204.86	8,125.67	79.18	103.617		
7,200.00	7,030.69	6,714.00	6,358.83	33.44	52.54	9.67	1,251.19	-7,542.56	8,166.57	8,087.40	79.17	103.152		
7,250.00	7,056.31	6,714.00	6,358.83	33.81	52.54	11.39	1,251.19	-7,542.56	8,126.05	8,046.90	79.15	102.666		
7,300.00	7,078.48	6,714.00	6,358.83	34.21	52.54	13.55	1,251.19	-7,542.56	8,083.51	8,004.39	79.13	102.161		
7,350.00	7,097.08	6,714.00	6,358.83	34.65	52.54	16.38	1,251.19	-7,542.56	8,039.20	7,960.10	79.10	101.637		
7,400.00	7,112.00	6,714.00	6,358.83	35.12	52.54	20.30	1,251.19	-7,542.56	7,993.36	7,914.29	79.07	101.094		
7,450.00	7,123.12	6,714.00	6,358.83	35.64	52.54	26.02	1,251.19	-7,542.56	7,946.24	7,867.20	79.04	100.532		
7,500.00	7,130.40	6,714.00	6,358.83	36.19	52.54	34.94	1,251.19	-7,542.56	7,898.12	7,819.10	79.02	99.952		
7,550.00	7,133.78	6,714.00	6,358.83	36.77	52.54	49.64	1,251.19	-7,542.56	7,849.27	7,770.27	79.00	99.355		
7,574.97	7,134.00	6,714.00	6,358.83	37.06	52.54	60.23	1,251.19	-7,542.56	7,824.69	7,745.70	79.00	99.050		
7,600.00	7,133.73	6,714.00	6,358.83	37.37	52.54	60.23	1,251.19	-7,542.56	7,800.02	7,721.03	78.99	98.743		
7,700.00	7,132.66	6,714.00	6,358.83	38.71	52.54	60.23	1,251.19	-7,542.56	7,701.47	7,622.49	78.98	97.513		
7,800.00	7,131.59	6,714.00	6,358.83	40.20	52.54	60.23	1,251.19	-7,542.56	7,602.95	7,523.98	78.97	96.274		
7,900.00	7,130.52	6,714.00	6,358.83	41.84	52.54	60.23	1,251.19	-7,542.56	7,504.47	7,425.50	78.97	95.026		
8,000.00	7,129.45	6,714.00	6,358.83	43.60	52.54	60.23	1,251.19	-7,542.56	7,406.03	7,327.05	78.98	93.767		
8,100.00	7,128.38	6,714.00	6,358.83	45.47	52.54	60.23	1,251.19	-7,542.56	7,307.64	7,228.63	79.00	92.499		
8,200.00	7,127.31	6,714.00	6,358.83	47.44	52.54	60.23	1,251.19	-7,542.56	7,209.28	7,130.25	79.03	91.220		
8,300.00	7,126.24	6,714.00	6,358.83	49.49	52.54	60.23	1,251.19	-7,542.56	7,110.98	7,031.91	79.07	89.930		
8,400.00	7,125.17	6,714.00	6,358.83	51.61	52.54	60.23	1,251.19	-7,542.56	7,012.72	6,933.60	79.12	88.630		
8,500.00	7,124.10	6,714.00	6,358.83	53.81	52.54	60.23	1,251.19	-7,542.56	6,914.51	6,835.33	79.19	87.319		
8,600.00	7,123.03	6,714.00	6,358.83	56.06	52.54	60.23	1,251.19	-7,542.56	6,816.36	6,737.10	79.26	85.997		
8,700.00	7,121.96	6,714.00	6,358.83	58.36	52.54	60.23	1,251.19	-7,542.56	6,718.26	6,638.90	79.35	84.663		
8,800.00	7,120.89	6,714.00	6,358.83	60.71	52.54	60.23	1,251.19	-7,542.56	6,620.21	6,540.76	79.46	83.318		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 20-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,119.82	6,714.00	6,358.83	63.10	52.54	60.23	1,251.19	-7,542.56	6,522.23	6,442.65	79.58	81.961		
9,000.00	7,118.75	6,714.00	6,358.83	65.53	52.54	60.23	1,251.19	-7,542.56	6,424.31	6,344.59	79.71	80.592		
9,100.00	7,117.68	6,714.00	6,358.83	67.98	52.54	60.23	1,251.19	-7,542.56	6,326.45	6,246.58	79.87	79.212		
9,200.00	7,116.61	6,714.00	6,358.83	70.47	52.54	60.23	1,251.19	-7,542.56	6,228.66	6,148.62	80.04	77.820		
9,300.00	7,115.54	6,714.00	6,358.83	72.98	52.54	60.23	1,251.19	-7,542.56	6,130.94	6,050.71	80.23	76.416		
9,400.00	7,114.47	6,714.00	6,358.83	75.52	52.54	60.23	1,251.19	-7,542.56	6,033.30	5,952.85	80.44	75.000		
9,500.00	7,113.40	6,714.00	6,358.83	78.08	52.54	60.23	1,251.19	-7,542.56	5,935.73	5,855.05	80.68	73.573		
9,600.00	7,112.33	6,714.00	6,358.83	80.65	52.54	60.23	1,251.19	-7,542.56	5,838.25	5,757.31	80.94	72.134		
9,700.00	7,111.26	6,714.00	6,358.83	83.25	52.54	60.23	1,251.19	-7,542.56	5,740.85	5,659.64	81.22	70.683		
9,800.00	7,110.19	6,714.00	6,358.83	85.86	52.54	60.23	1,251.19	-7,542.56	5,643.55	5,562.02	81.53	69.222		
9,900.00	7,109.12	6,714.00	6,358.83	88.48	52.54	60.23	1,251.19	-7,542.56	5,546.34	5,464.48	81.87	67.750		
10,000.00	7,108.04	6,752.63	6,395.00	91.12	52.76	61.37	1,238.88	-7,548.29	5,448.10	5,365.55	82.55	65.999		
10,100.00	7,106.97	6,754.77	6,396.99	93.77	52.77	61.43	1,238.21	-7,548.66	5,350.97	5,268.01	82.96	64.503		
10,200.00	7,105.90	6,756.98	6,399.06	96.43	52.78	61.50	1,237.52	-7,549.05	5,253.94	5,170.54	83.40	62.998		
10,300.00	7,104.83	6,759.27	6,401.19	99.10	52.80	61.57	1,236.80	-7,549.47	5,157.01	5,073.13	83.87	61.485		
10,400.00	7,103.76	6,761.63	6,403.39	101.78	52.81	61.64	1,236.07	-7,549.90	5,060.19	4,975.80	84.39	59.964		
10,500.00	7,102.69	6,764.06	6,405.66	104.47	52.82	61.71	1,235.31	-7,550.35	4,963.49	4,878.56	84.94	58.437		
10,600.00	7,101.62	6,803.00	6,441.77	107.16	53.04	62.92	1,223.38	-7,558.67	4,867.94	4,782.15	85.78	56.746		
10,700.00	7,100.55	6,803.00	6,441.77	109.87	53.04	62.92	1,223.38	-7,558.67	4,771.35	4,684.96	86.39	55.229		
10,800.00	7,099.48	6,803.00	6,441.77	112.58	53.04	62.92	1,223.38	-7,558.67	4,674.91	4,587.87	87.04	53.707		
10,900.00	7,098.41	6,803.00	6,441.77	115.29	53.04	62.92	1,223.38	-7,558.67	4,578.63	4,490.88	87.74	52.181		
11,000.00	7,097.34	6,803.00	6,441.77	118.02	53.04	62.92	1,223.38	-7,558.67	4,482.50	4,394.01	88.50	50.652		
11,100.00	7,096.27	6,803.00	6,441.77	120.74	53.04	62.92	1,223.38	-7,558.67	4,386.55	4,297.25	89.30	49.121		
11,200.00	7,095.20	6,803.00	6,441.77	123.48	53.04	62.92	1,223.38	-7,558.67	4,290.79	4,200.62	90.16	47.589		
11,300.00	7,094.13	6,803.00	6,441.77	126.22	53.04	62.92	1,223.38	-7,558.67	4,195.22	4,104.13	91.09	46.057		
11,400.00	7,093.06	6,803.00	6,441.77	128.96	53.04	62.92	1,223.38	-7,558.67	4,099.86	4,007.79	92.07	44.528		
11,500.00	7,091.99	6,803.00	6,441.77	131.71	53.04	62.92	1,223.38	-7,558.67	4,004.73	3,911.60	93.13	43.001		
11,600.00	7,090.92	6,803.00	6,441.77	134.46	53.04	62.92	1,223.38	-7,558.67	3,909.84	3,815.59	94.26	41.480		
11,700.00	7,089.85	6,803.00	6,441.77	137.21	53.04	62.92	1,223.38	-7,558.67	3,815.22	3,719.75	95.47	39.965		
11,800.00	7,088.78	6,803.00	6,441.77	139.97	53.04	62.92	1,223.38	-7,558.67	3,720.87	3,624.12	96.75	38.457		
11,900.00	7,087.71	6,803.00	6,441.77	142.73	53.04	62.92	1,223.38	-7,558.67	3,626.83	3,528.70	98.13	36.960		
12,000.00	7,086.64	6,803.00	6,441.77	145.50	53.04	62.92	1,223.38	-7,558.67	3,533.12	3,433.52	99.60	35.474		
12,100.00	7,085.57	6,803.00	6,441.77	148.26	53.04	62.92	1,223.38	-7,558.67	3,439.76	3,338.59	101.17	34.001		
12,200.00	7,084.50	6,803.00	6,441.77	151.03	53.04	62.92	1,223.38	-7,558.67	3,346.78	3,243.94	102.84	32.544		
12,300.00	7,083.43	6,803.00	6,441.77	153.81	53.04	62.92	1,223.38	-7,558.67	3,254.22	3,149.59	104.63	31.103		
12,400.00	7,082.36	6,837.28	6,473.25	156.58	53.19	64.03	1,213.10	-7,567.51	3,161.26	3,054.70	106.55	29.668		
12,500.00	7,081.29	6,843.47	6,478.90	159.36	53.22	64.23	1,211.25	-7,569.26	3,069.30	2,960.72	108.58	28.269		
12,600.00	7,080.22	6,849.99	6,484.83	162.14	53.25	64.44	1,209.31	-7,571.14	2,977.80	2,867.07	110.73	26.892		
12,700.00	7,079.15	6,856.85	6,491.06	164.92	53.28	64.67	1,207.28	-7,573.16	2,886.80	2,773.77	113.03	25.540		
12,800.00	7,078.08	6,892.00	6,522.72	167.71	53.44	65.85	1,196.91	-7,584.39	2,796.91	2,681.50	115.42	24.233		
12,900.00	7,077.01	6,892.00	6,522.72	170.49	53.44	65.85	1,196.91	-7,584.39	2,706.77	2,588.73	118.04	22.932		
13,000.00	7,075.93	6,892.00	6,522.72	173.28	53.44	65.85	1,196.91	-7,584.39	2,617.33	2,496.49	120.84	21.659		
13,100.00	7,074.86	6,892.00	6,522.72	176.07	53.44	65.85	1,196.91	-7,584.39	2,528.69	2,404.85	123.85	20.418		
13,200.00	7,073.79	6,892.00	6,522.72	178.86	53.44	65.85	1,196.91	-7,584.39	2,440.93	2,313.87	127.07	19.210		
13,300.00	7,072.72	6,892.00	6,522.72	181.65	53.44	65.85	1,196.91	-7,584.39	2,354.15	2,223.63	130.51	18.038		
13,400.00	7,071.65	6,892.00	6,522.72	184.45	53.44	65.85	1,196.91	-7,584.39	2,268.45	2,134.24	134.21	16.903		
13,500.00	7,070.58	6,892.00	6,522.72	187.25	53.44	65.85	1,196.91	-7,584.39	2,183.97	2,045.81	138.16	15.808		
13,600.00	7,069.51	6,933.02	6,558.95	190.04	53.58	67.25	1,184.98	-7,599.44	2,099.33	1,957.20	142.13	14.770		
13,700.00	7,068.44	6,943.82	6,568.34	192.84	53.62	67.62	1,181.87	-7,603.79	2,016.83	1,870.25	146.58	13.759		
13,800.00	7,067.37	6,982.00	6,600.94	195.64	53.76	68.95	1,171.00	-7,620.41	1,936.38	1,785.32	151.06	12.819		
13,900.00	7,066.30	6,982.00	6,600.94	198.44	53.76	68.95	1,171.00	-7,620.41	1,856.40	1,700.14	156.26	11.880		
14,000.00	7,065.23	6,982.00	6,600.94	201.24	53.76	68.95	1,171.00	-7,620.41	1,778.45	1,616.63	161.82	10.990		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - Orr State 36N-35C-M - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 20-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,100.00	7,064.16	6,982.00	6,600.94	204.05	53.76	68.95	1,171.00	-7,620.41	1,702.80	1,535.04	167.75	10.151	
14,200.00	7,063.09	6,982.00	6,600.94	206.85	53.76	68.95	1,171.00	-7,620.41	1,629.77	1,455.71	174.07	9.363	
14,300.00	7,062.02	7,020.83	6,633.01	209.66	53.85	70.31	1,160.33	-7,639.51	1,558.04	1,377.68	180.36	8.639	
14,400.00	7,060.95	7,036.37	6,645.47	212.46	53.89	70.86	1,156.23	-7,647.83	1,489.80	1,302.51	187.29	7.955	
14,500.00	7,059.88	7,071.00	6,672.42	215.27	53.98	72.06	1,147.45	-7,667.72	1,425.03	1,230.72	194.31	7.334	
14,600.00	7,058.81	7,071.00	6,672.42	218.08	53.98	72.06	1,147.45	-7,667.72	1,363.04	1,160.81	202.23	6.740	
14,700.00	7,057.74	7,071.00	6,672.42	220.89	53.98	72.06	1,147.45	-7,667.72	1,305.78	1,095.36	210.42	6.206	
14,800.00	7,056.67	7,114.68	6,704.78	223.70	54.03	73.57	1,137.30	-7,695.24	1,251.74	1,033.40	218.34	5.733	
14,900.00	7,055.60	7,161.00	6,737.02	226.51	54.09	75.13	1,127.89	-7,727.11	1,203.42	977.11	226.31	5.318	
15,000.00	7,054.53	7,161.00	6,737.02	229.32	54.09	75.13	1,127.89	-7,727.11	1,159.11	924.00	235.10	4.930	
15,100.00	7,053.46	7,196.97	6,760.54	232.14	54.10	76.32	1,121.53	-7,753.57	1,120.64	877.31	243.32	4.606	
15,200.00	7,052.39	7,250.00	6,792.75	234.95	54.12	77.99	1,113.65	-7,794.94	1,088.18	837.10	251.08	4.334	
15,300.00	7,051.32	7,250.00	6,792.75	237.76	54.12	77.99	1,113.65	-7,794.94	1,061.09	801.98	259.12	4.095	
15,400.00	7,050.25	7,303.17	6,821.90	240.58	54.08	79.56	1,107.79	-7,838.99	1,039.92	773.82	266.10	3.908	
15,500.00	7,049.18	7,340.00	6,840.15	243.39	54.06	80.58	1,105.09	-7,870.86	1,025.22	752.75	272.47	3.763	
15,600.00	7,048.11	7,391.55	6,862.75	246.21	53.99	81.86	1,102.82	-7,917.12	1,016.31	738.22	278.09	3.655	
15,703.32	7,047.00	7,448.04	6,883.37	249.12	53.90	83.05	1,101.99	-7,969.69	1,012.65	729.55	283.09	3.577	
15,703.90	7,046.99	7,448.41	6,883.49	249.13	53.90	83.06	1,101.99	-7,970.03	1,012.64	729.52	283.12	3.577	CC, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-86.66	433.92	-7,440.25	7,452.91					
100.00	100.00	87.00	87.00	3.28	3.61	-86.66	433.92	-7,440.25	7,452.90	7,446.00	6.90	1,080.256		
200.00	200.00	187.00	187.00	3.34	5.80	-86.66	433.92	-7,440.25	7,452.90	7,443.76	9.14	815.739		
300.00	300.00	287.00	287.00	3.44	8.90	-86.66	433.92	-7,440.25	7,452.90	7,440.55	12.35	603.717		
400.00	399.98	386.98	386.98	3.60	12.21	-153.30	433.92	-7,440.25	7,454.46	7,438.64	15.81	471.384		
500.00	499.84	486.84	486.84	3.80	15.60	-153.28	433.92	-7,440.25	7,459.13	7,439.73	19.40	384.474		
600.00	599.45	586.45	586.45	4.05	19.01	-153.24	433.92	-7,440.25	7,466.92	7,443.87	23.06	323.868		
700.00	698.70	685.70	685.70	4.32	22.43	-153.18	433.92	-7,440.25	7,477.82	7,451.07	26.75	279.535		
740.00	738.27	725.27	725.27	4.45	23.80	-153.16	433.92	-7,440.25	7,483.04	7,454.80	28.24	264.992		
800.00	797.57	784.57	784.57	4.63	25.85	-153.19	433.92	-7,440.25	7,491.25	7,460.78	30.47	245.834		
900.00	896.39	883.39	883.39	4.96	29.28	-153.24	433.92	-7,440.25	7,504.94	7,470.72	34.22	219.326		
1,000.00	995.21	982.21	982.21	5.32	32.71	-153.29	433.92	-7,440.25	7,518.64	7,480.65	37.99	197.918		
1,100.00	1,094.03	1,081.03	1,081.03	5.69	36.14	-153.34	433.92	-7,440.25	7,532.34	7,490.56	41.78	180.291		
1,200.00	1,192.86	1,179.86	1,179.86	6.07	39.58	-153.40	433.92	-7,440.25	7,546.05	7,500.46	45.59	165.538		
1,300.00	1,291.68	1,278.68	1,278.68	6.47	43.02	-153.45	433.92	-7,440.25	7,559.76	7,510.36	49.40	153.018		
1,400.00	1,390.50	1,377.50	1,377.50	6.88	46.46	-153.50	433.92	-7,440.25	7,573.48	7,520.25	53.23	142.267		
1,500.00	1,489.33	1,476.33	1,476.33	7.29	49.90	-153.55	433.92	-7,440.25	7,587.21	7,530.14	57.07	132.938		
1,600.00	1,588.15	1,575.15	1,575.15	7.71	53.34	-153.60	433.92	-7,440.25	7,600.94	7,540.02	60.92	124.770		
1,700.00	1,686.97	1,673.97	1,673.97	8.14	56.79	-153.65	433.92	-7,440.25	7,614.68	7,549.91	64.77	117.561		
1,800.00	1,785.79	1,772.79	1,772.79	8.57	60.23	-153.70	433.92	-7,440.25	7,628.42	7,559.79	68.63	111.153		
1,900.00	1,884.62	1,871.62	1,871.62	9.01	63.68	-153.76	433.92	-7,440.25	7,642.17	7,569.68	72.49	105.420		
2,000.00	1,983.44	1,970.44	1,970.44	9.45	67.12	-153.81	433.92	-7,440.25	7,655.93	7,579.57	76.36	100.262		
2,100.00	2,082.26	2,069.26	2,069.26	9.89	70.57	-153.86	433.92	-7,440.25	7,669.69	7,589.46	80.23	95.598		
2,200.00	2,181.09	2,168.09	2,168.09	10.33	74.02	-153.91	433.92	-7,440.25	7,683.46	7,599.36	84.10	91.359		
2,300.00	2,279.91	2,266.91	2,266.91	10.78	77.46	-153.96	433.92	-7,440.25	7,697.23	7,609.26	87.98	87.491		
2,400.00	2,378.73	2,365.73	2,365.73	11.23	80.91	-154.01	433.92	-7,440.25	7,711.01	7,619.16	91.86	83.948		
2,500.00	2,477.55	2,464.55	2,464.55	11.68	84.36	-154.06	433.92	-7,440.25	7,724.80	7,629.06	95.73	80.690		
2,600.00	2,576.38	2,563.38	2,563.38	12.13	87.80	-154.11	433.92	-7,440.25	7,738.59	7,638.97	99.62	77.684		
2,700.00	2,675.20	2,662.20	2,662.20	12.59	91.25	-154.15	433.92	-7,440.25	7,752.38	7,648.88	103.50	74.902		
2,800.00	2,774.02	2,761.02	2,761.02	13.04	94.70	-154.20	433.92	-7,440.25	7,766.18	7,658.80	107.38	72.321		
2,900.00	2,872.85	2,859.85	2,859.85	13.50	98.15	-154.25	433.92	-7,440.25	7,779.99	7,668.72	111.27	69.920		
3,000.00	2,971.67	2,958.67	2,958.67	13.96	101.59	-154.30	433.92	-7,440.25	7,793.81	7,678.65	115.16	67.680		
3,100.00	3,070.49	3,057.49	3,057.49	14.41	105.04	-154.35	433.92	-7,440.25	7,807.62	7,688.58	119.05	65.585		
3,200.00	3,169.31	3,156.31	3,156.31	14.87	108.49	-154.40	433.92	-7,440.25	7,821.45	7,698.51	122.93	63.623		
3,300.00	3,268.14	3,255.14	3,255.14	15.33	111.94	-154.45	433.92	-7,440.25	7,835.28	7,708.45	126.82	61.780		
3,400.00	3,366.96	3,353.96	3,353.96	15.79	115.39	-154.49	433.92	-7,440.25	7,849.11	7,718.40	130.72	60.047		
3,500.00	3,465.78	3,452.78	3,452.78	16.25	118.84	-154.54	433.92	-7,440.25	7,862.95	7,728.35	134.61	58.414		
3,600.00	3,564.61	3,551.61	3,551.61	16.72	122.29	-154.59	433.92	-7,440.25	7,876.80	7,738.30	138.50	56.872		
3,700.00	3,663.43	3,650.43	3,650.43	17.18	125.73	-154.64	433.92	-7,440.25	7,890.65	7,748.26	142.39	55.415		
3,800.00	3,762.25	3,749.25	3,749.25	17.64	129.18	-154.69	433.92	-7,440.25	7,904.51	7,758.22	146.29	54.035		
3,900.00	3,861.07	3,848.07	3,848.07	18.10	132.63	-154.73	433.92	-7,440.25	7,918.37	7,768.19	150.18	52.726		
4,000.00	3,959.90	3,946.90	3,946.90	18.57	136.08	-154.78	433.92	-7,440.25	7,932.24	7,778.16	154.07	51.483		
4,100.00	4,058.72	4,045.72	4,045.72	19.03	139.53	-154.83	433.92	-7,440.25	7,946.11	7,788.14	157.97	50.302		
4,200.00	4,157.54	4,144.54	4,144.54	19.50	142.98	-154.87	433.92	-7,440.25	7,959.99	7,798.12	161.86	49.171		
4,300.00	4,256.37	4,243.37	4,243.37	19.96	146.43	-154.92	433.92	-7,440.25	7,973.87	7,808.11	165.76	48.105		
4,400.00	4,355.19	4,342.19	4,342.19	20.43	149.88	-154.97	433.92	-7,440.25	7,987.76	7,818.10	169.66	47.082		
4,500.00	4,454.01	4,441.01	4,441.01	20.89	153.33	-155.01	433.92	-7,440.25	8,001.65	7,828.10	173.55	46.105		
4,600.00	4,552.83	4,539.83	4,539.83	21.36	156.77	-155.06	433.92	-7,440.25	8,015.55	7,838.10	177.45	45.171		
4,700.00	4,651.66	4,638.66	4,638.66	21.82	160.22	-155.10	433.92	-7,440.25	8,029.45	7,848.10	181.35	44.277		
4,800.00	4,750.48	4,737.48	4,737.48	22.29	163.67	-155.15	433.92	-7,440.25	8,043.36	7,858.12	185.24	43.421		
4,900.00	4,849.30	4,836.30	4,836.30	22.76	167.12	-155.20	433.92	-7,440.25	8,057.27	7,868.13	189.14	42.599		
5,000.00	4,948.13	4,935.13	4,935.13	23.22	170.57	-155.24	433.92	-7,440.25	8,071.19	7,878.15	193.04	41.811		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,033.95	5,033.95	23.69	174.02	-155.29	433.92	-7,440.25	8,085.11	7,888.18	196.94	41.055		
5,200.00	5,145.77	5,132.77	5,132.77	24.16	177.47	-155.33	433.92	-7,440.25	8,099.04	7,898.21	200.83	40.327		
5,300.00	5,244.59	5,231.59	5,231.59	24.62	180.92	-155.38	433.92	-7,440.25	8,112.98	7,908.24	204.73	39.627		
5,400.00	5,343.42	5,330.42	5,330.42	25.09	184.37	-155.42	433.92	-7,440.25	8,126.91	7,918.28	208.63	38.954		
5,500.00	5,442.24	5,429.24	5,429.24	25.56	187.82	-155.47	433.92	-7,440.25	8,140.86	7,928.33	212.53	38.305		
5,600.00	5,541.06	5,528.06	5,528.06	26.03	191.27	-155.51	433.92	-7,440.25	8,154.80	7,938.38	216.43	37.679		
5,700.00	5,639.89	5,626.89	5,626.89	26.50	194.72	-155.56	433.92	-7,440.25	8,168.76	7,948.43	220.33	37.075		
5,800.00	5,738.71	5,725.71	5,725.71	26.96	198.17	-155.60	433.92	-7,440.25	8,182.72	7,958.49	224.23	36.493		
5,900.00	5,837.53	5,824.53	5,824.53	27.43	201.62	-155.64	433.92	-7,440.25	8,196.68	7,968.55	228.13	35.930		
6,000.00	5,936.35	5,923.35	5,923.35	27.90	205.07	-155.69	433.92	-7,440.25	8,210.64	7,978.62	232.03	35.387		
6,100.00	6,035.18	6,022.18	6,022.18	28.37	208.51	-155.73	433.92	-7,440.25	8,224.62	7,988.69	235.93	34.861		
6,200.00	6,134.00	6,121.00	6,121.00	28.84	211.96	-155.77	433.92	-7,440.25	8,238.59	7,998.77	239.83	34.352		
6,300.00	6,232.82	6,219.82	6,219.82	29.31	215.41	-155.82	433.92	-7,440.25	8,252.57	8,008.85	243.73	33.860		
6,400.00	6,331.64	6,318.64	6,318.64	29.77	218.86	-155.86	433.92	-7,440.25	8,266.56	8,018.94	247.63	33.383		
6,477.15	6,407.89	6,405.11	6,394.89	30.14	221.88	-155.89	433.92	-7,440.25	8,277.35	8,026.36	250.99	32.979		
6,500.00	6,430.52	6,417.52	6,417.52	30.24	222.31	-149.68	433.92	-7,440.25	8,280.14	8,028.62	251.53	32.920		
6,550.00	6,480.31	6,467.31	6,467.31	30.46	224.05	-114.35	433.92	-7,440.25	8,283.41	8,029.93	253.48	32.679		
6,600.00	6,530.22	6,517.22	6,517.22	30.66	225.79	-46.06	433.92	-7,440.25	8,282.75	8,027.33	255.42	32.428		
6,650.00	6,579.93	6,566.93	6,566.93	30.85	227.53	-21.36	433.92	-7,440.25	8,278.18	8,020.84	257.34	32.168		
6,700.00	6,629.13	6,616.13	6,616.13	31.04	229.25	-12.93	433.92	-7,440.25	8,269.72	8,010.50	259.22	31.902		
6,750.00	6,677.53	6,664.53	6,664.53	31.23	230.94	-8.87	433.92	-7,440.25	8,257.43	7,996.36	261.07	31.629		
6,800.00	6,724.83	6,711.83	6,711.83	31.43	232.59	-6.50	433.92	-7,440.25	8,241.37	7,978.51	262.86	31.353		
6,850.00	6,770.73	6,757.73	6,757.73	31.63	234.19	-4.93	433.92	-7,440.25	8,221.66	7,957.07	264.59	31.074		
6,900.00	6,814.95	6,801.95	6,801.95	31.84	235.73	-3.79	433.92	-7,440.25	8,198.40	7,932.16	266.24	30.793		
6,950.00	6,857.22	6,844.22	6,844.22	32.06	237.21	-2.91	433.92	-7,440.25	8,171.75	7,903.94	267.81	30.513		
7,000.00	6,897.28	6,884.28	6,884.28	32.29	238.61	-2.18	433.92	-7,440.25	8,141.87	7,872.58	269.29	30.235		
7,050.00	6,934.88	6,921.88	6,921.88	32.54	239.92	-1.53	433.92	-7,440.25	8,108.94	7,838.27	270.67	29.959		
7,100.00	6,969.79	6,956.79	6,956.79	32.81	241.14	-0.93	433.92	-7,440.25	8,073.16	7,801.23	271.94	29.688		
7,150.00	7,001.79	6,988.79	6,988.79	33.11	242.26	-0.32	433.92	-7,440.25	8,034.77	7,761.67	273.09	29.421		
7,200.00	7,030.69	7,017.69	7,017.69	33.44	243.26	0.35	433.92	-7,440.25	7,993.98	7,719.84	274.13	29.161		
7,250.00	7,056.31	7,043.31	7,043.31	33.81	244.16	1.12	433.92	-7,440.25	7,951.06	7,676.01	275.05	28.908		
7,300.00	7,078.48	7,065.48	7,065.48	34.21	244.93	2.09	433.92	-7,440.25	7,906.26	7,630.43	275.83	28.663		
7,350.00	7,097.08	7,084.08	7,084.08	34.65	245.58	3.44	433.92	-7,440.25	7,859.87	7,583.38	276.49	28.427		
7,400.00	7,112.00	7,101.00	7,099.00	35.12	246.17	5.52	433.92	-7,440.25	7,812.17	7,535.09	277.08	28.195		
7,450.00	7,123.12	7,110.12	7,110.12	35.64	246.49	9.25	433.92	-7,440.25	7,763.46	7,486.06	277.40	27.987		
7,500.00	7,130.40	7,117.40	7,117.40	36.19	246.75	18.05	433.92	-7,440.25	7,714.03	7,436.38	277.65	27.783		
7,550.00	7,133.78	7,120.78	7,120.78	36.77	246.86	54.20	433.92	-7,440.25	7,664.19	7,386.42	277.77	27.592		
7,574.97	7,134.00	7,121.00	7,121.00	37.06	246.87	104.36	433.92	-7,440.25	7,639.24	7,361.47	277.78	27.501		
7,600.00	7,133.73	7,120.73	7,120.73	37.37	246.86	104.32	433.92	-7,440.25	7,614.24	7,336.47	277.77	27.412		
7,700.00	7,132.66	7,119.66	7,119.66	38.71	246.82	104.14	433.92	-7,440.25	7,514.33	7,236.59	277.74	27.056		
7,800.00	7,131.59	7,118.59	7,118.59	40.20	246.79	103.96	433.92	-7,440.25	7,414.43	7,136.72	277.71	26.699		
7,900.00	7,130.52	7,117.52	7,117.52	41.84	246.75	103.77	433.92	-7,440.25	7,314.53	7,036.85	277.68	26.342		
8,000.00	7,129.45	7,116.45	7,116.45	43.60	246.71	103.59	433.92	-7,440.25	7,214.63	6,936.97	277.66	25.984		
8,100.00	7,128.38	7,115.38	7,115.38	45.47	246.67	103.41	433.92	-7,440.25	7,114.73	6,837.10	277.63	25.627		
8,200.00	7,127.31	7,114.31	7,114.31	47.44	246.64	103.23	433.92	-7,440.25	7,014.84	6,737.23	277.61	25.269		
8,300.00	7,126.24	7,113.24	7,113.24	49.49	246.60	103.05	433.92	-7,440.25	6,914.95	6,637.36	277.59	24.911		
8,400.00	7,125.17	7,112.17	7,112.17	51.61	246.56	102.86	433.92	-7,440.25	6,815.07	6,537.49	277.57	24.552		
8,500.00	7,124.10	7,111.10	7,111.10	53.81	246.53	102.68	433.92	-7,440.25	6,715.18	6,437.62	277.56	24.194		
8,600.00	7,123.03	7,110.03	7,110.03	56.06	246.49	102.50	433.92	-7,440.25	6,615.30	6,337.76	277.55	23.835		
8,700.00	7,121.96	7,108.96	7,108.96	58.36	246.45	102.31	433.92	-7,440.25	6,515.43	6,237.89	277.54	23.476		
8,800.00	7,120.89	7,107.89	7,107.89	60.71	246.41	102.13	433.92	-7,440.25	6,415.56	6,138.03	277.53	23.117		
8,900.00	7,119.82	7,106.82	7,106.82	63.10	246.38	101.95	433.92	-7,440.25	6,315.69	6,038.16	277.52	22.757		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	7,105.75	7,105.75	65.53	246.34	101.76	433.92	-7,440.25	6,215.82	5,938.30	277.52	22.398		
9,100.00	7,117.68	7,104.68	7,104.68	67.98	246.30	101.58	433.92	-7,440.25	6,115.96	5,838.44	277.52	22.038		
9,200.00	7,116.61	7,103.61	7,103.61	70.47	246.26	101.39	433.92	-7,440.25	6,016.11	5,738.58	277.53	21.678		
9,300.00	7,115.54	7,102.54	7,102.54	72.98	246.23	101.21	433.92	-7,440.25	5,916.26	5,638.72	277.53	21.317		
9,400.00	7,114.47	7,101.47	7,101.47	75.52	246.19	101.02	433.92	-7,440.25	5,816.41	5,538.87	277.54	20.957		
9,500.00	7,113.40	7,100.40	7,100.40	78.08	246.15	100.84	433.92	-7,440.25	5,716.57	5,439.01	277.56	20.596		
9,600.00	7,112.33	7,100.67	7,099.33	80.65	246.16	100.65	433.92	-7,440.25	5,616.73	5,339.11	277.62	20.232		
9,700.00	7,111.26	7,101.74	7,098.26	83.25	246.20	100.47	433.92	-7,440.25	5,516.90	5,239.19	277.72	19.865		
9,800.00	7,110.19	7,102.81	7,097.19	85.86	246.24	100.28	433.92	-7,440.25	5,417.08	5,139.26	277.82	19.499		
9,900.00	7,109.12	7,103.89	7,096.12	88.48	246.27	100.10	433.92	-7,440.25	5,317.26	5,039.34	277.92	19.132		
10,000.00	7,108.04	7,104.96	7,095.04	91.12	246.31	99.91	433.92	-7,440.25	5,217.45	4,939.42	278.03	18.766		
10,100.00	7,106.97	7,106.03	7,093.97	93.77	246.35	99.72	433.92	-7,440.25	5,117.65	4,839.50	278.14	18.399		
10,200.00	7,105.90	7,107.10	7,092.90	96.43	246.39	99.54	433.92	-7,440.25	5,017.85	4,739.59	278.26	18.033		
10,300.00	7,104.83	7,108.17	7,091.83	99.10	246.42	99.35	433.92	-7,440.25	4,918.06	4,639.68	278.39	17.666		
10,400.00	7,103.76	7,109.24	7,090.76	101.78	246.46	99.16	433.92	-7,440.25	4,818.28	4,539.77	278.52	17.300		
10,500.00	7,102.69	7,089.69	7,089.69	104.47	245.78	98.97	433.92	-7,440.25	4,718.51	4,440.58	277.94	16.977		
10,600.00	7,101.62	7,088.62	7,088.62	107.16	245.74	98.79	433.92	-7,440.25	4,618.75	4,340.75	278.01	16.614		
10,700.00	7,100.55	7,087.55	7,087.55	109.87	245.70	98.60	433.92	-7,440.25	4,519.00	4,240.92	278.08	16.251		
10,800.00	7,099.48	7,086.48	7,086.48	112.58	245.67	98.41	433.92	-7,440.25	4,419.26	4,141.10	278.17	15.887		
10,900.00	7,098.41	7,085.41	7,085.41	115.29	245.63	98.22	433.92	-7,440.25	4,319.54	4,041.27	278.26	15.523		
11,000.00	7,097.34	7,084.34	7,084.34	118.02	245.59	98.03	433.92	-7,440.25	4,219.82	3,941.45	278.37	15.159		
11,100.00	7,096.27	7,083.27	7,083.27	120.74	245.55	97.85	433.92	-7,440.25	4,120.12	3,841.64	278.48	14.795		
11,200.00	7,095.20	7,082.20	7,082.20	123.48	245.52	97.66	433.92	-7,440.25	4,020.43	3,741.82	278.61	14.430		
11,300.00	7,094.13	7,081.13	7,081.13	126.22	245.48	97.47	433.92	-7,440.25	3,920.76	3,642.01	278.75	14.065		
11,400.00	7,093.06	7,080.06	7,080.06	128.96	245.44	97.28	433.92	-7,440.25	3,821.11	3,542.20	278.91	13.700		
11,500.00	7,091.99	7,078.99	7,078.99	131.71	245.40	97.09	433.92	-7,440.25	3,721.47	3,442.40	279.08	13.335		
11,600.00	7,090.92	7,077.92	7,077.92	134.46	245.37	96.90	433.92	-7,440.25	3,621.86	3,342.59	279.27	12.969		
11,700.00	7,089.85	7,076.85	7,076.85	137.21	245.33	96.71	433.92	-7,440.25	3,522.26	3,242.79	279.47	12.603		
11,800.00	7,088.78	7,075.78	7,075.78	139.97	245.29	96.52	433.92	-7,440.25	3,422.69	3,142.99	279.70	12.237		
11,900.00	7,087.71	7,074.71	7,074.71	142.73	245.25	96.33	433.92	-7,440.25	3,323.15	3,043.19	279.95	11.870		
12,000.00	7,086.64	7,073.64	7,073.64	145.50	245.22	96.14	433.92	-7,440.25	3,223.63	2,943.40	280.23	11.503		
12,100.00	7,085.57	7,072.57	7,072.57	148.26	245.18	95.95	433.92	-7,440.25	3,124.14	2,843.60	280.54	11.136		
12,200.00	7,084.50	7,071.50	7,071.50	151.03	245.14	95.76	433.92	-7,440.25	3,024.69	2,743.80	280.88	10.768		
12,300.00	7,083.43	7,070.43	7,070.43	153.81	245.11	95.57	433.92	-7,440.25	2,925.27	2,644.01	281.26	10.400		
12,400.00	7,082.36	7,069.36	7,069.36	156.58	245.07	95.38	433.92	-7,440.25	2,825.89	2,544.21	281.69	10.032		
12,500.00	7,081.29	7,068.29	7,068.29	159.36	245.03	95.19	433.92	-7,440.25	2,726.56	2,444.40	282.16	9.663		
12,600.00	7,080.22	7,067.22	7,067.22	162.14	244.99	95.00	433.92	-7,440.25	2,627.28	2,344.59	282.69	9.294		
12,700.00	7,079.15	7,066.15	7,066.15	164.92	244.96	94.81	433.92	-7,440.25	2,528.06	2,244.78	283.28	8.924		
12,800.00	7,078.08	7,065.08	7,065.08	167.71	244.92	94.62	433.92	-7,440.25	2,428.89	2,144.96	283.94	8.554		
12,900.00	7,077.01	7,064.01	7,064.01	170.49	244.88	94.43	433.92	-7,440.25	2,329.80	2,045.12	284.68	8.184		
13,000.00	7,075.93	7,062.93	7,062.93	173.28	244.84	94.24	433.92	-7,440.25	2,230.79	1,945.27	285.53	7.813		
13,100.00	7,074.86	7,061.86	7,061.86	176.07	244.81	94.04	433.92	-7,440.25	2,131.87	1,845.40	286.48	7.442		
13,200.00	7,073.79	7,060.79	7,060.79	178.86	244.77	93.85	433.92	-7,440.25	2,033.06	1,745.50	287.56	7.070		
13,300.00	7,072.72	7,059.72	7,059.72	181.65	244.73	93.66	433.92	-7,440.25	1,934.37	1,645.57	288.80	6.698		
13,400.00	7,071.65	7,058.65	7,058.65	184.45	244.69	93.47	433.92	-7,440.25	1,835.82	1,545.61	290.21	6.326		
13,500.00	7,070.58	7,057.58	7,057.58	187.25	244.66	93.28	433.92	-7,440.25	1,737.43	1,445.59	291.84	5.953		
13,600.00	7,069.51	7,056.51	7,056.51	190.04	244.62	93.09	433.92	-7,440.25	1,639.24	1,345.52	293.72	5.581		
13,700.00	7,068.44	7,055.44	7,055.44	192.84	244.58	92.90	433.92	-7,440.25	1,541.28	1,245.37	295.91	5.209		
13,800.00	7,067.37	7,054.37	7,054.37	195.64	244.55	92.70	433.92	-7,440.25	1,443.60	1,145.14	298.46	4.837		
13,900.00	7,066.30	7,053.30	7,053.30	198.44	244.51	92.51	433.92	-7,440.25	1,346.26	1,044.79	301.47	4.466		
14,000.00	7,065.23	7,052.23	7,052.23	201.24	244.47	92.32	433.92	-7,440.25	1,249.34	944.32	305.03	4.096		
14,100.00	7,064.16	7,051.16	7,051.16	204.05	244.43	92.13	433.92	-7,440.25	1,152.95	843.67	309.28	3.728		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Boomerang 21-5 - PEANUT #1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
14,200.00	7,063.09	7,050.09	7,050.09	206.85	244.40	91.94	433.92	-7,440.25	1,057.22	742.83	314.39	3.363		
14,300.00	7,062.02	7,049.02	7,049.02	209.66	244.36	91.74	433.92	-7,440.25	962.36	641.75	320.62	3.002		
14,400.00	7,060.95	7,047.95	7,047.95	212.46	244.32	91.55	433.92	-7,440.25	868.66	540.39	328.27	2.646		
14,500.00	7,059.88	7,046.88	7,046.88	215.27	244.28	91.36	433.92	-7,440.25	776.52	438.73	337.80	2.299		
14,600.00	7,058.81	7,045.81	7,045.81	218.08	244.25	91.17	433.92	-7,440.25	686.59	336.80	349.78	1.963		
14,700.00	7,057.74	7,044.74	7,044.74	220.89	244.21	90.98	433.92	-7,440.25	599.85	234.83	365.02	1.643		
14,800.00	7,056.67	7,043.67	7,043.67	223.70	244.17	90.78	433.92	-7,440.25	517.91	133.48	384.43	1.347	Level 3	
14,900.00	7,055.60	7,042.60	7,042.60	226.51	244.13	90.59	433.92	-7,440.25	443.45	34.74	408.70	1.085	Level 2	
15,000.00	7,054.53	7,041.53	7,041.53	229.32	244.10	90.40	433.92	-7,440.25	380.86	-56.16	437.02	0.871	Level 1	
15,100.00	7,053.46	7,040.46	7,040.46	232.14	244.06	90.21	433.92	-7,440.25	336.84	-127.32	464.16	0.726	Level 1	
15,200.00	7,052.39	7,039.39	7,039.39	234.95	244.02	90.02	433.92	-7,440.25	319.16	-159.73	478.89	0.666	Level 1	
15,207.98	7,052.30	7,039.30	7,039.30	235.17	244.02	90.00	433.92	-7,440.25	319.06	-160.13	479.19	0.666	Level 1, CC, ES, SF	
15,300.00	7,051.32	7,038.32	7,038.32	237.76	243.98	89.82	433.92	-7,440.25	332.07	-140.62	472.68	0.703	Level 1	
15,400.00	7,050.25	7,037.25	7,037.25	240.58	243.95	89.63	433.92	-7,440.25	372.38	-78.55	450.93	0.826	Level 1	
15,500.00	7,049.18	7,036.18	7,036.18	243.39	243.91	89.44	433.92	-7,440.25	432.51	7.43	425.08	1.017	Level 2	
15,600.00	7,048.11	7,035.11	7,035.11	246.21	243.87	89.25	433.92	-7,440.25	505.43	103.70	401.73	1.258	Level 3	
15,703.32	7,047.00	7,034.00	7,034.00	249.12	243.83	89.05	433.92	-7,440.25	589.18	207.17	382.01	1.542		
15,703.90	7,046.99	7,033.99	7,033.99	249.13	243.83	89.05	433.92	-7,440.25	589.67	207.76	381.91	1.544		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	35.00	35.00	3.28	3.34	-85.55	464.85	-5,974.63	5,992.69					
100.00	100.00	135.00	135.00	3.28	4.42	-85.55	464.85	-5,974.63	5,992.69	5,984.98	7.71	777.487		
200.00	200.00	235.00	235.00	3.34	7.24	-85.55	464.85	-5,974.63	5,992.69	5,982.11	10.58	566.386		
300.00	300.00	335.00	335.00	3.44	10.48	-85.55	464.85	-5,974.63	5,992.69	5,978.77	13.92	430.479		
400.00	399.98	434.98	434.98	3.60	13.83	-152.19	464.85	-5,974.63	5,994.23	5,976.80	17.44	343.796		
500.00	499.84	534.84	534.84	3.80	17.24	-152.17	464.85	-5,974.63	5,998.86	5,977.82	21.04	285.081		
600.00	599.45	634.45	634.45	4.05	20.67	-152.14	464.85	-5,974.63	6,006.57	5,981.87	24.71	243.104		
700.00	698.70	733.70	733.70	4.32	24.09	-152.09	464.85	-5,974.63	6,017.36	5,988.95	28.41	211.807		
740.00	738.27	773.27	773.27	4.45	25.46	-152.07	464.85	-5,974.63	6,022.54	5,992.64	29.90	201.428		
800.00	797.57	832.57	832.57	4.63	27.52	-152.11	464.85	-5,974.63	6,030.67	5,998.54	32.14	187.664		
900.00	896.39	931.39	931.39	4.96	30.94	-152.18	464.85	-5,974.63	6,044.23	6,008.35	35.88	168.438		
1,000.00	995.21	1,030.21	1,030.21	5.32	34.38	-152.25	464.85	-5,974.63	6,057.80	6,018.15	39.66	152.757		
1,100.00	1,094.03	1,129.03	1,129.03	5.69	37.81	-152.31	464.85	-5,974.63	6,071.38	6,027.93	43.45	139.738		
1,200.00	1,192.86	1,227.86	1,227.86	6.07	41.25	-152.38	464.85	-5,974.63	6,084.96	6,037.71	47.26	128.767		
1,300.00	1,291.68	1,326.68	1,326.68	6.47	44.69	-152.45	464.85	-5,974.63	6,098.56	6,047.48	51.08	119.402		
1,400.00	1,390.50	1,425.50	1,425.50	6.88	48.13	-152.51	464.85	-5,974.63	6,112.16	6,057.25	54.91	111.319		
1,500.00	1,489.33	1,524.33	1,524.33	7.29	51.57	-152.58	464.85	-5,974.63	6,125.77	6,067.02	58.75	104.275		
1,600.00	1,588.15	1,623.15	1,623.15	7.71	55.02	-152.64	464.85	-5,974.63	6,139.39	6,076.79	62.59	98.084		
1,700.00	1,686.97	1,721.97	1,721.97	8.14	58.46	-152.71	464.85	-5,974.63	6,153.01	6,086.57	66.45	92.601		
1,800.00	1,785.79	1,820.79	1,820.79	8.57	61.91	-152.77	464.85	-5,974.63	6,166.65	6,096.34	70.30	87.713		
1,900.00	1,884.62	1,919.62	1,919.62	9.01	65.35	-152.84	464.85	-5,974.63	6,180.29	6,106.12	74.17	83.329		
2,000.00	1,983.44	2,018.44	2,018.44	9.45	68.80	-152.90	464.85	-5,974.63	6,193.94	6,115.90	78.03	79.374		
2,100.00	2,082.26	2,117.26	2,117.26	9.89	72.24	-152.97	464.85	-5,974.63	6,207.59	6,125.69	81.90	75.791		
2,200.00	2,181.09	2,216.09	2,216.09	10.33	75.69	-153.03	464.85	-5,974.63	6,221.26	6,135.48	85.78	72.528		
2,300.00	2,279.91	2,314.91	2,314.91	10.78	79.14	-153.10	464.85	-5,974.63	6,234.93	6,145.27	89.65	69.545		
2,400.00	2,378.73	2,413.73	2,413.73	11.23	82.58	-153.16	464.85	-5,974.63	6,248.61	6,155.08	93.53	66.808		
2,500.00	2,477.55	2,512.55	2,512.55	11.68	86.03	-153.22	464.85	-5,974.63	6,262.29	6,164.88	97.41	64.287		
2,600.00	2,576.38	2,611.38	2,611.38	12.13	89.48	-153.28	464.85	-5,974.63	6,275.99	6,174.70	101.29	61.959		
2,700.00	2,675.20	2,710.20	2,710.20	12.59	92.93	-153.35	464.85	-5,974.63	6,289.69	6,184.51	105.18	59.801		
2,800.00	2,774.02	2,809.02	2,809.02	13.04	96.37	-153.41	464.85	-5,974.63	6,303.40	6,194.34	109.06	57.797		
2,900.00	2,872.85	2,907.85	2,907.85	13.50	99.82	-153.47	464.85	-5,974.63	6,317.12	6,204.17	112.95	55.930		
3,000.00	2,971.67	3,006.67	3,006.67	13.96	103.27	-153.53	464.85	-5,974.63	6,330.84	6,214.00	116.83	54.186		
3,100.00	3,070.49	3,105.49	3,105.49	14.41	106.72	-153.59	464.85	-5,974.63	6,344.57	6,223.85	120.72	52.555		
3,200.00	3,169.31	3,204.31	3,204.31	14.87	110.17	-153.66	464.85	-5,974.63	6,358.31	6,233.69	124.61	51.025		
3,300.00	3,268.14	3,303.14	3,303.14	15.33	113.61	-153.72	464.85	-5,974.63	6,372.05	6,243.55	128.50	49.587		
3,400.00	3,366.96	3,401.96	3,401.96	15.79	117.06	-153.78	464.85	-5,974.63	6,385.80	6,253.41	132.39	48.234		
3,500.00	3,465.78	3,500.78	3,500.78	16.25	120.51	-153.84	464.85	-5,974.63	6,399.56	6,263.28	136.29	46.957		
3,600.00	3,564.61	3,600.39	3,599.61	16.72	123.99	-153.90	464.85	-5,974.63	6,413.33	6,273.12	140.20	45.743		
3,700.00	3,663.43	3,701.57	3,698.43	17.18	127.52	-153.96	464.85	-5,974.63	6,427.10	6,282.92	144.18	44.577		
3,800.00	3,762.25	3,802.75	3,797.25	17.64	131.05	-154.02	464.85	-5,974.63	6,440.88	6,292.73	148.16	43.474		
3,900.00	3,861.07	3,903.93	3,896.07	18.10	134.58	-154.08	464.85	-5,974.63	6,454.67	6,302.54	152.13	42.428		
4,000.00	3,959.90	4,005.10	3,994.90	18.57	138.11	-154.14	464.85	-5,974.63	6,468.46	6,312.35	156.11	41.436		
4,100.00	4,058.72	4,106.28	4,093.72	19.03	141.64	-154.19	464.85	-5,974.63	6,482.26	6,322.18	160.09	40.493		
4,200.00	4,157.54	4,207.46	4,192.54	19.50	145.17	-154.25	464.85	-5,974.63	6,496.07	6,332.01	164.06	39.595		
4,300.00	4,256.37	4,308.63	4,291.37	19.96	148.71	-154.31	464.85	-5,974.63	6,509.88	6,341.84	168.04	38.740		
4,400.00	4,355.19	4,409.81	4,390.19	20.43	152.24	-154.37	464.85	-5,974.63	6,523.70	6,351.68	172.02	37.924		
4,500.00	4,454.01	4,489.01	4,489.01	20.89	155.00	-154.43	464.85	-5,974.63	6,537.53	6,362.30	175.23	37.308		
4,600.00	4,552.83	4,587.83	4,587.83	21.36	158.45	-154.49	464.85	-5,974.63	6,551.36	6,372.24	179.13	36.574		
4,700.00	4,651.66	4,686.66	4,686.66	21.82	161.90	-154.54	464.85	-5,974.63	6,565.20	6,382.18	183.02	35.871		
4,800.00	4,750.48	4,785.48	4,785.48	22.29	165.35	-154.60	464.85	-5,974.63	6,579.05	6,392.13	186.92	35.197		
4,900.00	4,849.30	4,884.30	4,884.30	22.76	168.80	-154.66	464.85	-5,974.63	6,592.90	6,402.08	190.82	34.551		
5,000.00	4,948.13	4,983.13	4,983.13	23.22	172.25	-154.71	464.85	-5,974.63	6,606.76	6,412.05	194.72	33.930		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,081.95	5,081.95	23.69	175.70	-154.77	464.85	-5,974.63	6,620.63	6,422.01	198.61	33.334		
5,200.00	5,145.77	5,180.77	5,180.77	24.16	179.15	-154.83	464.85	-5,974.63	6,634.50	6,431.99	202.51	32.761		
5,300.00	5,244.59	5,279.59	5,279.59	24.62	182.59	-154.88	464.85	-5,974.63	6,648.38	6,441.97	206.41	32.209		
5,400.00	5,343.42	5,378.42	5,378.42	25.09	186.04	-154.94	464.85	-5,974.63	6,662.26	6,451.95	210.31	31.678		
5,500.00	5,442.24	5,477.24	5,477.24	25.56	189.49	-154.99	464.85	-5,974.63	6,676.15	6,461.94	214.21	31.167		
5,600.00	5,541.06	5,576.06	5,576.06	26.03	192.94	-155.05	464.85	-5,974.63	6,690.05	6,471.94	218.11	30.673		
5,700.00	5,639.89	5,674.89	5,674.89	26.50	196.39	-155.10	464.85	-5,974.63	6,703.95	6,481.95	222.01	30.197		
5,800.00	5,738.71	5,773.71	5,773.71	26.96	199.84	-155.16	464.85	-5,974.63	6,717.86	6,491.96	225.91	29.737		
5,900.00	5,837.53	5,872.53	5,872.53	27.43	203.29	-155.21	464.85	-5,974.63	6,731.78	6,501.97	229.81	29.293		
6,000.00	5,936.35	5,971.35	5,971.35	27.90	206.74	-155.27	464.85	-5,974.63	6,745.70	6,511.99	233.70	28.864		
6,100.00	6,035.18	6,070.18	6,070.18	28.37	210.19	-155.32	464.85	-5,974.63	6,759.62	6,522.02	237.60	28.449		
6,200.00	6,134.00	6,169.00	6,169.00	28.84	213.64	-155.38	464.85	-5,974.63	6,773.56	6,532.05	241.50	28.047		
6,300.00	6,232.82	6,267.82	6,267.82	29.31	217.09	-155.43	464.85	-5,974.63	6,787.49	6,542.09	245.40	27.658		
6,400.00	6,331.64	6,366.64	6,366.64	29.77	220.54	-155.48	464.85	-5,974.63	6,801.44	6,552.13	249.30	27.282		
6,477.15	6,407.89	6,442.89	6,442.89	30.14	223.20	-155.52	464.85	-5,974.63	6,812.20	6,559.89	252.31	26.999		
6,500.00	6,430.52	6,465.52	6,465.52	30.24	223.99	-149.32	464.85	-5,974.63	6,814.98	6,561.78	253.20	26.915		
6,550.00	6,480.31	6,515.31	6,515.31	30.46	225.73	-113.99	464.85	-5,974.63	6,818.23	6,563.07	255.16	26.722		
6,600.00	6,530.22	6,565.22	6,565.22	30.66	227.47	-45.70	464.85	-5,974.63	6,817.55	6,560.45	257.10	26.517		
6,650.00	6,579.93	6,614.93	6,614.93	30.85	229.21	-21.00	464.85	-5,974.63	6,812.96	6,553.95	259.02	26.303		
6,700.00	6,629.13	6,664.13	6,664.13	31.04	230.92	-12.57	464.85	-5,974.63	6,804.49	6,543.59	260.90	26.081		
6,750.00	6,677.53	6,712.53	6,712.53	31.23	232.61	-8.51	464.85	-5,974.63	6,792.18	6,529.44	262.75	25.851		
6,800.00	6,724.83	6,759.83	6,759.83	31.43	234.26	-6.13	464.85	-5,974.63	6,776.12	6,511.58	264.54	25.615		
6,850.00	6,770.73	6,805.73	6,805.73	31.63	235.87	-4.55	464.85	-5,974.63	6,756.39	6,490.13	266.26	25.375		
6,900.00	6,814.95	6,849.95	6,849.95	31.84	237.41	-3.39	464.85	-5,974.63	6,733.13	6,465.21	267.92	25.131		
6,950.00	6,857.22	6,907.78	6,892.22	32.06	239.43	-2.49	464.85	-5,974.63	6,706.47	6,436.44	270.03	24.836		
7,000.00	6,897.28	6,932.28	6,932.28	32.29	240.28	-1.74	464.85	-5,974.63	6,676.58	6,405.62	270.97	24.640		
7,050.00	6,934.88	6,969.88	6,969.88	32.54	241.60	-1.06	464.85	-5,974.63	6,643.65	6,371.30	272.34	24.394		
7,100.00	6,969.79	7,004.79	7,004.79	32.81	242.81	-0.41	464.85	-5,974.63	6,607.87	6,334.25	273.62	24.150		
7,150.00	7,001.79	7,036.79	7,036.79	33.11	243.93	0.25	464.85	-5,974.63	6,569.47	6,294.70	274.77	23.909		
7,200.00	7,030.69	7,065.69	7,065.69	33.44	244.94	0.98	464.85	-5,974.63	6,528.68	6,252.87	275.81	23.671		
7,250.00	7,056.31	7,108.69	7,091.31	33.81	246.44	1.85	464.85	-5,974.63	6,485.76	6,208.43	277.33	23.386		
7,300.00	7,078.48	7,113.48	7,113.48	34.21	246.61	2.96	464.85	-5,974.63	6,440.97	6,163.46	277.51	23.210		
7,350.00	7,097.08	7,132.08	7,132.08	34.65	247.26	4.50	464.85	-5,974.63	6,394.59	6,116.42	278.17	22.988		
7,400.00	7,112.00	7,147.00	7,147.00	35.12	247.78	6.89	464.85	-5,974.63	6,346.90	6,068.21	278.69	22.774		
7,450.00	7,123.12	7,158.12	7,158.12	35.64	248.17	11.19	464.85	-5,974.63	6,298.19	6,019.11	279.08	22.568		
7,500.00	7,130.40	7,165.40	7,165.40	36.19	248.42	21.15	464.85	-5,974.63	6,248.78	5,969.44	279.33	22.371		
7,550.00	7,133.78	7,168.78	7,168.78	36.77	248.54	58.30	464.85	-5,974.63	6,198.95	5,919.50	279.45	22.183		
7,574.97	7,134.00	7,169.00	7,169.00	37.06	248.55	102.45	464.85	-5,974.63	6,174.01	5,894.55	279.46	22.093		
7,600.00	7,133.73	7,168.73	7,168.73	37.37	248.54	102.40	464.85	-5,974.63	6,149.01	5,869.56	279.45	22.004		
7,700.00	7,132.66	7,167.66	7,167.66	38.71	248.50	102.20	464.85	-5,974.63	6,049.14	5,769.72	279.42	21.649		
7,800.00	7,131.59	7,166.59	7,166.59	40.20	248.46	102.01	464.85	-5,974.63	5,949.27	5,669.87	279.39	21.294		
7,900.00	7,130.52	7,165.52	7,165.52	41.84	248.43	101.81	464.85	-5,974.63	5,849.40	5,570.03	279.37	20.938		
8,000.00	7,129.45	7,164.45	7,164.45	43.60	248.39	101.61	464.85	-5,974.63	5,749.54	5,470.20	279.34	20.582		
8,100.00	7,128.38	7,163.38	7,163.38	45.47	248.35	101.42	464.85	-5,974.63	5,649.68	5,370.36	279.32	20.226		
8,200.00	7,127.31	7,162.31	7,162.31	47.44	248.31	101.22	464.85	-5,974.63	5,549.83	5,270.53	279.31	19.870		
8,300.00	7,126.24	7,161.24	7,161.24	49.49	248.28	101.02	464.85	-5,974.63	5,449.99	5,170.70	279.29	19.514		
8,400.00	7,125.17	7,160.17	7,160.17	51.61	248.24	100.83	464.85	-5,974.63	5,350.15	5,070.87	279.28	19.157		
8,500.00	7,124.10	7,159.10	7,159.10	53.81	248.20	100.63	464.85	-5,974.63	5,250.31	4,971.04	279.27	18.800		
8,600.00	7,123.03	7,158.03	7,158.03	56.06	248.16	100.43	464.85	-5,974.63	5,150.48	4,871.22	279.26	18.443		
8,700.00	7,121.96	7,156.96	7,156.96	58.36	248.13	100.23	464.85	-5,974.63	5,050.66	4,771.40	279.26	18.086		
8,800.00	7,120.89	7,155.89	7,155.89	60.71	248.09	100.03	464.85	-5,974.63	4,950.84	4,671.59	279.26	17.729		
8,900.00	7,119.82	7,154.82	7,154.82	63.10	248.05	99.83	464.85	-5,974.63	4,851.04	4,571.77	279.26	17.371		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	7,153.75	7,153.75	65.53	248.01	99.63	464.85	-5,974.63	4,751.24	4,471.97	279.27	17.013		
9,100.00	7,117.68	7,152.68	7,152.68	67.98	247.98	99.43	464.85	-5,974.63	4,651.44	4,372.16	279.28	16.655		
9,200.00	7,116.61	7,151.61	7,151.61	70.47	247.94	99.23	464.85	-5,974.63	4,551.66	4,272.36	279.30	16.297		
9,300.00	7,115.54	7,150.54	7,150.54	72.98	247.90	99.03	464.85	-5,974.63	4,451.89	4,172.57	279.32	15.938		
9,400.00	7,114.47	7,149.47	7,149.47	75.52	247.86	98.83	464.85	-5,974.63	4,352.12	4,072.78	279.35	15.580		
9,500.00	7,113.40	7,148.40	7,148.40	78.08	247.83	98.63	464.85	-5,974.63	4,252.37	3,972.99	279.38	15.221		
9,600.00	7,112.33	7,147.33	7,147.33	80.65	247.79	98.43	464.85	-5,974.63	4,152.63	3,873.21	279.42	14.862		
9,700.00	7,111.26	7,146.26	7,146.26	83.25	247.75	98.23	464.85	-5,974.63	4,052.90	3,773.44	279.47	14.502		
9,800.00	7,110.19	7,145.19	7,145.19	85.86	247.72	98.03	464.85	-5,974.63	3,953.19	3,673.67	279.52	14.143		
9,900.00	7,109.12	7,144.12	7,144.12	88.48	247.68	97.83	464.85	-5,974.63	3,853.49	3,573.90	279.58	13.783		
10,000.00	7,108.04	7,143.04	7,143.04	91.12	247.64	97.63	464.85	-5,974.63	3,753.80	3,474.15	279.66	13.423		
10,100.00	7,106.97	7,141.97	7,141.97	93.77	247.60	97.43	464.85	-5,974.63	3,654.13	3,374.40	279.74	13.063		
10,200.00	7,105.90	7,140.90	7,140.90	96.43	247.57	97.23	464.85	-5,974.63	3,554.48	3,274.65	279.83	12.702		
10,300.00	7,104.83	7,139.83	7,139.83	99.10	247.53	97.02	464.85	-5,974.63	3,454.86	3,174.92	279.94	12.341		
10,400.00	7,103.76	7,138.76	7,138.76	101.78	247.49	96.82	464.85	-5,974.63	3,355.25	3,075.19	280.06	11.980		
10,500.00	7,102.69	7,137.69	7,137.69	104.47	247.45	96.62	464.85	-5,974.63	3,255.66	2,975.47	280.20	11.619		
10,600.00	7,101.62	7,136.62	7,136.62	107.16	247.42	96.42	464.85	-5,974.63	3,156.10	2,875.75	280.35	11.258		
10,700.00	7,100.55	7,135.55	7,135.55	109.87	247.38	96.21	464.85	-5,974.63	3,056.58	2,776.05	280.53	10.896		
10,800.00	7,099.48	7,134.48	7,134.48	112.58	247.34	96.01	464.85	-5,974.63	2,957.08	2,676.35	280.73	10.534		
10,900.00	7,098.41	7,133.41	7,133.41	115.29	247.30	95.81	464.85	-5,974.63	2,857.61	2,576.66	280.95	10.171		
11,000.00	7,097.34	7,132.34	7,132.34	118.02	247.27	95.61	464.85	-5,974.63	2,758.19	2,476.98	281.20	9.808		
11,100.00	7,096.27	7,131.27	7,131.27	120.74	247.23	95.40	464.85	-5,974.63	2,658.80	2,377.31	281.49	9.445		
11,200.00	7,095.20	7,130.20	7,130.20	123.48	247.19	95.20	464.85	-5,974.63	2,559.47	2,277.65	281.82	9.082		
11,300.00	7,094.13	7,129.13	7,129.13	126.22	247.15	95.00	464.85	-5,974.63	2,460.19	2,177.99	282.19	8.718		
11,400.00	7,093.06	7,128.06	7,128.06	128.96	247.12	94.79	464.85	-5,974.63	2,360.97	2,078.35	282.62	8.354		
11,500.00	7,091.99	7,126.99	7,126.99	131.71	247.08	94.59	464.85	-5,974.63	2,261.81	1,978.70	283.11	7.989		
11,600.00	7,090.92	7,125.92	7,125.92	134.46	247.04	94.38	464.85	-5,974.63	2,162.74	1,879.07	283.67	7.624		
11,700.00	7,089.85	7,124.85	7,124.85	137.21	247.01	94.18	464.85	-5,974.63	2,063.75	1,779.44	284.31	7.259		
11,800.00	7,088.78	7,123.78	7,123.78	139.97	246.97	93.98	464.85	-5,974.63	1,964.86	1,679.80	285.06	6.893		
11,900.00	7,087.71	7,122.71	7,122.71	142.73	246.93	93.77	464.85	-5,974.63	1,866.09	1,580.17	285.92	6.527		
12,000.00	7,086.64	7,121.64	7,121.64	145.50	246.89	93.57	464.85	-5,974.63	1,767.46	1,480.54	286.93	6.160		
12,100.00	7,085.57	7,120.57	7,120.57	148.26	246.86	93.36	464.85	-5,974.63	1,669.00	1,380.89	288.11	5.793		
12,200.00	7,084.50	7,119.50	7,119.50	151.03	246.82	93.16	464.85	-5,974.63	1,570.72	1,281.23	289.49	5.426		
12,300.00	7,083.43	7,118.43	7,118.43	153.81	246.78	92.95	464.85	-5,974.63	1,472.68	1,181.55	291.13	5.058		
12,400.00	7,082.36	7,117.36	7,117.36	156.58	246.74	92.75	464.85	-5,974.63	1,374.92	1,081.83	293.09	4.691		
12,500.00	7,081.29	7,116.29	7,116.29	159.36	246.71	92.55	464.85	-5,974.63	1,277.50	982.07	295.43	4.324		
12,600.00	7,080.22	7,115.22	7,115.22	162.14	246.67	92.34	464.85	-5,974.63	1,180.52	882.25	298.27	3.958		
12,700.00	7,079.15	7,114.15	7,114.15	164.92	246.63	92.14	464.85	-5,974.63	1,084.08	782.36	301.72	3.593		
12,800.00	7,078.08	7,113.08	7,113.08	167.71	246.59	91.93	464.85	-5,974.63	988.35	682.38	305.97	3.230		
12,900.00	7,077.01	7,112.01	7,112.01	170.49	246.56	91.73	464.85	-5,974.63	893.55	582.30	311.26	2.871		
13,000.00	7,075.93	7,110.93	7,110.93	173.28	246.52	91.52	464.85	-5,974.63	800.02	482.11	317.92	2.516		
13,100.00	7,074.86	7,109.86	7,109.86	176.07	246.48	91.32	464.85	-5,974.63	708.26	381.85	326.41	2.170		
13,200.00	7,073.79	7,108.79	7,108.79	178.86	246.44	91.11	464.85	-5,974.63	619.06	281.68	337.37	1.835		
13,300.00	7,072.72	7,107.72	7,107.72	181.65	246.41	90.91	464.85	-5,974.63	533.69	182.04	351.65	1.518		
13,400.00	7,071.65	7,106.65	7,106.65	184.45	246.37	90.70	464.85	-5,974.63	454.33	84.17	370.16	1.227 Level 2		
13,500.00	7,070.58	7,105.58	7,105.58	187.25	246.33	90.50	464.85	-5,974.63	384.71	-8.53	393.25	0.978 Level 1		
13,600.00	7,069.51	7,104.51	7,104.51	190.04	246.30	90.29	464.85	-5,974.63	331.05	-87.42	418.47	0.791 Level 1		
13,700.00	7,068.44	7,103.44	7,103.44	192.84	246.26	90.09	464.85	-5,974.63	301.95	-135.30	437.25	0.691 Level 1		
13,742.09	7,067.99	7,102.99	7,102.99	194.02	246.24	90.00	464.85	-5,974.63	299.01	-141.26	440.26	0.679 Level 1, CC, ES, SF		
13,800.00	7,067.37	7,102.37	7,102.37	195.64	246.22	89.88	464.85	-5,974.63	304.56	-133.86	438.43	0.695 Level 1		
13,900.00	7,066.30	7,101.30	7,101.30	198.44	246.18	89.68	464.85	-5,974.63	338.14	-84.28	422.42	0.800 Level 1		
14,000.00	7,065.23	7,100.23	7,100.23	201.24	246.15	89.47	464.85	-5,974.63	394.86	-5.33	400.19	0.987 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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - REICHERT #1-6 - 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)						
14,100.00	7,064.16	7,100.84	7,099.16	204.05	246.17	89.27	464.85	-5,974.63	466.36	86.75	379.60	1.229	Level 2				
14,200.00	7,063.09	7,101.91	7,098.09	206.85	246.20	89.06	464.85	-5,974.63	546.87	184.01	362.86	1.507					
14,300.00	7,062.02	7,102.98	7,097.02	209.66	246.24	88.86	464.85	-5,974.63	632.96	283.21	349.75	1.810					
14,400.00	7,060.95	7,104.05	7,095.95	212.46	246.28	88.65	464.85	-5,974.63	722.64	383.12	339.52	2.128					
14,500.00	7,059.88	7,105.12	7,094.88	215.27	246.32	88.45	464.85	-5,974.63	814.72	483.25	331.47	2.458					
14,600.00	7,058.81	7,106.19	7,093.81	218.08	246.35	88.24	464.85	-5,974.63	908.48	583.42	325.05	2.795					
14,700.00	7,057.74	7,107.26	7,092.74	220.89	246.39	88.04	464.85	-5,974.63	1,003.44	683.57	319.87	3.137					
14,800.00	7,056.67	7,108.33	7,091.67	223.70	246.43	87.83	464.85	-5,974.63	1,099.30	783.66	315.64	3.483					
14,900.00	7,055.60	7,109.40	7,090.60	226.51	246.47	87.63	464.85	-5,974.63	1,195.83	883.69	312.14	3.831					
15,000.00	7,054.53	7,089.53	7,089.53	229.32	245.77	87.42	464.85	-5,974.63	1,292.89	984.41	308.48	4.191					
15,100.00	7,053.46	7,088.46	7,088.46	232.14	245.73	87.22	464.85	-5,974.63	1,390.37	1,084.42	305.94	4.545					
15,200.00	7,052.39	7,087.39	7,087.39	234.95	245.70	87.01	464.85	-5,974.63	1,488.18	1,184.40	303.77	4.899					
15,300.00	7,051.32	7,086.32	7,086.32	237.76	245.66	86.81	464.85	-5,974.63	1,586.26	1,284.35	301.91	5.254					
15,400.00	7,050.25	7,085.25	7,085.25	240.58	245.62	86.60	464.85	-5,974.63	1,684.56	1,384.28	300.29	5.610					
15,500.00	7,049.18	7,084.18	7,084.18	243.39	245.59	86.40	464.85	-5,974.63	1,783.06	1,484.19	298.87	5.966					
15,600.00	7,048.11	7,083.11	7,083.11	246.21	245.55	86.20	464.85	-5,974.63	1,881.71	1,584.08	297.63	6.322					
15,703.32	7,047.00	7,082.00	7,082.00	249.12	245.51	85.98	464.85	-5,974.63	1,983.78	1,687.27	296.51	6.690					
15,703.90	7,046.99	7,081.99	7,081.99	249.13	245.51	85.98	464.85	-5,974.63	1,984.36	1,687.86	296.50	6.693					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	33.00	33.00	3.28	3.33	-97.25	-1,091.40	-8,584.88	8,653.98					
100.00	100.00	133.00	133.00	3.28	4.38	-97.25	-1,091.40	-8,584.88	8,653.98	8,646.32	7.66	1,129.580		
200.00	200.00	233.00	233.00	3.34	7.18	-97.25	-1,091.40	-8,584.88	8,653.98	8,643.46	10.52	822.748		
300.00	300.00	333.00	333.00	3.44	10.41	-97.25	-1,091.40	-8,584.88	8,653.98	8,640.12	13.85	624.624		
400.00	399.98	432.98	432.98	3.60	13.77	-163.89	-1,091.40	-8,584.88	8,655.66	8,638.29	17.37	498.377		
500.00	499.84	532.84	532.84	3.80	17.17	-163.87	-1,091.40	-8,584.88	8,660.68	8,639.71	20.97	412.910		
600.00	599.45	632.45	632.45	4.05	20.60	-163.84	-1,091.40	-8,584.88	8,669.06	8,644.42	24.64	351.824		
700.00	698.70	731.70	731.70	4.32	24.02	-163.80	-1,091.40	-8,584.88	8,680.77	8,652.43	28.34	306.280		
740.00	738.27	771.27	771.27	4.45	25.39	-163.78	-1,091.40	-8,584.88	8,686.38	8,656.55	29.83	291.169		
800.00	797.57	830.57	830.57	4.63	27.45	-163.79	-1,091.40	-8,584.88	8,695.21	8,663.14	32.07	271.143		
900.00	896.39	929.39	929.39	4.96	30.87	-163.82	-1,091.40	-8,584.88	8,709.91	8,674.09	35.82	243.185		
1,000.00	995.21	1,028.21	1,028.21	5.32	34.31	-163.85	-1,091.40	-8,584.88	8,724.62	8,685.03	39.59	220.390		
1,100.00	1,094.03	1,127.03	1,127.03	5.69	37.74	-163.88	-1,091.40	-8,584.88	8,739.33	8,695.95	43.38	201.471		
1,200.00	1,192.86	1,225.86	1,225.86	6.07	41.18	-163.90	-1,091.40	-8,584.88	8,754.04	8,706.85	47.18	185.531		
1,300.00	1,291.68	1,324.68	1,324.68	6.47	44.62	-163.93	-1,091.40	-8,584.88	8,768.75	8,717.75	51.00	171.928		
1,400.00	1,390.50	1,423.50	1,423.50	6.88	48.06	-163.96	-1,091.40	-8,584.88	8,783.47	8,728.63	54.83	160.189		
1,500.00	1,489.33	1,522.33	1,522.33	7.29	51.50	-163.99	-1,091.40	-8,584.88	8,798.18	8,739.51	58.67	149.960		
1,600.00	1,588.15	1,621.15	1,621.15	7.71	54.95	-164.01	-1,091.40	-8,584.88	8,812.90	8,750.39	62.52	140.971		
1,700.00	1,686.97	1,719.97	1,719.97	8.14	58.39	-164.04	-1,091.40	-8,584.88	8,827.62	8,761.26	66.37	133.011		
1,800.00	1,785.79	1,818.79	1,818.79	8.57	61.84	-164.07	-1,091.40	-8,584.88	8,842.35	8,772.12	70.22	125.915		
1,900.00	1,884.62	1,917.62	1,917.62	9.01	65.28	-164.10	-1,091.40	-8,584.88	8,857.07	8,782.98	74.09	119.551		
2,000.00	1,983.44	2,016.44	2,016.44	9.45	68.73	-164.12	-1,091.40	-8,584.88	8,871.80	8,793.85	77.95	113.811		
2,100.00	2,082.26	2,115.26	2,115.26	9.89	72.17	-164.15	-1,091.40	-8,584.88	8,886.53	8,804.71	81.82	108.610		
2,200.00	2,181.09	2,214.09	2,214.09	10.33	75.62	-164.18	-1,091.40	-8,584.88	8,901.26	8,815.57	85.69	103.874		
2,300.00	2,279.91	2,312.91	2,312.91	10.78	79.07	-164.20	-1,091.40	-8,584.88	8,915.99	8,826.42	89.57	99.545		
2,400.00	2,378.73	2,411.73	2,411.73	11.23	82.51	-164.23	-1,091.40	-8,584.88	8,930.73	8,837.28	93.44	95.573		
2,500.00	2,477.55	2,510.55	2,510.55	11.68	85.96	-164.26	-1,091.40	-8,584.88	8,945.46	8,848.14	97.32	91.915		
2,600.00	2,576.38	2,609.38	2,609.38	12.13	89.41	-164.28	-1,091.40	-8,584.88	8,960.20	8,859.00	101.20	88.536		
2,700.00	2,675.20	2,708.20	2,708.20	12.59	92.86	-164.31	-1,091.40	-8,584.88	8,974.94	8,869.85	105.09	85.406		
2,800.00	2,774.02	2,807.02	2,807.02	13.04	96.30	-164.34	-1,091.40	-8,584.88	8,989.68	8,880.71	108.97	82.497		
2,900.00	2,872.85	2,905.85	2,905.85	13.50	99.75	-164.36	-1,091.40	-8,584.88	9,004.43	8,891.57	112.85	79.788		
3,000.00	2,971.67	3,004.67	3,004.67	13.96	103.20	-164.39	-1,091.40	-8,584.88	9,019.17	8,902.43	116.74	77.258		
3,100.00	3,070.49	3,103.49	3,103.49	14.41	106.65	-164.42	-1,091.40	-8,584.88	9,033.92	8,913.29	120.63	74.891		
3,200.00	3,169.31	3,202.31	3,202.31	14.87	110.10	-164.44	-1,091.40	-8,584.88	9,048.67	8,924.15	124.52	72.671		
3,300.00	3,268.14	3,301.14	3,301.14	15.33	113.54	-164.47	-1,091.40	-8,584.88	9,063.42	8,935.02	128.41	70.585		
3,400.00	3,366.96	3,400.04	3,399.96	15.79	117.00	-164.49	-1,091.40	-8,584.88	9,078.17	8,945.88	132.30	68.619		
3,500.00	3,465.78	3,501.22	3,498.78	16.25	120.53	-164.52	-1,091.40	-8,584.88	9,092.93	8,956.66	136.27	66.727		
3,600.00	3,564.61	3,602.39	3,597.61	16.72	124.06	-164.54	-1,091.40	-8,584.88	9,107.69	8,967.44	140.24	64.942		
3,700.00	3,663.43	3,703.57	3,696.43	17.18	127.59	-164.57	-1,091.40	-8,584.88	9,122.44	8,978.23	144.22	63.254		
3,800.00	3,762.25	3,804.75	3,795.25	17.64	131.12	-164.60	-1,091.40	-8,584.88	9,137.20	8,989.01	148.19	61.658		
3,900.00	3,861.07	3,905.93	3,894.07	18.10	134.65	-164.62	-1,091.40	-8,584.88	9,151.97	8,999.80	152.17	60.144		
4,000.00	3,959.90	4,007.10	3,992.90	18.57	138.18	-164.65	-1,091.40	-8,584.88	9,166.73	9,010.59	156.14	58.707		
4,100.00	4,058.72	4,108.28	4,091.72	19.03	141.71	-164.67	-1,091.40	-8,584.88	9,181.50	9,021.38	160.12	57.341		
4,200.00	4,157.54	4,209.46	4,190.54	19.50	145.24	-164.70	-1,091.40	-8,584.88	9,196.26	9,032.17	164.10	56.042		
4,300.00	4,256.37	4,289.37	4,289.37	19.96	148.03	-164.72	-1,091.40	-8,584.88	9,211.03	9,043.70	167.33	55.047		
4,400.00	4,355.19	4,388.19	4,388.19	20.43	151.48	-164.75	-1,091.40	-8,584.88	9,225.80	9,054.58	171.23	53.881		
4,500.00	4,454.01	4,487.01	4,487.01	20.89	154.93	-164.77	-1,091.40	-8,584.88	9,240.57	9,065.45	175.12	52.767		
4,600.00	4,552.83	4,585.83	4,585.83	21.36	158.38	-164.80	-1,091.40	-8,584.88	9,255.35	9,076.33	179.02	51.701		
4,700.00	4,651.66	4,684.66	4,684.66	21.82	161.83	-164.82	-1,091.40	-8,584.88	9,270.12	9,087.21	182.91	50.680		
4,800.00	4,750.48	4,783.48	4,783.48	22.29	165.28	-164.85	-1,091.40	-8,584.88	9,284.90	9,098.09	186.81	49.702		
4,900.00	4,849.30	4,882.30	4,882.30	22.76	168.73	-164.87	-1,091.40	-8,584.88	9,299.68	9,108.97	190.71	48.764		
5,000.00	4,948.13	4,981.13	4,981.13	23.22	172.18	-164.90	-1,091.40	-8,584.88	9,314.46	9,119.86	194.60	47.864		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,079.95	5,079.95	23.69	175.63	-164.92	-1,091.40	-8,584.88	9,329.25	9,130.74	198.50	46.998		
5,200.00	5,145.77	5,178.77	5,178.77	24.16	179.08	-164.94	-1,091.40	-8,584.88	9,344.03	9,141.63	202.40	46.166		
5,300.00	5,244.59	5,277.59	5,277.59	24.62	182.53	-164.97	-1,091.40	-8,584.88	9,358.82	9,152.52	206.30	45.366		
5,400.00	5,343.42	5,376.42	5,376.42	25.09	185.97	-164.99	-1,091.40	-8,584.88	9,373.60	9,163.41	210.19	44.595		
5,500.00	5,442.24	5,475.24	5,475.24	25.56	189.42	-165.02	-1,091.40	-8,584.88	9,388.39	9,174.30	214.09	43.852		
5,600.00	5,541.06	5,574.06	5,574.06	26.03	192.87	-165.04	-1,091.40	-8,584.88	9,403.18	9,185.19	217.99	43.136		
5,700.00	5,639.89	5,672.89	5,672.89	26.50	196.32	-165.06	-1,091.40	-8,584.88	9,417.98	9,196.09	221.89	42.445		
5,800.00	5,738.71	5,771.71	5,771.71	26.96	199.77	-165.09	-1,091.40	-8,584.88	9,432.77	9,206.98	225.79	41.777		
5,900.00	5,837.53	5,870.53	5,870.53	27.43	203.22	-165.11	-1,091.40	-8,584.88	9,447.57	9,217.88	229.69	41.132		
6,000.00	5,936.35	5,969.35	5,969.35	27.90	206.67	-165.14	-1,091.40	-8,584.88	9,462.36	9,228.78	233.59	40.509		
6,100.00	6,035.18	6,068.18	6,068.18	28.37	210.12	-165.16	-1,091.40	-8,584.88	9,477.16	9,239.68	237.48	39.906		
6,200.00	6,134.00	6,167.00	6,167.00	28.84	213.57	-165.18	-1,091.40	-8,584.88	9,491.96	9,250.58	241.38	39.323		
6,300.00	6,232.82	6,265.82	6,265.82	29.31	217.02	-165.21	-1,091.40	-8,584.88	9,506.76	9,261.48	245.28	38.758		
6,400.00	6,331.64	6,364.64	6,364.64	29.77	220.47	-165.23	-1,091.40	-8,584.88	9,521.57	9,272.39	249.18	38.211		
6,477.15	6,407.89	6,440.89	6,440.89	30.14	223.13	-165.25	-1,091.40	-8,584.88	9,532.99	9,280.80	252.19	37.801		
6,500.00	6,430.52	6,463.52	6,463.52	30.24	223.92	-158.99	-1,091.40	-8,584.88	9,535.97	9,282.89	253.08	37.679		
6,550.00	6,480.31	6,513.31	6,513.31	30.46	225.66	-123.60	-1,091.40	-8,584.88	9,539.66	9,284.63	255.04	37.405		
6,600.00	6,530.22	6,563.22	6,563.22	30.66	227.40	-55.31	-1,091.40	-8,584.88	9,539.47	9,282.49	256.98	37.122		
6,650.00	6,579.93	6,612.93	6,612.93	30.85	229.14	-30.67	-1,091.40	-8,584.88	9,535.37	9,276.48	258.90	36.831		
6,700.00	6,629.13	6,662.13	6,662.13	31.04	230.85	-22.37	-1,091.40	-8,584.88	9,527.42	9,266.63	260.78	36.534		
6,750.00	6,677.53	6,710.53	6,710.53	31.23	232.54	-18.51	-1,091.40	-8,584.88	9,515.64	9,253.01	262.63	36.233		
6,800.00	6,724.83	6,757.83	6,757.83	31.43	234.19	-16.40	-1,091.40	-8,584.88	9,500.12	9,235.70	264.42	35.929		
6,850.00	6,770.73	6,803.73	6,803.73	31.63	235.80	-15.18	-1,091.40	-8,584.88	9,480.95	9,214.81	266.14	35.623		
6,900.00	6,814.95	6,847.95	6,847.95	31.84	237.34	-14.49	-1,091.40	-8,584.88	9,458.26	9,190.46	267.80	35.319		
6,950.00	6,857.22	6,909.78	6,890.22	32.06	239.50	-14.16	-1,091.40	-8,584.88	9,432.17	9,162.12	270.05	34.927		
7,000.00	6,897.28	6,930.28	6,930.28	32.29	240.21	-14.13	-1,091.40	-8,584.88	9,402.86	9,132.01	270.85	34.716		
7,050.00	6,934.88	6,967.88	6,967.88	32.54	241.53	-14.36	-1,091.40	-8,584.88	9,370.50	9,098.28	272.23	34.422		
7,100.00	6,969.79	7,002.79	7,002.79	32.81	242.74	-14.85	-1,091.40	-8,584.88	9,335.30	9,061.80	273.50	34.133		
7,150.00	7,001.79	7,034.79	7,034.79	33.11	243.86	-15.63	-1,091.40	-8,584.88	9,297.47	9,022.81	274.66	33.851		
7,200.00	7,030.69	7,063.69	7,063.69	33.44	244.87	-16.77	-1,091.40	-8,584.88	9,257.24	8,981.54	275.70	33.577		
7,250.00	7,056.31	7,089.31	7,089.31	33.81	245.76	-18.39	-1,091.40	-8,584.88	9,214.87	8,938.24	276.62	33.312		
7,300.00	7,078.48	7,111.48	7,111.48	34.21	246.54	-20.69	-1,091.40	-8,584.88	9,170.61	8,893.19	277.41	33.058		
7,350.00	7,097.08	7,130.08	7,130.08	34.65	247.19	-24.04	-1,091.40	-8,584.88	9,124.74	8,846.66	278.08	32.814		
7,400.00	7,112.00	7,145.00	7,145.00	35.12	247.71	-29.17	-1,091.40	-8,584.88	9,077.53	8,798.93	278.61	32.582		
7,450.00	7,123.12	7,156.12	7,156.12	35.64	248.10	-37.52	-1,091.40	-8,584.88	9,029.30	8,750.29	279.00	32.363		
7,500.00	7,130.40	7,163.40	7,163.40	36.19	248.35	-52.23	-1,091.40	-8,584.88	8,980.32	8,701.05	279.27	32.157		
7,550.00	7,133.78	7,166.78	7,166.78	36.77	248.47	-78.00	-1,091.40	-8,584.88	8,930.90	8,651.50	279.40	31.965		
7,574.97	7,134.00	7,167.00	7,167.00	37.06	248.48	-94.64	-1,091.40	-8,584.88	8,906.14	8,626.73	279.41	31.875		
7,600.00	7,133.73	7,166.73	7,166.73	37.37	248.47	-94.62	-1,091.40	-8,584.88	8,881.33	8,601.92	279.41	31.786		
7,700.00	7,132.66	7,165.66	7,165.66	38.71	248.43	-94.57	-1,091.40	-8,584.88	8,782.21	8,502.80	279.41	31.431		
7,800.00	7,131.59	7,164.59	7,164.59	40.20	248.39	-94.52	-1,091.40	-8,584.88	8,683.11	8,403.70	279.42	31.076		
7,900.00	7,130.52	7,163.52	7,163.52	41.84	248.36	-94.47	-1,091.40	-8,584.88	8,584.04	8,304.60	279.43	30.719		
8,000.00	7,129.45	7,162.45	7,162.45	43.60	248.32	-94.41	-1,091.40	-8,584.88	8,484.98	8,205.52	279.46	30.362		
8,100.00	7,128.38	7,161.38	7,161.38	45.47	248.28	-94.36	-1,091.40	-8,584.88	8,385.94	8,106.45	279.49	30.004		
8,200.00	7,127.31	7,160.31	7,160.31	47.44	248.24	-94.31	-1,091.40	-8,584.88	8,286.93	8,007.40	279.53	29.646		
8,300.00	7,126.24	7,159.24	7,159.24	49.49	248.21	-94.26	-1,091.40	-8,584.88	8,187.94	7,908.36	279.58	29.287		
8,400.00	7,125.17	7,158.17	7,158.17	51.61	248.17	-94.20	-1,091.40	-8,584.88	8,088.98	7,809.34	279.64	28.926		
8,500.00	7,124.10	7,157.10	7,157.10	53.81	248.13	-94.15	-1,091.40	-8,584.88	7,990.04	7,710.33	279.71	28.565		
8,600.00	7,123.03	7,156.03	7,156.03	56.06	248.09	-94.10	-1,091.40	-8,584.88	7,891.13	7,611.34	279.79	28.204		
8,700.00	7,121.96	7,154.96	7,154.96	58.36	248.06	-94.05	-1,091.40	-8,584.88	7,792.25	7,512.36	279.88	27.841		
8,800.00	7,120.89	7,153.89	7,153.89	60.71	248.02	-93.99	-1,091.40	-8,584.88	7,693.39	7,413.40	279.99	27.478		
8,900.00	7,119.82	7,152.82	7,152.82	63.10	247.98	-93.94	-1,091.40	-8,584.88	7,594.57	7,314.46	280.10	27.113		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	7,151.75	7,151.75	65.53	247.94	-93.89	-1,091.40	-8,584.88	7,495.77	7,215.54	280.23	26.748		
9,100.00	7,117.68	7,150.68	7,150.68	67.98	247.91	-93.84	-1,091.40	-8,584.88	7,397.01	7,116.63	280.38	26.382		
9,200.00	7,116.61	7,149.61	7,149.61	70.47	247.87	-93.79	-1,091.40	-8,584.88	7,298.28	7,017.75	280.54	26.015		
9,300.00	7,115.54	7,148.54	7,148.54	72.98	247.83	-93.73	-1,091.40	-8,584.88	7,199.59	6,918.88	280.71	25.648		
9,400.00	7,114.47	7,147.47	7,147.47	75.52	247.79	-93.68	-1,091.40	-8,584.88	7,100.93	6,820.03	280.90	25.279		
9,500.00	7,113.40	7,146.40	7,146.40	78.08	247.76	-93.63	-1,091.40	-8,584.88	7,002.31	6,721.21	281.11	24.910		
9,600.00	7,112.33	7,145.33	7,145.33	80.65	247.72	-93.58	-1,091.40	-8,584.88	6,903.73	6,622.40	281.33	24.540		
9,700.00	7,111.26	7,144.26	7,144.26	83.25	247.68	-93.52	-1,091.40	-8,584.88	6,805.20	6,523.62	281.57	24.168		
9,800.00	7,110.19	7,143.19	7,143.19	85.86	247.65	-93.47	-1,091.40	-8,584.88	6,706.70	6,424.86	281.84	23.796		
9,900.00	7,109.12	7,142.12	7,142.12	88.48	247.61	-93.42	-1,091.40	-8,584.88	6,608.25	6,326.13	282.12	23.423		
10,000.00	7,108.04	7,141.04	7,141.04	91.12	247.57	-93.37	-1,091.40	-8,584.88	6,509.85	6,227.42	282.43	23.050		
10,100.00	7,106.97	7,139.97	7,139.97	93.77	247.53	-93.31	-1,091.40	-8,584.88	6,411.50	6,128.74	282.75	22.675		
10,200.00	7,105.90	7,138.90	7,138.90	96.43	247.50	-93.26	-1,091.40	-8,584.88	6,313.19	6,030.09	283.11	22.300		
10,300.00	7,104.83	7,137.83	7,137.83	99.10	247.46	-93.21	-1,091.40	-8,584.88	6,214.95	5,931.46	283.48	21.923		
10,400.00	7,103.76	7,136.76	7,136.76	101.78	247.42	-93.16	-1,091.40	-8,584.88	6,116.75	5,832.87	283.89	21.546		
10,500.00	7,102.69	7,135.69	7,135.69	104.47	247.38	-93.10	-1,091.40	-8,584.88	6,018.62	5,734.30	284.32	21.168		
10,600.00	7,101.62	7,134.62	7,134.62	107.16	247.35	-93.05	-1,091.40	-8,584.88	5,920.55	5,635.77	284.78	20.790		
10,700.00	7,100.55	7,133.55	7,133.55	109.87	247.31	-93.00	-1,091.40	-8,584.88	5,822.55	5,537.27	285.27	20.410		
10,800.00	7,099.48	7,132.48	7,132.48	112.58	247.27	-92.95	-1,091.40	-8,584.88	5,724.61	5,438.81	285.80	20.030		
10,900.00	7,098.41	7,131.41	7,131.41	115.29	247.23	-92.89	-1,091.40	-8,584.88	5,626.75	5,340.39	286.36	19.649		
11,000.00	7,097.34	7,130.34	7,130.34	118.02	247.20	-92.84	-1,091.40	-8,584.88	5,528.96	5,242.01	286.95	19.268		
11,100.00	7,096.27	7,129.27	7,129.27	120.74	247.16	-92.79	-1,091.40	-8,584.88	5,431.26	5,143.67	287.59	18.886		
11,200.00	7,095.20	7,128.20	7,128.20	123.48	247.12	-92.74	-1,091.40	-8,584.88	5,333.64	5,045.38	288.26	18.503		
11,300.00	7,094.13	7,127.13	7,127.13	126.22	247.08	-92.68	-1,091.40	-8,584.88	5,236.10	4,947.13	288.98	18.120		
11,400.00	7,093.06	7,126.06	7,126.06	128.96	247.05	-92.63	-1,091.40	-8,584.88	5,138.67	4,848.93	289.74	17.736		
11,500.00	7,091.99	7,124.99	7,124.99	131.71	247.01	-92.58	-1,091.40	-8,584.88	5,041.33	4,750.79	290.54	17.351		
11,600.00	7,090.92	7,123.92	7,123.92	134.46	246.97	-92.53	-1,091.40	-8,584.88	4,944.10	4,652.70	291.40	16.967		
11,700.00	7,089.85	7,122.85	7,122.85	137.21	246.94	-92.47	-1,091.40	-8,584.88	4,846.98	4,554.67	292.31	16.582		
11,800.00	7,088.78	7,121.78	7,121.78	139.97	246.90	-92.42	-1,091.40	-8,584.88	4,749.98	4,456.70	293.27	16.196		
11,900.00	7,087.71	7,120.71	7,120.71	142.73	246.86	-92.37	-1,091.40	-8,584.88	4,653.11	4,358.81	294.30	15.811		
12,000.00	7,086.64	7,119.64	7,119.64	145.50	246.82	-92.32	-1,091.40	-8,584.88	4,556.37	4,260.98	295.38	15.425		
12,100.00	7,085.57	7,118.57	7,118.57	148.26	246.79	-92.26	-1,091.40	-8,584.88	4,459.78	4,163.24	296.54	15.040		
12,200.00	7,084.50	7,117.50	7,117.50	151.03	246.75	-92.21	-1,091.40	-8,584.88	4,363.33	4,065.58	297.76	14.654		
12,300.00	7,083.43	7,116.43	7,116.43	153.81	246.71	-92.16	-1,091.40	-8,584.88	4,267.06	3,968.00	299.05	14.269		
12,400.00	7,082.36	7,115.36	7,115.36	156.58	246.67	-92.11	-1,091.40	-8,584.88	4,170.96	3,870.53	300.43	13.883		
12,500.00	7,081.29	7,114.29	7,114.29	159.36	246.64	-92.05	-1,091.40	-8,584.88	4,075.04	3,773.15	301.89	13.499		
12,600.00	7,080.22	7,113.22	7,113.22	162.14	246.60	-92.00	-1,091.40	-8,584.88	3,979.33	3,675.89	303.44	13.114		
12,700.00	7,079.15	7,112.15	7,112.15	164.92	246.56	-91.95	-1,091.40	-8,584.88	3,883.83	3,578.75	305.08	12.731		
12,800.00	7,078.08	7,111.08	7,111.08	167.71	246.52	-91.90	-1,091.40	-8,584.88	3,788.56	3,481.74	306.82	12.348		
12,900.00	7,077.01	7,110.01	7,110.01	170.49	246.49	-91.84	-1,091.40	-8,584.88	3,693.54	3,384.87	308.68	11.966		
13,000.00	7,075.93	7,108.93	7,108.93	173.28	246.45	-91.79	-1,091.40	-8,584.88	3,598.80	3,288.15	310.65	11.585		
13,100.00	7,074.86	7,107.86	7,107.86	176.07	246.41	-91.74	-1,091.40	-8,584.88	3,504.34	3,191.60	312.74	11.205		
13,200.00	7,073.79	7,106.79	7,106.79	178.86	246.37	-91.69	-1,091.40	-8,584.88	3,410.20	3,095.23	314.97	10.827		
13,300.00	7,072.72	7,105.72	7,105.72	181.65	246.34	-91.63	-1,091.40	-8,584.88	3,316.41	2,999.07	317.34	10.451		
13,400.00	7,071.65	7,104.65	7,104.65	184.45	246.30	-91.58	-1,091.40	-8,584.88	3,222.98	2,903.12	319.86	10.076		
13,500.00	7,070.58	7,103.58	7,103.58	187.25	246.26	-91.53	-1,091.40	-8,584.88	3,129.96	2,807.41	322.55	9.704		
13,600.00	7,069.51	7,102.51	7,102.51	190.04	246.23	-91.48	-1,091.40	-8,584.88	3,037.39	2,711.97	325.42	9.334		
13,700.00	7,068.44	7,101.44	7,101.44	192.84	246.19	-91.42	-1,091.40	-8,584.88	2,945.30	2,616.82	328.48	8.966		
13,800.00	7,067.37	7,100.37	7,100.37	195.64	246.15	-91.37	-1,091.40	-8,584.88	2,853.74	2,522.00	331.75	8.602		
13,900.00	7,066.30	7,100.70	7,099.30	198.44	246.16	-91.32	-1,091.40	-8,584.88	2,762.77	2,427.48	335.29	8.240		
14,000.00	7,065.23	7,101.77	7,098.23	201.24	246.20	-91.27	-1,091.40	-8,584.88	2,672.44	2,333.35	339.10	7.881		
14,100.00	7,064.16	7,102.84	7,097.16	204.05	246.24	-91.21	-1,091.40	-8,584.88	2,582.83	2,239.66	343.16	7.527		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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	7,063.09	7,103.91	7,096.09	206.85	246.27	-91.16	-1,091.40	-8,584.88	2,494.00	2,146.49	347.52	7.177	
14,300.00	7,062.02	7,104.98	7,095.02	209.66	246.31	-91.11	-1,091.40	-8,584.88	2,406.05	2,053.88	352.17	6.832	
14,400.00	7,060.95	7,106.05	7,093.95	212.46	246.35	-91.05	-1,091.40	-8,584.88	2,319.08	1,961.92	357.16	6.493	
14,500.00	7,059.88	7,107.12	7,092.88	215.27	246.39	-91.00	-1,091.40	-8,584.88	2,233.20	1,870.70	362.50	6.161	
14,600.00	7,058.81	7,108.19	7,091.81	218.08	246.42	-90.95	-1,091.40	-8,584.88	2,148.54	1,780.31	368.22	5.835	
14,700.00	7,057.74	7,109.26	7,090.74	220.89	246.46	-90.90	-1,091.40	-8,584.88	2,065.25	1,690.89	374.35	5.517	
14,800.00	7,056.67	7,089.67	7,089.67	223.70	245.78	-90.84	-1,091.40	-8,584.88	1,983.50	1,603.30	380.20	5.217	
14,900.00	7,055.60	7,088.60	7,088.60	226.51	245.74	-90.79	-1,091.40	-8,584.88	1,903.50	1,516.35	387.15	4.917	
15,000.00	7,054.53	7,087.53	7,087.53	229.32	245.70	-90.74	-1,091.40	-8,584.88	1,825.47	1,430.88	394.59	4.626	
15,100.00	7,053.46	7,086.46	7,086.46	232.14	245.67	-90.69	-1,091.40	-8,584.88	1,749.67	1,347.16	402.51	4.347	
15,200.00	7,052.39	7,085.39	7,085.39	234.95	245.63	-90.63	-1,091.40	-8,584.88	1,676.42	1,265.48	410.94	4.079	
15,300.00	7,051.32	7,084.32	7,084.32	237.76	245.59	-90.58	-1,091.40	-8,584.88	1,606.05	1,186.19	419.87	3.825	
15,400.00	7,050.25	7,083.25	7,083.25	240.58	245.55	-90.53	-1,091.40	-8,584.88	1,538.97	1,109.72	429.25	3.585	
15,500.00	7,049.18	7,082.18	7,082.18	243.39	245.52	-90.48	-1,091.40	-8,584.88	1,475.62	1,036.59	439.03	3.361	
15,600.00	7,048.11	7,081.11	7,081.11	246.21	245.48	-90.42	-1,091.40	-8,584.88	1,416.49	967.38	449.12	3.154	
15,703.32	7,047.00	7,080.00	7,080.00	249.12	245.44	-90.37	-1,091.40	-8,584.88	1,360.44	900.73	459.71	2.959	
15,703.90	7,046.99	7,079.99	7,079.99	249.13	245.44	-90.37	-1,091.40	-8,584.88	1,360.14	900.37	459.77	2.958 CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-103.70	-1,329.08	-5,450.58	5,610.29					
100.00	100.00	63.90	63.90	3.28	3.28	-103.70	-1,328.94	-5,450.85	5,610.66	5,604.09	6.57	854.254		
200.00	200.00	155.48	155.47	3.34	3.31	-103.69	-1,328.39	-5,451.89	5,611.60	5,604.95	6.65	843.958		
300.00	300.00	264.48	264.46	3.44	3.41	-103.69	-1,327.89	-5,452.82	5,612.31	5,605.46	6.85	818.987		
400.00	399.98	382.63	382.61	3.60	3.58	-170.33	-1,327.36	-5,453.68	5,614.65	5,607.47	7.18	782.043		
500.00	499.84	492.24	492.22	3.80	3.79	-170.31	-1,326.80	-5,454.12	5,620.07	5,612.48	7.59	740.209		
600.00	599.45	610.34	610.31	4.05	4.07	-170.29	-1,326.00	-5,454.38	5,628.72	5,620.61	8.11	694.038		
700.00	698.70	714.58	714.55	4.32	4.35	-170.26	-1,324.95	-5,454.44	5,640.55	5,631.88	8.66	651.042		
740.00	738.27	749.68	749.65	4.45	4.45	-170.25	-1,324.59	-5,454.46	5,646.24	5,637.36	8.88	635.482		
800.00	797.57	802.40	802.37	4.63	4.60	-170.26	-1,324.07	-5,454.55	5,655.25	5,646.03	9.22	613.223		
900.00	896.39	895.35	895.31	4.96	4.89	-170.27	-1,323.06	-5,454.83	5,670.37	5,660.54	9.83	576.949		
1,000.00	995.21	1,005.36	1,005.29	5.32	5.25	-170.27	-1,320.44	-5,455.47	5,685.45	5,674.92	10.53	539.966		
1,100.00	1,094.03	1,057.39	1,057.25	5.69	5.44	-170.26	-1,317.99	-5,456.26	5,700.86	5,689.79	11.07	514.981		
1,200.00	1,192.86	1,117.57	1,117.27	6.07	5.66	-170.23	-1,313.95	-5,457.94	5,717.02	5,705.36	11.66	490.204		
1,300.00	1,291.68	1,197.59	1,196.87	6.47	6.00	-170.17	-1,306.43	-5,461.04	5,733.64	5,721.27	12.37	463.457		
1,400.00	1,390.50	1,298.01	1,296.30	6.88	6.48	-170.06	-1,293.32	-5,465.97	5,750.42	5,737.18	13.24	434.325		
1,500.00	1,489.33	1,448.34	1,444.03	7.29	7.33	-169.82	-1,266.78	-5,474.19	5,766.69	5,752.20	14.49	397.986		
1,600.00	1,588.15	1,645.66	1,635.50	7.71	8.65	-169.39	-1,220.57	-5,485.19	5,781.96	5,765.74	16.22	356.434		
1,700.00	1,686.97	1,828.77	1,810.00	8.14	10.10	-168.89	-1,166.00	-5,494.41	5,795.15	5,777.06	18.09	320.316		
1,800.00	1,785.79	1,879.89	1,858.05	8.57	10.56	-168.73	-1,148.83	-5,497.35	5,808.57	5,789.61	18.95	306.475		
1,900.00	1,884.62	1,934.72	1,909.37	9.01	11.06	-168.55	-1,129.87	-5,501.03	5,822.83	5,802.96	19.87	293.092		
2,000.00	1,983.44	2,000.00	1,970.18	9.45	11.67	-168.34	-1,106.64	-5,506.00	5,837.87	5,816.97	20.89	279.410		
2,100.00	2,082.26	2,085.80	2,049.61	9.89	12.52	-168.04	-1,074.98	-5,513.02	5,853.40	5,831.25	22.16	264.174		
2,200.00	2,181.09	2,160.14	2,118.16	10.33	13.25	-167.78	-1,046.90	-5,519.27	5,869.22	5,845.90	23.31	251.753		
2,300.00	2,279.91	2,242.12	2,193.87	10.78	14.06	-167.49	-1,016.26	-5,526.40	5,885.54	5,861.00	24.54	239.881		
2,400.00	2,378.73	2,329.27	2,274.56	11.23	14.89	-167.19	-984.20	-5,533.88	5,902.09	5,876.30	25.79	228.858		
2,500.00	2,477.55	2,401.14	2,341.12	11.68	15.56	-166.95	-957.86	-5,540.24	5,919.09	5,892.20	26.88	220.167		
2,600.00	2,576.38	2,497.78	2,430.70	12.13	16.46	-166.63	-922.63	-5,548.90	5,936.41	5,908.20	28.21	210.452		
2,700.00	2,675.20	2,637.66	2,560.12	12.59	17.76	-166.15	-870.91	-5,560.70	5,953.28	5,923.34	29.95	198.805		
2,800.00	2,774.02	2,700.00	2,617.60	13.04	18.35	-165.94	-847.35	-5,565.96	5,970.37	5,939.42	30.95	192.897		
2,900.00	2,872.85	2,765.46	2,677.95	13.50	18.97	-165.72	-822.68	-5,571.79	5,988.09	5,956.10	31.99	187.203		
3,000.00	2,971.67	2,873.83	2,778.06	13.96	19.98	-165.35	-782.41	-5,581.87	6,006.43	5,973.00	33.43	179.662		
3,100.00	3,070.49	3,022.24	2,915.28	14.41	21.33	-164.86	-727.25	-5,594.29	6,024.03	5,988.80	35.22	171.020		
3,200.00	3,169.31	3,100.00	2,987.55	14.87	22.01	-164.61	-699.23	-5,600.38	6,041.52	6,005.20	36.32	166.335		
3,300.00	3,268.14	3,159.56	3,043.11	15.33	22.51	-164.43	-678.30	-5,605.21	6,059.58	6,022.35	37.24	162.737		
3,400.00	3,366.96	3,227.73	3,106.72	15.79	23.09	-164.22	-654.56	-5,611.24	6,078.44	6,040.21	38.23	159.005		
3,500.00	3,465.78	3,433.33	3,297.68	16.25	24.86	-163.57	-580.21	-5,627.91	6,096.65	6,056.18	40.46	150.666		
3,600.00	3,564.61	3,500.00	3,359.57	16.72	25.42	-163.36	-555.94	-5,632.80	6,114.35	6,072.90	41.45	147.511		
3,700.00	3,663.43	3,536.95	3,393.88	17.18	25.75	-163.24	-542.56	-5,635.76	6,132.87	6,090.70	42.18	145.413		
3,800.00	3,762.25	3,569.72	3,424.30	17.64	26.04	-163.14	-530.71	-5,638.72	6,152.47	6,109.62	42.86	143.559		
3,900.00	3,861.07	3,716.63	3,560.33	18.10	27.36	-162.68	-477.08	-5,652.91	6,173.08	6,128.46	44.62	138.351		
4,000.00	3,959.90	3,851.23	3,684.39	18.57	28.58	-162.24	-426.11	-5,664.23	6,192.29	6,146.00	46.29	133.780		
4,100.00	4,058.72	3,963.26	3,787.31	19.03	29.62	-161.88	-382.80	-5,673.24	6,211.31	6,163.56	47.75	130.079		
4,200.00	4,157.54	4,040.00	3,857.76	19.50	30.33	-161.63	-352.96	-5,679.27	6,230.35	6,181.47	48.88	127.471		
4,300.00	4,256.37	4,100.00	3,912.80	19.96	30.89	-161.43	-329.63	-5,684.31	6,250.04	6,200.21	49.84	125.404		
4,400.00	4,355.19	4,191.95	3,997.47	20.43	31.74	-161.14	-294.65	-5,692.22	6,270.17	6,219.07	51.10	122.715		
4,500.00	4,454.01	4,273.13	4,072.54	20.89	32.46	-160.89	-264.54	-5,699.20	6,290.51	6,238.29	52.23	120.447		
4,600.00	4,552.83	4,405.04	4,194.50	21.36	33.62	-160.48	-215.55	-5,710.38	6,310.95	6,257.12	53.83	117.245		
4,700.00	4,651.66	4,483.59	4,267.14	21.82	34.31	-160.24	-186.37	-5,716.83	6,331.26	6,276.33	54.92	115.278		
4,800.00	4,750.48	4,551.16	4,329.59	22.29	34.91	-160.04	-161.22	-5,722.55	6,351.97	6,296.05	55.92	113.591		
4,900.00	4,849.30	4,627.26	4,399.84	22.76	35.59	-159.81	-132.74	-5,729.33	6,373.23	6,316.23	57.00	111.819		
5,000.00	4,948.13	4,726.58	4,491.84	23.22	36.47	-159.51	-96.36	-5,738.06	6,394.58	6,336.30	58.28	109.722		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	4,800.00	4,560.04	23.69	37.10	-159.30	-69.97	-5,744.64	6,416.25	6,356.95	59.30	108.193		
5,200.00	5,145.77	4,895.05	4,648.12	24.16	37.93	-159.03	-35.33	-5,753.29	6,438.20	6,377.66	60.54	106.341		
5,300.00	5,244.59	5,024.44	4,767.51	24.62	39.09	-158.64	13.30	-5,764.50	6,459.82	6,397.69	62.13	103.973		
5,400.00	5,343.42	5,084.73	4,823.14	25.09	39.63	-158.46	35.92	-5,769.78	6,481.74	6,418.69	63.05	102.800		
5,500.00	5,442.24	5,178.48	4,909.80	25.56	40.46	-158.19	70.66	-5,778.27	6,504.09	6,439.80	64.28	101.176		
5,600.00	5,541.06	5,293.73	5,016.60	26.03	41.47	-157.87	112.78	-5,788.43	6,526.37	6,460.66	65.70	99.330		
5,700.00	5,639.89	5,363.45	5,081.16	26.50	42.08	-157.67	138.38	-5,794.55	6,548.76	6,482.06	66.70	98.184		
5,800.00	5,738.71	5,478.05	5,186.93	26.96	43.11	-157.34	181.28	-5,804.82	6,571.50	6,503.37	68.14	96.448		
5,900.00	5,837.53	5,563.23	5,265.54	27.43	43.86	-157.09	213.25	-5,812.14	6,594.03	6,524.75	69.28	95.183		
6,000.00	5,936.35	5,741.65	5,430.90	27.90	45.38	-156.60	278.65	-5,826.56	6,616.18	6,544.93	71.25	92.857		
6,100.00	6,035.18	5,896.35	5,575.78	28.37	46.57	-156.21	331.67	-5,837.91	6,637.92	6,565.03	72.89	91.070		
6,200.00	6,134.00	6,154.56	5,823.30	28.84	48.04	-155.72	403.60	-5,851.23	6,656.79	6,581.91	74.88	88.894		
6,300.00	6,232.82	6,223.31	5,890.12	29.31	48.36	-155.61	419.46	-5,854.50	6,675.76	6,600.15	75.61	88.290		
6,400.00	6,331.64	6,379.14	6,043.05	29.77	48.98	-155.45	448.46	-5,861.45	6,694.42	6,617.72	76.70	87.276		
6,477.15	6,407.89	6,456.10	6,118.97	30.14	49.25	-155.38	460.66	-5,864.55	6,708.47	6,631.16	77.31	86.772		
6,500.00	6,430.52	6,476.49	6,139.14	30.24	49.31	-149.16	463.54	-5,865.39	6,712.24	6,634.76	77.48	86.634		
6,550.00	6,480.31	6,519.70	6,181.95	30.46	49.45	-113.79	469.16	-5,867.21	6,717.69	6,639.87	77.82	86.318		
6,600.00	6,530.22	6,860.58	6,521.50	30.66	50.38	-45.41	496.75	-5,874.71	6,718.19	6,639.08	79.11	84.927		
6,650.00	6,579.93	6,908.74	6,569.62	30.85	50.50	-20.69	498.66	-5,874.77	6,713.68	6,634.27	79.41	84.547		
6,700.00	6,629.13	6,950.11	6,610.98	31.04	50.60	-12.24	499.90	-5,874.85	6,705.33	6,625.65	79.68	84.158		
6,750.00	6,677.53	6,990.83	6,651.68	31.23	50.69	-8.17	500.78	-5,875.00	6,693.20	6,613.27	79.93	83.741		
6,800.00	6,724.83	7,037.97	6,698.82	31.43	50.81	-5.77	501.50	-5,875.20	6,677.34	6,597.15	80.18	83.275		
6,850.00	6,770.73	7,085.87	6,746.71	31.63	50.92	-4.17	502.16	-5,875.40	6,657.80	6,577.38	80.43	82.780		
6,900.00	6,814.95	7,129.15	6,789.99	31.84	51.03	-3.00	502.71	-5,875.57	6,634.72	6,554.07	80.65	82.270		
6,950.00	6,857.22	7,169.35	6,830.18	32.06	51.13	-2.07	503.24	-5,875.74	6,608.25	6,527.41	80.84	81.745		
7,000.00	6,897.28	7,208.05	6,868.88	32.29	51.22	-1.28	503.77	-5,875.92	6,578.55	6,497.53	81.02	81.201		
7,050.00	6,934.88	7,246.61	6,907.44	32.54	51.31	-0.57	504.33	-5,876.10	6,545.79	6,464.62	81.18	80.634		
7,100.00	6,969.79	7,282.42	6,943.25	32.81	51.40	0.13	504.88	-5,876.26	6,510.18	6,428.86	81.32	80.054		
7,150.00	7,001.79	7,310.14	6,970.96	33.11	51.47	0.85	505.32	-5,876.38	6,471.94	6,390.51	81.43	79.477		
7,200.00	7,030.69	7,329.91	6,990.72	33.44	51.52	1.65	505.62	-5,876.50	6,431.33	6,349.82	81.51	78.905		
7,250.00	7,056.31	7,350.00	7,010.81	33.81	51.57	2.60	505.91	-5,876.64	6,388.61	6,307.03	81.58	78.315		
7,300.00	7,078.48	7,350.00	7,010.81	34.21	51.57	3.80	505.91	-5,876.64	6,344.04	6,262.46	81.58	77.765		
7,350.00	7,097.08	7,350.00	7,010.81	34.65	51.57	5.42	505.91	-5,876.64	6,297.90	6,216.33	81.58	77.203		
7,400.00	7,112.00	7,350.00	7,010.81	35.12	51.57	7.87	505.91	-5,876.64	6,250.46	6,168.89	81.57	76.628		
7,450.00	7,123.12	7,350.00	7,010.81	35.64	51.57	12.05	505.91	-5,876.64	6,201.97	6,120.41	81.56	76.042		
7,500.00	7,130.40	7,350.00	7,010.81	36.19	51.57	20.82	505.91	-5,876.64	6,152.72	6,071.17	81.55	75.446		
7,550.00	7,133.78	7,350.00	7,010.81	36.77	51.57	47.10	505.91	-5,876.64	6,102.99	6,021.45	81.55	74.841		
7,574.97	7,134.00	7,350.00	7,010.81	37.06	51.57	79.53	505.91	-5,876.64	6,078.07	5,996.52	81.54	74.537		
7,600.00	7,133.73	7,350.00	7,010.81	37.37	51.57	79.53	505.91	-5,876.64	6,053.08	5,971.54	81.54	74.231		
7,700.00	7,132.66	7,350.00	7,010.81	38.71	51.57	79.53	505.91	-5,876.64	5,953.24	5,871.70	81.54	73.008		
7,800.00	7,131.59	7,350.00	7,010.81	40.20	51.57	79.53	505.91	-5,876.64	5,853.41	5,771.87	81.54	71.783		
7,900.00	7,130.52	7,350.00	7,010.81	41.84	51.57	79.53	505.91	-5,876.64	5,753.59	5,672.04	81.55	70.557		
8,000.00	7,129.45	7,350.00	7,010.81	43.60	51.57	79.53	505.91	-5,876.64	5,653.77	5,572.22	81.55	69.329		
8,100.00	7,128.38	7,350.00	7,010.81	45.47	51.57	79.53	505.91	-5,876.64	5,553.95	5,472.40	81.56	68.099		
8,200.00	7,127.31	7,350.00	7,010.81	47.44	51.57	79.53	505.91	-5,876.64	5,454.15	5,372.58	81.57	66.867		
8,300.00	7,126.24	7,350.00	7,010.81	49.49	51.57	79.53	505.91	-5,876.64	5,354.35	5,272.77	81.58	65.633		
8,400.00	7,125.17	7,350.00	7,010.81	51.61	51.57	79.53	505.91	-5,876.64	5,254.56	5,172.96	81.60	64.398		
8,500.00	7,124.10	7,350.00	7,010.81	53.81	51.57	79.53	505.91	-5,876.64	5,154.77	5,073.16	81.61	63.160		
8,600.00	7,123.03	7,350.00	7,010.81	56.06	51.57	79.53	505.91	-5,876.64	5,055.00	4,973.36	81.64	61.921		
8,700.00	7,121.96	7,350.00	7,010.81	58.36	51.57	79.53	505.91	-5,876.64	4,955.23	4,873.57	81.66	60.680		
8,800.00	7,120.89	7,350.00	7,010.81	60.71	51.57	79.53	505.91	-5,876.64	4,855.48	4,773.79	81.69	59.438		
8,900.00	7,119.82	7,350.00	7,010.81	63.10	51.57	79.53	505.91	-5,876.64	4,755.73	4,674.01	81.72	58.193		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	7,350.00	7,010.81	65.53	51.57	79.53	505.91	-5,876.64	4,656.00	4,574.23	81.76	56.947		
9,100.00	7,117.68	7,350.00	7,010.81	67.98	51.57	79.53	505.91	-5,876.64	4,556.27	4,474.47	81.80	55.698		
9,200.00	7,116.61	7,350.00	7,010.81	70.47	51.57	79.53	505.91	-5,876.64	4,456.56	4,374.71	81.85	54.448		
9,300.00	7,115.54	7,350.00	7,010.81	72.98	51.57	79.53	505.91	-5,876.64	4,356.86	4,274.96	81.90	53.195		
9,400.00	7,114.47	7,350.00	7,010.81	75.52	51.57	79.53	505.91	-5,876.64	4,257.18	4,175.22	81.96	51.941		
9,500.00	7,113.40	7,350.00	7,010.81	78.08	51.57	79.53	505.91	-5,876.64	4,157.51	4,075.48	82.03	50.684		
9,600.00	7,112.33	7,350.00	7,010.81	80.65	51.57	79.53	505.91	-5,876.64	4,057.86	3,975.76	82.10	49.425		
9,700.00	7,111.26	7,350.00	7,010.81	83.25	51.57	79.53	505.91	-5,876.64	3,958.22	3,876.04	82.18	48.164		
9,800.00	7,110.19	7,350.00	7,010.81	85.86	51.57	79.53	505.91	-5,876.64	3,858.61	3,776.34	82.27	46.900		
9,900.00	7,109.12	7,350.00	7,010.81	88.48	51.57	79.53	505.91	-5,876.64	3,759.01	3,676.64	82.37	45.634		
10,000.00	7,108.04	7,350.00	7,010.81	91.12	51.57	79.53	505.91	-5,876.64	3,659.44	3,576.96	82.48	44.366		
10,100.00	7,106.97	7,350.00	7,010.81	93.77	51.57	79.53	505.91	-5,876.64	3,559.89	3,477.29	82.61	43.095		
10,200.00	7,105.90	7,350.00	7,010.81	96.43	51.57	79.53	505.91	-5,876.64	3,460.37	3,377.62	82.74	41.821		
10,300.00	7,104.83	7,350.00	7,010.81	99.10	51.57	79.53	505.91	-5,876.64	3,360.87	3,277.98	82.90	40.543		
10,400.00	7,103.76	7,350.00	7,010.81	101.78	51.57	79.53	505.91	-5,876.64	3,261.41	3,178.34	83.07	39.263		
10,500.00	7,102.69	7,350.00	7,010.81	104.47	51.57	79.53	505.91	-5,876.64	3,161.98	3,078.73	83.25	37.980		
10,600.00	7,101.62	7,350.00	7,010.81	107.16	51.57	79.53	505.91	-5,876.64	3,062.59	2,979.12	83.46	36.693		
10,700.00	7,100.55	7,350.00	7,010.81	109.87	51.57	79.53	505.91	-5,876.64	2,963.23	2,879.53	83.70	35.403		
10,800.00	7,099.48	7,350.00	7,010.81	112.58	51.57	79.53	505.91	-5,876.64	2,863.93	2,779.96	83.96	34.109		
10,900.00	7,098.41	7,350.00	7,010.81	115.29	51.57	79.53	505.91	-5,876.64	2,764.67	2,680.41	84.26	32.811		
11,000.00	7,097.34	7,350.00	7,010.81	118.02	51.57	79.53	505.91	-5,876.64	2,665.47	2,580.87	84.60	31.508		
11,100.00	7,096.27	7,350.00	7,010.81	120.74	51.57	79.53	505.91	-5,876.64	2,566.33	2,481.36	84.97	30.202		
11,200.00	7,095.20	7,350.00	7,010.81	123.48	51.57	79.53	505.91	-5,876.64	2,467.26	2,381.86	85.40	28.891		
11,300.00	7,094.13	7,350.00	7,010.81	126.22	51.57	79.53	505.91	-5,876.64	2,368.27	2,282.39	85.88	27.576		
11,400.00	7,093.06	7,350.00	7,010.81	128.96	51.57	79.53	505.91	-5,876.64	2,269.36	2,182.93	86.43	26.257		
11,500.00	7,091.99	7,350.00	7,010.81	131.71	51.57	79.53	505.91	-5,876.64	2,170.56	2,083.50	87.06	24.933		
11,600.00	7,090.92	7,350.00	7,010.81	134.46	51.57	79.53	505.91	-5,876.64	2,071.87	1,984.10	87.77	23.605		
11,700.00	7,089.85	7,350.00	7,010.81	137.21	51.57	79.53	505.91	-5,876.64	1,973.32	1,884.72	88.60	22.273		
11,800.00	7,088.78	7,350.00	7,010.81	139.97	51.57	79.53	505.91	-5,876.64	1,874.91	1,785.36	89.55	20.937		
11,900.00	7,087.71	7,350.00	7,010.81	142.73	51.57	79.53	505.91	-5,876.64	1,776.69	1,686.04	90.65	19.599		
12,000.00	7,086.64	7,350.00	7,010.81	145.50	51.57	79.53	505.91	-5,876.64	1,678.67	1,586.74	91.93	18.260		
12,100.00	7,085.57	7,350.00	7,010.81	148.26	51.57	79.53	505.91	-5,876.64	1,580.90	1,487.48	93.43	16.921		
12,200.00	7,084.50	7,350.00	7,010.81	151.03	51.57	79.53	505.91	-5,876.64	1,483.44	1,388.25	95.19	15.584		
12,300.00	7,083.43	7,350.00	7,010.81	153.81	51.57	79.53	505.91	-5,876.64	1,386.33	1,289.06	97.26	14.253		
12,400.00	7,082.36	7,350.00	7,010.81	156.58	51.57	79.53	505.91	-5,876.64	1,289.66	1,189.93	99.73	12.931		
12,500.00	7,081.29	7,350.00	7,010.81	159.36	51.57	79.53	505.91	-5,876.64	1,193.54	1,090.86	102.68	11.623		
12,600.00	7,080.22	7,350.00	7,010.81	162.14	51.57	79.53	505.91	-5,876.64	1,098.12	991.88	106.24	10.336		
12,700.00	7,079.15	7,350.00	7,010.81	164.92	51.57	79.53	505.91	-5,876.64	1,003.59	893.03	110.56	9.077		
12,800.00	7,078.08	7,350.00	7,010.81	167.71	51.57	79.53	505.91	-5,876.64	910.23	794.38	115.84	7.857		
12,900.00	7,077.01	7,350.00	7,010.81	170.49	51.57	79.53	505.91	-5,876.64	818.43	696.06	122.37	6.688		
13,000.00	7,075.93	7,350.00	7,010.81	173.28	51.57	79.53	505.91	-5,876.64	728.80	598.31	130.49	5.585		
13,100.00	7,074.86	7,350.00	7,010.81	176.07	51.57	79.53	505.91	-5,876.64	642.24	501.58	140.66	4.566		
13,200.00	7,073.79	7,350.00	7,010.81	178.86	51.57	79.53	505.91	-5,876.64	560.18	406.80	153.37	3.652		
13,300.00	7,072.72	7,350.00	7,010.81	181.65	51.57	79.53	505.91	-5,876.64	484.89	315.87	169.02	2.869		
13,400.00	7,071.65	7,350.00	7,010.81	184.45	51.57	79.53	505.91	-5,876.64	420.05	232.73	187.32	2.242		
13,500.00	7,070.58	7,350.00	7,010.81	187.25	51.57	79.53	505.91	-5,876.64	371.16	164.98	206.18	1.800		
13,600.00	7,069.51	7,350.00	7,010.81	190.04	51.57	79.53	505.91	-5,876.64	345.08	124.35	220.73	1.563		
13,643.39	7,069.05	7,350.00	7,010.81	191.26	51.57	79.53	505.91	-5,876.64	342.35	118.24	224.10	1.528 CC, ES, SF		
13,700.00	7,068.44	7,350.00	7,010.81	192.84	51.57	79.53	505.91	-5,876.64	346.99	122.00	224.99	1.542		
13,800.00	7,067.37	7,350.00	7,010.81	195.64	51.57	79.53	505.91	-5,876.64	376.47	159.00	217.47	1.731		
13,900.00	7,066.30	7,350.00	7,010.81	198.44	51.57	79.53	505.91	-5,876.64	427.84	224.83	203.01	2.108		
14,000.00	7,065.23	7,350.00	7,010.81	201.24	51.57	79.53	505.91	-5,876.64	494.34	307.13	187.21	2.641		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	7,064.16	7,350.00	7,010.81	204.05	51.57	79.53	505.91	-5,876.64	570.69	397.78	172.92	3.300	
14,200.00	7,063.09	7,350.00	7,010.81	206.85	51.57	79.53	505.91	-5,876.64	653.46	492.58	160.89	4.062	
14,300.00	7,062.02	7,350.00	7,010.81	209.66	51.57	79.53	505.91	-5,876.64	740.50	589.49	151.01	4.904	
14,400.00	7,060.95	7,350.00	7,010.81	212.46	51.57	79.53	505.91	-5,876.64	830.46	687.51	142.94	5.810	
14,500.00	7,059.88	7,350.00	7,010.81	215.27	51.57	79.53	505.91	-5,876.64	922.48	786.16	136.32	6.767	
14,600.00	7,058.81	7,350.00	7,010.81	218.08	51.57	79.53	505.91	-5,876.64	1,016.02	885.17	130.85	7.765	
14,700.00	7,057.74	7,350.00	7,010.81	220.89	51.57	79.53	505.91	-5,876.64	1,110.69	984.40	126.29	8.795	
14,800.00	7,056.67	7,350.00	7,010.81	223.70	51.57	79.53	505.91	-5,876.64	1,206.21	1,083.76	122.45	9.851	
14,900.00	7,055.60	7,350.00	7,010.81	226.51	51.57	79.53	505.91	-5,876.64	1,302.41	1,183.22	119.19	10.927	
15,000.00	7,054.53	7,350.00	7,010.81	229.32	51.57	79.53	505.91	-5,876.64	1,399.14	1,282.73	116.40	12.020	
15,100.00	7,053.46	7,350.00	7,010.81	232.14	51.57	79.53	505.91	-5,876.64	1,496.30	1,382.29	114.01	13.125	
15,200.00	7,052.39	7,350.00	7,010.81	234.95	51.57	79.53	505.91	-5,876.64	1,593.81	1,481.88	111.93	14.240	
15,300.00	7,051.32	7,350.00	7,010.81	237.76	51.57	79.53	505.91	-5,876.64	1,691.61	1,581.50	110.11	15.363	
15,400.00	7,050.25	7,350.00	7,010.81	240.58	51.57	79.53	505.91	-5,876.64	1,789.66	1,681.14	108.52	16.491	
15,500.00	7,049.18	7,350.00	7,010.81	243.39	51.57	79.53	505.91	-5,876.64	1,887.91	1,780.79	107.12	17.624	
15,600.00	7,048.11	7,350.00	7,010.81	246.21	51.57	79.53	505.91	-5,876.64	1,986.33	1,880.45	105.88	18.760	
15,703.32	7,047.00	7,350.00	7,010.81	249.12	51.57	79.53	505.91	-5,876.64	2,088.18	1,983.44	104.74	19.936	
15,703.90	7,046.99	7,350.00	7,010.81	249.13	51.57	79.53	505.91	-5,876.64	2,088.76	1,984.02	104.74	19.943	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-103.78	-1,336.37	-5,450.58	5,612.02					
100.00	100.00	53.41	53.41	3.28	3.28	-103.77	-1,336.19	-5,450.87	5,612.49	5,605.92	6.57	854.613		
200.00	200.00	109.04	109.03	3.34	3.29	-103.77	-1,335.65	-5,451.78	5,613.82	5,607.19	6.63	846.784		
300.00	300.00	207.07	207.03	3.44	3.36	-103.75	-1,334.19	-5,453.87	5,615.53	5,608.73	6.80	825.753		
400.00	399.98	311.37	311.29	3.60	3.48	-170.37	-1,332.74	-5,456.06	5,618.96	5,611.88	7.08	793.752		
500.00	499.84	442.27	442.16	3.80	3.71	-170.34	-1,330.98	-5,458.28	5,625.43	5,617.93	7.50	749.728		
600.00	599.45	543.97	543.84	4.05	3.93	-170.30	-1,329.20	-5,459.79	5,635.05	5,627.08	7.97	707.330		
700.00	698.70	635.93	635.76	4.32	4.16	-170.25	-1,327.15	-5,461.36	5,648.19	5,639.71	8.47	666.574		
740.00	738.27	673.88	673.70	4.45	4.26	-170.23	-1,326.32	-5,462.03	5,654.42	5,645.72	8.70	650.133		
800.00	797.57	747.29	747.07	4.63	4.47	-170.23	-1,324.76	-5,463.28	5,664.15	5,655.07	9.09	623.326		
900.00	896.39	839.34	839.08	4.96	4.75	-170.22	-1,322.38	-5,464.65	5,680.08	5,670.39	9.68	586.507		
1,000.00	995.21	901.52	901.22	5.32	4.95	-170.22	-1,320.37	-5,466.04	5,696.55	5,686.32	10.22	557.337		
1,100.00	1,094.03	1,016.43	1,016.02	5.69	5.34	-170.20	-1,316.48	-5,468.85	5,713.18	5,702.22	10.96	521.209		
1,200.00	1,192.86	1,105.34	1,104.86	6.07	5.65	-170.19	-1,313.60	-5,470.99	5,729.81	5,718.17	11.64	492.390		
1,300.00	1,291.68	1,214.26	1,213.70	6.47	6.03	-170.18	-1,310.17	-5,473.45	5,746.32	5,733.91	12.40	463.250		
1,400.00	1,390.50	1,283.51	1,282.90	6.88	6.29	-170.18	-1,308.18	-5,475.13	5,763.06	5,750.02	13.04	441.920		
1,500.00	1,489.33	1,392.69	1,392.00	7.29	6.69	-170.17	-1,305.28	-5,478.00	5,780.04	5,766.20	13.84	417.606		
1,600.00	1,588.15	1,496.72	1,495.97	7.71	7.09	-170.16	-1,302.47	-5,480.49	5,796.80	5,782.16	14.63	396.096		
1,700.00	1,686.97	1,623.59	1,622.77	8.14	7.57	-170.16	-1,299.12	-5,483.11	5,813.23	5,797.70	15.53	374.308		
1,800.00	1,785.79	1,700.00	1,699.14	8.57	7.87	-170.16	-1,297.19	-5,484.48	5,829.49	5,813.26	16.23	359.083		
1,900.00	1,884.62	1,753.18	1,752.29	9.01	8.08	-170.15	-1,295.84	-5,485.76	5,846.38	5,829.53	16.85	346.974		
2,000.00	1,983.44	1,800.00	1,799.06	9.45	8.26	-170.15	-1,294.61	-5,487.44	5,864.23	5,846.79	17.44	336.235		
2,100.00	2,082.26	1,830.77	1,829.78	9.89	8.39	-170.15	-1,293.62	-5,488.90	5,883.07	5,865.10	17.97	327.391		
2,200.00	2,181.09	1,865.12	1,864.04	10.33	8.53	-170.13	-1,292.15	-5,490.99	5,902.98	5,884.47	18.51	318.857		
2,300.00	2,279.91	1,900.00	1,898.77	10.78	8.68	-170.12	-1,290.26	-5,493.59	5,923.94	5,904.88	19.06	310.847		
2,400.00	2,378.73	2,091.90	2,089.73	11.23	9.51	-170.02	-1,278.28	-5,508.06	5,944.94	5,924.62	20.33	292.453		
2,500.00	2,477.55	2,166.98	2,164.38	11.68	9.85	-169.97	-1,272.14	-5,513.42	5,965.01	5,943.93	21.08	283.011		
2,600.00	2,576.38	2,225.08	2,222.07	12.13	10.11	-169.93	-1,267.11	-5,517.95	5,985.60	5,963.86	21.75	275.223		
2,700.00	2,675.20	2,273.27	2,269.91	12.59	10.34	-169.89	-1,262.96	-5,522.09	6,006.97	5,984.60	22.37	268.501		
2,800.00	2,774.02	2,327.23	2,323.43	13.04	10.59	-169.85	-1,258.34	-5,527.19	6,029.12	6,006.09	23.03	261.840		
2,900.00	2,872.85	2,400.00	2,395.48	13.50	10.94	-169.79	-1,251.45	-5,534.70	6,051.91	6,028.13	23.78	254.528		
3,000.00	2,971.67	2,552.78	2,546.59	13.96	11.69	-169.64	-1,235.07	-5,550.11	6,074.20	6,049.25	24.96	243.377		
3,100.00	3,070.49	2,631.53	2,624.26	14.41	12.09	-169.54	-1,224.93	-5,558.22	6,096.32	6,070.55	25.77	236.603		
3,200.00	3,169.31	2,700.00	2,691.74	14.87	12.44	-169.46	-1,215.95	-5,565.62	6,118.88	6,092.35	26.52	230.687		
3,300.00	3,268.14	2,754.89	2,745.82	15.33	12.72	-169.40	-1,208.91	-5,571.83	6,142.01	6,114.81	27.21	225.765		
3,400.00	3,366.96	2,812.67	2,802.73	15.79	13.03	-169.33	-1,201.73	-5,578.72	6,165.80	6,137.90	27.90	220.989		
3,500.00	3,465.78	2,877.84	2,866.90	16.25	13.37	-169.26	-1,193.68	-5,586.83	6,190.14	6,161.51	28.64	216.159		
3,600.00	3,564.61	2,933.64	2,921.79	16.72	13.67	-169.19	-1,186.76	-5,594.09	6,215.04	6,185.72	29.32	211.966		
3,700.00	3,663.43	3,000.00	2,986.99	17.18	14.03	-169.12	-1,178.54	-5,603.28	6,240.68	6,210.62	30.07	207.567		
3,800.00	3,762.25	3,037.75	3,024.05	17.64	14.24	-169.07	-1,173.91	-5,608.77	6,266.95	6,236.31	30.64	204.509		
3,900.00	3,861.07	3,100.00	3,085.13	18.10	14.59	-169.00	-1,166.41	-5,618.18	6,293.92	6,262.56	31.36	200.670		
4,000.00	3,959.90	3,225.38	3,208.04	18.57	15.31	-168.85	-1,150.53	-5,637.18	6,320.87	6,288.39	32.47	194.648		
4,100.00	4,058.72	3,306.75	3,287.74	19.03	15.78	-168.75	-1,139.71	-5,649.53	6,347.75	6,314.42	33.32	190.494		
4,200.00	4,157.54	3,475.45	3,452.91	19.50	16.76	-168.53	-1,116.31	-5,674.63	6,374.32	6,339.60	34.72	183.601		
4,300.00	4,256.37	3,574.62	3,550.20	19.96	17.32	-168.41	-1,103.03	-5,688.51	6,400.11	6,364.43	35.68	179.395		
4,400.00	4,355.19	3,719.34	3,692.03	20.43	18.15	-168.23	-1,082.40	-5,708.59	6,425.67	6,388.75	36.92	174.035		
4,500.00	4,454.01	3,800.00	3,771.01	20.89	18.61	-168.12	-1,070.37	-5,719.62	6,450.94	6,413.16	37.78	170.760		
4,600.00	4,552.83	3,869.72	3,839.26	21.36	19.02	-168.03	-1,059.93	-5,729.38	6,476.54	6,437.97	38.57	167.926		
4,700.00	4,651.66	3,975.82	3,943.12	21.82	19.63	-167.89	-1,044.43	-5,744.47	6,502.46	6,462.87	39.58	164.278		
4,800.00	4,750.48	4,050.20	4,016.06	22.29	20.06	-167.80	-1,034.16	-5,754.82	6,528.26	6,487.86	40.39	161.615		
4,900.00	4,849.30	4,100.00	4,064.82	22.76	20.34	-167.74	-1,027.04	-5,762.05	6,554.60	6,513.55	41.05	159.678		
5,000.00	4,948.13	4,164.70	4,128.15	23.22	20.72	-167.66	-1,018.05	-5,771.77	6,581.50	6,539.70	41.80	157.463		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	4,236.92	4,198.90	23.69	21.15	-167.58	-1,008.88	-5,782.94	6,608.98	6,566.39	42.59	155.185		
5,200.00	5,145.77	4,332.71	4,292.84	24.16	21.70	-167.49	-997.31	-5,797.68	6,636.53	6,593.01	43.52	152.479		
5,300.00	5,244.59	4,456.17	4,413.68	24.62	22.43	-167.34	-980.92	-5,816.94	6,664.16	6,619.51	44.65	149.261		
5,400.00	5,343.42	4,551.82	4,507.38	25.09	23.00	-167.24	-968.10	-5,831.29	6,691.18	6,645.58	45.59	146.753		
5,500.00	5,442.24	4,700.03	4,652.54	25.56	23.87	-167.07	-948.34	-5,853.74	6,718.53	6,671.65	46.88	143.320		
5,600.00	5,541.06	4,850.06	4,799.47	26.03	24.74	-166.89	-926.56	-5,874.91	6,744.51	6,696.33	48.18	139.997		
5,700.00	5,639.89	4,944.18	4,891.73	26.50	25.27	-166.79	-913.26	-5,887.82	6,770.25	6,721.14	49.11	137.857		
5,800.00	5,738.71	5,021.07	4,967.17	26.96	25.71	-166.70	-902.77	-5,898.42	6,796.16	6,746.23	49.93	136.114		
5,900.00	5,837.53	5,746.44	5,686.65	27.43	28.94	-166.33	-844.14	-5,959.54	6,818.24	6,764.21	54.03	126.188		
6,000.00	5,936.35	5,897.58	5,837.72	27.90	29.49	-166.35	-841.16	-5,963.07	6,835.10	6,780.02	55.08	124.098		
6,100.00	6,035.18	6,047.39	5,987.51	28.37	30.03	-166.38	-839.43	-5,964.84	6,850.85	6,794.74	56.11	122.089		
6,200.00	6,134.00	6,158.42	6,098.53	28.84	30.43	-166.40	-838.08	-5,965.93	6,866.49	6,809.50	56.99	120.487		
6,300.00	6,232.82	6,269.59	6,209.68	29.31	30.84	-166.42	-836.41	-5,966.69	6,881.77	6,823.91	57.87	118.925		
6,400.00	6,331.64	6,353.68	6,293.76	29.77	31.15	-166.43	-835.12	-5,967.32	6,897.12	6,838.49	58.63	117.632		
6,477.15	6,407.89	6,417.16	6,357.23	30.14	31.38	-166.44	-834.17	-5,967.95	6,909.15	6,849.93	59.22	116.671		
6,500.00	6,430.52	6,439.21	6,379.28	30.24	31.46	-160.17	-833.86	-5,968.18	6,912.33	6,852.92	59.41	116.359		
6,550.00	6,480.31	6,487.76	6,427.82	30.46	31.64	-124.77	-833.25	-5,968.69	6,916.47	6,856.67	59.81	115.646		
6,600.00	6,530.22	6,544.82	6,484.88	30.66	31.85	-56.48	-832.67	-5,969.24	6,916.73	6,856.49	60.23	114.837		
6,650.00	6,579.93	6,604.47	6,544.52	30.85	32.07	-31.85	-832.26	-5,969.70	6,913.02	6,852.38	60.65	113.985		
6,700.00	6,629.13	6,644.98	6,585.03	31.04	32.22	-23.56	-831.98	-5,970.02	6,905.46	6,844.49	60.97	113.257		
6,750.00	6,677.53	6,686.18	6,626.22	31.23	32.38	-19.72	-831.59	-5,970.40	6,894.14	6,832.86	61.28	112.494		
6,800.00	6,724.83	6,737.88	6,677.92	31.43	32.57	-17.65	-831.00	-5,970.92	6,879.10	6,817.47	61.63	111.623		
6,850.00	6,770.73	6,793.82	6,733.86	31.63	32.78	-16.48	-830.31	-5,971.43	6,860.35	6,798.38	61.98	110.694		
6,900.00	6,814.95	6,833.13	6,773.15	31.84	32.93	-15.84	-829.76	-5,971.77	6,838.05	6,775.81	62.24	109.867		
6,950.00	6,857.22	6,868.99	6,809.01	32.06	33.06	-15.57	-829.15	-5,972.14	6,812.40	6,749.93	62.47	109.043		
7,000.00	6,897.28	6,903.39	6,843.40	32.29	33.19	-15.62	-828.46	-5,972.55	6,783.55	6,720.86	62.69	108.207		
7,050.00	6,934.88	6,938.64	6,878.64	32.54	33.32	-15.94	-827.71	-5,973.00	6,751.67	6,688.77	62.90	107.343		
7,100.00	6,969.79	6,971.45	6,911.44	32.81	33.45	-16.54	-827.00	-5,973.44	6,716.94	6,653.85	63.08	106.476		
7,150.00	7,001.79	7,001.62	6,941.60	33.11	33.56	-17.47	-826.35	-5,973.84	6,679.57	6,616.32	63.25	105.607		
7,200.00	7,030.69	7,021.73	6,961.70	33.44	33.64	-18.75	-825.93	-5,974.13	6,639.81	6,576.44	63.36	104.789		
7,250.00	7,056.31	7,040.04	6,980.00	33.81	33.71	-20.55	-825.57	-5,974.42	6,597.91	6,534.44	63.46	103.964		
7,300.00	7,078.48	7,056.03	6,995.99	34.21	33.77	-23.05	-825.26	-5,974.68	6,554.11	6,490.56	63.55	103.136		
7,350.00	7,097.08	7,069.59	7,009.55	34.65	33.82	-26.62	-825.01	-5,974.92	6,508.68	6,445.06	63.62	102.307		
7,400.00	7,112.00	7,080.63	7,020.59	35.12	33.86	-31.88	-824.82	-5,975.12	6,461.88	6,398.21	63.68	101.478		
7,450.00	7,123.12	7,089.07	7,029.02	35.64	33.89	-40.03	-824.67	-5,975.27	6,414.01	6,350.28	63.73	100.649		
7,500.00	7,130.40	7,100.00	7,039.95	36.19	33.93	-53.47	-824.49	-5,975.48	6,365.34	6,301.55	63.79	99.788		
7,550.00	7,133.78	7,100.00	7,039.95	36.77	33.93	-74.66	-824.49	-5,975.48	6,316.17	6,252.36	63.81	98.988		
7,574.97	7,134.00	7,100.00	7,039.95	37.06	33.93	-88.17	-824.49	-5,975.48	6,291.52	6,227.70	63.82	98.582		
7,600.00	7,133.73	7,100.00	7,039.95	37.37	33.93	-88.17	-824.49	-5,975.48	6,266.81	6,202.97	63.83	98.175		
7,700.00	7,132.66	7,100.00	7,039.95	38.71	33.93	-88.17	-824.49	-5,975.48	6,168.08	6,104.19	63.89	96.540		
7,800.00	7,131.59	7,100.00	7,039.95	40.20	33.93	-88.17	-824.49	-5,975.48	6,069.40	6,005.44	63.96	94.892		
7,900.00	7,130.52	7,100.00	7,039.95	41.84	33.93	-88.17	-824.49	-5,975.48	5,970.76	5,906.72	64.04	93.230		
8,000.00	7,129.45	7,100.94	7,040.89	43.60	33.94	-88.23	-824.48	-5,975.50	5,872.17	5,808.03	64.14	91.549		
8,100.00	7,128.38	7,101.62	7,041.57	45.47	33.94	-88.27	-824.47	-5,975.51	5,773.63	5,709.37	64.25	89.855		
8,200.00	7,127.31	7,102.30	7,042.25	47.44	33.94	-88.31	-824.45	-5,975.53	5,675.13	5,610.75	64.38	88.148		
8,300.00	7,126.24	7,102.98	7,042.93	49.49	33.94	-88.35	-824.44	-5,975.54	5,576.69	5,512.17	64.53	86.426		
8,400.00	7,125.17	7,103.67	7,043.62	51.61	33.95	-88.39	-824.43	-5,975.55	5,478.31	5,413.62	64.69	84.690		
8,500.00	7,124.10	7,104.36	7,044.31	53.81	33.95	-88.43	-824.42	-5,975.57	5,379.99	5,315.12	64.87	82.939		
8,600.00	7,123.03	7,105.06	7,045.01	56.06	33.95	-88.47	-824.41	-5,975.58	5,281.73	5,216.66	65.07	81.173		
8,700.00	7,121.96	7,105.76	7,045.70	58.36	33.96	-88.51	-824.40	-5,975.59	5,183.53	5,118.24	65.29	79.392		
8,800.00	7,120.89	7,106.46	7,046.41	60.71	33.96	-88.55	-824.39	-5,975.61	5,085.41	5,019.87	65.54	77.596		
8,900.00	7,119.82	7,107.17	7,047.12	63.10	33.96	-88.59	-824.38	-5,975.62	4,987.36	4,921.55	65.81	75.786		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	7,118.75	7,107.88	7,047.83	65.53	33.96	-88.63	-824.36	-5,975.64	4,889.39	4,823.28	66.11	73.960		
9,100.00	7,117.68	7,108.60	7,048.54	67.98	33.97	-88.67	-824.35	-5,975.65	4,791.50	4,725.06	66.44	72.121		
9,200.00	7,116.61	7,109.32	7,049.26	70.47	33.97	-88.71	-824.34	-5,975.66	4,693.70	4,626.90	66.80	70.267		
9,300.00	7,115.54	7,110.04	7,049.99	72.98	33.97	-88.75	-824.33	-5,975.68	4,596.00	4,528.80	67.19	68.399		
9,400.00	7,114.47	7,110.77	7,050.71	75.52	33.97	-88.80	-824.32	-5,975.69	4,498.39	4,430.77	67.63	66.518		
9,500.00	7,113.40	7,111.50	7,051.45	78.08	33.98	-88.84	-824.30	-5,975.71	4,400.90	4,332.80	68.10	64.624		
9,600.00	7,112.33	7,112.24	7,052.18	80.65	33.98	-88.88	-824.29	-5,975.72	4,303.52	4,234.90	68.62	62.719		
9,700.00	7,111.26	7,112.98	7,052.92	83.25	33.98	-88.92	-824.28	-5,975.74	4,206.26	4,137.08	69.18	60.803		
9,800.00	7,110.19	7,113.73	7,053.67	85.86	33.99	-88.97	-824.27	-5,975.75	4,109.13	4,039.34	69.79	58.878		
9,900.00	7,109.12	7,114.48	7,054.42	88.48	33.99	-89.01	-824.26	-5,975.77	4,012.15	3,941.69	70.46	56.944		
10,000.00	7,108.04	7,115.23	7,055.17	91.12	33.99	-89.05	-824.24	-5,975.78	3,915.31	3,844.13	71.18	55.003		
10,100.00	7,106.97	7,115.99	7,055.93	93.77	33.99	-89.10	-824.23	-5,975.80	3,818.64	3,746.67	71.97	53.057		
10,200.00	7,105.90	7,116.75	7,056.70	96.43	34.00	-89.14	-824.22	-5,975.81	3,722.15	3,649.32	72.83	51.108		
10,300.00	7,104.83	7,117.52	7,057.46	99.10	34.00	-89.19	-824.21	-5,975.83	3,625.84	3,552.08	73.76	49.158		
10,400.00	7,103.76	7,118.30	7,058.24	101.78	34.00	-89.23	-824.20	-5,975.84	3,529.74	3,454.97	74.77	47.208		
10,500.00	7,102.69	7,119.07	7,059.01	104.47	34.01	-89.28	-824.18	-5,975.86	3,433.86	3,358.00	75.87	45.262		
10,600.00	7,101.62	7,119.86	7,059.80	107.16	34.01	-89.32	-824.17	-5,975.87	3,338.23	3,261.17	77.06	43.322		
10,700.00	7,100.55	7,120.64	7,060.58	109.87	34.01	-89.37	-824.16	-5,975.89	3,242.85	3,164.51	78.35	41.391		
10,800.00	7,099.48	7,121.43	7,061.38	112.58	34.01	-89.41	-824.15	-5,975.91	3,147.77	3,068.02	79.75	39.472		
10,900.00	7,098.41	7,122.23	7,062.17	115.29	34.02	-89.46	-824.13	-5,975.92	3,053.00	2,971.73	81.27	37.568		
11,000.00	7,097.34	7,123.03	7,062.97	118.02	34.02	-89.51	-824.12	-5,975.94	2,958.57	2,875.65	82.91	35.682		
11,100.00	7,096.27	7,123.84	7,063.78	120.74	34.02	-89.55	-824.11	-5,975.95	2,864.52	2,779.81	84.70	33.818		
11,200.00	7,095.20	7,124.65	7,064.59	123.48	34.03	-89.60	-824.09	-5,975.97	2,770.88	2,684.24	86.65	31.980		
11,300.00	7,094.13	7,125.47	7,065.41	126.22	34.03	-89.65	-824.08	-5,975.99	2,677.71	2,588.96	88.75	30.170		
11,400.00	7,093.06	7,126.29	7,066.23	128.96	34.03	-89.69	-824.07	-5,976.00	2,585.05	2,494.00	91.05	28.393		
11,500.00	7,091.99	7,127.12	7,067.05	131.71	34.04	-89.74	-824.05	-5,976.02	2,492.95	2,399.42	93.53	26.653		
11,600.00	7,090.92	7,127.95	7,067.89	134.46	34.04	-89.79	-824.04	-5,976.04	2,401.48	2,305.24	96.24	24.953		
11,700.00	7,089.85	7,128.78	7,068.72	137.21	34.04	-89.84	-824.03	-5,976.06	2,310.73	2,211.54	99.19	23.297		
11,800.00	7,088.78	7,129.63	7,069.56	139.97	34.05	-89.89	-824.02	-5,976.07	2,220.76	2,118.37	102.39	21.689		
11,900.00	7,087.71	7,130.47	7,070.41	142.73	34.05	-89.94	-824.00	-5,976.09	2,131.69	2,025.81	105.88	20.132		
12,000.00	7,086.64	7,131.33	7,071.26	145.50	34.05	-89.99	-823.99	-5,976.11	2,043.63	1,933.94	109.69	18.631		
12,100.00	7,085.57	7,132.19	7,072.12	148.26	34.06	-90.04	-823.97	-5,976.12	1,956.72	1,842.89	113.83	17.189		
12,200.00	7,084.50	7,133.05	7,072.99	151.03	34.06	-90.09	-823.96	-5,976.14	1,871.12	1,752.76	118.35	15.810		
12,300.00	7,083.43	7,133.92	7,073.86	153.81	34.06	-90.14	-823.95	-5,976.16	1,787.01	1,663.73	123.28	14.496		
12,400.00	7,082.36	7,134.79	7,074.73	156.58	34.07	-90.19	-823.93	-5,976.18	1,704.62	1,575.98	128.64	13.251		
12,500.00	7,081.29	7,135.67	7,075.61	159.36	34.07	-90.24	-823.92	-5,976.20	1,624.20	1,489.73	134.47	12.079		
12,600.00	7,080.22	7,136.56	7,076.50	162.14	34.07	-90.29	-823.91	-5,976.22	1,546.07	1,405.28	140.79	10.981		
12,700.00	7,079.15	7,137.45	7,077.39	164.92	34.08	-90.34	-823.89	-5,976.23	1,470.60	1,322.97	147.63	9.961		
12,800.00	7,078.08	7,138.35	7,078.29	167.71	34.08	-90.39	-823.88	-5,976.25	1,398.20	1,243.22	154.99	9.021		
12,900.00	7,077.01	7,139.25	7,079.19	170.49	34.08	-90.45	-823.86	-5,976.27	1,329.39	1,166.55	162.84	8.164		
13,000.00	7,075.93	7,140.16	7,080.10	173.28	34.09	-90.50	-823.85	-5,976.29	1,264.75	1,093.61	171.14	7.390		
13,100.00	7,074.86	7,141.08	7,081.01	176.07	34.09	-90.55	-823.84	-5,976.31	1,204.94	1,025.17	179.78	6.702		
13,200.00	7,073.79	7,142.00	7,081.93	178.86	34.09	-90.60	-823.82	-5,976.33	1,150.74	962.14	188.60	6.102		
13,300.00	7,072.72	7,142.93	7,082.86	181.65	34.10	-90.66	-823.81	-5,976.35	1,102.95	905.58	197.37	5.588		
13,400.00	7,071.65	7,143.86	7,083.80	184.45	34.10	-90.71	-823.79	-5,976.37	1,062.45	856.68	205.77	5.163		
13,500.00	7,070.58	7,144.80	7,084.74	187.25	34.10	-90.77	-823.78	-5,976.39	1,030.09	816.66	213.44	4.826		
13,600.00	7,069.51	7,145.75	7,085.68	190.04	34.11	-90.82	-823.76	-5,976.41	1,006.67	786.71	219.96	4.577		
13,700.00	7,068.44	7,146.70	7,086.63	192.84	34.11	-90.88	-823.75	-5,976.43	982.82	767.85	224.97	4.413		
13,788.54	7,067.49	7,147.55	7,087.48	195.32	34.11	-90.93	-823.73	-5,976.44	988.86	760.95	227.91	4.339 CC		
13,800.00	7,067.37	7,147.66	7,087.59	195.64	34.11	-90.93	-823.73	-5,976.45	988.93	760.75	228.18	4.334 ES, SF		
13,900.00	7,066.30	7,148.63	7,088.56	198.44	34.12	-90.99	-823.72	-5,976.47	995.12	765.67	229.45	4.337		
14,000.00	7,065.23	7,149.60	7,089.53	201.24	34.12	-91.05	-823.70	-5,976.49	1,011.22	782.38	228.83	4.419		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SOUTH #6-22D - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,064.16	7,150.58	7,090.51	204.05	34.13	-91.10	-823.69	-5,976.51	1,036.75	810.22	226.52	4.577		
14,200.00	7,063.09	7,151.56	7,091.49	206.85	34.13	-91.16	-823.67	-5,976.53	1,071.04	848.22	222.82	4.807		
14,300.00	7,062.02	7,152.55	7,092.48	209.66	34.13	-91.22	-823.66	-5,976.55	1,113.29	895.20	218.09	5.105		
14,400.00	7,060.95	7,153.55	7,093.48	212.46	34.14	-91.27	-823.64	-5,976.57	1,162.62	949.96	212.66	5.467		
14,500.00	7,059.88	7,154.56	7,094.49	215.27	34.14	-91.33	-823.63	-5,976.59	1,218.19	1,011.34	206.85	5.889		
14,600.00	7,058.81	7,155.57	7,095.50	218.08	34.14	-91.39	-823.61	-5,976.61	1,279.16	1,078.28	200.88	6.368		
14,700.00	7,057.74	7,156.59	7,096.52	220.89	34.15	-91.45	-823.60	-5,976.64	1,344.82	1,149.88	194.94	6.899		
14,800.00	7,056.67	7,157.62	7,097.54	223.70	34.15	-91.51	-823.58	-5,976.66	1,414.50	1,225.35	189.15	7.478		
14,900.00	7,055.60	7,158.65	7,098.58	226.51	34.16	-91.57	-823.56	-5,976.68	1,487.64	1,304.05	183.59	8.103		
15,000.00	7,054.53	7,159.69	7,099.62	229.32	34.16	-91.63	-823.55	-5,976.70	1,563.76	1,385.44	178.32	8.770		
15,100.00	7,053.46	7,160.74	7,100.67	232.14	34.16	-91.69	-823.53	-5,976.72	1,642.44	1,469.10	173.34	9.475		
15,200.00	7,052.39	7,161.79	7,101.72	234.95	34.17	-91.75	-823.52	-5,976.75	1,723.33	1,554.66	168.68	10.217		
15,300.00	7,051.32	7,162.86	7,102.78	237.76	34.17	-91.81	-823.50	-5,976.77	1,806.14	1,641.82	164.32	10.992		
15,400.00	7,050.25	7,163.93	7,103.85	240.58	34.18	-91.88	-823.48	-5,976.79	1,890.61	1,730.36	160.25	11.798		
15,500.00	7,049.18	7,165.01	7,104.93	243.39	34.18	-91.94	-823.47	-5,976.82	1,976.53	1,820.06	156.46	12.632		
15,600.00	7,048.11	7,166.09	7,106.02	246.21	34.18	-92.00	-823.45	-5,976.84	2,063.71	1,910.77	152.94	13.494		
15,703.32	7,047.00	7,167.22	7,107.15	249.12	34.19	-92.07	-823.44	-5,976.86	2,154.96	2,005.41	149.56	14.409		
15,703.90	7,046.99	7,167.23	7,107.15	249.13	34.19	-92.07	-823.43	-5,976.86	2,155.48	2,005.94	149.54	14.414		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-104.06	-1,365.51	-5,453.37	5,621.74					
100.00	100.00	79.44	79.44	3.28	3.28	-104.06	-1,365.35	-5,453.60	5,621.97	5,615.40	6.57	855.797		
200.00	200.00	172.42	172.41	3.34	3.32	-104.05	-1,364.86	-5,454.26	5,622.53	5,615.87	6.66	844.300		
300.00	300.00	289.99	289.98	3.44	3.44	-104.04	-1,363.86	-5,455.07	5,623.00	5,616.12	6.88	816.832		
400.00	399.98	415.86	415.83	3.60	3.64	-170.67	-1,362.04	-5,455.57	5,624.76	5,617.52	7.24	776.846		
500.00	499.84	515.77	515.73	3.80	3.85	-170.64	-1,360.20	-5,455.86	5,629.75	5,622.11	7.65	736.068		
600.00	599.45	617.27	617.21	4.05	4.09	-170.61	-1,358.13	-5,456.18	5,638.17	5,630.03	8.14	693.009		
700.00	698.70	747.14	747.04	4.32	4.45	-170.56	-1,354.99	-5,456.35	5,649.75	5,640.98	8.77	644.240		
740.00	738.27	806.71	806.58	4.45	4.63	-170.54	-1,353.20	-5,456.22	5,655.15	5,646.08	9.07	623.565		
800.00	797.57	866.64	866.48	4.63	4.82	-170.54	-1,351.27	-5,456.02	5,663.55	5,654.11	9.44	600.027		
900.00	896.39	900.00	899.82	4.96	4.92	-170.54	-1,350.18	-5,455.90	5,677.90	5,668.04	9.87	575.554		
1,000.00	995.21	959.29	959.09	5.32	5.11	-170.54	-1,348.81	-5,456.11	5,693.02	5,682.62	10.39	547.710		
1,100.00	1,094.03	1,000.00	999.80	5.69	5.25	-170.54	-1,348.57	-5,456.74	5,709.38	5,698.50	10.88	524.739		
1,200.00	1,192.86	1,034.08	1,033.86	6.07	5.36	-170.55	-1,348.84	-5,457.53	5,726.80	5,715.44	11.36	504.233		
1,300.00	1,291.68	1,074.36	1,074.12	6.47	5.50	-170.57	-1,349.75	-5,458.70	5,745.22	5,733.35	11.87	484.192		
1,400.00	1,390.50	1,126.86	1,126.55	6.88	5.69	-170.60	-1,351.80	-5,460.57	5,764.59	5,752.16	12.43	463.848		
1,500.00	1,489.33	1,200.00	1,199.55	7.29	5.96	-170.64	-1,355.23	-5,463.37	5,784.49	5,771.41	13.08	442.330		
1,600.00	1,588.15	1,252.18	1,251.60	7.71	6.17	-170.68	-1,358.26	-5,465.55	5,804.99	5,791.32	13.66	424.890		
1,700.00	1,686.97	1,304.77	1,303.99	8.14	6.38	-170.73	-1,362.11	-5,467.98	5,826.27	5,812.02	14.25	408.725		
1,800.00	1,785.79	1,378.95	1,377.78	8.57	6.70	-170.80	-1,368.70	-5,471.53	5,848.12	5,833.17	14.95	391.135		
1,900.00	1,884.62	1,400.00	1,398.71	9.01	6.79	-170.82	-1,370.79	-5,472.54	5,870.69	5,855.26	15.43	380.560		
2,000.00	1,983.44	1,462.40	1,460.65	9.45	7.07	-170.89	-1,377.51	-5,475.99	5,893.93	5,877.84	16.09	366.315		
2,100.00	2,082.26	1,500.00	1,497.90	9.89	7.25	-170.94	-1,381.94	-5,478.51	5,918.34	5,901.70	16.64	355.616		
2,200.00	2,181.09	1,500.00	1,497.90	10.33	7.25	-170.94	-1,381.94	-5,478.51	5,944.01	5,926.99	17.02	349.220		
2,300.00	2,279.91	1,556.27	1,553.53	10.78	7.54	-171.01	-1,389.14	-5,483.08	5,970.36	5,952.70	17.67	337.952		
2,400.00	2,378.73	1,600.00	1,596.61	11.23	7.76	-171.07	-1,395.23	-5,487.38	5,998.09	5,979.84	18.25	328.668		
2,500.00	2,477.55	1,600.00	1,596.61	11.68	7.76	-171.07	-1,395.23	-5,487.38	6,026.82	6,008.20	18.62	323.731		
2,600.00	2,576.38	1,643.36	1,639.20	12.13	8.02	-171.13	-1,401.80	-5,492.22	6,056.56	6,037.36	19.21	315.343		
2,700.00	2,675.20	1,700.00	1,694.57	12.59	8.36	-171.22	-1,411.34	-5,499.33	6,087.59	6,067.73	19.86	306.467		
2,800.00	2,774.02	1,704.71	1,699.16	13.04	8.39	-171.23	-1,412.18	-5,499.96	6,119.26	6,099.02	20.24	302.281		
2,900.00	2,872.85	1,778.19	1,770.70	13.50	8.87	-171.35	-1,425.83	-5,509.71	6,151.77	6,130.75	21.01	292.742		
3,000.00	2,971.67	1,840.44	1,831.17	13.96	9.30	-171.46	-1,438.07	-5,518.02	6,184.67	6,162.95	21.73	284.663		
3,100.00	3,070.49	1,900.00	1,888.95	14.41	9.71	-171.56	-1,449.88	-5,526.29	6,218.15	6,195.72	22.42	277.290		
3,200.00	3,169.31	1,931.71	1,919.66	14.87	9.94	-171.62	-1,456.30	-5,530.90	6,252.35	6,229.39	22.96	272.329		
3,300.00	3,268.14	1,964.34	1,951.17	15.33	10.18	-171.67	-1,463.15	-5,535.88	6,287.49	6,263.99	23.49	267.617		
3,400.00	3,366.96	2,000.00	1,985.51	15.79	10.45	-171.74	-1,470.90	-5,541.60	6,323.53	6,299.49	24.04	262.990		
3,500.00	3,465.78	2,102.00	2,083.57	16.25	11.25	-171.93	-1,493.53	-5,558.19	6,360.01	6,334.97	25.04	253.997		
3,600.00	3,564.61	2,221.94	2,199.14	16.72	12.17	-172.14	-1,519.18	-5,577.44	6,396.09	6,369.94	26.14	244.651		
3,700.00	3,663.43	2,295.32	2,269.91	17.18	12.72	-172.27	-1,534.56	-5,589.33	6,432.23	6,405.29	26.94	238.773		
3,800.00	3,762.25	2,395.79	2,366.73	17.64	13.49	-172.44	-1,555.88	-5,605.60	6,468.49	6,440.58	27.92	231.702		
3,900.00	3,861.07	2,495.28	2,462.61	18.10	14.24	-172.61	-1,577.15	-5,621.52	6,504.67	6,475.78	28.89	225.124		
4,000.00	3,959.90	2,578.70	2,542.95	18.57	14.88	-172.75	-1,595.26	-5,634.77	6,540.90	6,511.13	29.77	219.716		
4,100.00	4,058.72	4,100.00	2,718.99	19.03	26.12	-173.08	-1,636.22	-5,662.45	6,576.82	6,537.66	39.16	167.942		
4,200.00	4,157.54	2,893.78	2,846.64	19.50	17.20	-173.31	-1,665.47	-5,680.71	6,611.31	6,578.76	32.54	203.149		
4,300.00	4,256.37	2,965.38	2,915.74	19.96	17.71	-173.44	-1,681.38	-5,690.65	6,646.04	6,612.70	33.34	199.328		
4,400.00	4,355.19	3,062.94	3,009.95	20.43	18.40	-173.60	-1,702.53	-5,704.58	6,681.01	6,646.71	34.31	194.743		
4,500.00	4,454.01	3,216.41	3,158.66	20.89	19.44	-173.84	-1,733.64	-5,726.30	6,715.47	6,679.84	35.62	188.510		
4,600.00	4,552.83	3,299.76	3,239.37	21.36	20.00	-173.97	-1,751.13	-5,737.56	6,749.61	6,713.13	36.48	185.001		
4,700.00	4,651.66	3,437.50	3,372.85	21.82	20.91	-174.19	-1,780.17	-5,755.22	6,783.05	6,745.35	37.70	179.904		
4,800.00	4,750.48	3,500.00	3,433.38	22.29	21.32	-174.29	-1,793.32	-5,763.56	6,817.08	6,778.66	38.43	177.411		
4,900.00	4,849.30	3,578.19	3,509.08	22.76	21.85	-174.41	-1,809.68	-5,774.30	6,851.49	6,812.24	39.25	174.560		
5,000.00	4,948.13	3,631.75	3,560.93	23.22	22.22	-174.49	-1,820.93	-5,781.64	6,886.03	6,846.11	39.92	172.506		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	3,670.08	3,597.88	23.69	22.49	-174.55	-1,829.59	-5,787.00	6,921.31	6,880.83	40.48	170.978		
5,200.00	5,145.77	3,700.00	3,626.62	24.16	22.71	-174.60	-1,836.75	-5,791.25	6,957.35	6,916.37	40.98	169.776		
5,300.00	5,244.59	3,767.11	3,690.91	24.62	23.23	-174.72	-1,853.31	-5,801.02	6,993.96	6,952.19	41.76	167.462		
5,400.00	5,343.42	3,828.25	3,749.40	25.09	23.71	-174.83	-1,868.57	-5,810.22	7,031.08	6,988.58	42.50	165.427		
5,500.00	5,442.24	3,900.00	3,818.06	25.56	24.29	-174.96	-1,886.17	-5,821.37	7,068.56	7,025.24	43.32	163.170		
5,600.00	5,541.06	4,193.05	4,100.53	26.03	26.44	-175.39	-1,950.19	-5,865.82	7,104.77	7,059.10	45.67	155.553		
5,700.00	5,639.89	4,290.74	4,195.18	26.50	27.10	-175.52	-1,969.91	-5,879.79	7,139.77	7,093.15	46.62	153.151		
5,800.00	5,738.71	4,372.51	4,274.41	26.96	27.65	-175.63	-1,986.36	-5,891.54	7,174.85	7,127.39	47.46	151.182		
5,900.00	5,837.53	4,436.49	4,336.30	27.43	28.09	-175.72	-1,999.78	-5,900.68	7,210.18	7,162.00	48.18	149.645		
6,000.00	5,936.35	4,500.00	4,397.60	27.90	28.54	-175.81	-2,013.54	-5,909.95	7,246.01	7,197.11	48.90	148.165		
6,100.00	6,035.18	4,579.68	4,474.43	28.37	29.11	-175.93	-2,031.13	-5,921.68	7,282.15	7,232.40	49.75	146.380		
6,200.00	6,134.00	4,635.76	4,528.48	28.84	29.53	-176.01	-2,043.53	-5,930.01	7,318.49	7,268.07	50.42	145.145		
6,300.00	6,232.82	4,670.63	4,610.07	29.31	30.18	-177.10	-2,217.86	-6,060.35	7,337.15	7,277.83	59.32	123.683		
6,400.00	6,331.64	4,609.90	4,627.32	29.77	30.60	-177.12	-2,219.55	-6,061.34	7,353.52	7,293.25	60.28	121.999		
6,477.15	6,407.89	4,648.18	4,637.59	30.14	30.78	-177.13	-2,220.18	-6,061.69	7,366.02	7,305.20	60.83	121.093		
6,500.00	6,430.52	4,686.80	4,656.22	30.24	30.84	-170.80	-2,220.37	-6,061.83	7,369.37	7,308.37	61.00	120.816		
6,550.00	6,480.31	4,549.72	4,419.13	30.46	30.03	-135.33	-2,221.03	-6,062.27	7,373.99	7,312.55	61.44	120.021		
6,600.00	6,530.22	4,616.21	4,485.61	30.66	30.23	-67.02	-2,221.78	-6,062.53	7,374.75	7,312.87	61.88	119.180		
6,650.00	6,579.93	4,667.24	4,536.64	30.85	30.39	-42.45	-2,222.54	-6,062.60	7,371.75	7,309.51	62.24	118.435		
6,700.00	6,629.13	4,700.00	4,569.39	31.04	30.49	-34.26	-2,223.14	-6,062.61	7,365.07	7,302.55	62.52	117.796		
6,750.00	6,677.53	4,740.68	4,610.06	31.23	30.62	-30.59	-2,223.97	-6,062.65	7,354.80	7,291.98	62.82	117.074		
6,800.00	6,724.83	4,770.02	4,639.40	31.43	30.71	-28.74	-2,224.60	-6,062.76	7,341.08	7,278.02	63.06	116.411		
6,850.00	6,770.73	4,800.00	4,669.37	31.63	30.80	-27.86	-2,225.27	-6,062.94	7,323.97	7,260.68	63.29	115.721		
6,900.00	6,814.95	4,900.32	4,769.66	31.84	30.92	-27.75	-2,227.67	-6,063.19	7,303.35	7,239.58	63.77	114.522		
6,950.00	6,857.22	4,900.00	4,769.34	32.06	30.92	-27.90	-2,227.66	-6,063.19	7,279.42	7,215.56	63.86	113.992		
7,000.00	6,897.28	4,935.52	4,804.85	32.29	30.23	-28.54	-2,228.51	-6,063.25	7,252.41	7,188.34	64.07	113.195		
7,050.00	6,934.88	4,951.87	4,821.19	32.54	30.28	-29.52	-2,228.89	-6,063.37	7,222.63	7,158.44	64.20	112.508		
7,100.00	6,969.79	4,967.16	4,836.49	32.81	30.33	-30.89	-2,229.23	-6,063.53	7,190.20	7,125.89	64.31	111.805		
7,150.00	7,001.79	5,000.00	4,869.31	33.11	30.44	-32.81	-2,229.92	-6,064.04	7,155.35	7,090.86	64.48	110.962		
7,200.00	7,030.69	5,000.00	4,869.31	33.44	30.44	-35.10	-2,229.92	-6,064.04	7,118.11	7,053.59	64.53	110.313		
7,250.00	7,056.31	5,025.26	4,894.57	33.81	30.52	-38.21	-2,230.41	-6,064.51	7,078.84	7,014.18	64.67	109.469		
7,300.00	7,078.48	5,068.86	4,938.15	34.21	30.66	-42.35	-2,231.20	-6,065.23	7,037.64	6,972.76	64.88	108.476		
7,350.00	7,097.08	5,105.35	4,974.63	34.65	30.77	-47.59	-2,231.80	-6,065.75	6,994.77	6,929.70	65.06	107.509		
7,400.00	7,112.00	5,123.52	4,992.79	35.12	30.83	-54.03	-2,232.09	-6,065.99	6,950.53	6,885.35	65.18	106.636		
7,450.00	7,123.12	5,138.55	5,007.82	35.64	30.88	-62.08	-2,232.32	-6,066.18	6,905.23	6,839.94	65.29	105.760		
7,500.00	7,130.40	5,148.63	5,017.90	36.19	30.91	-71.80	-2,232.47	-6,066.31	6,859.15	6,793.76	65.39	104.893		
7,550.00	7,133.78	5,153.74	5,023.01	36.77	30.93	-82.97	-2,232.55	-6,066.37	6,812.58	6,747.10	65.48	104.037		
7,574.97	7,134.00	5,154.43	5,023.70	37.06	30.93	-88.87	-2,232.56	-6,066.38	6,789.23	6,723.70	65.52	103.614		
7,600.00	7,133.73	5,154.49	5,023.76	37.37	30.93	-88.87	-2,232.56	-6,066.38	6,765.81	6,700.25	65.57	103.190		
7,700.00	7,132.66	5,154.74	5,024.01	38.71	30.93	-88.88	-2,232.56	-6,066.38	6,672.38	6,606.62	65.76	101.465		
7,800.00	7,131.59	5,155.00	5,024.27	40.20	30.93	-88.88	-2,232.57	-6,066.39	6,579.13	6,513.13	66.00	99.686		
7,900.00	7,130.52	5,155.25	5,024.52	41.84	30.94	-88.89	-2,232.57	-6,066.39	6,486.09	6,419.81	66.28	97.854		
8,000.00	7,129.45	5,155.50	5,024.77	43.60	30.94	-88.89	-2,232.57	-6,066.39	6,393.26	6,326.64	66.62	95.970		
8,100.00	7,128.38	5,155.74	5,025.01	45.47	30.94	-88.90	-2,232.58	-6,066.40	6,300.64	6,233.64	67.00	94.035		
8,200.00	7,127.31	5,155.99	5,025.26	47.44	30.94	-88.91	-2,232.58	-6,066.40	6,208.26	6,140.82	67.44	92.053		
8,300.00	7,126.24	5,156.23	5,025.50	49.49	30.94	-88.91	-2,232.58	-6,066.40	6,116.12	6,048.18	67.94	90.026		
8,400.00	7,125.17	5,156.47	5,025.74	51.61	30.94	-88.92	-2,232.59	-6,066.41	6,024.22	5,955.73	68.49	87.957		
8,500.00	7,124.10	5,156.72	5,025.98	53.81	30.94	-88.92	-2,232.59	-6,066.41	5,932.59	5,863.49	69.10	85.849		
8,600.00	7,123.03	5,156.95	5,026.22	56.06	30.94	-88.93	-2,232.59	-6,066.41	5,841.23	5,771.45	69.78	83.707		
8,700.00	7,121.96	5,157.19	5,026.46	58.36	30.94	-88.93	-2,232.60	-6,066.41	5,750.17	5,679.64	70.52	81.536		
8,800.00	7,120.89	5,157.43	5,026.70	60.71	30.94	-88.94	-2,232.60	-6,066.42	5,659.40	5,588.07	71.33	79.340		
8,900.00	7,119.82	5,157.66	5,026.93	63.10	30.94	-88.95	-2,232.61	-6,066.42	5,568.95	5,496.74	72.21	77.124		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,118.75	7,157.90	7,027.16	65.53	39.94	-88.95	-2,232.61	-6,066.42	5,478.83	5,405.67	73.16	74.893		
9,100.00	7,117.68	7,158.13	7,027.40	67.98	39.94	-88.96	-2,232.61	-6,066.43	5,389.06	5,314.88	74.18	72.652		
9,200.00	7,116.61	7,158.36	7,027.63	70.47	39.95	-88.96	-2,232.62	-6,066.43	5,299.65	5,224.38	75.27	70.407		
9,300.00	7,115.54	7,158.59	7,027.85	72.98	39.95	-88.97	-2,232.62	-6,066.43	5,210.63	5,134.19	76.44	68.162		
9,400.00	7,114.47	7,158.81	7,028.08	75.52	39.95	-88.97	-2,232.62	-6,066.43	5,122.02	5,044.32	77.70	65.924		
9,500.00	7,113.40	7,159.04	7,028.31	78.08	39.95	-88.98	-2,232.63	-6,066.44	5,033.83	4,954.80	79.03	63.697		
9,600.00	7,112.33	7,159.26	7,028.53	80.65	39.95	-88.98	-2,232.63	-6,066.44	4,946.09	4,865.65	80.44	61.485		
9,700.00	7,111.26	7,159.48	7,028.75	83.25	39.95	-88.99	-2,232.63	-6,066.44	4,858.83	4,776.88	81.95	59.294		
9,800.00	7,110.19	7,159.71	7,028.97	85.86	39.95	-88.99	-2,232.64	-6,066.44	4,772.06	4,688.53	83.53	57.127		
9,900.00	7,109.12	7,159.93	7,029.19	88.48	39.95	-89.00	-2,232.64	-6,066.45	4,685.83	4,600.61	85.21	54.989		
10,000.00	7,108.04	7,160.14	7,029.41	91.12	39.95	-89.00	-2,232.64	-6,066.45	4,600.15	4,513.16	86.99	52.884		
10,100.00	7,106.97	7,160.36	7,029.63	93.77	39.95	-89.01	-2,232.64	-6,066.45	4,515.05	4,426.20	88.85	50.814		
10,200.00	7,105.90	7,160.58	7,029.85	96.43	39.95	-89.01	-2,232.65	-6,066.45	4,430.59	4,339.77	90.82	48.784		
10,300.00	7,104.83	7,160.79	7,030.06	99.10	39.95	-89.02	-2,232.65	-6,066.46	4,346.78	4,253.89	92.89	46.796		
10,400.00	7,103.76	7,161.00	7,030.27	101.78	39.95	-89.03	-2,232.65	-6,066.46	4,263.67	4,168.61	95.06	44.853		
10,500.00	7,102.69	7,161.22	7,030.48	104.47	39.95	-89.03	-2,232.66	-6,066.46	4,181.30	4,083.96	97.34	42.957		
10,600.00	7,101.62	7,161.43	7,030.70	107.16	39.96	-89.04	-2,232.66	-6,066.47	4,099.71	3,999.98	99.73	41.110		
10,700.00	7,100.55	7,161.64	7,030.90	109.87	39.96	-89.04	-2,232.66	-6,066.47	4,018.95	3,916.73	102.23	39.314		
10,800.00	7,099.48	7,161.84	7,031.11	112.58	39.96	-89.05	-2,232.67	-6,066.47	3,939.08	3,834.24	104.85	37.570		
10,900.00	7,098.41	7,162.05	7,031.32	115.29	39.96	-89.05	-2,232.67	-6,066.47	3,860.15	3,752.56	107.59	35.880		
11,000.00	7,097.34	7,162.26	7,031.52	118.02	39.96	-89.06	-2,232.67	-6,066.48	3,782.21	3,671.76	110.45	34.244		
11,100.00	7,096.27	7,162.46	7,031.73	120.74	39.96	-89.06	-2,232.68	-6,066.48	3,705.33	3,591.90	113.44	32.664		
11,200.00	7,095.20	7,162.66	7,031.93	123.48	39.96	-89.06	-2,232.68	-6,066.48	3,629.58	3,513.03	116.55	31.141		
11,300.00	7,094.13	7,162.86	7,032.13	126.22	39.96	-89.07	-2,232.68	-6,066.48	3,555.03	3,435.23	119.80	29.674		
11,400.00	7,093.06	7,163.06	7,032.33	128.96	39.96	-89.07	-2,232.68	-6,066.48	3,481.76	3,358.57	123.19	28.263		
11,500.00	7,091.99	7,163.26	7,032.53	131.71	39.96	-89.08	-2,232.69	-6,066.49	3,409.84	3,283.13	126.71	26.910		
11,600.00	7,090.92	7,163.46	7,032.73	134.46	39.96	-89.08	-2,232.69	-6,066.49	3,339.37	3,209.00	130.37	25.615		
11,700.00	7,089.85	7,163.66	7,032.93	137.21	39.96	-89.09	-2,232.69	-6,066.49	3,270.44	3,136.27	134.17	24.376		
11,800.00	7,088.78	7,163.85	7,033.12	139.97	39.96	-89.09	-2,232.70	-6,066.49	3,203.15	3,065.04	138.10	23.194		
11,900.00	7,087.71	7,164.05	7,033.32	142.73	39.96	-89.10	-2,232.70	-6,066.50	3,137.60	2,995.42	142.18	22.068		
12,000.00	7,086.64	7,164.24	7,033.51	145.50	39.96	-89.10	-2,232.70	-6,066.50	3,073.91	2,927.52	146.38	20.999		
12,100.00	7,085.57	7,164.43	7,033.70	148.26	39.96	-89.11	-2,232.70	-6,066.50	3,012.19	2,861.46	150.72	19.985		
12,200.00	7,084.50	7,164.63	7,033.89	151.03	39.97	-89.11	-2,232.71	-6,066.50	2,952.57	2,797.38	155.19	19.026		
12,300.00	7,083.43	7,164.82	7,034.08	153.81	39.97	-89.12	-2,232.71	-6,066.51	2,895.17	2,735.40	159.77	18.121		
12,400.00	7,082.36	7,165.00	7,034.27	156.58	39.97	-89.12	-2,232.71	-6,066.51	2,840.14	2,675.68	164.46	17.270		
12,500.00	7,081.29	7,165.19	7,034.46	159.36	39.97	-89.13	-2,232.72	-6,066.51	2,787.61	2,618.37	169.24	16.471		
12,600.00	7,080.22	7,165.38	7,034.65	162.14	39.97	-89.13	-2,232.72	-6,066.51	2,737.73	2,563.62	174.11	15.724		
12,700.00	7,079.15	7,165.56	7,034.83	164.92	39.97	-89.13	-2,232.72	-6,066.51	2,690.64	2,511.60	179.04	15.029		
12,800.00	7,078.08	7,165.75	7,035.02	167.71	39.97	-89.14	-2,232.72	-6,066.52	2,646.49	2,462.49	184.00	14.383		
12,900.00	7,077.01	7,165.93	7,035.20	170.49	39.97	-89.14	-2,232.73	-6,066.52	2,605.44	2,416.45	188.99	13.786		
13,000.00	7,075.93	7,166.11	7,035.38	173.28	39.97	-89.15	-2,232.73	-6,066.52	2,567.62	2,373.66	193.96	13.238		
13,100.00	7,074.86	7,166.30	7,035.56	176.07	39.97	-89.15	-2,232.73	-6,066.52	2,533.19	2,334.29	198.90	12.736		
13,200.00	7,073.79	7,166.48	7,035.74	178.86	39.97	-89.16	-2,232.73	-6,066.53	2,502.28	2,298.52	203.77	12.280		
13,300.00	7,072.72	7,166.65	7,035.92	181.65	39.97	-89.16	-2,232.74	-6,066.53	2,475.04	2,266.51	208.52	11.869		
13,400.00	7,071.65	7,166.83	7,036.10	184.45	39.97	-89.16	-2,232.74	-6,066.53	2,451.57	2,238.42	213.14	11.502		
13,500.00	7,070.58	7,167.01	7,036.28	187.25	39.97	-89.17	-2,232.74	-6,066.53	2,431.99	2,214.40	217.58	11.177		
13,600.00	7,069.51	7,167.19	7,036.45	190.04	39.97	-89.17	-2,232.75	-6,066.53	2,416.39	2,194.57	221.82	10.894		
13,700.00	7,068.44	7,167.36	7,036.63	192.84	39.97	-89.18	-2,232.75	-6,066.54	2,404.85	2,179.05	225.80	10.650		
13,800.00	7,067.37	7,167.54	7,036.80	195.64	39.97	-89.18	-2,232.75	-6,066.54	2,397.43	2,167.92	229.51	10.446		
13,900.00	7,066.30	7,167.71	7,036.98	198.44	39.98	-89.19	-2,232.75	-6,066.54	2,394.17	2,161.25	232.92	10.279		
13,928.12	7,066.00	7,167.76	7,037.02	199.23	39.98	-89.19	-2,232.75	-6,066.54	2,394.01	2,160.19	233.82	10.239 CC		
14,000.00	7,065.23	7,167.88	7,037.15	201.24	39.98	-89.19	-2,232.76	-6,066.54	2,395.09	2,159.09	236.00	10.149 ES		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	7,168.05	7,037.32	204.05	39.98	-89.19	-2,232.76	-6,066.54	2,400.17	2,161.43	238.74	10.054	
14,200.00	7,063.09	7,168.22	7,037.49	206.85	39.98	-89.20	-2,232.76	-6,066.55	2,409.40	2,168.27	241.12	9.992	
14,300.00	7,062.02	7,168.39	7,037.66	209.66	39.98	-89.20	-2,232.76	-6,066.55	2,422.72	2,179.58	243.14	9.964 SF	
14,400.00	7,060.95	7,168.56	7,037.83	212.46	39.98	-89.21	-2,232.77	-6,066.55	2,440.07	2,195.27	244.80	9.967	
14,500.00	7,059.88	7,168.73	7,037.99	215.27	39.98	-89.21	-2,232.77	-6,066.55	2,461.37	2,215.26	246.11	10.001	
14,600.00	7,058.81	7,168.89	7,038.16	218.08	39.98	-89.21	-2,232.77	-6,066.55	2,486.50	2,239.44	247.06	10.064	
14,700.00	7,057.74	7,169.06	7,038.33	220.89	39.98	-89.22	-2,232.77	-6,066.56	2,515.37	2,267.68	247.69	10.155	
14,800.00	7,056.67	7,169.23	7,038.49	223.70	39.98	-89.22	-2,232.77	-6,066.56	2,547.83	2,299.84	248.00	10.274	
14,900.00	7,055.60	7,169.39	7,038.66	226.51	39.98	-89.23	-2,232.78	-6,066.56	2,583.76	2,335.75	248.01	10.418	
15,000.00	7,054.53	7,169.55	7,038.82	229.32	39.98	-89.23	-2,232.78	-6,066.56	2,623.01	2,375.25	247.76	10.587	
15,100.00	7,053.46	7,169.71	7,038.98	232.14	39.98	-89.23	-2,232.78	-6,066.56	2,665.44	2,418.18	247.26	10.780	
15,200.00	7,052.39	7,169.88	7,039.14	234.95	39.98	-89.24	-2,232.78	-6,066.57	2,710.89	2,464.36	246.54	10.996	
15,300.00	7,051.32	7,170.04	7,039.30	237.76	39.98	-89.24	-2,232.79	-6,066.57	2,759.23	2,513.61	245.62	11.234	
15,400.00	7,050.25	7,170.20	7,039.46	240.58	39.98	-89.25	-2,232.79	-6,066.57	2,810.28	2,565.76	244.53	11.493	
15,500.00	7,049.18	7,170.35	7,039.62	243.39	39.98	-89.25	-2,232.79	-6,066.57	2,863.93	2,620.64	243.28	11.772	
15,600.00	7,048.11	7,170.51	7,039.78	246.21	39.98	-89.25	-2,232.79	-6,066.57	2,920.01	2,678.10	241.91	12.071	
15,703.32	7,047.00	7,170.67	7,039.94	249.12	39.99	-89.26	-2,232.80	-6,066.58	2,980.37	2,739.99	240.38	12.398	
15,703.90	7,046.99	7,170.67	7,039.94	249.13	39.99	-89.26	-2,232.80	-6,066.58	2,980.72	2,740.34	240.37	12.400	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	10.31	10.31	3.28	3.28	-104.17	-1,376.44	-5,453.37	5,624.40					
100.00	100.00	154.41	154.41	3.28	3.31	-104.17	-1,376.35	-5,452.28	5,623.54	5,616.95	6.60	852.609		
200.00	200.00	242.65	242.65	3.34	3.38	-104.17	-1,376.32	-5,451.59	5,622.77	5,616.05	6.72	836.731		
300.00	300.00	331.77	331.77	3.44	3.50	-104.17	-1,376.34	-5,451.02	5,622.16	5,615.22	6.94	810.005		
313.08	313.08	342.44	342.43	3.46	3.51	-170.82	-1,376.34	-5,450.96	5,622.13	5,615.15	6.97	806.069		
400.00	399.98	415.84	415.83	3.60	3.64	-170.82	-1,376.35	-5,450.73	5,623.55	5,616.31	7.24	776.962		
500.00	499.84	515.95	515.94	3.80	3.84	-170.81	-1,376.27	-5,450.55	5,628.52	5,620.88	7.64	736.306		
600.00	599.45	625.12	625.11	4.05	4.10	-170.80	-1,376.09	-5,450.20	5,636.77	5,628.62	8.15	691.707		
700.00	698.70	710.26	710.25	4.32	4.33	-170.78	-1,376.02	-5,449.99	5,648.54	5,639.89	8.65	652.675		
740.00	738.27	745.60	745.59	4.45	4.43	-170.77	-1,376.03	-5,449.95	5,654.28	5,645.40	8.88	637.046		
800.00	797.57	798.55	798.54	4.63	4.59	-170.78	-1,376.06	-5,449.94	5,663.34	5,654.12	9.21	614.715		
900.00	896.39	864.96	864.95	4.96	4.79	-170.80	-1,376.38	-5,450.09	5,678.78	5,669.04	9.73	583.420		
1,000.00	995.21	900.00	899.98	5.32	4.90	-170.81	-1,376.78	-5,450.27	5,694.91	5,684.73	10.18	559.387		
1,100.00	1,094.03	954.01	953.98	5.69	5.08	-170.84	-1,378.12	-5,450.89	5,711.90	5,701.19	10.71	533.368		
1,200.00	1,192.86	1,000.00	999.90	6.07	5.24	-170.87	-1,380.21	-5,451.87	5,730.05	5,718.83	11.23	510.451		
1,300.00	1,291.68	1,032.29	1,032.12	6.47	5.36	-170.89	-1,382.18	-5,452.78	5,749.19	5,737.47	11.71	490.809		
1,400.00	1,390.50	1,075.63	1,075.32	6.88	5.52	-170.93	-1,385.44	-5,454.20	5,769.28	5,757.03	12.25	470.930		
1,500.00	1,489.33	1,100.00	1,099.57	7.29	5.62	-170.96	-1,387.59	-5,455.10	5,790.37	5,777.65	12.72	455.167		
1,600.00	1,588.15	1,164.37	1,163.52	7.71	5.91	-171.03	-1,394.38	-5,457.78	5,812.22	5,798.85	13.38	434.535		
1,700.00	1,686.97	1,200.00	1,198.83	8.14	6.07	-171.08	-1,398.85	-5,459.45	5,835.05	5,821.14	13.91	419.446		
1,800.00	1,785.79	1,265.70	1,263.80	8.57	6.40	-171.18	-1,408.11	-5,462.78	5,858.61	5,844.00	14.61	401.061		
1,900.00	1,884.62	1,300.00	1,297.63	9.01	6.57	-171.23	-1,413.41	-5,464.62	5,882.97	5,867.81	15.16	388.162		
2,000.00	1,983.44	1,355.72	1,352.47	9.45	6.88	-171.33	-1,422.69	-5,467.91	5,908.12	5,892.30	15.83	373.285		
2,100.00	2,082.26	1,400.00	1,395.93	9.89	7.13	-171.41	-1,430.67	-5,470.88	5,934.26	5,917.82	16.44	360.940		
2,200.00	2,181.09	1,474.83	1,469.17	10.33	7.58	-171.55	-1,445.13	-5,476.07	5,961.03	5,943.79	17.24	345.742		
2,300.00	2,279.91	1,537.47	1,530.31	10.78	7.97	-171.68	-1,458.06	-5,480.36	5,988.17	5,970.18	17.98	332.979		
2,400.00	2,378.73	1,600.00	1,591.16	11.23	8.37	-171.81	-1,471.68	-5,484.89	6,015.99	5,997.26	18.73	321.142		
2,500.00	2,477.55	1,673.10	1,662.05	11.68	8.86	-171.97	-1,488.71	-5,490.18	6,044.31	6,024.74	19.57	308.840		
2,600.00	2,576.38	1,731.88	1,718.82	12.13	9.27	-172.11	-1,503.42	-5,494.25	6,072.96	6,052.63	20.33	298.672		
2,700.00	2,675.20	1,777.47	1,762.63	12.59	9.60	-172.23	-1,515.57	-5,497.53	6,102.40	6,081.38	21.02	290.382		
2,800.00	2,774.02	1,821.76	1,805.01	13.04	9.94	-172.35	-1,528.01	-5,500.87	6,132.64	6,110.95	21.70	282.652		
2,900.00	2,872.85	1,864.82	1,846.05	13.50	10.28	-172.46	-1,540.60	-5,504.30	6,163.72	6,141.34	22.38	275.436		
3,000.00	2,971.67	1,900.00	1,879.44	13.96	10.56	-172.56	-1,551.25	-5,507.25	6,195.63	6,172.64	23.00	269.429		
3,100.00	3,070.49	1,954.27	1,930.73	14.41	11.04	-172.72	-1,568.33	-5,511.98	6,228.31	6,204.53	23.79	261.853		
3,200.00	3,169.31	2,000.00	1,973.72	14.87	11.44	-172.86	-1,583.37	-5,516.10	6,261.77	6,237.27	24.50	255.561		
3,300.00	3,268.14	2,056.24	2,026.31	15.33	11.97	-173.03	-1,602.63	-5,521.26	6,295.92	6,270.58	25.34	248.506		
3,400.00	3,366.96	2,100.00	2,067.02	15.79	12.38	-173.17	-1,618.16	-5,525.28	6,330.69	6,304.64	26.05	242.994		
3,500.00	3,465.78	2,155.30	2,118.24	16.25	12.94	-173.35	-1,638.34	-5,530.50	6,366.14	6,339.24	26.90	236.693		
3,600.00	3,564.61	2,200.00	2,159.48	16.72	13.39	-173.50	-1,655.02	-5,534.93	6,402.35	6,374.71	27.63	231.676		
3,700.00	3,663.43	2,241.69	2,197.80	17.18	13.83	-173.64	-1,670.87	-5,539.24	6,439.32	6,410.97	28.36	227.084		
3,800.00	3,762.25	2,300.00	2,251.16	17.64	14.45	-173.84	-1,693.49	-5,545.62	6,477.13	6,447.89	29.24	221.516		
3,900.00	3,861.07	2,324.88	2,273.85	18.10	14.74	-173.92	-1,703.29	-5,548.45	6,515.60	6,485.81	29.79	218.688		
4,000.00	3,959.90	2,367.79	2,312.87	18.57	15.23	-174.07	-1,720.43	-5,553.48	6,554.86	6,524.33	30.53	214.692		
4,100.00	4,058.72	2,413.81	2,354.56	19.03	15.76	-174.23	-1,739.09	-5,559.08	6,594.85	6,563.54	31.30	210.680		
4,200.00	4,157.54	2,470.19	2,405.42	19.50	16.44	-174.43	-1,762.41	-5,566.02	6,635.42	6,603.22	32.20	206.083		
4,300.00	4,256.37	2,500.00	2,432.22	19.96	16.79	-174.53	-1,774.94	-5,569.70	6,676.61	6,643.82	32.79	203.590		
4,400.00	4,355.19	2,556.31	2,482.55	20.43	17.52	-174.74	-1,799.16	-5,576.77	6,718.42	6,684.71	33.72	199.259		
4,500.00	4,454.01	2,600.00	2,521.31	20.89	18.09	-174.90	-1,818.54	-5,582.39	6,761.04	6,726.56	34.49	196.054		
4,600.00	4,552.83	2,642.63	2,558.93	21.36	18.68	-175.06	-1,837.80	-5,587.98	6,804.34	6,769.07	35.26	192.954		
4,700.00	4,651.66	2,700.00	2,609.37	21.82	19.47	-175.27	-1,864.03	-5,595.63	6,848.22	6,812.00	36.22	189.071		
4,800.00	4,750.48	2,821.06	2,716.02	22.29	21.14	-175.72	-1,918.94	-5,611.91	6,892.31	6,854.36	37.96	181.571		
4,900.00	4,849.30	2,928.83	2,811.95	22.76	22.56	-176.09	-1,965.87	-5,626.43	6,935.80	6,896.32	39.48	175.679		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,948.13	2,972.06	2,850.47	23.22	23.12	-176.24	-1,984.51	-5,632.50	6,979.80	6,939.58	40.22	173.545		
5,100.00	5,046.95	3,253.04	3,103.49	23.69	26.60	-177.12	-2,099.87	-5,672.54	7,023.96	6,980.37	43.59	161.133		
5,200.00	5,145.77	3,666.30	3,483.10	24.16	30.84	-178.27	-2,255.56	-5,721.22	7,064.90	7,017.03	47.87	147.573		
5,300.00	5,244.59	3,700.00	3,514.28	24.62	31.15	-178.36	-2,267.93	-5,724.42	7,103.33	7,054.90	48.43	146.669		
5,400.00	5,343.42	3,741.78	3,552.74	25.09	31.57	-178.48	-2,283.73	-5,728.49	7,142.45	7,093.36	49.09	145.503		
5,500.00	5,442.24	3,766.28	3,575.14	25.56	31.82	-178.55	-2,293.34	-5,731.01	7,182.52	7,132.96	49.57	144.903		
5,600.00	5,541.06	3,800.00	3,605.76	26.03	32.16	-178.65	-2,306.98	-5,734.64	7,223.49	7,173.36	50.13	144.088		
5,700.00	5,639.89	3,825.82	3,629.11	26.50	32.46	-178.73	-2,317.63	-5,737.53	7,265.24	7,214.60	50.63	143.484		
5,800.00	5,738.71	3,868.59	3,667.69	26.96	32.95	-178.86	-2,335.41	-5,742.46	7,307.65	7,256.34	51.32	142.408		
5,900.00	5,837.53	3,915.02	3,709.48	27.43	33.49	-179.00	-2,354.88	-5,748.01	7,350.68	7,298.65	52.03	141.264		
6,000.00	5,936.35	3,972.42	3,761.03	27.90	34.18	-179.17	-2,379.12	-5,755.04	7,394.21	7,341.32	52.88	139.823		
6,100.00	6,035.18	4,000.00	3,939.81	28.37	34.83	-179.74	-2,461.35	-5,779.15	7,437.62	7,365.15	72.48	102.622		
6,200.00	6,134.00	4,261.34	4,022.63	28.84	37.46	-179.97	-2,496.41	-5,790.34	7,479.94	7,423.55	56.39	132.653		
6,300.00	6,232.82	4,300.00	4,058.00	29.31	37.87	-179.93	-2,511.16	-5,795.46	7,522.87	7,465.89	56.98	132.028		
6,400.00	6,331.64	4,349.05	4,102.80	29.77	38.42	-179.81	-2,529.96	-5,802.20	7,566.37	7,508.69	57.68	131.168		
6,477.15	6,407.89	4,400.00	4,149.23	30.14	39.00	-179.68	-2,549.65	-5,809.44	7,600.34	7,541.98	58.36	130.225		
6,500.00	6,430.52	4,400.00	4,149.23	30.24	39.00	-173.73	-2,549.65	-5,809.44	7,610.09	7,551.68	58.40	130.303		
6,550.00	6,480.31	4,440.96	4,186.49	30.46	39.47	-137.81	-2,565.65	-5,815.28	7,629.08	7,570.16	58.92	129.484		
6,600.00	6,530.22	4,494.71	4,235.28	30.66	40.09	-69.12	-2,586.93	-5,822.71	7,644.62	7,585.07	59.55	128.367		
6,650.00	6,579.93	4,537.08	4,273.67	30.85	40.59	-44.16	-2,603.95	-5,828.41	7,656.66	7,596.60	60.06	127.493		
6,700.00	6,629.13	4,578.10	4,310.74	31.04	41.07	-35.61	-2,620.62	-5,833.83	7,665.16	7,604.63	60.53	126.636		
6,750.00	6,677.53	4,613.34	4,342.53	31.23	41.49	-31.55	-2,635.11	-5,838.41	7,670.11	7,609.18	60.93	125.885		
6,800.00	6,724.83	4,641.83	4,368.18	31.43	41.83	-29.29	-2,646.97	-5,842.09	7,671.53	7,610.28	61.25	125.255		
6,850.00	6,770.73	4,669.73	4,393.24	31.63	42.17	-27.96	-2,658.69	-5,845.69	7,669.43	7,607.89	61.54	124.617		
6,900.00	6,814.95	4,700.00	4,420.37	31.84	42.54	-27.22	-2,671.54	-5,849.59	7,663.84	7,601.99	61.85	123.903		
6,950.00	6,857.22	4,726.19	4,443.82	32.06	42.86	-26.87	-2,682.70	-5,852.98	7,654.79	7,592.68	62.11	123.246		
7,000.00	6,897.28	4,755.00	4,469.63	32.29	43.22	-26.85	-2,694.91	-5,856.80	7,642.32	7,579.93	62.39	122.501		
7,050.00	6,934.88	4,782.73	4,494.49	32.54	43.56	-27.11	-2,706.61	-5,860.54	7,626.51	7,563.87	62.64	121.748		
7,100.00	6,969.79	4,800.00	4,509.99	32.81	43.78	-27.57	-2,713.86	-5,862.92	7,607.46	7,544.69	62.77	121.191		
7,150.00	7,001.79	4,825.10	4,532.49	33.11	44.10	-28.33	-2,724.43	-5,866.40	7,585.30	7,522.30	62.99	120.413		
7,200.00	7,030.69	4,842.17	4,547.77	33.44	44.32	-29.31	-2,731.65	-5,868.88	7,560.17	7,497.04	63.12	119.770		
7,250.00	7,056.31	4,857.89	4,561.82	33.81	44.52	-30.58	-2,738.33	-5,871.01	7,532.20	7,468.97	63.24	119.110		
7,300.00	7,078.48	4,872.16	4,574.57	34.21	44.70	-32.16	-2,744.41	-5,873.04	7,501.57	7,438.23	63.34	118.430		
7,350.00	7,097.08	4,900.00	4,599.41	34.65	45.06	-34.26	-2,756.35	-5,877.02	7,468.46	7,404.85	63.61	117.406		
7,400.00	7,112.00	4,900.00	4,599.41	35.12	45.06	-36.58	-2,756.35	-5,877.02	7,432.99	7,369.42	63.57	116.924		
7,450.00	7,123.12	4,908.60	4,607.07	35.64	45.17	-39.52	-2,760.05	-5,878.26	7,395.43	7,331.78	63.64	116.198		
7,500.00	7,130.40	4,920.75	4,617.90	36.19	45.34	-43.19	-2,765.26	-5,880.01	7,355.96	7,292.18	63.78	115.342		
7,550.00	7,133.78	4,930.10	4,626.23	36.77	45.46	-47.67	-2,769.28	-5,881.37	7,314.81	7,250.92	63.89	114.491		
7,574.97	7,134.00	4,933.70	4,629.44	37.06	45.51	-50.26	-2,770.82	-5,881.89	7,293.71	7,229.77	63.94	114.066		
7,600.00	7,133.73	4,936.94	4,632.34	37.37	45.55	-50.31	-2,772.22	-5,882.36	7,272.40	7,208.41	63.99	113.643		
7,700.00	7,132.66	4,949.99	4,643.97	38.71	45.72	-50.50	-2,777.81	-5,884.27	7,187.48	7,123.26	64.22	111.911		
7,800.00	7,131.59	4,963.15	4,655.71	40.20	45.89	-50.69	-2,783.44	-5,886.20	7,102.93	7,038.41	64.52	110.091		
7,900.00	7,130.52	4,976.42	4,667.54	41.84	46.07	-50.88	-2,789.12	-5,888.15	7,018.75	6,953.88	64.88	108.185		
8,000.00	7,129.45	5,283.44	4,943.10	43.60	49.80	-55.39	-2,918.61	-5,927.45	6,934.79	6,866.09	68.71	100.932		
8,100.00	7,128.38	8,100.00	4,932.67	45.47	81.39	-55.22	-2,913.69	-5,926.15	6,850.78	6,757.69	93.09	73.596		
8,200.00	7,127.31	5,353.86	5,007.05	47.44	50.56	-56.45	-2,947.00	-5,935.38	6,767.24	6,696.96	70.28	96.294		
8,300.00	7,126.24	5,387.49	5,037.70	49.49	50.91	-56.95	-2,960.33	-5,939.13	6,684.04	6,612.89	71.16	93.934		
8,400.00	7,125.17	5,420.65	5,067.98	51.61	51.27	-57.45	-2,973.33	-5,942.80	6,601.25	6,529.14	72.11	91.544		
8,500.00	7,124.10	8,500.00	5,036.48	53.81	84.08	-56.93	-2,959.71	-5,938.96	6,518.95	6,421.71	97.25	67.036		
8,600.00	7,123.03	8,600.00	5,047.04	56.06	85.14	-57.11	-2,964.34	-5,940.26	6,437.17	6,338.50	98.67	65.240		
8,700.00	7,121.96	5,423.05	5,070.16	58.36	51.29	-57.49	-2,974.28	-5,943.13	6,355.82	6,281.48	74.34	85.501		
8,800.00	7,120.89	5,429.75	5,076.27	60.71	51.36	-57.59	-2,976.89	-5,943.91	6,275.03	6,199.74	75.29	83.343		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	5,436.61	5,082.54	63.10	51.44	-57.69	-2,979.57	-5,944.72	6,194.79	6,118.47	76.32	81.167		
9,000.00	7,118.75	5,443.63	5,088.95	65.53	51.51	-57.80	-2,982.30	-5,945.56	6,115.12	6,037.69	77.43	78.979		
9,100.00	7,117.68	5,450.82	5,095.51	67.98	51.59	-57.91	-2,985.10	-5,946.43	6,036.04	5,957.43	78.61	76.786		
9,200.00	7,116.61	5,458.18	5,102.24	70.47	51.67	-58.02	-2,987.96	-5,947.33	5,957.57	5,877.71	79.86	74.596		
9,300.00	7,115.54	5,465.72	5,109.13	72.98	51.75	-58.13	-2,990.89	-5,948.26	5,879.74	5,798.55	81.20	72.415		
9,400.00	7,114.47	5,473.46	5,116.19	75.52	51.83	-58.25	-2,993.89	-5,949.23	5,802.58	5,719.98	82.60	70.248		
9,500.00	7,113.40	5,481.39	5,123.43	78.08	51.91	-58.37	-2,996.96	-5,950.24	5,726.10	5,642.02	84.08	68.102		
9,600.00	7,112.33	5,500.00	5,140.43	80.65	52.11	-58.65	-3,004.14	-5,952.66	5,650.35	5,564.59	85.77	65.879		
9,700.00	7,111.26	5,500.00	5,140.43	83.25	52.11	-58.65	-3,004.14	-5,952.66	5,575.32	5,488.03	87.29	63.870		
9,800.00	7,110.19	5,500.00	5,140.43	85.86	52.11	-58.65	-3,004.14	-5,952.66	5,501.08	5,412.20	88.88	61.891		
9,900.00	7,109.12	5,515.92	5,154.97	88.48	52.29	-58.89	-3,010.28	-5,954.78	5,427.64	5,336.88	90.75	59.805		
10,000.00	7,108.04	5,525.20	5,163.44	91.12	52.40	-59.03	-3,013.86	-5,956.02	5,355.04	5,262.43	92.61	57.823		
10,100.00	7,106.97	5,534.61	5,172.03	93.77	52.50	-59.17	-3,017.49	-5,957.29	5,283.31	5,188.76	94.54	55.884		
10,200.00	7,105.90	5,544.15	5,180.73	96.43	52.61	-59.32	-3,021.17	-5,958.59	5,212.48	5,115.94	96.54	53.990		
10,300.00	7,104.83	5,742.82	5,363.98	99.10	54.68	-62.34	-3,092.42	-5,986.59	5,142.26	5,041.15	101.11	50.859		
10,400.00	7,103.76	5,749.84	5,370.53	101.78	54.75	-62.45	-3,094.74	-5,987.65	5,072.83	4,969.57	103.25	49.131		
10,500.00	7,102.69	5,757.02	5,377.22	104.47	54.82	-62.56	-3,097.10	-5,988.73	5,004.40	4,898.93	105.47	47.449		
10,600.00	7,101.62	5,764.36	5,384.05	107.16	54.89	-62.67	-3,099.53	-5,989.85	4,937.03	4,829.27	107.76	45.815		
10,700.00	7,100.55	5,771.86	5,391.03	109.87	54.96	-62.78	-3,102.01	-5,991.01	4,870.76	4,760.63	110.13	44.229		
10,800.00	7,099.48	5,800.00	5,417.20	112.58	55.24	-63.21	-3,111.37	-5,995.48	4,805.72	4,692.88	112.84	42.589		
10,900.00	7,098.41	5,800.00	5,417.20	115.29	55.24	-63.21	-3,111.37	-5,995.48	4,741.72	4,626.47	115.26	41.141		
11,000.00	7,097.34	5,800.00	5,417.20	118.02	55.24	-63.21	-3,111.37	-5,995.48	4,678.99	4,561.25	117.74	39.739		
11,100.00	7,096.27	5,815.88	5,431.95	120.74	55.40	-63.45	-3,116.64	-5,998.06	4,617.56	4,497.04	120.52	38.314		
11,200.00	7,095.20	5,853.33	5,466.81	123.48	55.78	-64.03	-3,128.88	-6,004.21	4,557.38	4,433.71	123.67	36.851		
11,300.00	7,094.13	5,891.96	5,502.84	126.22	56.17	-64.62	-3,141.21	-6,010.68	4,498.48	4,371.56	126.92	35.443		
11,400.00	7,093.06	11,400.00	5,496.20	128.96	112.44	-64.51	-3,138.82	-6,009.52	4,440.92	4,282.93	157.99	28.109		
11,500.00	7,091.99	11,500.00	5,511.74	131.71	113.47	-64.77	-3,144.22	-6,012.28	4,384.94	4,223.60	161.34	27.178		
11,600.00	7,090.92	5,925.74	5,534.38	134.46	56.52	-65.14	-3,151.84	-6,016.48	4,330.37	4,194.38	135.99	31.843		
11,700.00	7,089.85	5,935.44	5,543.42	137.21	56.62	-65.29	-3,154.90	-6,018.19	4,277.47	4,138.33	139.14	30.743		
11,800.00	7,088.78	5,945.41	5,552.71	139.97	56.73	-65.44	-3,158.05	-6,019.99	4,226.23	4,083.86	142.36	29.687		
11,900.00	7,087.71	5,955.68	5,562.26	142.73	56.83	-65.60	-3,161.30	-6,021.85	4,176.71	4,031.04	145.66	28.674		
12,000.00	7,086.64	5,966.24	5,572.09	145.50	56.94	-65.76	-3,164.65	-6,023.81	4,128.97	3,979.93	149.03	27.705		
12,100.00	7,085.57	5,977.12	5,582.20	148.26	57.06	-65.93	-3,168.11	-6,025.85	4,083.07	3,930.59	152.48	26.778		
12,200.00	7,084.50	6,000.00	5,603.44	151.03	57.30	-66.28	-3,175.40	-6,030.23	4,039.11	3,882.92	156.18	25.861		
12,300.00	7,083.43	6,000.00	5,603.44	153.81	57.30	-66.28	-3,175.40	-6,030.23	3,997.05	3,837.46	159.58	25.047		
12,400.00	7,082.36	6,000.00	5,603.44	156.58	57.30	-66.28	-3,175.40	-6,030.23	3,957.07	3,794.04	163.03	24.271		
12,500.00	7,081.29	6,000.00	5,603.44	159.36	57.30	-66.28	-3,175.40	-6,030.23	3,919.24	3,752.70	166.53	23.534		
12,600.00	7,080.22	6,000.00	5,603.44	162.14	57.30	-66.28	-3,175.40	-6,030.23	3,883.61	3,713.54	170.07	22.835		
12,700.00	7,079.15	6,031.24	5,632.34	164.92	57.67	-66.76	-3,185.54	-6,036.39	3,849.93	3,675.72	174.22	22.098		
12,800.00	7,078.08	6,039.32	5,639.80	167.71	57.77	-66.88	-3,188.22	-6,038.00	3,818.72	3,640.73	177.99	21.455		
12,900.00	7,077.01	6,047.51	5,647.33	170.49	57.87	-67.01	-3,190.95	-6,039.64	3,789.84	3,608.04	181.80	20.847		
13,000.00	7,075.93	6,055.79	5,654.95	173.28	57.97	-67.13	-3,193.74	-6,041.32	3,763.35	3,577.73	185.63	20.274		
13,100.00	7,074.86	6,064.19	5,662.66	176.07	58.07	-67.26	-3,196.59	-6,043.03	3,739.31	3,549.84	189.47	19.735		
13,200.00	7,073.79	6,072.69	5,670.46	178.86	58.17	-67.39	-3,199.49	-6,044.76	3,717.75	3,524.43	193.33	19.230		
13,300.00	7,072.72	6,100.00	5,695.43	181.65	58.50	-67.81	-3,208.99	-6,050.42	3,698.84	3,501.27	197.57	18.721		
13,400.00	7,071.65	13,400.00	5,732.06	184.45	150.57	-68.43	-3,222.41	-6,058.62	3,682.09	3,432.68	249.41	14.763		
13,500.00	7,070.58	13,500.00	5,751.13	187.25	151.84	-68.75	-3,229.40	-6,062.90	3,667.92	3,412.37	255.55	14.353 SF		
13,600.00	7,069.51	6,260.24	5,843.26	190.04	60.36	-70.29	-3,262.00	-6,082.20	3,656.00	3,444.04	211.95	17.249		
13,700.00	7,068.44	6,281.72	5,863.29	192.84	60.59	-70.62	-3,268.90	-6,085.70	3,646.57	3,430.54	216.03	16.880		
13,800.00	7,067.37	6,300.35	5,880.70	195.64	60.78	-70.91	-3,274.88	-6,088.52	3,639.78	3,419.79	220.00	16.545		
13,900.00	7,066.30	6,311.07	5,890.74	198.44	60.88	-71.08	-3,278.33	-6,090.09	3,635.68	3,411.96	223.72	16.251		
14,000.00	7,065.23	6,321.92	5,900.88	201.24	60.99	-71.25	-3,281.83	-6,091.68	3,634.27	3,406.92	227.35	15.985		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,001.90	7,065.21	6,322.13	5,901.08	201.30	60.99	-71.25	-3,281.90	-6,091.71	3,634.27	3,406.85	227.42	15.981	CC	
14,100.00	7,064.16	6,332.76	5,911.02	204.05	61.09	-71.42	-3,285.34	-6,093.27	3,635.57	3,404.69	230.88	15.746	ES	
14,200.00	7,063.09	6,343.60	5,921.14	206.85	61.19	-71.58	-3,288.86	-6,094.85	3,639.58	3,405.27	234.31	15.533		
14,300.00	7,062.02	6,354.43	5,931.26	209.66	61.30	-71.75	-3,292.38	-6,096.44	3,646.28	3,408.66	237.62	15.345		
14,400.00	7,060.95	6,365.25	5,941.36	212.46	61.40	-71.92	-3,295.92	-6,098.02	3,655.66	3,414.87	240.80	15.182		
14,500.00	7,059.88	6,376.06	5,951.45	215.27	61.50	-72.09	-3,299.46	-6,099.60	3,667.71	3,423.87	243.84	15.042		
14,600.00	7,058.81	6,386.87	5,961.53	218.08	61.61	-72.26	-3,303.02	-6,101.18	3,682.38	3,435.64	246.74	14.924		
14,700.00	7,057.74	6,400.00	5,973.79	220.89	61.73	-72.46	-3,307.35	-6,103.09	3,699.66	3,450.11	249.55	14.825		
14,800.00	7,056.67	6,400.00	5,973.79	223.70	61.73	-72.46	-3,307.35	-6,103.09	3,719.52	3,467.63	251.89	14.766		
14,900.00	7,055.60	6,416.25	5,988.93	226.51	61.89	-72.72	-3,312.73	-6,105.43	3,741.89	3,487.41	254.47	14.704		
15,000.00	7,054.53	6,424.99	5,997.08	229.32	61.97	-72.85	-3,315.64	-6,106.66	3,766.75	3,510.04	256.72	14.673		
15,100.00	7,053.46	6,433.48	6,005.00	232.14	62.05	-72.99	-3,318.47	-6,107.84	3,794.06	3,535.27	258.80	14.660		
15,200.00	7,052.39	6,441.73	6,012.69	234.95	62.12	-73.11	-3,321.23	-6,108.96	3,823.76	3,563.05	260.71	14.667		
15,300.00	7,051.32	6,449.75	6,020.17	237.76	62.20	-73.24	-3,323.92	-6,110.05	3,855.80	3,593.33	262.47	14.690		
15,400.00	7,050.25	6,457.54	6,027.44	240.58	62.27	-73.36	-3,326.55	-6,111.08	3,890.12	3,626.04	264.07	14.731		
15,500.00	7,049.18	6,465.13	6,034.51	243.39	62.35	-73.48	-3,329.10	-6,112.07	3,926.66	3,661.13	265.52	14.788		
15,600.00	7,048.11	6,472.51	6,041.40	246.21	62.41	-73.59	-3,331.60	-6,113.03	3,965.35	3,698.53	266.83	14.861		
15,703.32	7,047.00	6,479.94	6,048.32	249.12	62.48	-73.71	-3,334.11	-6,113.97	4,007.54	3,739.52	268.02	14.952		
15,703.90	7,046.99	6,479.98	6,048.36	249.13	62.48	-73.71	-3,334.13	-6,113.98	4,007.79	3,739.76	268.03	14.953		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	23.59	2,286.02	998.44	2,494.61					
100.00	100.00	79.33	79.33	3.28	3.28	23.59	2,286.03	998.51	2,494.59	2,488.02	6.57	379.746		
200.00	200.00	179.72	179.72	3.34	3.33	23.60	2,286.08	998.69	2,494.70	2,488.04	6.66	374.372		
300.00	300.00	278.61	278.61	3.44	3.42	23.60	2,286.13	998.82	2,494.81	2,487.94	6.87	363.260		
400.00	399.98	377.11	377.11	3.60	3.57	-43.09	2,286.29	998.88	2,493.70	2,486.53	7.17	347.892		
500.00	499.84	475.76	475.76	3.80	3.75	-43.23	2,286.58	998.75	2,490.10	2,482.54	7.56	329.585		
600.00	599.45	572.35	572.35	4.05	3.97	-43.45	2,286.97	998.57	2,484.04	2,476.03	8.01	309.933		
700.00	698.70	672.84	672.83	4.32	4.23	-43.78	2,287.52	998.23	2,475.56	2,467.01	8.55	289.533		
740.00	738.27	713.83	713.83	4.45	4.34	-43.94	2,287.73	998.04	2,471.44	2,462.66	8.78	281.339		
800.00	797.57	775.69	775.69	4.63	4.52	-44.10	2,288.01	997.71	2,464.93	2,455.78	9.15	269.415		
900.00	896.39	874.43	874.42	4.96	4.82	-44.36	2,288.39	997.15	2,454.04	2,444.26	9.78	250.953		
1,000.00	995.21	971.43	971.42	5.32	5.13	-44.62	2,288.77	996.75	2,443.26	2,432.82	10.44	234.009		
1,100.00	1,094.03	1,312.09	1,311.56	5.69	6.38	-45.36	2,273.89	996.87	2,430.04	2,418.06	11.98	202.843		
1,200.00	1,192.86	1,495.49	1,493.66	6.07	7.20	-45.69	2,252.14	995.11	2,408.07	2,395.05	13.02	184.932		
1,300.00	1,291.68	1,814.27	1,806.14	6.47	9.00	-45.98	2,189.99	995.68	2,379.00	2,364.38	14.61	162.780		
1,400.00	1,390.50	1,924.18	1,912.64	6.88	9.71	-46.00	2,162.82	996.84	2,346.04	2,330.57	15.46	151.707		
1,500.00	1,489.33	2,076.21	2,059.18	7.29	10.72	-45.98	2,122.46	999.76	2,311.87	2,295.37	16.49	140.166		
1,600.00	1,588.15	2,223.74	2,200.31	7.71	11.76	-45.94	2,079.53	1,001.39	2,274.92	2,257.42	17.51	129.934		
1,700.00	1,686.97	2,459.15	2,422.00	8.14	13.61	-45.84	2,000.54	1,001.27	2,232.93	2,214.11	18.82	118.651		
1,800.00	1,785.79	2,722.60	2,663.55	8.57	16.06	-45.49	1,895.69	1,001.69	2,187.03	2,166.80	20.23	108.106		
1,900.00	1,884.62	2,809.76	2,741.76	9.01	16.97	-45.32	1,857.24	1,001.45	2,136.22	2,115.14	21.09	101.302		
2,000.00	1,983.44	2,842.80	2,771.68	9.45	17.26	-45.27	1,843.21	1,001.28	2,086.62	2,064.84	21.78	95.798		
2,100.00	2,082.26	2,900.00	2,824.11	9.89	17.80	-45.19	1,820.34	1,001.08	2,039.19	2,016.63	22.56	90.380		
2,200.00	2,181.09	3,028.59	2,941.54	10.33	18.97	-44.99	1,767.99	1,000.38	1,991.50	1,967.97	23.54	84.616		
2,300.00	2,279.91	3,100.00	3,006.40	10.78	19.65	-44.87	1,738.12	999.92	1,942.67	1,918.29	24.38	79.683		
2,400.00	2,378.73	3,158.97	3,060.30	11.23	20.16	-44.78	1,714.20	999.34	1,894.87	1,869.67	25.19	75.210		
2,500.00	2,477.55	3,232.06	3,127.73	11.68	20.79	-44.71	1,686.03	998.00	1,848.46	1,822.42	26.04	70.987		
2,600.00	2,576.38	3,336.60	3,223.97	12.13	21.66	-44.60	1,645.30	995.67	1,801.58	1,774.64	26.94	66.869		
2,700.00	2,675.20	3,415.92	3,297.01	12.59	22.32	-44.54	1,614.45	993.28	1,754.53	1,726.73	27.80	63.111		
2,800.00	2,774.02	3,473.15	3,350.01	13.04	22.77	-44.50	1,592.91	991.72	1,708.68	1,680.04	28.64	59.661		
2,900.00	2,872.85	3,547.95	3,419.68	13.50	23.35	-44.44	1,565.72	990.34	1,664.24	1,634.73	29.51	56.398		
3,000.00	2,971.67	3,636.41	3,502.02	13.96	24.02	-44.33	1,533.39	989.54	1,620.01	1,589.60	30.40	53.281		
3,100.00	3,070.49	3,728.85	3,588.04	14.41	24.73	-44.20	1,499.54	989.04	1,575.85	1,544.53	31.31	50.323		
3,200.00	3,169.31	3,834.53	3,685.91	14.87	25.56	-43.98	1,459.70	989.43	1,531.06	1,498.81	32.25	47.477		
3,300.00	3,268.14	3,941.99	3,784.90	15.33	26.45	-43.71	1,417.88	989.99	1,485.28	1,452.08	33.19	44.747		
3,400.00	3,366.96	4,050.69	3,884.30	15.79	27.38	-43.36	1,373.92	991.05	1,438.32	1,404.18	34.14	42.127		
3,500.00	3,465.78	4,139.36	3,965.18	16.25	28.14	-43.08	1,337.57	990.82	1,390.47	1,355.38	35.09	39.626		
3,600.00	3,564.61	4,217.42	4,036.83	16.72	28.80	-42.90	1,306.62	989.60	1,343.33	1,307.29	36.04	37.275		
3,700.00	3,663.43	4,318.82	4,129.85	17.18	29.64	-42.66	1,266.32	987.52	1,295.95	1,259.01	36.94	35.082		
3,800.00	3,762.25	4,398.44	4,202.92	17.64	30.31	-42.46	1,234.71	985.75	1,248.55	1,210.66	37.89	32.949		
3,900.00	3,861.07	4,491.00	4,287.87	18.10	31.08	-42.22	1,198.03	983.51	1,201.16	1,162.34	38.81	30.946		
4,000.00	3,959.90	4,617.49	4,402.94	18.57	32.19	-41.86	1,145.69	979.53	1,151.92	1,112.31	39.60	29.088		
4,100.00	4,058.72	4,698.48	4,476.23	19.03	32.93	-41.60	1,111.36	976.52	1,101.67	1,061.10	40.57	27.153		
4,200.00	4,157.54	4,768.63	4,540.07	19.50	33.54	-41.39	1,082.42	973.70	1,052.32	1,010.71	41.60	25.293		
4,300.00	4,256.37	4,837.25	4,603.05	19.96	34.11	-41.22	1,055.35	970.75	1,004.43	961.78	42.65	23.551		
4,400.00	4,355.19	4,905.80	4,666.50	20.43	34.65	-41.05	1,029.51	968.35	958.34	914.64	43.71	21.927		
4,500.00	4,454.01	4,982.62	4,738.02	20.89	35.22	-40.82	1,001.53	966.37	913.76	869.04	44.73	20.430		
4,600.00	4,552.83	5,059.84	4,810.25	21.36	35.76	-40.57	974.27	964.92	870.44	824.68	45.76	19.023		
4,700.00	4,651.66	5,132.29	4,878.42	21.82	36.24	-40.34	949.78	963.81	828.62	781.79	46.82	17.697		
4,800.00	4,750.48	5,200.00	4,942.72	22.29	36.66	-40.12	928.57	963.44	789.30	741.39	47.91	16.473		
4,900.00	4,849.30	5,263.49	5,003.68	22.76	36.99	-39.96	910.83	963.46	753.17	704.19	48.98	15.377		
5,000.00	4,948.13	5,332.70	5,070.91	23.22	37.31	-39.89	894.41	963.48	720.63	670.66	49.96	14.424		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,408.93	5,145.53	23.69	37.62	-39.92	878.84	963.35	690.88	640.02	50.86	13.583		
5,200.00	5,145.77	5,488.89	5,224.26	24.16	37.92	-40.08	864.90	962.93	663.57	611.87	51.70	12.835		
5,300.00	5,244.59	5,572.63	5,307.07	24.62	38.20	-40.38	852.49	962.24	638.43	585.94	52.49	12.163		
5,400.00	5,343.42	5,661.40	5,395.10	25.09	38.48	-40.80	841.11	961.40	614.99	561.74	53.24	11.551		
5,500.00	5,442.24	5,751.00	5,484.11	25.56	38.76	-41.34	830.93	960.20	592.71	538.75	53.96	10.983		
5,600.00	5,541.06	5,838.70	5,571.40	26.03	39.02	-42.01	822.54	958.72	571.95	517.30	54.65	10.465		
5,700.00	5,639.89	5,927.23	5,659.66	26.50	39.27	-42.83	815.96	957.08	553.11	497.80	55.30	10.001		
5,800.00	5,738.71	6,020.55	5,752.79	26.96	39.53	-43.82	810.30	955.09	535.53	479.58	55.95	9.572		
5,900.00	5,837.53	6,113.51	5,845.61	27.43	39.79	-44.94	805.62	952.93	519.01	462.44	56.57	9.174		
6,000.00	5,936.35	6,205.00	5,937.01	27.90	40.04	-46.16	802.20	950.71	503.88	446.71	57.17	8.814		
6,100.00	6,035.18	6,290.25	6,022.21	28.37	40.27	-47.47	800.94	948.40	491.00	433.33	57.68	8.513		
6,200.00	6,134.00	6,379.52	6,111.45	28.84	40.51	-48.95	801.70	946.20	480.74	422.57	58.18	8.263		
6,300.00	6,232.82	6,477.69	6,209.60	29.31	40.78	-50.57	803.43	944.64	472.01	413.21	58.80	8.027		
6,400.00	6,331.64	6,581.95	6,313.83	29.77	41.07	-52.37	804.62	942.75	463.04	403.51	59.53	7.779		
6,477.15	6,407.89	6,652.95	6,384.81	30.14	41.27	-53.63	805.15	941.43	456.11	396.14	59.97	7.606		
6,500.00	6,430.52	6,673.21	6,405.07	30.24	41.33	-47.57	805.50	941.16	454.45	394.35	60.09	7.563		
6,550.00	6,480.31	6,722.04	6,453.89	30.46	41.46	-12.38	806.63	940.67	451.88	391.44	60.44	7.476		
6,600.00	6,530.22	6,777.28	6,509.12	30.66	41.62	56.18	807.49	940.04	449.92	389.01	60.91	7.386		
6,650.00	6,579.93	6,830.23	6,562.05	30.85	41.77	81.59	807.77	939.37	448.46	387.09	61.38	7.307		
6,699.70	6,628.84	6,880.84	6,612.67	31.04	41.92	91.10	807.76	938.94	447.92	386.06	61.86	7.241 CC		
6,700.00	6,629.13	6,881.15	6,612.97	31.04	41.92	91.14	807.76	938.94	447.92	386.06	61.86	7.240 ES		
6,750.00	6,677.53	6,928.65	6,660.47	31.23	42.05	96.58	807.63	938.69	448.66	386.29	62.36	7.194		
6,800.00	6,724.83	6,973.69	6,705.51	31.43	42.18	100.47	807.76	938.31	451.26	388.36	62.90	7.174 SF		
6,850.00	6,770.73	7,018.14	6,749.96	31.63	42.31	103.68	808.17	937.79	456.06	392.55	63.51	7.181		
6,900.00	6,814.95	7,062.01	6,793.82	31.84	42.44	106.50	808.75	937.09	463.24	399.06	64.19	7.217		
6,950.00	6,857.22	7,104.23	6,836.03	32.06	42.56	108.99	809.46	936.23	473.11	408.18	64.93	7.287		
7,000.00	6,897.28	7,144.46	6,876.23	32.29	42.68	111.15	810.25	935.27	485.94	420.22	65.71	7.395		
7,050.00	6,934.88	7,182.51	6,914.26	32.54	42.79	112.95	811.10	934.25	501.94	435.41	66.53	7.544		
7,100.00	6,969.79	7,217.79	6,949.51	32.81	42.89	114.32	811.98	933.22	521.27	453.92	67.35	7.739		
7,150.00	7,001.79	7,250.01	6,981.71	33.11	42.99	115.18	812.86	932.26	544.01	475.85	68.16	7.981		
7,200.00	7,030.69	7,279.22	7,010.95	33.44	43.07	115.50	813.72	931.39	570.13	501.20	68.94	8.270		
7,250.00	7,056.31	7,305.77	7,037.42	33.81	43.15	115.22	814.56	930.60	599.49	529.82	69.66	8.606		
7,300.00	7,078.48	7,330.22	7,061.84	34.21	43.22	114.34	815.36	929.81	631.83	561.50	70.33	8.984		
7,350.00	7,097.08	7,351.27	7,082.87	34.65	43.29	112.65	816.07	929.07	666.89	595.96	70.93	9.402		
7,400.00	7,112.00	7,350.00	7,081.60	35.12	43.28	107.86	816.03	929.12	704.61	633.21	71.40	9.869		
7,450.00	7,123.12	7,350.00	7,081.60	35.64	43.28	102.21	816.03	929.12	744.61	672.81	71.81	10.370		
7,500.00	7,130.40	7,350.00	7,081.60	36.19	43.28	95.59	816.03	929.12	786.33	714.16	72.17	10.895		
7,550.00	7,133.78	7,350.00	7,081.60	36.77	43.28	88.09	816.03	929.12	829.27	756.77	72.50	11.438		
7,574.97	7,134.00	7,350.00	7,081.60	37.06	43.28	84.10	816.03	929.12	851.04	778.39	72.65	11.714		
7,600.00	7,133.73	7,350.00	7,081.60	37.37	43.28	84.10	816.03	929.12	873.02	800.22	72.80	11.992		
7,700.00	7,132.66	7,350.00	7,081.60	38.71	43.28	84.10	816.03	929.12	962.34	889.04	73.30	13.129		
7,800.00	7,131.59	7,350.00	7,081.60	40.20	43.28	84.10	816.03	929.12	1,053.58	979.88	73.70	14.296		
7,900.00	7,130.52	7,350.00	7,081.60	41.84	43.28	84.10	816.03	929.12	1,146.28	1,072.26	74.02	15.486		
8,000.00	7,129.45	7,350.00	7,081.60	43.60	43.28	84.10	816.03	929.12	1,240.11	1,165.83	74.28	16.695		
8,100.00	7,128.38	7,350.00	7,081.60	45.47	43.28	84.10	816.03	929.12	1,334.84	1,260.34	74.50	17.917		
8,200.00	7,127.31	7,350.00	7,081.60	47.44	43.28	84.10	816.03	929.12	1,430.29	1,355.60	74.69	19.150		
8,300.00	7,126.24	7,350.00	7,081.60	49.49	43.28	84.10	816.03	929.12	1,526.32	1,451.47	74.85	20.392		
8,400.00	7,125.17	7,350.00	7,081.60	51.61	43.28	84.10	816.03	929.12	1,622.83	1,547.84	74.99	21.641		
8,500.00	7,124.10	7,350.00	7,081.60	53.81	43.28	84.10	816.03	929.12	1,719.74	1,644.63	75.11	22.896		
8,600.00	7,123.03	7,350.00	7,081.60	56.06	43.28	84.10	816.03	929.12	1,816.99	1,741.77	75.22	24.156		
8,700.00	7,121.96	7,350.00	7,081.60	58.36	43.28	84.10	816.03	929.12	1,914.52	1,839.20	75.32	25.420		
8,800.00	7,120.89	7,350.00	7,081.60	60.71	43.28	84.10	816.03	929.12	2,012.29	1,936.88	75.40	26.687		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,350.00	7,081.60	63.10	43.28	84.10	816.03	929.12	2,110.27	2,034.78	75.48	27.956		
9,000.00	7,118.75	7,350.00	7,081.60	65.53	43.28	84.10	816.03	929.12	2,208.43	2,132.87	75.56	29.228		
9,100.00	7,117.68	7,350.00	7,081.60	67.98	43.28	84.10	816.03	929.12	2,306.75	2,231.12	75.63	30.501		
9,200.00	7,116.61	7,350.00	7,081.60	70.47	43.28	84.10	816.03	929.12	2,405.20	2,329.51	75.69	31.775		
9,300.00	7,115.54	7,350.00	7,081.60	72.98	43.28	84.10	816.03	929.12	2,503.78	2,428.03	75.76	33.050		
9,400.00	7,114.47	7,350.00	7,081.60	75.52	43.28	84.10	816.03	929.12	2,602.47	2,526.66	75.82	34.326		
9,500.00	7,113.40	7,350.00	7,081.60	78.08	43.28	84.10	816.03	929.12	2,701.26	2,625.38	75.87	35.602		
9,600.00	7,112.33	7,350.00	7,081.60	80.65	43.28	84.10	816.03	929.12	2,800.13	2,724.20	75.93	36.879		
9,700.00	7,111.26	7,350.00	7,081.60	83.25	43.28	84.10	816.03	929.12	2,899.08	2,823.10	75.98	38.155		
9,800.00	7,110.19	7,350.00	7,081.60	85.86	43.28	84.10	816.03	929.12	2,998.09	2,922.06	76.03	39.431		
9,900.00	7,109.12	7,350.00	7,081.60	88.48	43.28	84.10	816.03	929.12	3,097.18	3,021.09	76.08	40.707		
10,000.00	7,108.04	7,350.00	7,081.60	91.12	43.28	84.10	816.03	929.12	3,196.31	3,120.18	76.13	41.983		
10,100.00	7,106.97	7,350.00	7,081.60	93.77	43.28	84.10	816.03	929.12	3,295.51	3,219.32	76.18	43.257		
10,200.00	7,105.90	7,350.00	7,081.60	96.43	43.28	84.10	816.03	929.12	3,394.74	3,318.51	76.23	44.531		
10,300.00	7,104.83	7,350.00	7,081.60	99.10	43.28	84.10	816.03	929.12	3,494.02	3,417.74	76.28	45.804		
10,400.00	7,103.76	7,350.00	7,081.60	101.78	43.28	84.10	816.03	929.12	3,593.35	3,517.02	76.33	47.076		
10,500.00	7,102.69	7,350.00	7,081.60	104.47	43.28	84.10	816.03	929.12	3,692.70	3,616.33	76.38	48.347		
10,600.00	7,101.62	7,350.00	7,081.60	107.16	43.28	84.10	816.03	929.12	3,792.10	3,715.67	76.43	49.617		
10,700.00	7,100.55	7,350.00	7,081.60	109.87	43.28	84.10	816.03	929.12	3,891.52	3,815.04	76.48	50.886		
10,800.00	7,099.48	7,350.00	7,081.60	112.58	43.28	84.10	816.03	929.12	3,990.97	3,914.45	76.52	52.153		
10,900.00	7,098.41	7,350.00	7,081.60	115.29	43.28	84.10	816.03	929.12	4,090.45	4,013.88	76.57	53.419		
11,000.00	7,097.34	7,350.00	7,081.60	118.02	43.28	84.10	816.03	929.12	4,189.95	4,113.33	76.62	54.683		
11,100.00	7,096.27	7,350.00	7,081.60	120.74	43.28	84.10	816.03	929.12	4,289.48	4,212.81	76.67	55.946		
11,200.00	7,095.20	7,350.00	7,081.60	123.48	43.28	84.10	816.03	929.12	4,389.03	4,312.30	76.72	57.207		
11,300.00	7,094.13	7,350.00	7,081.60	126.22	43.28	84.10	816.03	929.12	4,488.59	4,411.82	76.77	58.466		
11,400.00	7,093.06	7,350.00	7,081.60	128.96	43.28	84.10	816.03	929.12	4,588.18	4,511.36	76.82	59.724		
11,500.00	7,091.99	7,350.00	7,081.60	131.71	43.28	84.10	816.03	929.12	4,687.79	4,610.91	76.87	60.979		
11,600.00	7,090.92	7,350.00	7,081.60	134.46	43.28	84.10	816.03	929.12	4,787.41	4,710.48	76.93	62.233		
11,700.00	7,089.85	7,350.00	7,081.60	137.21	43.28	84.10	816.03	929.12	4,887.04	4,810.06	76.98	63.485		
11,800.00	7,088.78	7,350.00	7,081.60	139.97	43.28	84.10	816.03	929.12	4,986.69	4,909.66	77.03	64.735		
11,900.00	7,087.71	7,350.00	7,081.60	142.73	43.28	84.10	816.03	929.12	5,086.36	5,009.27	77.09	65.983		
12,000.00	7,086.64	7,350.00	7,081.60	145.50	43.28	84.10	816.03	929.12	5,186.04	5,108.90	77.14	67.228		
12,100.00	7,085.57	7,350.00	7,081.60	148.26	43.28	84.10	816.03	929.12	5,285.73	5,208.53	77.20	68.472		
12,200.00	7,084.50	7,350.00	7,081.60	151.03	43.28	84.10	816.03	929.12	5,385.43	5,308.18	77.25	69.713		
12,300.00	7,083.43	7,350.00	7,081.60	153.81	43.28	84.10	816.03	929.12	5,485.14	5,407.83	77.31	70.952		
12,400.00	7,082.36	7,350.00	7,081.60	156.58	43.28	84.10	816.03	929.12	5,584.86	5,507.50	77.37	72.188		
12,500.00	7,081.29	7,350.00	7,081.60	159.36	43.28	84.10	816.03	929.12	5,684.59	5,607.17	77.42	73.423		
12,600.00	7,080.22	7,350.00	7,081.60	162.14	43.28	84.10	816.03	929.12	5,784.34	5,706.85	77.48	74.654		
12,700.00	7,079.15	7,350.00	7,081.60	164.92	43.28	84.10	816.03	929.12	5,884.09	5,806.55	77.54	75.884		
12,800.00	7,078.08	7,350.00	7,081.60	167.71	43.28	84.10	816.03	929.12	5,983.84	5,906.24	77.60	77.111		
12,900.00	7,077.01	7,350.00	7,081.60	170.49	43.28	84.10	816.03	929.12	6,083.61	6,005.95	77.66	78.335		
13,000.00	7,075.93	7,350.00	7,081.60	173.28	43.28	84.10	816.03	929.12	6,183.39	6,105.66	77.72	79.557		
13,100.00	7,074.86	7,350.00	7,081.60	176.07	43.28	84.10	816.03	929.12	6,283.17	6,205.38	77.79	80.776		
13,200.00	7,073.79	7,350.00	7,081.60	178.86	43.28	84.10	816.03	929.12	6,382.95	6,305.11	77.85	81.993		
13,300.00	7,072.72	7,350.00	7,081.60	181.65	43.28	84.10	816.03	929.12	6,482.75	6,404.84	77.91	83.206		
13,400.00	7,071.65	7,350.00	7,081.60	184.45	43.28	84.10	816.03	929.12	6,582.55	6,504.57	77.98	84.417		
13,500.00	7,070.58	7,350.00	7,081.60	187.25	43.28	84.10	816.03	929.12	6,682.36	6,604.32	78.04	85.626		
13,600.00	7,069.51	7,350.00	7,081.60	190.04	43.28	84.10	816.03	929.12	6,782.17	6,704.06	78.11	86.831		
13,700.00	7,068.44	7,350.00	7,081.60	192.84	43.28	84.10	816.03	929.12	6,881.99	6,803.81	78.17	88.034		
13,800.00	7,067.37	7,350.00	7,081.60	195.64	43.28	84.10	816.03	929.12	6,981.81	6,903.57	78.24	89.234		
13,900.00	7,066.30	7,350.00	7,081.60	198.44	43.28	84.10	816.03	929.12	7,081.64	7,003.33	78.31	90.431		
14,000.00	7,065.23	7,350.00	7,081.60	201.24	43.28	84.10	816.03	929.12	7,181.47	7,103.09	78.38	91.625		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC #31-5D - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,100.00	7,064.16	7,350.00	7,081.60	204.05	43.28	84.10	816.03	929.12	7,281.31	7,202.86	78.45	92.816	
14,200.00	7,063.09	7,350.00	7,081.60	206.85	43.28	84.10	816.03	929.12	7,381.15	7,302.63	78.52	94.004	
14,300.00	7,062.02	7,350.00	7,081.60	209.66	43.28	84.10	816.03	929.12	7,481.00	7,402.41	78.59	95.189	
14,400.00	7,060.95	7,350.00	7,081.60	212.46	43.28	84.10	816.03	929.12	7,580.85	7,502.18	78.66	96.371	
14,500.00	7,059.88	7,350.00	7,081.60	215.27	43.28	84.10	816.03	929.12	7,680.70	7,601.96	78.74	97.550	
14,600.00	7,058.81	7,350.00	7,081.60	218.08	43.28	84.10	816.03	929.12	7,780.56	7,701.75	78.81	98.726	
14,700.00	7,057.74	7,350.00	7,081.60	220.89	43.28	84.10	816.03	929.12	7,880.42	7,801.54	78.88	99.899	
14,800.00	7,056.67	7,350.00	7,081.60	223.70	43.28	84.10	816.03	929.12	7,980.28	7,901.33	78.96	101.069	
14,900.00	7,055.60	7,350.00	7,081.60	226.51	43.28	84.10	816.03	929.12	8,080.15	8,001.12	79.03	102.235	
15,000.00	7,054.53	7,350.00	7,081.60	229.32	43.28	84.10	816.03	929.12	8,180.02	8,100.91	79.11	103.399	
15,100.00	7,053.46	7,350.00	7,081.60	232.14	43.28	84.10	816.03	929.12	8,279.90	8,200.71	79.19	104.559	
15,200.00	7,052.39	7,350.00	7,081.60	234.95	43.28	84.10	816.03	929.12	8,379.78	8,300.51	79.27	105.716	
15,300.00	7,051.32	7,350.00	7,081.60	237.76	43.28	84.10	816.03	929.12	8,479.66	8,400.31	79.35	106.869	
15,400.00	7,050.25	7,350.00	7,081.60	240.58	43.28	84.10	816.03	929.12	8,579.54	8,500.11	79.43	108.020	
15,500.00	7,049.18	7,350.00	7,081.60	243.39	43.28	84.10	816.03	929.12	8,679.43	8,599.92	79.51	109.167	
15,600.00	7,048.11	7,350.00	7,081.60	246.21	43.28	84.10	816.03	929.12	8,779.31	8,699.73	79.59	110.311	
15,703.32	7,047.00	7,350.00	7,081.60	249.12	43.28	84.10	816.03	929.12	8,882.52	8,802.85	79.67	111.489	
15,703.90	7,046.99	7,350.00	7,081.60	249.13	43.28	84.10	816.03	929.12	8,883.10	8,803.43	79.67	111.496	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	2,165.57	2,065.46	3.28	27.44	93.72	-334.68	5,153.00	5,580.37					
100.00	100.00	2,226.32	2,119.92	3.28	28.83	93.55	-318.14	5,131.76	5,542.63	5,521.20	21.43	258.663		
200.00	200.00	2,265.85	2,155.32	3.34	29.72	93.43	-306.72	5,118.38	5,505.74	5,483.74	22.01	250.174		
300.00	300.00	2,314.77	2,199.08	3.44	30.81	93.27	-291.83	5,102.39	5,469.78	5,447.01	22.77	240.247		
400.00	399.98	2,562.38	2,422.35	3.60	36.28	26.33	-227.42	5,017.05	5,431.52	5,405.48	26.04	208.581		
500.00	499.84	500.00	2,596.15	3.80	19.76	26.21	-173.10	4,946.07	5,388.67	5,374.27	14.41	374.044		
600.00	599.45	2,900.00	2,719.57	4.05	45.22	26.22	-127.52	4,892.33	5,340.54	5,308.87	31.67	168.628		
700.00	698.70	2,941.43	2,755.44	4.32	46.35	26.60	-113.85	4,876.74	5,290.33	5,257.68	32.65	162.039		
740.00	738.27	2,952.44	2,765.05	4.45	46.66	26.78	-110.32	4,872.69	5,269.78	5,236.82	32.96	159.890		
800.00	797.57	2,969.05	2,779.60	4.63	47.11	26.73	-105.07	4,866.64	5,238.93	5,205.51	33.42	156.783		
900.00	896.39	3,000.00	2,806.89	4.96	47.96	26.64	-95.54	4,855.59	5,188.28	5,154.03	34.25	151.476		
1,000.00	995.21	3,033.47	2,836.62	5.32	48.74	26.55	-85.54	4,843.91	5,138.56	5,103.48	35.08	146.481		
1,100.00	1,094.03	3,071.21	2,870.34	5.69	49.61	26.45	-74.55	4,831.01	5,089.69	5,053.70	36.00	141.384		
1,200.00	1,192.86	3,212.37	2,996.84	6.07	52.84	26.07	-34.34	4,782.97	5,041.29	5,002.91	38.38	131.357		
1,300.00	1,291.68	3,268.40	3,047.04	6.47	54.12	25.92	-18.80	4,763.54	4,992.26	4,952.69	39.57	126.155		
1,400.00	1,390.50	3,300.00	3,075.50	6.88	54.84	25.84	-10.42	4,752.67	4,943.89	4,903.43	40.46	122.202		
1,500.00	1,489.33	3,340.73	3,112.45	7.29	55.64	25.74	-0.07	4,739.00	4,896.41	4,855.01	41.39	118.287		
1,600.00	1,588.15	3,369.55	3,138.81	7.71	56.20	25.68	6.91	4,729.69	4,850.06	4,807.85	42.21	114.898		
1,700.00	1,686.97	3,400.00	3,166.86	8.14	56.80	25.61	13.98	4,720.18	4,804.81	4,761.75	43.06	111.583		
1,800.00	1,785.79	3,525.69	3,282.57	8.57	59.05	25.34	43.51	4,680.97	4,759.60	4,714.70	44.90	106.010		
1,900.00	1,884.62	3,590.70	3,342.21	9.01	60.24	25.18	59.65	4,660.76	4,714.48	4,668.32	46.16	102.143		
2,000.00	1,983.44	3,649.50	3,396.28	9.45	61.27	25.04	74.16	4,642.77	4,669.90	4,622.57	47.33	98.676		
2,100.00	2,082.26	3,700.00	3,443.03	9.89	62.14	24.93	85.66	4,627.54	4,625.94	4,577.53	48.41	95.564		
2,200.00	2,181.09	3,745.89	3,485.78	10.33	62.83	24.83	95.49	4,614.04	4,582.82	4,533.45	49.37	92.820		
2,300.00	2,279.91	4,277.76	3,969.04	10.78	73.94	23.45	224.46	4,436.13	4,534.45	4,478.31	56.14	80.767		
2,400.00	2,378.73	4,300.00	3,988.41	11.23	74.57	23.37	231.65	4,427.92	4,483.92	4,426.72	57.21	78.382		
2,500.00	2,477.55	4,343.32	4,026.37	11.68	75.64	23.19	245.57	4,412.35	4,434.35	4,375.75	58.59	75.679		
2,600.00	2,576.38	4,400.00	4,076.71	12.13	77.06	22.97	263.15	4,393.14	4,386.34	4,326.13	60.21	72.852		
2,700.00	2,675.20	4,400.00	4,076.71	12.59	77.06	22.97	263.15	4,393.14	4,338.97	4,278.05	60.92	71.224		
2,800.00	2,774.02	4,437.83	4,110.70	13.04	77.82	22.83	274.42	4,380.94	4,293.04	4,230.90	62.14	69.087		
2,900.00	2,872.85	4,476.96	4,146.14	13.50	78.61	22.70	285.57	4,368.70	4,248.18	4,184.80	63.38	67.027		
3,000.00	2,971.67	4,569.39	4,230.42	13.96	80.40	22.38	310.91	4,340.44	4,204.17	4,138.89	65.28	64.407		
3,100.00	3,070.49	4,665.68	4,317.96	14.41	82.25	22.04	337.54	4,310.42	4,159.66	4,092.43	67.23	61.874		
3,200.00	3,169.31	4,818.74	4,457.18	14.87	85.28	21.51	378.30	4,261.61	4,114.68	4,044.81	69.88	58.884		
3,300.00	3,268.14	3,300.00	4,572.29	15.33	82.08	21.04	412.94	4,219.80	4,069.00	4,020.70	48.30	84.239		
3,400.00	3,366.96	5,195.88	4,794.82	15.79	94.05	20.02	483.05	4,130.48	4,020.14	3,943.40	76.74	52.387		
3,500.00	3,465.78	5,319.62	4,903.65	16.25	97.40	19.48	518.59	4,083.52	3,969.80	3,890.24	79.57	49.893		
3,600.00	3,564.61	5,386.96	4,963.11	16.72	99.21	19.19	536.99	4,057.83	3,919.52	3,838.01	81.51	48.085		
3,700.00	3,663.43	5,476.24	5,042.34	17.18	101.55	18.82	560.29	4,023.90	3,869.51	3,785.79	83.72	46.222		
3,800.00	3,762.25	5,628.91	5,177.91	17.64	105.55	18.21	596.99	3,964.11	3,818.39	3,731.79	86.60	44.091		
3,900.00	3,861.07	5,682.69	5,226.10	18.10	106.92	18.02	608.00	3,942.93	3,767.32	3,679.11	88.21	42.710		
4,000.00	3,959.90	5,726.44	5,265.64	18.57	107.93	17.88	616.17	3,926.07	3,717.08	3,627.43	89.65	41.462		
4,100.00	4,058.72	5,765.80	5,301.48	19.03	108.78	17.76	623.15	3,911.38	3,667.95	3,576.93	91.02	40.298		
4,200.00	4,157.54	6,000.00	5,513.32	19.50	114.29	17.00	665.49	3,821.10	3,617.92	3,523.95	93.97	38.502		
4,300.00	4,256.37	6,043.76	5,552.48	19.96	115.32	16.84	673.49	3,803.29	3,566.14	3,470.68	95.47	37.355		
4,400.00	4,355.19	6,100.00	5,603.82	20.43	116.64	16.68	682.13	3,782.02	3,516.28	3,419.25	97.03	36.239		
4,500.00	4,454.01	6,100.00	5,603.82	20.89	116.64	16.68	682.13	3,782.02	3,467.16	3,368.92	98.23	35.296		
4,600.00	4,552.83	6,100.00	5,603.82	21.36	116.64	16.68	682.13	3,782.02	3,420.26	3,320.85	99.41	34.407		
4,700.00	4,651.66	6,149.57	5,649.93	21.82	117.40	16.56	688.46	3,764.98	3,374.40	3,273.71	100.69	33.512		
4,800.00	4,750.48	6,200.00	5,697.61	22.29	118.19	16.46	693.91	3,749.50	3,330.86	3,228.90	101.96	32.669		
4,900.00	4,849.30	6,200.00	5,697.61	22.76	118.19	16.46	693.91	3,749.50	3,288.44	3,185.36	103.09	31.900		
5,000.00	4,948.13	6,234.71	5,730.82	23.22	118.50	16.41	696.85	3,739.87	3,248.04	3,143.89	104.14	31.188		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	6,268.10	5,763.04	23.69	118.81	16.38	698.77	3,731.30	3,209.29	3,104.13	105.17	30.516		
5,200.00	5,145.77	6,300.00	5,794.01	24.16	119.10	16.36	699.78	3,723.76	3,172.25	3,066.10	106.15	29.885		
5,300.00	5,244.59	6,334.48	5,827.68	24.62	119.27	16.37	700.24	3,716.33	3,136.97	3,029.96	107.01	29.316		
5,400.00	5,343.42	6,367.48	5,860.05	25.09	119.43	16.38	700.32	3,709.93	3,103.52	2,995.69	107.83	28.781		
5,500.00	5,442.24	6,400.00	5,892.08	25.56	119.59	16.39	700.06	3,704.28	3,071.94	2,963.32	108.62	28.282		
5,600.00	5,541.06	6,436.65	5,928.29	26.03	119.69	16.42	699.64	3,698.66	3,042.24	2,932.91	109.33	27.825		
5,700.00	5,639.89	6,500.00	5,991.12	26.50	119.86	16.46	699.20	3,690.63	3,014.75	2,904.81	109.94	27.421		
5,800.00	5,738.71	6,500.00	5,991.12	26.96	119.86	16.46	699.20	3,690.63	2,988.56	2,877.88	110.68	27.002		
5,900.00	5,837.53	6,536.62	6,027.57	27.43	119.92	16.49	699.21	3,687.12	2,964.77	2,853.49	111.28	26.642		
6,000.00	5,936.35	6,566.20	6,057.07	27.90	119.97	16.50	699.45	3,685.02	2,943.24	2,831.39	111.85	26.315		
6,100.00	6,035.18	6,600.00	6,090.84	28.37	120.02	16.52	699.98	3,683.42	2,923.99	2,811.62	112.36	26.022		
6,200.00	6,134.00	6,656.85	6,147.65	28.84	120.08	16.54	700.94	3,681.77	2,906.56	2,793.71	112.85	25.755		
6,300.00	6,232.82	6,732.61	6,223.40	29.31	120.16	16.59	701.79	3,680.41	2,890.22	2,776.89	113.33	25.502		
6,400.00	6,331.64	6,831.79	6,322.56	29.77	120.25	16.65	702.78	3,678.92	2,874.20	2,760.37	113.83	25.250		
6,477.15	6,407.89	6,915.39	6,406.15	30.14	120.34	16.71	703.47	3,677.53	2,861.69	2,747.48	114.22	25.055		
6,500.00	6,430.52	6,938.82	6,429.57	30.24	120.36	22.98	703.68	3,677.11	2,858.37	2,744.04	114.33	25.001		
6,550.00	6,480.31	6,991.57	6,482.31	30.46	120.42	58.42	704.19	3,676.10	2,853.87	2,739.31	114.56	24.911		
6,582.51	6,512.77	7,022.72	6,513.45	30.59	120.45	107.01	704.55	3,675.49	2,853.03	2,738.33	114.70	24.874 CC, ES		
6,600.00	6,530.22	7,038.91	6,529.63	30.66	120.46	126.78	704.77	3,675.18	2,853.28	2,738.50	114.77	24.860		
6,650.00	6,579.93	7,085.08	6,575.79	30.85	120.51	151.50	705.48	3,674.32	2,856.66	2,741.69	114.96	24.849 SF		
6,700.00	6,629.13	7,136.78	6,627.48	31.04	120.57	159.91	706.46	3,673.36	2,863.95	2,748.82	115.14	24.874		
6,750.00	6,677.53	7,190.60	6,681.27	31.23	120.63	163.90	707.70	3,672.26	2,875.02	2,759.71	115.30	24.934		
6,800.00	6,724.83	7,243.55	6,734.19	31.43	120.69	166.17	709.00	3,671.06	2,889.78	2,774.33	115.45	25.031		
6,850.00	6,770.73	7,295.13	6,785.74	31.63	120.74	167.59	710.14	3,669.82	2,908.14	2,792.57	115.57	25.163		
6,900.00	6,814.95	7,338.23	6,828.82	31.84	120.79	168.51	711.02	3,668.76	2,930.06	2,814.40	115.66	25.333		
6,950.00	6,857.22	7,378.79	6,869.36	32.06	120.84	169.10	711.82	3,667.79	2,955.45	2,839.73	115.72	25.539		
7,000.00	6,897.28	7,416.64	6,907.19	32.29	120.88	169.46	712.55	3,666.93	2,984.18	2,868.41	115.77	25.777		
7,050.00	6,934.88	7,451.44	6,941.98	32.54	120.92	169.63	713.14	3,666.18	3,016.06	2,900.27	115.79	26.048		
7,100.00	6,969.79	7,483.77	6,974.30	32.81	120.96	169.63	713.60	3,665.53	3,050.89	2,935.10	115.79	26.349		
7,150.00	7,001.79	7,512.52	7,003.04	33.11	120.99	169.45	713.96	3,664.99	3,088.45	2,972.69	115.77	26.678		
7,200.00	7,030.69	7,537.51	7,028.02	33.44	121.02	169.06	714.27	3,664.56	3,128.52	3,012.79	115.73	27.032		
7,250.00	7,056.31	7,559.66	7,050.17	33.81	121.04	168.42	714.55	3,664.21	3,170.84	3,055.16	115.69	27.409		
7,300.00	7,078.48	7,578.85	7,069.36	34.21	121.06	167.42	714.81	3,663.92	3,215.13	3,099.50	115.63	27.805		
7,350.00	7,097.08	7,594.97	7,085.48	34.65	121.08	165.87	715.02	3,663.70	3,261.11	3,145.54	115.57	28.218		
7,400.00	7,112.00	7,609.26	7,099.76	35.12	121.09	163.36	715.21	3,663.52	3,308.48	3,192.98	115.50	28.644		
7,450.00	7,123.12	7,620.66	7,111.16	35.64	121.11	158.90	715.35	3,663.37	3,356.93	3,241.50	115.43	29.081		
7,500.00	7,130.40	7,628.31	7,118.81	36.19	121.12	149.37	715.44	3,663.28	3,406.17	3,290.81	115.36	29.526		
7,550.00	7,133.78	7,632.17	7,122.67	36.77	121.12	121.68	715.48	3,663.23	3,455.89	3,340.60	115.29	29.975		
7,574.97	7,134.00	7,632.68	7,123.18	37.06	121.12	90.53	715.48	3,663.23	3,480.81	3,365.55	115.26	30.199		
7,600.00	7,133.73	7,632.71	7,123.21	37.37	121.12	90.54	715.48	3,663.23	3,505.79	3,390.56	115.23	30.425		
7,700.00	7,132.66	7,632.82	7,123.32	38.71	121.12	90.57	715.48	3,663.22	3,605.61	3,490.50	115.10	31.325		
7,800.00	7,131.59	7,632.94	7,123.44	40.20	121.12	90.60	715.48	3,663.22	3,705.43	3,590.45	114.99	32.225		
7,900.00	7,130.52	7,633.06	7,123.56	41.84	121.12	90.63	715.48	3,663.22	3,805.27	3,690.39	114.88	33.124		
8,000.00	7,129.45	7,633.18	7,123.68	43.60	121.12	90.67	715.49	3,663.22	3,905.12	3,790.34	114.78	34.024		
8,100.00	7,128.38	7,633.29	7,123.79	45.47	121.12	90.70	715.49	3,663.22	4,004.97	3,890.29	114.68	34.922		
8,200.00	7,127.31	7,633.41	7,123.91	47.44	121.12	90.73	715.49	3,663.22	4,104.83	3,990.24	114.59	35.821		
8,300.00	7,126.24	7,633.53	7,124.02	49.49	121.12	90.76	715.49	3,663.22	4,204.70	4,090.19	114.51	36.719		
8,400.00	7,125.17	7,633.64	7,124.14	51.61	121.12	90.79	715.49	3,663.21	4,304.57	4,190.14	114.43	37.616		
8,500.00	7,124.10	7,633.76	7,124.26	53.81	121.12	90.82	715.49	3,663.21	4,404.45	4,290.09	114.36	38.513		
8,600.00	7,123.03	7,633.87	7,124.37	56.06	121.12	90.85	715.49	3,663.21	4,504.33	4,390.04	114.30	39.409		
8,700.00	7,121.96	7,633.99	7,124.48	58.36	121.12	90.88	715.49	3,663.21	4,604.22	4,489.99	114.24	40.305		
8,800.00	7,120.89	7,634.10	7,124.60	60.71	121.12	90.91	715.49	3,663.21	4,704.12	4,589.94	114.18	41.200		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,634.21	7,124.71	63.10	121.12	90.94	715.50	3,663.21	4,804.01	4,689.89	114.13	42.094		
9,000.00	7,118.75	7,634.33	7,124.83	65.53	121.12	90.97	715.50	3,663.21	4,903.92	4,789.84	114.08	42.988		
9,100.00	7,117.68	7,634.44	7,124.94	67.98	121.12	91.00	715.50	3,663.20	5,003.82	4,889.79	114.03	43.881		
9,200.00	7,116.61	7,634.55	7,125.05	70.47	121.12	91.03	715.50	3,663.20	5,103.73	4,989.74	113.99	44.773		
9,300.00	7,115.54	7,634.67	7,125.16	72.98	121.12	91.06	715.50	3,663.20	5,203.65	5,089.69	113.95	45.664		
9,400.00	7,114.47	7,634.78	7,125.28	75.52	121.12	91.09	715.50	3,663.20	5,303.56	5,189.64	113.92	46.555		
9,500.00	7,113.40	7,634.89	7,125.39	78.08	121.12	91.12	715.50	3,663.20	5,403.48	5,289.59	113.89	47.445		
9,600.00	7,112.33	7,635.00	7,125.50	80.65	121.12	91.15	715.50	3,663.20	5,503.40	5,389.54	113.86	48.334		
9,700.00	7,111.26	7,635.11	7,125.61	83.25	121.12	91.18	715.50	3,663.20	5,603.33	5,489.49	113.84	49.222		
9,800.00	7,110.19	7,635.22	7,125.72	85.86	121.12	91.21	715.51	3,663.19	5,703.26	5,589.44	113.82	50.110		
9,900.00	7,109.12	7,635.33	7,125.83	88.48	121.12	91.24	715.51	3,663.19	5,803.19	5,689.39	113.80	50.996		
10,000.00	7,108.04	7,635.44	7,125.94	91.12	121.12	91.27	715.51	3,663.19	5,903.12	5,789.34	113.78	51.882		
10,100.00	7,106.97	7,635.55	7,126.05	93.77	121.12	91.30	715.51	3,663.19	6,003.06	5,889.29	113.77	52.766		
10,200.00	7,105.90	7,635.66	7,126.16	96.43	121.12	91.33	715.51	3,663.19	6,102.99	5,989.24	113.76	53.650		
10,300.00	7,104.83	7,635.77	7,126.27	99.10	121.12	91.36	715.51	3,663.19	6,202.93	6,089.19	113.75	54.532		
10,400.00	7,103.76	7,635.88	7,126.38	101.78	121.12	91.39	715.51	3,663.19	6,302.87	6,189.13	113.74	55.414		
10,500.00	7,102.69	7,635.99	7,126.49	104.47	121.12	91.42	715.51	3,663.19	6,402.82	6,289.08	113.74	56.294		
10,600.00	7,101.62	7,636.10	7,126.60	107.16	121.12	91.45	715.51	3,663.18	6,502.76	6,389.02	113.74	57.173		
10,700.00	7,100.55	7,636.21	7,126.70	109.87	121.12	91.47	715.52	3,663.18	6,602.71	6,488.97	113.74	58.052		
10,800.00	7,099.48	7,636.31	7,126.81	112.58	121.12	91.50	715.52	3,663.18	6,702.66	6,588.92	113.74	58.929		
10,900.00	7,098.41	7,636.42	7,126.92	115.29	121.12	91.53	715.52	3,663.18	6,802.61	6,688.86	113.75	59.805		
11,000.00	7,097.34	7,636.53	7,127.03	118.02	121.12	91.56	715.52	3,663.18	6,902.56	6,788.80	113.75	60.680		
11,100.00	7,096.27	7,636.63	7,127.13	120.74	121.12	91.59	715.52	3,663.18	7,002.51	6,888.75	113.76	61.553		
11,200.00	7,095.20	7,636.74	7,127.24	123.48	121.12	91.62	715.52	3,663.18	7,102.46	6,988.69	113.77	62.426		
11,300.00	7,094.13	7,636.85	7,127.35	126.22	121.12	91.65	715.52	3,663.17	7,202.42	7,088.63	113.79	63.297		
11,400.00	7,093.06	7,636.95	7,127.45	128.96	121.12	91.67	715.52	3,663.17	7,302.37	7,188.57	113.80	64.167		
11,500.00	7,091.99	7,637.06	7,127.56	131.71	121.13	91.70	715.52	3,663.17	7,402.33	7,288.51	113.82	65.036		
11,600.00	7,090.92	7,637.16	7,127.66	134.46	121.13	91.73	715.52	3,663.17	7,502.29	7,388.45	113.84	65.903		
11,700.00	7,089.85	7,637.27	7,127.77	137.21	121.13	91.76	715.53	3,663.17	7,602.25	7,488.39	113.86	66.769		
11,800.00	7,088.78	7,637.37	7,127.87	139.97	121.13	91.79	715.53	3,663.17	7,702.21	7,588.33	113.88	67.634		
11,900.00	7,087.71	7,637.48	7,127.98	142.73	121.13	91.81	715.53	3,663.17	7,802.17	7,688.27	113.91	68.497		
12,000.00	7,086.64	7,637.58	7,128.08	145.50	121.13	91.84	715.53	3,663.17	7,902.14	7,788.20	113.93	69.359		
12,100.00	7,085.57	7,637.68	7,128.18	148.26	121.13	91.87	715.53	3,663.16	8,002.10	7,888.14	113.96	70.220		
12,200.00	7,084.50	7,637.79	7,128.29	151.03	121.13	91.90	715.53	3,663.16	8,102.06	7,988.08	113.99	71.079		
12,300.00	7,083.43	7,637.89	7,128.39	153.81	121.13	91.92	715.53	3,663.16	8,202.03	8,088.01	114.02	71.937		
12,400.00	7,082.36	7,637.99	7,128.49	156.58	121.13	91.95	715.53	3,663.16	8,302.00	8,187.95	114.05	72.793		
12,500.00	7,081.29	7,638.10	7,128.59	159.36	121.13	91.98	715.53	3,663.16	8,401.96	8,287.88	114.08	73.648		
12,600.00	7,080.22	7,638.20	7,128.70	162.14	121.13	92.01	715.53	3,663.16	8,501.93	8,387.81	114.12	74.502		
12,700.00	7,079.15	7,638.30	7,128.80	164.92	121.13	92.03	715.54	3,663.16	8,601.90	8,487.74	114.15	75.354		
12,800.00	7,078.08	7,638.40	7,128.90	167.71	121.13	92.06	715.54	3,663.16	8,701.87	8,587.68	114.19	76.204		
12,900.00	7,077.01	7,638.50	7,129.00	170.49	121.13	92.09	715.54	3,663.15	8,801.84	8,687.61	114.23	77.053		
13,000.00	7,075.93	7,638.60	7,129.10	173.28	121.13	92.11	715.54	3,663.15	8,901.81	8,787.54	114.27	77.900		
13,100.00	7,074.86	7,638.70	7,129.20	176.07	121.13	92.14	715.54	3,663.15	9,001.78	8,887.47	114.31	78.746		
13,200.00	7,073.79	7,638.80	7,129.30	178.86	121.13	92.17	715.54	3,663.15	9,101.75	8,987.39	114.36	79.590		
13,300.00	7,072.72	7,638.90	7,129.40	181.65	121.13	92.19	715.54	3,663.15	9,201.72	9,087.32	114.40	80.433		
13,400.00	7,071.65	7,639.00	7,129.50	184.45	121.13	92.22	715.54	3,663.15	9,301.70	9,187.25	114.45	81.274		
13,500.00	7,070.58	7,639.10	7,129.60	187.25	121.13	92.25	715.54	3,663.15	9,401.67	9,287.17	114.50	82.114		
13,600.00	7,069.51	7,639.20	7,129.70	190.04	121.13	92.27	715.54	3,663.15	9,501.64	9,387.10	114.54	82.951		
13,700.00	7,068.44	7,639.30	7,129.80	192.84	121.13	92.30	715.54	3,663.14	9,601.62	9,487.02	114.59	83.788		
13,800.00	7,067.37	7,639.40	7,129.90	195.64	121.13	92.33	715.55	3,663.14	9,701.59	9,586.95	114.65	84.622		
13,900.00	7,066.30	7,639.50	7,130.00	198.44	121.13	92.35	715.55	3,663.14	9,801.57	9,686.87	114.70	85.455		
14,000.00	7,065.23	7,639.60	7,130.10	201.24	121.13	92.38	715.55	3,663.14	9,901.55	9,786.79	114.75	86.286		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.01	-686.79	5,588.80	5,631.06					
100.00	100.00	1,414.74	1,397.84	3.28	9.52	96.70	-636.49	5,417.55	5,618.86	5,608.27	10.59	530.484		
200.00	200.00	1,933.29	1,896.70	3.34	14.95	96.88	-636.87	5,276.84	5,594.78	5,581.81	12.97	431.201		
300.00	300.00	2,245.75	2,190.87	3.44	19.74	97.08	-642.67	5,171.81	5,561.26	5,546.65	14.61	380.673		
400.00	399.98	2,300.00	2,241.76	3.60	20.66	30.85	-642.25	5,153.02	5,525.33	5,510.37	14.97	369.098		
500.00	499.84	2,343.00	2,282.24	3.80	21.32	31.30	-641.43	5,138.51	5,487.36	5,472.05	15.31	358.315		
600.00	599.45	2,951.31	2,846.12	4.05	33.22	32.31	-623.39	4,912.98	5,446.75	5,428.21	18.54	293.728		
700.00	698.70	700.00	2,926.96	4.32	23.76	33.06	-620.79	4,875.70	5,395.67	5,386.15	9.52	566.674		
740.00	738.27	740.00	2,957.49	4.45	22.74	33.38	-619.61	4,861.52	5,374.41	5,364.76	9.65	556.728		
800.00	797.57	3,136.16	3,013.66	4.63	37.87	33.47	-617.24	4,835.14	5,341.98	5,322.08	19.90	268.439		
900.00	896.39	3,169.34	3,043.77	4.96	38.70	33.52	-616.00	4,821.26	5,288.57	5,268.28	20.30	260.572		
1,000.00	995.21	3,200.00	3,071.71	5.32	39.46	33.56	-614.92	4,808.67	5,236.00	5,215.29	20.71	252.829		
1,100.00	1,094.03	3,235.34	3,104.06	5.69	40.23	33.61	-613.66	4,794.50	5,184.28	5,163.11	21.17	244.883		
1,200.00	1,192.86	3,268.32	3,134.38	6.07	40.95	33.66	-612.38	4,781.60	5,133.45	5,111.80	21.64	237.172		
1,300.00	1,291.68	3,300.00	3,163.64	6.47	41.64	33.70	-611.06	4,769.52	5,083.51	5,061.38	22.13	229.665		
1,400.00	1,390.50	3,348.03	3,208.15	6.88	42.57	33.77	-609.56	4,751.55	5,034.38	5,011.65	22.73	221.534		
1,500.00	1,489.33	3,400.00	3,256.45	7.29	43.58	33.86	-609.22	4,732.37	4,985.98	4,962.62	23.35	213.499		
1,600.00	1,588.15	3,400.00	3,256.45	7.71	43.58	33.86	-609.22	4,732.37	4,938.61	4,914.86	23.75	207.919		
1,700.00	1,686.97	3,446.38	3,299.80	8.14	44.35	33.95	-609.59	4,715.88	4,892.06	4,867.67	24.39	200.553		
1,800.00	1,785.79	3,500.00	3,350.37	8.57	45.24	34.06	-610.25	4,698.09	4,847.12	4,822.04	25.08	193.252		
1,900.00	1,884.62	3,500.00	3,350.37	9.01	45.24	34.06	-610.25	4,698.09	4,802.80	4,777.28	25.52	188.175		
2,000.00	1,983.44	3,500.00	3,350.37	9.45	45.24	34.06	-610.25	4,698.09	4,760.17	4,734.19	25.97	183.268		
2,100.00	2,082.26	3,542.54	3,390.89	9.89	45.74	34.14	-610.37	4,685.13	4,718.51	4,691.89	26.62	177.265		
2,200.00	2,181.09	3,600.00	3,446.19	10.33	46.42	34.22	-609.02	4,669.61	4,678.84	4,651.51	27.33	171.183		
2,300.00	2,279.91	3,600.00	3,446.19	10.78	46.42	34.22	-609.02	4,669.61	4,639.58	4,611.78	27.81	166.851		
2,400.00	2,378.73	4,200.00	4,015.19	11.23	54.98	35.18	-593.01	4,482.63	4,597.81	4,567.07	30.74	149.589		
2,500.00	2,477.55	4,240.64	4,052.96	11.68	55.71	35.27	-592.67	4,467.65	4,549.92	4,518.49	31.43	144.768		
2,600.00	2,576.38	4,270.67	4,081.04	12.13	56.25	35.33	-592.39	4,457.02	4,503.21	4,471.12	32.09	140.348		
2,700.00	2,675.20	4,306.46	4,114.68	12.59	56.88	35.40	-592.04	4,444.80	4,457.65	4,424.87	32.78	136.007		
2,800.00	2,774.02	4,509.40	4,304.78	13.04	60.37	35.86	-591.65	4,373.77	4,411.60	4,377.41	34.19	129.029		
2,900.00	2,872.85	2,900.00	4,453.49	13.50	27.91	36.26	-592.48	4,313.99	4,363.43	4,338.66	24.76	176.208		
3,000.00	2,971.67	4,819.27	4,591.26	13.96	66.71	36.65	-592.59	4,255.74	4,313.58	4,276.85	36.73	117.442		
3,100.00	3,070.49	4,873.93	4,641.63	14.41	67.87	36.79	-592.21	4,234.51	4,263.98	4,226.42	37.57	113.497		
3,200.00	3,169.31	4,949.89	4,711.82	14.87	69.45	36.98	-591.39	4,205.49	4,214.95	4,176.45	38.50	109.476		
3,300.00	3,268.14	5,059.28	4,812.81	15.33	71.75	37.26	-590.25	4,163.47	4,165.80	4,126.21	39.58	105.239		
3,400.00	3,366.96	5,224.20	4,964.05	15.79	75.44	37.73	-589.83	4,097.70	4,115.40	4,074.46	40.94	100.513		
3,500.00	3,465.78	5,291.21	5,025.32	16.25	77.00	37.93	-589.71	4,070.56	4,064.58	4,022.67	41.91	96.975		
3,600.00	3,564.61	5,300.00	5,033.36	16.72	77.21	37.95	-589.72	4,067.02	4,014.73	3,972.09	42.65	94.143		
3,700.00	3,663.43	5,341.37	5,071.46	17.18	78.02	38.08	-589.88	4,050.90	3,965.94	3,922.42	43.52	91.131		
3,800.00	3,762.25	5,364.10	5,092.59	17.64	78.46	38.15	-590.02	4,042.52	3,918.77	3,874.45	44.32	88.414		
3,900.00	3,861.07	5,400.00	5,126.23	18.10	79.16	38.26	-590.35	4,029.99	3,873.18	3,827.99	45.19	85.703		
4,000.00	3,959.90	5,400.00	5,126.23	18.57	79.16	38.26	-590.35	4,029.99	3,829.02	3,783.11	45.90	83.414		
4,100.00	4,058.72	5,452.25	5,175.59	19.03	79.91	38.42	-590.90	4,012.88	3,786.09	3,739.26	46.83	80.842		
4,200.00	4,157.54	5,500.00	5,221.01	19.50	80.60	38.56	-591.37	3,998.15	3,744.61	3,696.86	47.75	78.419		
4,300.00	4,256.37	5,538.18	5,257.47	19.96	81.06	38.67	-591.74	3,986.84	3,704.29	3,655.66	48.62	76.187		
4,400.00	4,355.19	5,600.00	5,316.68	20.43	81.80	38.86	-592.31	3,969.05	3,664.96	3,615.37	49.59	73.902		
4,500.00	4,454.01	5,693.38	5,406.15	20.89	82.90	39.15	-593.83	3,942.36	3,626.07	3,575.36	50.71	71.499		
4,600.00	4,552.83	5,801.05	5,509.13	21.36	84.19	39.50	-596.06	3,911.03	3,586.88	3,534.95	51.93	69.074		
4,700.00	4,651.66	5,858.19	5,563.85	21.82	84.85	39.69	-597.02	3,894.58	3,547.98	3,495.05	52.93	67.035		
4,800.00	4,750.48	5,900.00	5,603.98	22.29	85.34	39.83	-597.72	3,882.88	3,510.06	3,456.19	53.87	65.157		
4,900.00	4,849.30	5,959.87	5,661.64	22.76	85.93	40.02	-598.63	3,866.82	3,473.21	3,418.34	54.87	63.294		
5,000.00	4,948.13	6,000.00	5,700.46	23.22	86.34	40.15	-599.13	3,856.63	3,437.68	3,381.88	55.80	61.604		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	6,044.62	5,743.78	23.69	86.68	40.28	-599.57	3,845.98	3,403.56	3,346.84	56.72	60.002		
5,200.00	5,145.77	6,100.00	5,797.83	24.16	87.11	40.45	-599.96	3,833.93	3,371.09	3,313.41	57.68	58.442		
5,300.00	5,244.59	6,100.00	5,797.83	24.62	87.11	40.45	-599.96	3,833.93	3,340.21	3,281.78	58.42	57.172		
5,400.00	5,343.42	6,146.00	5,843.00	25.09	87.34	40.58	-600.21	3,825.19	3,311.02	3,251.72	59.30	55.832		
5,500.00	5,442.24	6,200.00	5,896.34	25.56	87.62	40.72	-600.52	3,816.81	3,284.21	3,224.01	60.20	54.553		
5,600.00	5,541.06	6,200.00	5,896.34	26.03	87.62	40.72	-600.52	3,816.81	3,258.80	3,197.91	60.89	53.520		
5,700.00	5,639.89	6,245.71	5,941.69	26.50	87.75	40.84	-600.73	3,811.08	3,235.49	3,173.79	61.71	52.434		
5,800.00	5,738.71	6,300.00	5,995.69	26.96	87.90	40.97	-600.84	3,805.58	3,214.04	3,151.50	62.54	51.391		
5,900.00	5,837.53	6,332.86	6,028.44	27.43	87.97	41.05	-600.84	3,802.84	3,194.14	3,130.86	63.27	50.482		
6,000.00	5,936.35	6,400.00	6,095.42	27.90	88.10	41.19	-600.82	3,798.19	3,175.81	3,111.70	64.11	49.536		
6,100.00	6,035.18	6,441.63	6,136.99	28.37	88.17	41.28	-600.75	3,795.91	3,158.76	3,093.92	64.84	48.716		
6,200.00	6,134.00	6,500.00	6,195.30	28.84	88.26	41.40	-600.54	3,793.44	3,143.07	3,077.45	65.61	47.902		
6,300.00	6,232.82	6,584.61	6,279.86	29.31	88.38	41.56	-599.86	3,790.73	3,128.26	3,061.79	66.47	47.062		
6,400.00	6,331.64	6,655.91	6,351.13	29.77	88.47	41.69	-598.94	3,788.98	3,114.06	3,046.80	67.27	46.294		
6,477.15	6,407.89	6,709.60	6,404.81	30.14	88.55	41.78	-598.22	3,788.17	3,103.78	3,035.91	67.87	45.730		
6,500.00	6,430.52	6,727.13	6,422.35	30.24	88.57	47.97	-598.00	3,787.98	3,101.22	3,033.17	68.05	45.571		
6,550.00	6,480.31	6,765.75	6,460.96	30.46	88.62	83.29	-597.53	3,787.65	3,098.42	3,029.99	68.42	45.282		
6,561.17	6,491.47	6,774.41	6,469.61	30.50	88.63	99.09	-597.43	3,787.60	3,098.32	3,029.82	68.50	45.230 CC, ES		
6,600.00	6,530.22	6,805.08	6,500.28	30.66	88.67	151.67	-597.11	3,787.46	3,099.49	3,030.73	68.76	45.076		
6,650.00	6,579.93	6,848.77	6,543.97	30.85	88.73	176.53	-596.79	3,787.31	3,104.37	3,035.29	69.08	44.939		
6,700.00	6,629.13	6,892.00	6,587.21	31.04	88.79	-174.79	-596.70	3,787.18	3,112.99	3,043.62	69.37	44.878		
6,750.00	6,677.53	6,957.42	6,652.63	31.23	88.88	-170.40	-596.78	3,786.82	3,125.15	3,055.43	69.72	44.826 SF		
6,800.00	6,724.83	7,018.49	6,713.69	31.43	88.96	-167.62	-596.85	3,786.10	3,140.54	3,070.51	70.02	44.850		
6,850.00	6,770.73	7,064.99	6,760.19	31.63	89.03	-165.53	-596.88	3,785.48	3,159.29	3,089.05	70.24	44.978		
6,900.00	6,814.95	7,109.85	6,805.04	31.84	89.09	-163.75	-596.89	3,784.89	3,181.37	3,110.95	70.42	45.175		
6,950.00	6,857.22	7,142.30	6,837.49	32.06	89.14	-162.05	-596.94	3,784.51	3,206.73	3,136.20	70.53	45.467		
7,000.00	6,897.28	7,174.85	6,870.04	32.29	89.18	-160.33	-597.04	3,784.20	3,235.23	3,164.62	70.61	45.818		
7,050.00	6,934.88	7,206.13	6,901.31	32.54	89.23	-158.48	-597.19	3,783.96	3,266.70	3,196.03	70.66	46.228		
7,100.00	6,969.79	7,238.59	6,933.77	32.81	89.27	-156.42	-597.36	3,783.75	3,300.89	3,230.19	70.71	46.684		
7,150.00	7,001.79	7,268.32	6,963.50	33.11	89.32	-154.02	-597.52	3,783.58	3,337.59	3,266.87	70.72	47.194		
7,200.00	7,030.69	7,295.15	6,990.33	33.44	89.35	-151.16	-597.65	3,783.45	3,376.56	3,305.85	70.71	47.752		
7,250.00	7,056.31	7,319.60	7,014.78	33.81	89.39	-147.65	-597.76	3,783.35	3,417.57	3,346.89	70.68	48.351		
7,300.00	7,078.48	7,340.92	7,036.10	34.21	89.42	-143.25	-597.86	3,783.27	3,460.36	3,389.72	70.63	48.990		
7,350.00	7,097.08	7,358.80	7,053.98	34.65	89.44	-137.63	-597.93	3,783.21	3,504.67	3,434.10	70.57	49.664		
7,400.00	7,112.00	7,373.15	7,068.33	35.12	89.47	-130.36	-597.99	3,783.16	3,550.24	3,479.75	70.49	50.367		
7,450.00	7,123.12	7,383.88	7,079.06	35.64	89.48	-120.99	-598.03	3,783.13	3,596.78	3,526.38	70.39	51.094		
7,500.00	7,130.40	7,390.93	7,086.11	36.19	89.49	-109.25	-598.06	3,783.11	3,644.00	3,573.71	70.29	51.841		
7,550.00	7,133.78	7,394.27	7,089.45	36.77	89.50	-95.53	-598.07	3,783.10	3,691.63	3,621.45	70.18	52.601		
7,574.97	7,134.00	7,394.54	7,089.72	37.06	89.50	-88.32	-598.07	3,783.10	3,715.48	3,645.35	70.13	52.983		
7,600.00	7,133.73	7,394.35	7,089.53	37.37	89.50	-88.31	-598.07	3,783.10	3,739.38	3,669.32	70.07	53.367		
7,700.00	7,132.66	7,393.60	7,088.78	38.71	89.49	-88.28	-598.07	3,783.10	3,835.05	3,765.18	69.86	54.893		
7,800.00	7,131.59	7,392.84	7,088.03	40.20	89.49	-88.24	-598.07	3,783.11	3,930.93	3,861.23	69.69	56.404		
7,900.00	7,130.52	7,392.09	7,087.28	41.84	89.49	-88.20	-598.06	3,783.11	4,027.01	3,957.46	69.55	57.902		
8,000.00	7,129.45	7,391.35	7,086.53	43.60	89.49	-88.16	-598.06	3,783.11	4,123.27	4,053.84	69.43	59.388		
8,100.00	7,128.38	7,390.60	7,085.78	45.47	89.49	-88.12	-598.06	3,783.11	4,219.71	4,150.38	69.33	60.861		
8,200.00	7,127.31	7,389.86	7,085.04	47.44	89.49	-88.08	-598.06	3,783.11	4,316.31	4,247.06	69.26	62.323		
8,300.00	7,126.24	7,389.12	7,084.30	49.49	89.49	-88.04	-598.05	3,783.12	4,413.07	4,343.87	69.20	63.775		
8,400.00	7,125.17	7,388.38	7,083.57	51.61	89.49	-88.00	-598.05	3,783.12	4,509.96	4,440.81	69.15	65.216		
8,500.00	7,124.10	7,387.65	7,082.83	53.81	89.49	-87.97	-598.05	3,783.12	4,606.99	4,537.86	69.13	66.647		
8,600.00	7,123.03	7,386.92	7,082.10	56.06	89.48	-87.93	-598.05	3,783.12	4,704.14	4,635.03	69.11	68.068		
8,700.00	7,121.96	7,386.19	7,081.37	58.36	89.48	-87.89	-598.04	3,783.12	4,801.41	4,732.30	69.10	69.481		
8,800.00	7,120.89	7,385.46	7,080.64	60.71	89.48	-87.85	-598.04	3,783.13	4,898.78	4,829.68	69.11	70.885		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,384.74	7,079.92	63.10	89.48	-87.82	-598.04	3,783.13	4,996.27	4,927.14	69.12	72.281		
9,000.00	7,118.75	7,384.02	7,079.20	65.53	89.48	-87.78	-598.03	3,783.13	5,093.84	5,024.70	69.14	73.670		
9,100.00	7,117.68	7,383.30	7,078.48	67.98	89.48	-87.74	-598.03	3,783.13	5,191.52	5,122.34	69.17	75.050		
9,200.00	7,116.61	7,382.58	7,077.76	70.47	89.48	-87.70	-598.03	3,783.13	5,289.27	5,220.06	69.21	76.424		
9,300.00	7,115.54	7,381.87	7,077.05	72.98	89.48	-87.67	-598.03	3,783.14	5,387.11	5,317.86	69.25	77.791		
9,400.00	7,114.47	7,381.15	7,076.34	75.52	89.48	-87.63	-598.02	3,783.14	5,485.03	5,415.73	69.30	79.151		
9,500.00	7,113.40	7,380.45	7,075.63	78.08	89.48	-87.59	-598.02	3,783.14	5,583.02	5,513.67	69.35	80.505		
9,600.00	7,112.33	7,379.74	7,074.92	80.65	89.47	-87.56	-598.02	3,783.14	5,681.09	5,611.68	69.41	81.853		
9,700.00	7,111.26	7,379.03	7,074.22	83.25	89.47	-87.52	-598.02	3,783.14	5,779.21	5,709.75	69.47	83.195		
9,800.00	7,110.19	7,378.33	7,073.51	85.86	89.47	-87.48	-598.01	3,783.15	5,877.40	5,807.87	69.53	84.531		
9,900.00	7,109.12	7,377.63	7,072.81	88.48	89.47	-87.45	-598.01	3,783.15	5,975.66	5,906.06	69.60	85.862		
10,000.00	7,108.04	7,376.94	7,072.12	91.12	89.47	-87.41	-598.01	3,783.15	6,073.96	6,004.30	69.67	87.187		
10,100.00	7,106.97	7,376.24	7,071.42	93.77	89.47	-87.37	-598.00	3,783.15	6,172.32	6,102.59	69.74	88.507		
10,200.00	7,105.90	7,375.55	7,070.73	96.43	89.47	-87.34	-598.00	3,783.15	6,270.74	6,200.93	69.81	89.823		
10,300.00	7,104.83	7,374.86	7,070.04	99.10	89.47	-87.30	-598.00	3,783.16	6,369.20	6,299.31	69.89	91.133		
10,400.00	7,103.76	7,374.17	7,069.35	101.78	89.47	-87.27	-598.00	3,783.16	6,467.71	6,397.74	69.97	92.439		
10,500.00	7,102.69	7,373.48	7,068.67	104.47	89.47	-87.23	-597.99	3,783.16	6,566.27	6,496.22	70.05	93.740		
10,600.00	7,101.62	7,372.80	7,067.98	107.16	89.46	-87.20	-597.99	3,783.16	6,664.87	6,594.74	70.13	95.036		
10,700.00	7,100.55	7,372.12	7,067.30	109.87	89.46	-87.16	-597.99	3,783.16	6,763.50	6,693.29	70.21	96.328		
10,800.00	7,099.48	7,371.44	7,066.62	112.58	89.46	-87.13	-597.99	3,783.17	6,862.18	6,791.89	70.30	97.616		
10,900.00	7,098.41	7,370.77	7,065.95	115.29	89.46	-87.09	-597.98	3,783.17	6,960.90	6,890.52	70.38	98.900		
11,000.00	7,097.34	7,370.09	7,065.27	118.02	89.46	-87.06	-597.98	3,783.17	7,059.65	6,989.18	70.47	100.179		
11,100.00	7,096.27	7,369.42	7,064.60	120.74	89.46	-87.02	-597.98	3,783.17	7,158.44	7,087.88	70.56	101.454		
11,200.00	7,095.20	7,368.75	7,063.93	123.48	89.46	-86.99	-597.97	3,783.17	7,257.26	7,186.61	70.65	102.725		
11,300.00	7,094.13	7,368.08	7,063.27	126.22	89.46	-86.95	-597.97	3,783.18	7,356.11	7,285.37	70.74	103.993		
11,400.00	7,093.06	7,367.42	7,062.60	128.96	89.46	-86.92	-597.97	3,783.18	7,454.99	7,384.17	70.83	105.256		
11,500.00	7,091.99	7,366.76	7,061.94	131.71	89.46	-86.88	-597.97	3,783.18	7,553.90	7,482.99	70.92	106.515		
11,600.00	7,090.92	7,366.10	7,061.28	134.46	89.46	-86.85	-597.96	3,783.18	7,652.84	7,581.83	71.01	107.771		
11,700.00	7,089.85	7,365.44	7,060.62	137.21	89.45	-86.81	-597.96	3,783.18	7,751.81	7,680.71	71.10	109.023		
11,800.00	7,088.78	7,364.78	7,059.96	139.97	89.45	-86.78	-597.96	3,783.19	7,850.81	7,779.61	71.20	110.271		
11,900.00	7,087.71	7,364.13	7,059.31	142.73	89.45	-86.75	-597.96	3,783.19	7,949.82	7,878.53	71.29	111.515		
12,000.00	7,086.64	7,363.47	7,058.66	145.50	89.45	-86.71	-597.95	3,783.19	8,048.87	7,977.48	71.38	112.756		
12,100.00	7,085.57	7,362.82	7,058.01	148.26	89.45	-86.68	-597.95	3,783.19	8,147.93	8,076.45	71.48	113.993		
12,200.00	7,084.50	7,362.18	7,057.36	151.03	89.45	-86.65	-597.95	3,783.20	8,247.02	8,175.45	71.57	115.227		
12,300.00	7,083.43	7,361.53	7,056.71	153.81	89.45	-86.61	-597.95	3,783.20	8,346.13	8,274.46	71.67	116.457		
12,400.00	7,082.36	7,360.89	7,056.07	156.58	89.45	-86.58	-597.94	3,783.20	8,445.26	8,373.50	71.76	117.683		
12,500.00	7,081.29	7,360.25	7,055.43	159.36	89.45	-86.55	-597.94	3,783.20	8,544.41	8,472.55	71.86	118.906		
12,600.00	7,080.22	7,359.61	7,054.79	162.14	89.45	-86.51	-597.94	3,783.20	8,643.58	8,571.63	71.95	120.125		
12,700.00	7,079.15	7,358.97	7,054.15	164.92	89.44	-86.48	-597.94	3,783.21	8,742.77	8,670.72	72.05	121.341		
12,800.00	7,078.08	7,358.34	7,053.52	167.71	89.44	-86.45	-597.93	3,783.21	8,841.98	8,769.83	72.15	122.553		
12,900.00	7,077.01	7,357.70	7,052.88	170.49	89.44	-86.41	-597.93	3,783.21	8,941.21	8,868.96	72.25	123.762		
13,000.00	7,075.93	7,357.07	7,052.25	173.28	89.44	-86.38	-597.93	3,783.21	9,040.45	8,968.11	72.34	124.967		
13,100.00	7,074.86	7,356.44	7,051.62	176.07	89.44	-86.35	-597.92	3,783.21	9,139.71	9,067.27	72.44	126.169		
13,200.00	7,073.79	7,355.82	7,051.00	178.86	89.44	-86.32	-597.92	3,783.22	9,238.98	9,166.44	72.54	127.368		
13,300.00	7,072.72	7,355.19	7,050.37	181.65	89.44	-86.28	-597.92	3,783.22	9,338.27	9,265.64	72.64	128.563		
13,400.00	7,071.65	7,354.57	7,049.75	184.45	89.44	-86.25	-597.92	3,783.22	9,437.58	9,364.84	72.73	129.754		
13,500.00	7,070.58	7,353.95	7,049.13	187.25	89.44	-86.22	-597.91	3,783.22	9,536.90	9,464.06	72.83	130.942		
13,600.00	7,069.51	7,353.33	7,048.51	190.04	89.44	-86.19	-597.91	3,783.22	9,636.23	9,563.30	72.93	132.127		
13,700.00	7,068.44	7,352.71	7,047.89	192.84	89.44	-86.16	-597.91	3,783.23	9,735.58	9,662.55	73.03	133.308		
13,800.00	7,067.37	7,352.10	7,047.28	195.64	89.44	-86.12	-597.91	3,783.23	9,834.94	9,761.81	73.13	134.486		
13,900.00	7,066.30	7,351.48	7,046.67	198.44	89.43	-86.09	-597.90	3,783.23	9,934.31	9,861.08	73.23	135.661		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.67	-655.46	5,600.76	5,639.20					
100.00	100.00	40.14	40.14	3.28	3.28	96.67	-655.34	5,600.81	5,639.03	5,632.46	6.57	858.829		
200.00	200.00	200.00	548.52	3.34	3.33	96.37	-624.07	5,588.99	5,637.83	5,631.14	6.69	842.535		
300.00	300.00	716.15	712.45	3.44	5.02	96.14	-600.05	5,578.75	5,629.95	5,621.59	8.36	673.138		
400.00	399.98	1,289.25	1,265.98	3.60	9.28	28.36	-466.85	5,522.08	5,615.45	5,603.04	12.42	452.256		
500.00	499.84	1,409.86	1,379.43	3.80	10.48	28.22	-429.14	5,506.14	5,594.44	5,580.75	13.69	408.515		
600.00	599.45	1,518.10	1,481.42	4.05	11.53	28.16	-396.05	5,491.37	5,570.23	5,555.37	14.86	374.798		
700.00	698.70	1,586.31	1,545.88	4.32	12.15	28.26	-375.77	5,482.11	5,543.29	5,527.61	15.68	353.528		
740.00	738.27	1,618.90	1,576.74	4.45	12.44	28.30	-366.27	5,477.73	5,531.79	5,515.73	16.06	344.451		
800.00	797.57	1,671.63	1,626.74	4.63	12.90	28.18	-351.08	5,470.64	5,514.25	5,497.60	16.65	331.244		
900.00	896.39	1,740.35	1,692.02	4.96	13.48	28.03	-331.65	5,461.50	5,485.26	5,467.79	17.48	313.882		
1,000.00	995.21	1,800.00	1,748.84	5.32	13.97	27.90	-315.18	5,453.88	5,456.90	5,438.65	18.25	299.014		
1,100.00	1,094.03	1,863.04	1,809.03	5.69	14.46	27.77	-298.11	5,446.18	5,429.16	5,410.12	19.04	285.090		
1,200.00	1,192.86	1,947.82	1,890.15	6.07	15.10	27.59	-275.58	5,436.20	5,401.96	5,381.96	20.00	270.161		
1,300.00	1,291.68	2,059.53	1,997.20	6.47	15.92	27.37	-246.62	5,422.74	5,374.62	5,353.49	21.13	254.398		
1,400.00	1,390.50	2,197.63	2,129.43	6.88	16.95	27.08	-210.73	5,405.45	5,346.91	5,324.46	22.45	238.176		
1,500.00	1,489.33	2,251.57	2,181.06	7.29	17.35	26.97	-196.63	5,398.64	5,319.13	5,295.91	23.22	229.098		
1,600.00	1,588.15	2,305.94	2,233.19	7.71	17.75	26.86	-182.63	5,392.20	5,292.15	5,268.16	24.00	220.530		
1,700.00	1,686.97	2,379.76	2,304.01	8.14	18.26	26.71	-163.58	5,383.85	5,265.77	5,240.87	24.90	211.469		
1,800.00	1,785.79	2,521.73	2,439.86	8.57	19.30	26.39	-125.63	5,367.68	5,239.34	5,213.06	26.28	199.371		
1,900.00	1,884.62	2,655.79	2,567.65	9.01	20.34	26.08	-88.60	5,351.27	5,212.06	5,184.40	27.66	188.410		
2,000.00	1,983.44	2,815.59	2,718.63	9.45	21.71	25.65	-40.63	5,330.27	5,183.80	5,154.46	29.34	176.674		
2,100.00	2,082.26	2,871.43	2,771.26	9.89	22.20	25.50	-23.54	5,322.84	5,155.49	5,125.24	30.25	170.441		
2,200.00	2,181.09	2,956.92	2,852.17	10.33	22.92	25.27	1.83	5,311.92	5,127.83	5,096.46	31.36	163.503		
2,300.00	2,279.91	3,079.56	2,968.44	10.78	23.95	24.95	37.30	5,295.77	5,099.95	5,067.20	32.75	155.742		
2,400.00	2,378.73	3,139.62	3,025.23	11.23	24.44	24.79	55.17	5,287.80	5,072.08	5,038.42	33.66	150.666		
2,500.00	2,477.55	3,200.00	3,082.80	11.68	24.92	24.64	71.79	5,280.37	5,045.17	5,010.59	34.58	145.901		
2,600.00	2,576.38	3,261.41	3,141.62	12.13	25.36	24.49	87.88	5,273.17	5,018.96	4,983.51	35.46	141.554		
2,700.00	2,675.20	3,383.92	3,259.03	12.59	26.23	24.21	119.75	5,258.75	4,992.90	4,956.19	36.71	135.995		
2,800.00	2,774.02	3,449.04	3,321.50	13.04	26.67	24.06	136.42	5,250.90	4,966.67	4,929.06	37.61	132.074		
2,900.00	2,872.85	3,516.58	3,386.59	13.50	27.12	23.91	152.75	5,243.32	4,941.24	4,902.74	38.50	128.344		
3,000.00	2,971.67	3,635.19	3,501.15	13.96	27.87	23.67	180.16	5,229.46	4,915.44	4,875.79	39.65	123.976		
3,100.00	3,070.49	3,700.00	3,563.83	14.41	28.28	23.54	194.98	5,222.22	4,890.21	4,849.71	40.51	120.730		
3,200.00	3,169.31	3,946.04	3,799.43	14.87	30.07	22.93	258.92	5,192.20	4,864.46	4,821.91	42.55	114.332		
3,300.00	3,268.14	4,047.82	3,895.10	15.33	30.99	22.61	290.57	5,177.86	4,836.50	4,792.62	43.87	110.240		
3,400.00	3,366.96	4,122.14	3,964.71	15.79	31.67	22.36	314.43	5,167.49	4,808.79	4,763.79	45.01	106.847		
3,500.00	3,465.78	4,180.77	4,019.91	16.25	32.19	22.17	332.59	5,159.67	4,781.79	4,735.79	46.00	103.951		
3,600.00	3,564.61	4,234.05	4,070.35	16.72	32.63	22.01	348.35	5,152.94	4,755.62	4,708.70	46.92	101.351		
3,700.00	3,663.43	4,300.00	4,133.07	17.18	33.14	21.82	367.25	5,145.30	4,730.45	4,682.54	47.91	98.734		
3,800.00	3,762.25	4,388.69	4,217.32	17.64	33.82	21.55	393.11	5,135.34	4,705.79	4,656.74	49.05	95.936		
3,900.00	3,861.07	4,542.11	4,362.43	18.10	35.07	21.06	439.28	5,116.65	4,680.35	4,629.66	50.69	92.334		
4,000.00	3,959.90	4,645.65	4,460.06	18.57	35.97	20.72	471.02	5,103.27	4,654.37	4,602.35	52.02	89.473		
4,100.00	4,058.72	4,794.40	4,599.38	19.03	37.32	20.18	519.24	5,083.40	4,628.30	4,574.55	53.75	86.100		
4,200.00	4,157.54	4,897.75	4,696.72	19.50	38.25	19.83	550.65	5,068.63	4,601.33	4,546.22	55.11	83.497		
4,300.00	4,256.37	4,956.66	4,752.36	19.96	38.75	19.64	568.13	5,060.38	4,574.75	4,518.64	56.11	81.531		
4,400.00	4,355.19	5,016.57	4,809.09	20.43	39.26	19.44	585.71	5,052.46	4,549.03	4,491.91	57.11	79.649		
4,500.00	4,454.01	5,081.39	4,870.55	20.89	39.78	19.23	604.63	5,044.33	4,524.06	4,465.93	58.13	77.824		
4,600.00	4,552.83	5,153.25	4,938.90	21.36	40.32	19.00	625.10	5,035.76	4,499.77	4,440.61	59.16	76.056		
4,700.00	4,651.66	5,200.00	4,983.64	21.82	40.66	18.86	637.53	5,030.40	4,476.13	4,416.10	60.03	74.570		
4,800.00	4,750.48	5,264.01	5,045.42	22.29	41.03	18.69	652.88	5,023.73	4,453.35	4,392.45	60.90	73.123		
4,900.00	4,849.30	5,300.00	5,080.45	22.76	41.24	18.61	660.48	5,020.48	4,431.81	4,370.17	61.64	71.904		
5,000.00	4,948.13	5,365.94	5,145.08	23.22	41.53	18.49	672.47	5,015.34	4,411.23	4,348.82	62.41	70.678		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,423.69	5,202.08	23.69	41.75	18.41	680.99	5,011.64	4,391.66	4,328.52	63.13	69.561		
5,200.00	5,145.77	5,488.36	5,266.18	24.16	41.97	18.34	688.81	5,008.16	4,372.89	4,309.06	63.84	68.501		
5,300.00	5,244.59	5,563.86	5,341.23	24.62	42.20	18.29	696.27	5,004.74	4,354.79	4,290.25	64.54	67.475		
5,400.00	5,343.42	5,638.70	5,415.74	25.09	42.41	18.24	702.67	5,001.81	4,337.17	4,271.94	65.23	66.494		
5,500.00	5,442.24	5,710.33	5,487.14	25.56	42.61	18.22	707.79	4,999.52	4,320.13	4,254.24	65.90	65.560		
5,600.00	5,541.06	5,778.30	5,554.97	26.03	42.78	18.21	711.93	4,997.88	4,303.76	4,237.22	66.55	64.674		
5,700.00	5,639.89	5,860.76	5,637.32	26.50	42.99	18.20	715.97	4,996.47	4,287.98	4,220.77	67.22	63.793		
5,800.00	5,738.71	5,958.11	5,734.61	26.96	43.23	18.23	718.87	4,995.18	4,272.40	4,204.49	67.91	62.911		
5,900.00	5,837.53	6,057.47	5,833.96	27.43	43.48	18.27	720.19	4,993.96	4,256.76	4,188.16	68.61	62.047		
6,000.00	5,936.35	6,162.07	5,938.54	27.90	43.73	18.32	721.17	4,992.69	4,241.11	4,171.80	69.31	61.190		
6,100.00	6,035.18	6,271.94	6,048.39	28.37	44.01	18.38	722.17	4,991.09	4,225.22	4,155.19	70.03	60.336		
6,200.00	6,134.00	6,382.88	6,159.31	28.84	44.29	18.44	723.12	4,989.18	4,209.07	4,138.32	70.75	59.491		
6,300.00	6,232.82	6,488.18	6,264.59	29.31	44.56	18.49	724.20	4,987.09	4,192.68	4,121.21	71.47	58.665		
6,400.00	6,331.64	6,572.27	6,348.65	29.77	44.78	18.53	725.59	4,985.44	4,176.37	4,104.22	72.15	57.885		
6,477.15	6,407.89	6,643.10	6,419.45	30.14	44.97	18.55	727.09	4,984.24	4,164.02	4,091.33	72.69	57.285		
6,500.00	6,430.52	6,665.97	6,442.32	30.24	45.03	24.81	727.64	4,983.86	4,160.77	4,087.92	72.85	57.113		
6,550.00	6,480.31	6,714.94	6,491.26	30.46	45.16	60.21	728.90	4,983.01	4,156.50	4,083.30	73.20	56.783		
6,579.06	6,509.32	6,741.79	6,518.10	30.58	45.23	103.89	729.61	4,982.56	4,155.83	4,082.44	73.39	56.627 CC, ES		
6,600.00	6,530.22	6,761.14	6,537.44	30.66	45.28	128.54	730.13	4,982.25	4,156.18	4,082.65	73.53	56.526		
6,650.00	6,579.93	6,807.82	6,584.10	30.85	45.41	153.25	731.37	4,981.51	4,159.82	4,085.98	73.84	56.337		
6,700.00	6,629.13	6,857.28	6,633.54	31.04	45.54	161.65	732.69	4,980.75	4,167.37	4,093.23	74.14	56.209		
6,750.00	6,677.53	6,908.04	6,684.27	31.23	45.68	165.65	734.05	4,979.97	4,178.77	4,104.34	74.43	56.142		
6,800.00	6,724.83	6,972.01	6,748.20	31.43	45.86	167.94	735.97	4,978.81	4,193.83	4,119.10	74.74	56.114 SF		
6,850.00	6,770.73	7,034.51	6,810.65	31.63	46.03	169.37	738.15	4,977.40	4,212.41	4,137.38	75.03	56.145		
6,900.00	6,814.95	7,095.17	6,871.24	31.84	46.20	170.33	740.60	4,975.78	4,234.39	4,159.09	75.30	56.235		
6,950.00	6,857.22	7,140.11	6,916.11	32.06	46.33	170.96	742.64	4,974.46	4,259.72	4,184.20	75.52	56.403		
7,000.00	6,897.28	7,181.70	6,957.63	32.29	46.46	171.37	744.74	4,973.21	4,288.35	4,212.63	75.72	56.631		
7,050.00	6,934.88	7,217.05	6,992.91	32.54	46.56	171.61	746.69	4,972.14	4,320.10	4,244.21	75.90	56.920		
7,100.00	6,969.79	7,246.79	7,022.59	32.81	46.65	171.69	748.44	4,971.27	4,354.83	4,278.78	76.04	57.267		
7,150.00	7,001.79	7,274.11	7,049.84	33.11	46.73	171.62	750.14	4,970.50	4,392.31	4,316.14	76.17	57.664		
7,200.00	7,030.69	7,298.85	7,074.51	33.44	46.81	171.39	751.76	4,969.83	4,432.30	4,356.02	76.28	58.107		
7,250.00	7,056.31	7,317.05	7,092.67	33.81	46.86	170.97	752.98	4,969.36	4,474.55	4,398.19	76.36	58.601		
7,300.00	7,078.48	7,332.65	7,108.23	34.21	46.91	170.29	754.01	4,968.99	4,518.80	4,442.39	76.42	59.133		
7,350.00	7,097.08	7,345.76	7,121.31	34.65	46.95	169.19	754.87	4,968.69	4,564.77	4,488.30	76.46	59.698		
7,400.00	7,112.00	7,356.34	7,131.87	35.12	46.98	167.40	755.56	4,968.47	4,612.14	4,535.64	76.50	60.292		
7,450.00	7,123.12	7,364.34	7,139.85	35.64	47.00	164.13	756.08	4,968.31	4,660.62	4,584.10	76.52	60.908		
7,500.00	7,130.40	7,369.73	7,145.23	36.19	47.02	156.90	756.43	4,968.21	4,709.89	4,633.36	76.53	61.542		
7,550.00	7,133.78	7,372.52	7,148.00	36.77	47.03	132.12	756.61	4,968.16	4,759.66	4,683.12	76.54	62.188		
7,574.97	7,134.00	7,372.93	7,148.42	37.06	47.03	93.61	756.63	4,968.15	4,784.60	4,708.06	76.54	62.513		
7,600.00	7,133.73	7,373.02	7,148.51	37.37	47.03	93.64	756.64	4,968.15	4,809.60	4,733.06	76.54	62.840		
7,700.00	7,132.66	7,373.39	7,148.88	38.71	47.03	93.73	756.66	4,968.14	4,909.51	4,832.97	76.54	64.146		
7,800.00	7,131.59	7,373.75	7,149.24	40.20	47.03	93.83	756.69	4,968.13	5,009.42	4,932.88	76.54	65.450		
7,900.00	7,130.52	7,374.11	7,149.59	41.84	47.03	93.93	756.71	4,968.13	5,109.33	5,032.79	76.54	66.754		
8,000.00	7,129.45	7,374.46	7,149.94	43.60	47.03	94.02	756.73	4,968.12	5,209.25	5,132.70	76.54	68.055		
8,100.00	7,128.38	7,374.81	7,150.29	45.47	47.03	94.12	756.75	4,968.12	5,309.17	5,232.62	76.55	69.355		
8,200.00	7,127.31	7,375.15	7,150.63	47.44	47.03	94.21	756.78	4,968.11	5,409.09	5,332.53	76.56	70.654		
8,300.00	7,126.24	7,375.48	7,150.97	49.49	47.03	94.30	756.80	4,968.10	5,509.01	5,432.45	76.57	71.951		
8,400.00	7,125.17	7,375.82	7,151.30	51.61	47.04	94.39	756.82	4,968.10	5,608.94	5,532.37	76.58	73.247		
8,500.00	7,124.10	7,376.14	7,151.62	53.81	47.04	94.48	756.84	4,968.09	5,708.87	5,632.28	76.59	74.541		
8,600.00	7,123.03	7,376.47	7,151.95	56.06	47.04	94.56	756.86	4,968.08	5,808.80	5,732.20	76.60	75.833		
8,700.00	7,121.96	7,376.78	7,152.26	58.36	47.04	94.65	756.88	4,968.08	5,908.74	5,832.13	76.61	77.123		
8,800.00	7,120.89	7,377.10	7,152.58	60.71	47.04	94.73	756.90	4,968.07	6,008.68	5,932.05	76.63	78.412		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,377.41	7,152.89	63.10	47.04	94.82	756.92	4,968.07	6,108.62	6,031.97	76.65	79.699		
9,000.00	7,118.75	7,377.72	7,153.19	65.53	47.04	94.90	756.94	4,968.06	6,208.56	6,131.89	76.66	80.984		
9,100.00	7,117.68	7,378.02	7,153.49	67.98	47.04	94.98	756.96	4,968.06	6,308.50	6,231.82	76.68	82.267		
9,200.00	7,116.61	7,378.32	7,153.79	70.47	47.04	95.06	756.98	4,968.05	6,408.45	6,331.74	76.70	83.548		
9,300.00	7,115.54	7,378.61	7,154.09	72.98	47.04	95.14	757.00	4,968.05	6,508.39	6,431.67	76.73	84.827		
9,400.00	7,114.47	7,378.90	7,154.38	75.52	47.04	95.22	757.02	4,968.04	6,608.34	6,531.59	76.75	86.104		
9,500.00	7,113.40	7,379.19	7,154.66	78.08	47.05	95.29	757.03	4,968.04	6,708.29	6,631.52	76.77	87.379		
9,600.00	7,112.33	7,379.47	7,154.94	80.65	47.05	95.37	757.05	4,968.03	6,808.24	6,731.44	76.80	88.652		
9,700.00	7,111.26	7,379.75	7,155.22	83.25	47.05	95.44	757.07	4,968.03	6,908.19	6,831.37	76.82	89.923		
9,800.00	7,110.19	7,380.03	7,155.50	85.86	47.05	95.52	757.09	4,968.02	7,008.15	6,931.30	76.85	91.191		
9,900.00	7,109.12	7,380.30	7,155.77	88.48	47.05	95.59	757.11	4,968.02	7,108.10	7,031.22	76.88	92.457		
10,000.00	7,108.04	7,380.57	7,156.04	91.12	47.05	95.66	757.12	4,968.01	7,208.06	7,131.15	76.91	93.721		
10,100.00	7,106.97	7,380.84	7,156.31	93.77	47.05	95.73	757.14	4,968.01	7,308.02	7,231.07	76.94	94.982		
10,200.00	7,105.90	7,381.10	7,156.57	96.43	47.05	95.80	757.16	4,968.00	7,407.97	7,331.00	76.97	96.241		
10,300.00	7,104.83	7,381.36	7,156.83	99.10	47.05	95.87	757.17	4,968.00	7,507.93	7,430.93	77.01	97.497		
10,400.00	7,103.76	7,381.62	7,157.08	101.78	47.05	95.94	757.19	4,967.99	7,607.89	7,530.85	77.04	98.751		
10,500.00	7,102.69	7,381.87	7,157.34	104.47	47.05	96.01	757.21	4,967.99	7,707.86	7,630.78	77.08	100.002		
10,600.00	7,101.62	7,382.12	7,157.59	107.16	47.05	96.08	757.22	4,967.98	7,807.82	7,730.71	77.11	101.251		
10,700.00	7,100.55	7,400.00	7,175.43	109.87	47.11	100.76	758.36	4,967.69	7,907.82	7,830.63	77.19	102.446		
10,800.00	7,099.48	7,400.00	7,175.43	112.58	47.11	100.76	758.36	4,967.69	8,007.78	7,930.55	77.23	103.689		
10,900.00	7,098.41	7,400.00	7,175.43	115.29	47.11	100.76	758.36	4,967.69	8,107.75	8,030.48	77.27	104.930		
11,000.00	7,097.34	7,400.00	7,175.43	118.02	47.11	100.76	758.36	4,967.69	8,207.71	8,130.40	77.31	106.168		
11,100.00	7,096.27	7,400.00	7,175.43	120.74	47.11	100.76	758.36	4,967.69	8,307.68	8,230.33	77.35	107.404		
11,200.00	7,095.20	7,400.00	7,175.43	123.48	47.11	100.76	758.36	4,967.69	8,407.64	8,330.25	77.39	108.636		
11,300.00	7,094.13	7,400.00	7,175.43	126.22	47.11	100.76	758.36	4,967.69	8,507.61	8,430.18	77.44	109.866		
11,400.00	7,093.06	7,400.00	7,175.43	128.96	47.11	100.76	758.36	4,967.69	8,607.58	8,530.10	77.48	111.093		
11,500.00	7,091.99	7,400.00	7,175.43	131.71	47.11	100.76	758.36	4,967.69	8,707.55	8,630.02	77.53	112.317		
11,600.00	7,090.92	7,400.00	7,175.43	134.46	47.11	100.76	758.36	4,967.69	8,807.52	8,729.95	77.57	113.537		
11,700.00	7,089.85	7,400.00	7,175.43	137.21	47.11	100.76	758.36	4,967.69	8,907.49	8,829.87	77.62	114.755		
11,800.00	7,088.78	7,400.00	7,175.43	139.97	47.11	100.76	758.36	4,967.69	9,007.46	8,929.79	77.67	115.970		
11,900.00	7,087.71	7,400.00	7,175.43	142.73	47.11	100.76	758.36	4,967.69	9,107.43	9,029.71	77.72	117.182		
12,000.00	7,086.64	7,400.00	7,175.43	145.50	47.11	100.76	758.36	4,967.69	9,207.40	9,129.63	77.77	118.390		
12,100.00	7,085.57	7,400.00	7,175.43	148.26	47.11	100.76	758.36	4,967.69	9,307.38	9,229.55	77.82	119.596		
12,200.00	7,084.50	7,400.00	7,175.43	151.03	47.11	100.76	758.36	4,967.69	9,407.35	9,329.47	77.88	120.798		
12,300.00	7,083.43	7,400.00	7,175.43	153.81	47.11	100.76	758.36	4,967.69	9,507.32	9,429.39	77.93	121.997		
12,400.00	7,082.36	7,400.00	7,175.43	156.58	47.11	100.76	758.36	4,967.69	9,607.30	9,529.31	77.99	123.193		
12,500.00	7,081.29	7,400.00	7,175.43	159.36	47.11	100.76	758.36	4,967.69	9,707.27	9,629.23	78.04	124.386		
12,600.00	7,080.22	7,400.00	7,175.43	162.14	47.11	100.76	758.36	4,967.69	9,807.25	9,729.15	78.10	125.575		
12,700.00	7,079.15	7,400.00	7,175.43	164.92	47.11	100.76	758.36	4,967.69	9,907.23	9,829.07	78.16	126.761		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.12	-696.99	5,577.11	5,620.71					
100.00	100.00	54.03	54.03	3.28	3.28	97.12	-696.97	5,577.09	5,620.47	5,613.90	6.57	855.886		
200.00	200.00	162.10	162.10	3.34	3.30	97.12	-696.82	5,576.95	5,620.33	5,613.69	6.64	846.909		
300.00	300.00	270.16	270.16	3.44	3.33	97.12	-696.53	5,576.68	5,620.04	5,613.26	6.78	829.151		
400.00	399.98	378.19	378.19	3.60	3.38	30.49	-696.08	5,576.26	5,618.11	5,611.12	6.98	804.336		
500.00	499.84	486.08	486.08	3.80	3.45	30.57	-695.48	5,575.71	5,613.02	5,605.77	7.25	774.062		
600.00	599.45	593.68	593.67	4.05	3.53	30.70	-694.74	5,575.03	5,604.80	5,597.23	7.57	740.186		
700.00	698.70	700.86	700.84	4.32	3.62	30.87	-693.85	5,574.21	5,593.45	5,585.51	7.94	704.463		
740.00	738.27	743.58	743.56	4.45	3.66	30.96	-693.45	5,573.85	5,588.05	5,579.94	8.10	689.793		
800.00	797.57	807.58	807.56	4.63	3.73	31.01	-692.82	5,573.26	5,579.54	5,571.19	8.35	668.384		
900.00	896.39	914.24	914.20	4.96	3.85	31.08	-691.64	5,572.18	5,565.25	5,556.46	8.78	633.542		
1,000.00	995.21	1,020.86	1,020.81	5.32	3.97	31.16	-690.32	5,570.97	5,550.83	5,541.58	9.25	600.038		
1,100.00	1,094.03	1,127.46	1,127.39	5.69	4.11	31.23	-688.85	5,569.62	5,536.28	5,526.53	9.74	568.253		
1,200.00	1,192.86	1,234.03	1,233.94	6.07	4.26	31.31	-687.24	5,568.14	5,521.59	5,511.34	10.26	538.374		
1,300.00	1,291.68	1,343.25	1,343.13	6.47	4.42	31.38	-685.45	5,566.47	5,506.77	5,495.92	10.85	507.556		
1,400.00	1,390.50	1,441.82	1,441.67	6.88	4.78	31.45	-683.85	5,564.78	5,491.77	5,480.23	11.54	475.789		
1,500.00	1,489.33	1,530.94	1,530.78	7.29	5.07	31.52	-682.76	5,563.38	5,476.96	5,464.73	12.23	447.799		
1,600.00	1,588.15	1,661.21	1,661.02	7.71	5.52	31.62	-681.32	5,561.17	5,462.11	5,449.04	13.08	417.677		
1,700.00	1,686.97	1,785.77	1,785.53	8.14	5.96	31.72	-680.74	5,558.03	5,446.49	5,432.56	13.93	391.077		
1,800.00	1,785.79	3,096.83	3,079.68	8.57	11.44	33.35	-695.58	5,383.50	5,429.72	5,410.54	19.18	283.117		
1,900.00	1,884.62	1,900.00	3,237.92	9.01	6.27	33.64	-700.28	5,340.99	5,392.26	5,377.66	14.61	369.173		
2,000.00	1,983.44	3,328.04	3,302.69	9.45	12.57	33.74	-701.04	5,322.81	5,353.70	5,332.75	20.95	255.542		
2,100.00	2,082.26	3,365.00	3,338.45	9.89	12.75	33.80	-701.38	5,313.47	5,316.48	5,294.93	21.55	246.665		
2,200.00	2,181.09	3,405.66	3,377.89	10.33	12.95	33.87	-701.92	5,303.58	5,280.22	5,258.04	22.18	238.096		
2,300.00	2,279.91	3,481.75	3,451.74	10.78	13.33	34.00	-703.85	5,285.40	5,244.65	5,221.72	22.94	228.641		
2,400.00	2,378.73	3,802.04	3,760.23	11.23	14.98	34.62	-714.08	5,199.97	5,205.53	5,180.92	24.61	211.526		
2,500.00	2,477.55	3,991.01	3,940.55	11.68	16.00	35.03	-721.57	5,143.97	5,164.65	5,138.85	25.80	200.194		
2,600.00	2,576.38	4,021.00	3,969.12	12.13	16.17	35.09	-722.64	5,134.91	5,123.83	5,097.42	26.41	193.975		
2,700.00	2,675.20	4,066.14	4,012.26	12.59	16.41	35.19	-724.30	5,121.70	5,083.90	5,056.81	27.09	187.663		
2,800.00	2,774.02	4,115.00	4,059.22	13.04	16.68	35.30	-726.28	5,108.39	5,045.39	5,017.61	27.78	181.590		
2,900.00	2,872.85	4,115.00	4,059.22	13.50	16.68	35.30	-726.28	5,108.39	5,007.80	4,979.49	28.31	176.915		
3,000.00	2,971.67	4,164.61	4,107.14	13.96	16.94	35.41	-728.31	5,095.71	4,971.37	4,942.36	29.01	171.378		
3,100.00	3,070.49	4,208.00	4,149.19	14.41	17.17	35.50	-729.97	5,085.16	4,935.97	4,906.28	29.69	166.243		
3,200.00	3,169.31	4,245.66	4,185.79	14.87	17.36	35.58	-731.35	5,076.40	4,901.59	4,871.24	30.35	161.478		
3,300.00	3,268.14	4,302.00	4,240.71	15.33	17.65	35.70	-733.42	5,063.97	4,868.30	4,837.21	31.09	156.601		
3,400.00	3,366.96	4,327.27	4,265.40	15.79	17.77	35.75	-734.32	5,058.67	4,835.95	4,804.24	31.71	152.512		
3,500.00	3,465.78	4,367.50	4,304.79	16.25	17.97	35.83	-735.69	5,050.61	4,804.73	4,772.35	32.38	148.366		
3,600.00	3,564.61	4,413.36	4,349.80	16.72	18.20	35.92	-737.13	5,041.96	4,774.60	4,741.52	33.08	144.333		
3,700.00	3,663.43	4,472.09	4,407.55	17.18	18.48	36.04	-738.82	5,031.39	4,745.30	4,711.48	33.82	140.299		
3,800.00	3,762.25	4,517.30	4,452.07	17.64	18.70	36.12	-739.98	5,023.64	4,716.86	4,682.35	34.52	136.658		
3,900.00	3,861.07	4,556.78	4,491.04	18.10	18.89	36.20	-740.92	5,017.37	4,689.56	4,654.38	35.19	133.275		
4,000.00	3,959.90	4,583.00	4,516.97	18.57	19.01	36.24	-741.50	5,013.48	4,663.49	4,627.68	35.81	130.234		
4,100.00	4,058.72	4,626.39	4,559.95	19.03	19.21	36.32	-742.39	5,007.62	4,638.65	4,602.16	36.49	127.130		
4,200.00	4,157.54	4,677.00	4,610.22	19.50	19.44	36.41	-743.29	5,001.83	4,615.30	4,578.11	37.19	124.094		
4,300.00	4,256.37	4,701.48	4,634.57	19.96	19.55	36.45	-743.65	4,999.37	4,593.07	4,555.28	37.79	121.528		
4,400.00	4,355.19	4,771.00	4,703.80	20.43	19.85	36.55	-744.18	4,993.05	4,571.99	4,533.43	38.56	118.561		
4,500.00	4,454.01	4,801.98	4,734.68	20.89	19.98	36.59	-744.16	4,990.62	4,551.82	4,512.64	39.18	116.176		
4,600.00	4,552.83	4,864.00	4,796.57	21.36	20.25	36.67	-743.54	4,986.68	4,532.96	4,493.05	39.91	113.571		
4,700.00	4,651.66	4,891.01	4,823.55	21.82	20.36	36.70	-743.13	4,985.32	4,515.11	4,474.60	40.51	111.468		
4,800.00	4,750.48	4,937.95	4,870.44	22.29	20.55	36.75	-742.49	4,983.37	4,498.47	4,457.30	41.17	109.264		
4,900.00	4,849.30	4,993.92	4,926.38	22.76	20.78	36.82	-741.90	4,981.65	4,482.92	4,441.05	41.87	107.075		
5,000.00	4,948.13	5,058.21	4,990.65	23.22	21.05	36.89	-741.47	4,980.15	4,468.20	4,425.61	42.59	104.900		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1304-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,065.90	4,998.34	23.69	21.08	36.90	-741.43	4,979.99	4,454.79	4,411.71	43.09	103.393		
5,200.00	5,145.77	5,065.90	4,998.34	24.16	21.08	36.90	-741.43	4,979.99	4,443.58	4,400.06	43.53	102.085		
5,300.00	5,244.59	5,065.90	4,998.34	24.62	21.08	36.90	-741.43	4,979.99	4,434.60	4,390.65	43.95	100.899		
5,400.00	5,343.42	5,065.90	4,998.34	25.09	21.08	36.90	-741.43	4,979.99	4,427.86	4,383.51	44.35	99.831		
5,500.00	5,442.24	5,065.90	4,998.34	25.56	21.08	36.90	-741.43	4,979.99	4,423.37	4,378.64	44.74	98.878		
5,600.00	5,541.06	5,065.90	4,998.34	26.03	21.08	36.90	-741.43	4,979.99	4,421.14	4,376.05	45.10	98.039		
5,648.69	5,589.18	5,065.90	4,998.34	26.26	21.08	36.90	-741.43	4,979.99	4,420.87	4,375.61	45.26	97.670	CC, ES	
5,700.00	5,639.89	5,065.90	4,998.34	26.50	21.08	36.90	-741.43	4,979.99	4,421.17	4,375.74	45.43	97.310		
5,800.00	5,738.71	5,065.90	4,998.34	26.96	21.08	36.90	-741.43	4,979.99	4,423.46	4,377.71	45.75	96.689		
5,900.00	5,837.53	5,065.90	4,998.34	27.43	21.08	36.90	-741.43	4,979.99	4,428.01	4,381.97	46.04	96.174		
6,000.00	5,936.35	5,065.90	4,998.34	27.90	21.08	36.90	-741.43	4,979.99	4,434.81	4,388.50	46.31	95.763		
6,100.00	6,035.18	5,065.90	4,998.34	28.37	21.08	36.90	-741.43	4,979.99	4,443.85	4,397.29	46.56	95.452		
6,200.00	6,134.00	5,065.90	4,998.34	28.84	21.08	36.90	-741.43	4,979.99	4,455.12	4,408.34	46.78	95.240		
6,300.00	6,232.82	5,065.90	4,998.34	29.31	21.08	36.90	-741.43	4,979.99	4,468.59	4,421.62	46.98	95.125		
6,400.00	6,331.64	5,065.90	4,998.34	29.77	21.08	36.90	-741.43	4,979.99	4,484.26	4,437.11	47.15	95.103	SF	
6,477.15	6,407.89	5,065.90	4,998.34	30.14	21.08	36.90	-741.43	4,979.99	4,497.83	4,450.56	47.27	95.150		
6,500.00	6,430.52	5,065.90	4,998.34	30.24	21.08	43.25	-741.43	4,979.99	4,502.48	4,455.18	47.30	95.183		
6,550.00	6,480.31	5,065.90	4,998.34	30.46	21.08	78.94	-741.43	4,979.99	4,515.72	4,468.36	47.36	95.343		
6,600.00	6,530.22	5,065.90	4,998.34	30.66	21.08	147.71	-741.43	4,979.99	4,533.06	4,485.65	47.40	95.631		
6,650.00	6,579.93	5,065.90	4,998.34	30.85	21.08	173.01	-741.43	4,979.99	4,554.33	4,506.92	47.42	96.045		
6,700.00	6,629.13	5,065.90	4,998.34	31.04	21.08	-177.80	-741.43	4,979.99	4,579.37	4,531.95	47.42	96.567		
6,750.00	6,677.53	5,065.90	4,998.34	31.23	21.08	-172.81	-741.43	4,979.99	4,607.96	4,560.54	47.41	97.188		
6,800.00	6,724.83	5,065.90	4,998.34	31.43	21.08	-169.26	-741.43	4,979.99	4,639.85	4,592.45	47.39	97.900		
6,850.00	6,770.73	5,065.90	4,998.34	31.63	21.08	-166.22	-741.43	4,979.99	4,674.78	4,627.41	47.37	98.693		
6,900.00	6,814.95	5,065.90	4,998.34	31.84	21.08	-163.22	-741.43	4,979.99	4,712.47	4,665.14	47.33	99.557		
6,950.00	6,857.22	5,065.90	4,998.34	32.06	21.08	-159.95	-741.43	4,979.99	4,752.63	4,705.33	47.30	100.481		
7,000.00	6,897.28	5,065.90	4,998.34	32.29	21.08	-156.08	-741.43	4,979.99	4,794.95	4,747.69	47.26	101.453		
7,050.00	6,934.88	5,065.90	4,998.34	32.54	21.08	-151.23	-741.43	4,979.99	4,839.12	4,791.89	47.23	102.462		
7,100.00	6,969.79	5,065.90	4,998.34	32.81	21.08	-144.85	-741.43	4,979.99	4,884.82	4,837.62	47.20	103.496		
7,150.00	7,001.79	5,065.90	4,998.34	33.11	21.08	-136.14	-741.43	4,979.99	4,931.72	4,884.55	47.18	104.540		
7,200.00	7,030.69	5,065.90	4,998.34	33.44	21.08	-124.10	-741.43	4,979.99	4,979.52	4,932.35	47.16	105.582		
7,250.00	7,056.31	5,065.90	4,998.34	33.81	21.08	-108.08	-741.43	4,979.99	5,027.88	4,980.72	47.16	106.609		
7,300.00	7,078.48	5,065.90	4,998.34	34.21	21.08	-89.28	-741.43	4,979.99	5,076.51	5,029.34	47.18	107.609		
7,350.00	7,097.08	5,065.90	4,998.34	34.65	21.08	-71.20	-741.43	4,979.99	5,125.10	5,077.89	47.21	108.568		
7,400.00	7,112.00	5,065.90	4,998.34	35.12	21.08	-56.71	-741.43	4,979.99	5,173.35	5,126.10	47.26	109.476		
7,450.00	7,123.12	5,065.90	4,998.34	35.64	21.08	-46.15	-741.43	4,979.99	5,220.99	5,173.66	47.33	110.320		
7,500.00	7,130.40	5,065.90	4,998.34	36.19	21.08	-38.63	-741.43	4,979.99	5,267.73	5,220.31	47.42	111.092		
7,550.00	7,133.78	5,065.90	4,998.34	36.77	21.08	-33.21	-741.43	4,979.99	5,313.32	5,265.79	47.53	111.782		
7,574.97	7,134.00	5,065.90	4,998.34	37.06	21.08	-31.08	-741.43	4,979.99	5,335.58	5,287.98	47.60	112.098		
7,600.00	7,133.73	5,065.90	4,998.34	37.37	21.08	-31.08	-741.43	4,979.99	5,357.72	5,310.05	47.67	112.396		
7,700.00	7,132.66	5,065.90	4,998.34	38.71	21.08	-31.08	-741.43	4,979.99	5,446.42	5,398.46	47.96	113.560		
7,800.00	7,131.59	5,065.90	4,998.34	40.20	21.08	-31.08	-741.43	4,979.99	5,535.51	5,487.25	48.26	114.709		
7,900.00	7,130.52	5,065.90	4,998.34	41.84	21.08	-31.08	-741.43	4,979.99	5,624.96	5,576.41	48.56	115.845		
8,000.00	7,129.45	5,065.90	4,998.34	43.60	21.08	-31.08	-741.43	4,979.99	5,714.76	5,665.91	48.86	116.970		
8,100.00	7,128.38	5,065.90	4,998.34	45.47	21.08	-31.08	-741.43	4,979.99	5,804.90	5,755.74	49.16	118.086		
8,200.00	7,127.31	5,065.90	4,998.34	47.44	21.08	-31.08	-741.43	4,979.99	5,895.36	5,845.90	49.46	119.195		
8,300.00	7,126.24	5,065.90	4,998.34	49.49	21.08	-31.08	-741.43	4,979.99	5,986.11	5,936.35	49.76	120.298		
8,400.00	7,125.17	5,065.90	4,998.34	51.61	21.08	-31.08	-741.43	4,979.99	6,077.16	6,027.10	50.06	121.395		
8,500.00	7,124.10	5,065.90	4,998.34	53.81	21.08	-31.08	-741.43	4,979.99	6,168.49	6,118.13	50.36	122.489		
8,600.00	7,123.03	5,065.90	4,998.34	56.06	21.08	-31.08	-741.43	4,979.99	6,260.08	6,209.42	50.66	123.579		
8,700.00	7,121.96	5,065.90	4,998.34	58.36	21.08	-31.08	-741.43	4,979.99	6,351.92	6,300.97	50.95	124.668		
8,800.00	7,120.89	5,065.90	4,998.34	60.71	21.08	-31.08	-741.43	4,979.99	6,444.01	6,392.77	51.24	125.754		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	5,065.90	4,998.34	63.10	21.08	-31.08	-741.43	4,979.99	6,536.33	6,484.80	51.53	126.839		
9,000.00	7,118.75	5,065.90	4,998.34	65.53	21.08	-31.08	-741.43	4,979.99	6,628.87	6,577.06	51.82	127.924		
9,100.00	7,117.68	5,065.90	4,998.34	67.98	21.08	-31.08	-741.43	4,979.99	6,721.63	6,669.53	52.10	129.008		
9,200.00	7,116.61	5,065.90	4,998.34	70.47	21.08	-31.08	-741.43	4,979.99	6,814.59	6,762.21	52.38	130.092		
9,300.00	7,115.54	5,065.90	4,998.34	72.98	21.08	-31.08	-741.43	4,979.99	6,907.75	6,855.09	52.66	131.177		
9,400.00	7,114.47	5,065.90	4,998.34	75.52	21.08	-31.08	-741.43	4,979.99	7,001.10	6,948.16	52.93	132.262		
9,500.00	7,113.40	5,065.90	4,998.34	78.08	21.08	-31.08	-741.43	4,979.99	7,094.63	7,041.42	53.20	133.348		
9,600.00	7,112.33	5,065.90	4,998.34	80.65	21.08	-31.08	-741.43	4,979.99	7,188.33	7,134.86	53.47	134.434		
9,700.00	7,111.26	5,065.90	4,998.34	83.25	21.08	-31.08	-741.43	4,979.99	7,282.20	7,228.46	53.73	135.522		
9,800.00	7,110.19	5,065.90	4,998.34	85.86	21.08	-31.08	-741.43	4,979.99	7,376.23	7,322.23	53.99	136.611		
9,900.00	7,109.12	5,065.90	4,998.34	88.48	21.08	-31.08	-741.43	4,979.99	7,470.41	7,416.16	54.25	137.700		
10,000.00	7,108.04	5,065.90	4,998.34	91.12	21.08	-31.08	-741.43	4,979.99	7,564.75	7,510.24	54.50	138.791		
10,100.00	7,106.97	5,065.90	4,998.34	93.77	21.08	-31.08	-741.43	4,979.99	7,659.23	7,604.47	54.75	139.883		
10,200.00	7,105.90	5,065.90	4,998.34	96.43	21.08	-31.08	-741.43	4,979.99	7,753.85	7,698.84	55.00	140.976		
10,300.00	7,104.83	5,065.90	4,998.34	99.10	21.08	-31.08	-741.43	4,979.99	7,848.60	7,793.35	55.24	142.070		
10,400.00	7,103.76	5,065.90	4,998.34	101.78	21.08	-31.08	-741.43	4,979.99	7,943.48	7,887.99	55.48	143.166		
10,500.00	7,102.69	5,065.90	4,998.34	104.47	21.08	-31.08	-741.43	4,979.99	8,038.48	7,982.76	55.72	144.262		
10,600.00	7,101.62	5,065.90	4,998.34	107.16	21.08	-31.08	-741.43	4,979.99	8,133.60	8,077.65	55.96	145.359		
10,700.00	7,100.55	5,065.90	4,998.34	109.87	21.08	-31.08	-741.43	4,979.99	8,228.84	8,172.66	56.19	146.458		
10,800.00	7,099.48	5,065.90	4,998.34	112.58	21.08	-31.08	-741.43	4,979.99	8,324.19	8,267.78	56.41	147.557		
10,900.00	7,098.41	5,065.90	4,998.34	115.29	21.08	-31.08	-741.43	4,979.99	8,419.65	8,363.01	56.64	148.657		
11,000.00	7,097.34	5,065.90	4,998.34	118.02	21.08	-31.08	-741.43	4,979.99	8,515.21	8,458.35	56.86	149.758		
11,100.00	7,096.27	5,065.90	4,998.34	120.74	21.08	-31.08	-741.43	4,979.99	8,610.88	8,553.80	57.08	150.860		
11,200.00	7,095.20	5,065.90	4,998.34	123.48	21.08	-31.08	-741.43	4,979.99	8,706.64	8,649.34	57.29	151.962		
11,300.00	7,094.13	5,065.90	4,998.34	126.22	21.08	-31.08	-741.43	4,979.99	8,802.49	8,744.99	57.51	153.065		
11,400.00	7,093.06	5,065.90	4,998.34	128.96	21.08	-31.08	-741.43	4,979.99	8,898.44	8,840.72	57.72	154.168		
11,500.00	7,091.99	5,065.90	4,998.34	131.71	21.08	-31.08	-741.43	4,979.99	8,994.48	8,936.55	57.93	155.272		
11,600.00	7,090.92	5,065.90	4,998.34	134.46	21.08	-31.08	-741.43	4,979.99	9,090.60	9,032.46	58.13	156.376		
11,700.00	7,089.85	5,065.90	4,998.34	137.21	21.08	-31.08	-741.43	4,979.99	9,186.80	9,128.46	58.34	157.480		
11,800.00	7,088.78	5,065.90	4,998.34	139.97	21.08	-31.08	-741.43	4,979.99	9,283.08	9,224.55	58.54	158.585		
11,900.00	7,087.71	5,065.90	4,998.34	142.73	21.08	-31.08	-741.43	4,979.99	9,379.44	9,320.71	58.74	159.689		
12,000.00	7,086.64	5,065.90	4,998.34	145.50	21.08	-31.08	-741.43	4,979.99	9,475.88	9,416.95	58.93	160.794		
12,100.00	7,085.57	5,065.90	4,998.34	148.26	21.08	-31.08	-741.43	4,979.99	9,572.39	9,513.27	59.13	161.899		
12,200.00	7,084.50	5,065.90	4,998.34	151.03	21.08	-31.08	-741.43	4,979.99	9,668.97	9,609.65	59.32	163.003		
12,300.00	7,083.43	5,065.90	4,998.34	153.81	21.08	-31.08	-741.43	4,979.99	9,765.62	9,706.11	59.51	164.107		
12,400.00	7,082.36	5,065.90	4,998.34	156.58	21.08	-31.08	-741.43	4,979.99	9,862.34	9,802.64	59.70	165.211		
12,500.00	7,081.29	5,065.90	4,998.34	159.36	21.08	-31.08	-741.43	4,979.99	9,959.12	9,899.24	59.88	166.315		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	96.91	-676.95	5,588.79	5,629.86					
100.00	100.00	54.15	54.15	3.28	3.28	96.91	-677.05	5,588.76	5,629.62	5,623.06	6.57	857.288		
200.00	200.00	153.46	153.45	3.34	3.31	96.91	-677.66	5,588.59	5,629.52	5,622.88	6.65	846.911		
300.00	300.00	261.22	261.21	3.44	3.40	96.92	-678.41	5,588.42	5,629.46	5,622.61	6.85	822.065		
400.00	399.98	385.46	385.45	3.60	3.58	30.31	-679.04	5,587.83	5,627.54	5,620.36	7.18	783.457		
500.00	499.84	486.71	486.70	3.80	3.78	30.39	-679.23	5,587.13	5,622.36	5,614.78	7.58	741.878		
600.00	599.45	600.00	1,952.72	4.05	4.91	30.64	-595.04	5,405.81	5,603.38	5,595.22	8.16	686.845		
700.00	698.70	2,243.78	2,211.93	4.32	14.45	30.92	-558.41	5,336.75	5,565.63	5,550.44	15.20	366.235		
740.00	738.27	2,273.52	2,240.29	4.45	14.78	31.09	-554.19	5,328.87	5,549.66	5,534.19	15.47	358.828		
800.00	797.57	2,322.63	2,287.14	4.63	15.33	31.07	-547.06	5,315.95	5,525.45	5,509.56	15.89	347.742		
900.00	896.39	2,423.50	2,383.36	4.96	16.47	31.03	-532.49	5,289.40	5,485.09	5,468.37	16.73	327.954		
1,000.00	995.21	2,540.73	2,494.95	5.32	17.82	30.98	-514.88	5,258.11	5,444.29	5,426.60	17.69	307.682		
1,100.00	1,094.03	1,100.00	2,737.13	5.69	5.92	30.81	-472.35	5,185.98	5,401.82	5,392.03	9.79	551.964		
1,200.00	1,192.86	2,844.88	2,782.14	6.07	21.79	30.78	-464.19	5,171.86	5,358.30	5,338.07	20.23	264.820		
1,300.00	1,291.68	2,900.00	2,834.35	6.47	22.52	30.75	-455.58	5,156.42	5,315.99	5,295.06	20.93	253.988		
1,400.00	1,390.50	2,922.81	2,856.04	6.88	22.80	30.74	-452.22	5,150.22	5,274.35	5,252.92	21.43	246.074		
1,500.00	1,489.33	3,065.06	2,991.31	7.29	24.54	30.68	-432.00	5,111.12	5,233.07	5,210.45	22.62	231.334		
1,600.00	1,588.15	3,129.62	3,052.55	7.71	25.33	30.66	-422.86	5,092.82	5,190.96	5,167.58	23.38	222.000		
1,700.00	1,686.97	3,162.41	3,083.76	8.14	25.72	30.65	-418.25	5,083.91	5,149.84	5,125.86	23.98	214.758		
1,800.00	1,785.79	3,200.00	3,119.67	8.57	26.17	30.63	-413.01	5,074.12	5,109.77	5,085.16	24.61	207.599		
1,900.00	1,884.62	3,272.95	3,189.57	9.01	26.94	30.61	-403.46	5,055.55	5,070.39	5,044.97	25.42	199.446		
2,000.00	1,983.44	3,337.34	3,251.39	9.45	27.60	30.60	-395.94	5,039.19	5,031.29	5,005.11	26.18	192.176		
2,100.00	2,082.26	3,400.00	3,311.72	9.89	28.23	30.60	-389.09	5,023.70	4,992.86	4,965.93	26.93	185.419		
2,200.00	2,181.09	3,459.28	3,368.91	10.33	28.79	30.60	-382.95	5,009.36	4,955.00	4,927.34	27.65	179.195		
2,300.00	2,279.91	3,527.13	3,434.46	10.78	29.42	30.61	-376.22	4,993.22	4,917.60	4,889.18	28.42	173.053		
2,400.00	2,378.73	3,600.00	3,504.94	11.23	30.07	30.61	-368.70	4,976.30	4,880.69	4,851.49	29.21	167.103		
2,500.00	2,477.55	4,103.99	3,984.60	11.68	36.22	30.46	-302.49	4,837.80	4,836.66	4,804.44	32.21	150.140		
2,600.00	2,576.38	4,136.46	4,015.17	12.13	36.66	30.44	-297.50	4,828.05	4,792.69	4,759.79	32.89	145.705		
2,700.00	2,675.20	4,171.73	4,048.54	12.59	37.13	30.42	-292.48	4,817.78	4,749.75	4,716.16	33.59	141.394		
2,800.00	2,774.02	4,200.00	4,075.40	13.04	37.52	30.41	-288.76	4,809.80	4,707.88	4,673.62	34.26	137.421		
2,900.00	2,872.85	4,264.16	4,136.54	13.50	38.28	30.39	-280.33	4,792.26	4,666.81	4,631.72	35.09	132.996		
3,000.00	2,971.67	4,440.80	4,304.48	13.96	40.46	30.31	-255.21	4,743.67	4,625.49	4,588.99	36.50	126.734		
3,100.00	3,070.49	4,700.00	4,547.64	14.41	44.36	30.11	-212.73	4,664.76	4,580.23	4,541.73	38.49	118.990		
3,200.00	3,169.31	4,752.95	4,597.14	14.87	45.18	30.07	-204.49	4,647.85	4,534.67	4,495.33	39.34	115.263		
3,300.00	3,268.14	4,800.00	4,641.34	15.33	45.91	30.04	-196.97	4,633.59	4,490.29	4,450.13	40.17	111.793		
3,400.00	3,366.96	4,837.88	4,677.02	15.79	46.43	30.01	-190.77	4,622.52	4,446.83	4,405.89	40.95	108.603		
3,500.00	3,465.78	4,900.00	4,735.65	16.25	47.28	29.95	-180.36	4,604.80	4,404.15	4,362.29	41.86	105.207		
3,600.00	3,564.61	4,956.01	4,788.61	16.72	48.01	29.90	-170.90	4,589.23	4,362.12	4,319.37	42.75	102.046		
3,700.00	3,663.43	5,000.00	4,830.28	17.18	48.58	29.86	-163.55	4,577.19	4,320.71	4,277.14	43.57	99.168		
3,800.00	3,762.25	5,054.73	4,882.29	17.64	49.22	29.81	-154.57	4,562.69	4,280.17	4,235.73	44.44	96.322		
3,900.00	3,861.07	5,100.00	4,925.50	18.10	49.75	29.77	-147.34	4,551.29	4,240.73	4,195.47	45.26	93.706		
4,000.00	3,959.90	5,154.63	4,977.86	18.57	50.30	29.73	-139.29	4,537.97	4,202.22	4,156.13	46.09	91.184		
4,100.00	4,058.72	5,200.00	5,021.52	19.03	50.76	29.71	-133.48	4,527.10	4,164.48	4,117.61	46.87	88.851		
4,200.00	4,157.54	5,200.00	5,021.52	19.50	50.76	29.71	-133.48	4,527.10	4,128.43	4,080.98	47.45	87.010		
4,300.00	4,256.37	5,258.37	5,078.08	19.96	51.22	29.70	-126.98	4,514.21	4,093.02	4,044.79	48.23	84.861		
4,400.00	4,355.19	5,300.00	5,118.73	20.43	51.54	29.70	-122.93	4,506.23	4,059.71	4,010.76	48.95	82.934		
4,500.00	4,454.01	5,325.55	5,143.77	20.89	51.69	29.70	-120.66	4,501.69	4,027.71	3,978.13	49.59	81.223		
4,600.00	4,552.83	5,383.69	5,200.86	21.36	52.03	29.71	-116.00	4,491.68	3,996.80	3,946.47	50.32	79.423		
4,700.00	4,651.66	5,428.52	5,244.97	21.82	52.25	29.73	-112.87	4,484.35	3,966.88	3,915.88	51.00	77.783		
4,800.00	4,750.48	5,468.38	5,284.31	22.29	52.44	29.75	-110.39	4,478.38	3,938.29	3,886.64	51.65	76.251		
4,900.00	4,849.30	5,500.00	5,315.57	22.76	52.59	29.76	-108.61	4,474.02	3,911.09	3,858.82	52.27	74.831		
5,000.00	4,948.13	5,543.16	5,358.34	23.22	52.74	29.79	-106.41	4,468.70	3,885.32	3,832.42	52.90	73.452		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,600.00	5,414.83	23.69	52.94	29.82	-103.82	4,462.90	3,861.24	3,807.68	53.56	72.089		
5,200.00	5,145.77	5,627.13	5,441.83	24.16	53.02	29.84	-102.67	4,460.51	3,838.33	3,784.21	54.12	70.918		
5,300.00	5,244.59	5,700.00	5,514.38	24.62	53.22	29.89	-99.48	4,454.59	3,816.55	3,761.73	54.82	69.617		
5,400.00	5,343.42	5,757.24	5,571.41	25.09	53.37	29.92	-96.99	4,450.42	3,795.58	3,740.11	55.47	68.431		
5,500.00	5,442.24	5,821.60	5,635.59	25.56	53.53	29.96	-94.32	4,446.24	3,775.46	3,719.33	56.13	67.267		
5,600.00	5,541.06	5,883.77	5,697.62	26.03	53.68	30.01	-92.20	4,442.73	3,756.26	3,699.48	56.77	66.164		
5,700.00	5,639.89	5,950.38	5,764.13	26.50	53.83	30.07	-90.56	4,439.52	3,737.95	3,680.53	57.42	65.098		
5,800.00	5,738.71	6,020.78	5,834.47	26.96	53.98	30.14	-89.57	4,436.61	3,720.45	3,662.38	58.07	64.065		
5,900.00	5,837.53	6,100.00	5,913.63	27.43	54.15	30.24	-88.94	4,433.81	3,703.60	3,644.85	58.75	63.041		
6,000.00	5,936.35	6,182.71	5,996.30	27.90	54.33	30.34	-88.63	4,431.22	3,687.22	3,627.79	59.43	62.039		
6,100.00	6,035.18	6,270.31	6,083.87	28.37	54.51	30.45	-88.71	4,428.72	3,671.17	3,611.04	60.13	61.050		
6,200.00	6,134.00	6,355.01	6,168.53	28.84	54.69	30.56	-89.23	4,426.51	3,655.46	3,594.63	60.82	60.101		
6,300.00	6,232.82	6,451.37	6,264.87	29.31	54.89	30.70	-90.11	4,424.29	3,640.08	3,578.53	61.55	59.141		
6,400.00	6,331.64	6,563.79	6,377.24	29.77	55.13	30.87	-91.47	4,421.35	3,624.47	3,562.14	62.33	58.147		
6,477.15	6,407.89	6,641.37	6,454.77	30.14	55.30	30.99	-92.53	4,419.10	3,612.24	3,549.33	62.91	57.422		
6,500.00	6,430.52	6,662.42	6,475.81	30.24	55.35	37.21	-92.86	4,418.49	3,609.03	3,545.96	63.07	57.223		
6,550.00	6,480.31	6,710.92	6,524.29	30.46	55.45	72.57	-93.70	4,417.11	3,604.85	3,541.42	63.43	56.833		
6,579.89	6,510.16	6,745.47	6,558.82	30.58	55.53	117.48	-94.29	4,416.11	3,604.17	3,540.52	63.66	56.620 CC, ES		
6,600.00	6,530.22	6,768.72	6,582.06	30.66	55.58	140.95	-94.66	4,415.41	3,604.48	3,540.67	63.81	56.489		
6,650.00	6,579.93	6,826.19	6,639.49	30.85	55.71	165.76	-95.50	4,413.60	3,607.87	3,543.70	64.17	56.219		
6,700.00	6,629.13	6,882.93	6,696.20	31.04	55.84	174.32	-96.35	4,411.69	3,615.02	3,550.49	64.53	56.021		
6,750.00	6,677.53	6,925.54	6,738.78	31.23	55.93	178.54	-97.02	4,410.22	3,625.93	3,561.11	64.83	55.932		
6,800.00	6,724.83	6,961.49	6,774.70	31.43	56.01	-178.88	-97.63	4,409.09	3,640.73	3,575.64	65.09	55.931 SF		
6,850.00	6,770.73	7,000.00	6,813.19	31.63	56.10	-177.06	-98.34	4,407.99	3,659.33	3,593.97	65.36	55.990		
6,900.00	6,814.95	7,057.41	6,870.57	31.84	56.23	-175.62	-99.42	4,406.33	3,681.43	3,615.75	65.68	56.055		
6,950.00	6,857.22	7,153.57	6,966.64	32.06	56.46	-174.40	-101.10	4,402.77	3,706.64	3,640.53	66.11	56.065		
7,000.00	6,897.28	7,217.40	7,030.38	32.29	56.61	-173.27	-102.04	4,399.52	3,734.39	3,667.96	66.43	56.214		
7,050.00	6,934.88	7,240.11	7,053.07	32.54	56.67	-172.11	-102.27	4,398.42	3,765.37	3,698.76	66.61	56.530		
7,100.00	6,969.79	7,261.17	7,074.11	32.81	56.72	-170.85	-102.42	4,397.49	3,799.41	3,732.65	66.77	56.905		
7,150.00	7,001.79	7,280.45	7,093.37	33.11	56.77	-169.44	-102.50	4,396.73	3,836.29	3,769.38	66.91	57.335		
7,200.00	7,030.69	7,300.00	7,112.91	33.44	56.81	-167.76	-102.53	4,396.04	3,875.73	3,808.69	67.04	57.809		
7,250.00	7,056.31	7,317.45	7,130.34	33.81	56.86	-165.67	-102.53	4,395.47	3,917.46	3,850.29	67.16	58.327		
7,300.00	7,078.48	7,335.12	7,148.00	34.21	56.90	-162.97	-102.53	4,394.92	3,961.17	3,893.89	67.28	58.878		
7,350.00	7,097.08	7,350.05	7,162.93	34.65	56.93	-159.30	-102.52	4,394.47	4,006.57	3,939.20	67.38	59.466		
7,400.00	7,112.00	7,362.17	7,175.05	35.12	56.96	-153.99	-102.51	4,394.13	4,053.39	3,985.93	67.46	60.085		
7,450.00	7,123.12	7,371.44	7,184.31	35.64	56.98	-145.79	-102.50	4,393.87	4,101.31	4,033.78	67.53	60.729		
7,500.00	7,130.40	7,377.81	7,190.68	36.19	57.00	-132.34	-102.49	4,393.70	4,150.04	4,082.45	67.60	61.393		
7,550.00	7,133.78	7,381.28	7,194.15	36.77	57.01	-110.25	-102.49	4,393.61	4,199.27	4,131.62	67.65	62.072		
7,574.97	7,134.00	7,381.92	7,194.79	37.06	57.01	-96.00	-102.49	4,393.59	4,223.95	4,156.28	67.68	62.414		
7,600.00	7,133.73	7,382.21	7,195.08	37.37	57.01	-96.03	-102.49	4,393.58	4,248.70	4,181.00	67.70	62.758		
7,700.00	7,132.66	7,383.34	7,196.21	38.71	57.01	-96.13	-102.49	4,393.55	4,347.61	4,279.82	67.79	64.129		
7,800.00	7,131.59	7,384.45	7,197.32	40.20	57.01	-96.23	-102.48	4,393.53	4,446.58	4,378.68	67.89	65.497		
7,900.00	7,130.52	7,385.55	7,198.42	41.84	57.02	-96.33	-102.48	4,393.50	4,545.58	4,477.59	67.99	66.860		
8,000.00	7,129.45	7,386.64	7,199.51	43.60	57.02	-96.43	-102.48	4,393.47	4,644.63	4,576.55	68.08	68.219		
8,100.00	7,128.38	7,387.72	7,200.58	45.47	57.02	-96.52	-102.48	4,393.44	4,743.72	4,675.54	68.18	69.575		
8,200.00	7,127.31	7,388.78	7,201.64	47.44	57.02	-96.62	-102.48	4,393.41	4,842.84	4,774.56	68.28	70.926		
8,300.00	7,126.24	7,389.82	7,202.69	49.49	57.03	-96.71	-102.48	4,393.39	4,942.00	4,873.62	68.38	72.275		
8,400.00	7,125.17	7,390.86	7,203.72	51.61	57.03	-96.81	-102.48	4,393.36	5,041.20	4,972.72	68.48	73.619		
8,500.00	7,124.10	7,400.00	7,212.86	53.81	57.05	-97.63	-102.46	4,393.13	5,140.43	5,071.83	68.60	74.931		
8,600.00	7,123.03	7,400.00	7,212.86	56.06	57.05	-97.63	-102.46	4,393.13	5,239.68	5,170.98	68.70	76.272		
8,700.00	7,121.96	7,400.00	7,212.86	58.36	57.05	-97.63	-102.46	4,393.13	5,338.96	5,270.17	68.79	77.611		
8,800.00	7,120.89	7,400.00	7,212.86	60.71	57.05	-97.63	-102.46	4,393.13	5,438.26	5,369.38	68.89	78.946		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,400.00	7,212.86	63.10	57.05	-97.63	-102.46	4,393.13	5,537.59	5,468.61	68.98	80.277		
9,000.00	7,118.75	7,400.00	7,212.86	65.53	57.05	-97.63	-102.46	4,393.13	5,636.95	5,567.87	69.08	81.606		
9,100.00	7,117.68	7,400.00	7,212.86	67.98	57.05	-97.63	-102.46	4,393.13	5,736.32	5,667.15	69.17	82.932		
9,200.00	7,116.61	7,400.00	7,212.86	70.47	57.05	-97.63	-102.46	4,393.13	5,835.72	5,766.46	69.26	84.254		
9,300.00	7,115.54	7,400.00	7,212.86	72.98	57.05	-97.63	-102.46	4,393.13	5,935.14	5,865.78	69.36	85.574		
9,400.00	7,114.47	7,400.00	7,212.86	75.52	57.05	-97.63	-102.46	4,393.13	6,034.58	5,965.13	69.45	86.890		
9,500.00	7,113.40	7,400.00	7,212.86	78.08	57.05	-97.63	-102.46	4,393.13	6,134.03	6,064.49	69.54	88.204		
9,600.00	7,112.33	7,400.00	7,212.86	80.65	57.05	-97.63	-102.46	4,393.13	6,233.50	6,163.87	69.64	89.515		
9,700.00	7,111.26	7,400.00	7,212.86	83.25	57.05	-97.63	-102.46	4,393.13	6,332.99	6,263.26	69.73	90.822		
9,800.00	7,110.19	7,400.00	7,212.86	85.86	57.05	-97.63	-102.46	4,393.13	6,432.50	6,362.68	69.82	92.127		
9,900.00	7,109.12	7,400.00	7,212.86	88.48	57.05	-97.63	-102.46	4,393.13	6,532.02	6,462.11	69.91	93.429		
10,000.00	7,108.04	7,400.00	7,212.86	91.12	57.05	-97.63	-102.46	4,393.13	6,631.55	6,561.55	70.01	94.727		
10,100.00	7,106.97	7,400.00	7,212.86	93.77	57.05	-97.63	-102.46	4,393.13	6,731.10	6,661.00	70.10	96.023		
10,200.00	7,105.90	7,400.00	7,212.86	96.43	57.05	-97.63	-102.46	4,393.13	6,830.66	6,760.47	70.19	97.316		
10,300.00	7,104.83	7,400.00	7,212.86	99.10	57.05	-97.63	-102.46	4,393.13	6,930.24	6,859.96	70.28	98.606		
10,400.00	7,103.76	7,400.00	7,212.86	101.78	57.05	-97.63	-102.46	4,393.13	7,029.83	6,959.45	70.37	99.892		
10,500.00	7,102.69	7,400.00	7,212.86	104.47	57.05	-97.63	-102.46	4,393.13	7,129.42	7,058.96	70.47	101.176		
10,600.00	7,101.62	7,400.00	7,212.86	107.16	57.05	-97.63	-102.46	4,393.13	7,229.03	7,158.48	70.56	102.457		
10,700.00	7,100.55	7,400.00	7,212.86	109.87	57.05	-97.63	-102.46	4,393.13	7,328.65	7,258.00	70.65	103.734		
10,800.00	7,099.48	7,400.00	7,212.86	112.58	57.05	-97.63	-102.46	4,393.13	7,428.28	7,357.54	70.74	105.009		
10,900.00	7,098.41	7,400.00	7,212.86	115.29	57.05	-97.63	-102.46	4,393.13	7,527.92	7,457.09	70.83	106.281		
11,000.00	7,097.34	7,400.00	7,212.86	118.02	57.05	-97.63	-102.46	4,393.13	7,627.57	7,556.65	70.92	107.549		
11,100.00	7,096.27	7,400.00	7,212.86	120.74	57.05	-97.63	-102.46	4,393.13	7,727.23	7,656.22	71.01	108.814		
11,200.00	7,095.20	7,400.00	7,212.86	123.48	57.05	-97.63	-102.46	4,393.13	7,826.90	7,755.79	71.10	110.077		
11,300.00	7,094.13	7,400.00	7,212.86	126.22	57.05	-97.63	-102.46	4,393.13	7,926.57	7,855.38	71.20	111.336		
11,400.00	7,093.06	7,400.00	7,212.86	128.96	57.05	-97.63	-102.46	4,393.13	8,026.26	7,954.97	71.29	112.591		
11,500.00	7,091.99	7,400.00	7,212.86	131.71	57.05	-97.63	-102.46	4,393.13	8,125.95	8,054.57	71.38	113.844		
11,600.00	7,090.92	7,400.00	7,212.86	134.46	57.05	-97.63	-102.46	4,393.13	8,225.65	8,154.18	71.47	115.094		
11,700.00	7,089.85	7,400.00	7,212.86	137.21	57.05	-97.63	-102.46	4,393.13	8,325.35	8,253.79	71.56	116.340		
11,800.00	7,088.78	7,400.00	7,212.86	139.97	57.05	-97.63	-102.46	4,393.13	8,425.07	8,353.41	71.65	117.583		
11,900.00	7,087.71	7,400.00	7,212.86	142.73	57.05	-97.63	-102.46	4,393.13	8,524.79	8,453.04	71.74	118.823		
12,000.00	7,086.64	7,400.00	7,212.86	145.50	57.05	-97.63	-102.46	4,393.13	8,624.51	8,552.68	71.84	120.059		
12,100.00	7,085.57	7,400.00	7,212.86	148.26	57.05	-97.63	-102.46	4,393.13	8,724.24	8,652.32	71.93	121.292		
12,200.00	7,084.50	7,400.00	7,212.86	151.03	57.05	-97.63	-102.46	4,393.13	8,823.98	8,751.96	72.02	122.522		
12,300.00	7,083.43	7,400.00	7,212.86	153.81	57.05	-97.63	-102.46	4,393.13	8,923.73	8,851.62	72.11	123.749		
12,400.00	7,082.36	7,400.00	7,212.86	156.58	57.05	-97.63	-102.46	4,393.13	9,023.48	8,951.27	72.20	124.972		
12,500.00	7,081.29	7,400.00	7,212.86	159.36	57.05	-97.63	-102.46	4,393.13	9,123.23	9,050.94	72.30	126.192		
12,600.00	7,080.22	7,400.00	7,212.86	162.14	57.05	-97.63	-102.46	4,393.13	9,222.99	9,150.60	72.39	127.408		
12,700.00	7,079.15	7,400.00	7,212.86	164.92	57.05	-97.63	-102.46	4,393.13	9,322.76	9,250.28	72.48	128.621		
12,800.00	7,078.08	7,400.00	7,212.86	167.71	57.05	-97.63	-102.46	4,393.13	9,422.53	9,349.95	72.58	129.830		
12,900.00	7,077.01	7,400.00	7,212.86	170.49	57.05	-97.63	-102.46	4,393.13	9,522.31	9,449.64	72.67	131.036		
13,000.00	7,075.93	7,400.00	7,212.86	173.28	57.05	-97.63	-102.46	4,393.13	9,622.09	9,549.32	72.76	132.239		
13,100.00	7,074.86	7,400.00	7,212.86	176.07	57.05	-97.63	-102.46	4,393.13	9,721.87	9,649.01	72.86	133.438		
13,200.00	7,073.79	7,400.00	7,212.86	178.86	57.05	-97.63	-102.46	4,393.13	9,821.66	9,748.71	72.95	134.634		
13,300.00	7,072.72	7,400.00	7,212.86	181.65	57.05	-97.63	-102.46	4,393.13	9,921.45	9,848.41	73.05	135.826		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	1,270.38	1,249.12	3.28	9.90	98.28	-786.01	5,403.28	5,612.57					
100.00	100.00	1,431.57	1,402.46	3.28	11.82	98.62	-812.52	5,361.28	5,588.62	5,575.90	12.72	439.495		
200.00	200.00	1,500.00	1,467.45	3.34	12.65	98.77	-824.35	5,343.45	5,564.86	5,551.54	13.32	417.801		
300.00	300.00	1,539.87	1,505.35	3.44	13.12	98.86	-831.52	5,333.32	5,541.81	5,528.07	13.73	403.578		
400.00	399.98	1,600.00	1,562.62	3.60	13.81	32.62	-842.10	5,318.40	5,518.07	5,503.69	14.38	383.682		
500.00	499.84	1,686.80	1,645.43	3.80	14.77	33.13	-857.18	5,297.20	5,491.95	5,476.65	15.30	359.024		
600.00	599.45	600.00	1,817.66	4.05	3.69	33.98	-887.79	5,252.00	5,462.60	5,454.53	8.07	677.294		
700.00	698.70	1,973.52	1,918.65	4.32	18.06	34.69	-904.22	5,224.16	5,429.14	5,410.95	18.19	298.436		
740.00	738.27	2,000.00	1,943.92	4.45	18.37	34.95	-908.22	5,217.33	5,415.20	5,396.67	18.53	292.268		
800.00	797.57	2,041.22	1,983.27	4.63	18.84	35.08	-914.49	5,206.78	5,394.12	5,375.08	19.04	283.328		
900.00	896.39	2,118.89	2,057.38	4.96	19.72	35.33	-926.63	5,186.92	5,359.21	5,339.22	19.99	268.155		
1,000.00	995.21	2,183.42	2,118.96	5.32	20.44	35.55	-936.91	5,170.65	5,324.78	5,303.92	20.86	255.273		
1,100.00	1,094.03	2,239.96	2,172.97	5.69	21.06	35.74	-946.13	5,156.65	5,290.97	5,269.28	21.70	243.865		
1,200.00	1,192.86	2,300.00	2,230.31	6.07	21.71	35.95	-956.41	5,142.15	5,257.93	5,235.34	22.59	232.782		
1,300.00	1,291.68	2,506.85	2,428.44	6.47	23.90	36.63	-986.96	5,091.25	5,224.44	5,199.86	24.58	212.538		
1,400.00	1,390.50	2,547.14	2,467.05	6.88	24.32	36.76	-992.48	5,081.16	5,190.35	5,165.03	25.32	204.994		
1,500.00	1,489.33	2,600.00	2,517.68	7.29	24.88	36.94	-1,000.47	5,068.24	5,157.17	5,131.01	26.17	197.077		
1,600.00	1,588.15	2,906.97	2,810.08	7.71	28.52	38.01	-1,045.18	4,986.34	5,121.00	5,091.89	29.11	175.909		
1,700.00	1,686.97	3,067.91	2,962.18	8.14	30.72	38.60	-1,069.10	4,939.52	5,083.87	5,052.84	31.03	163.863		
1,800.00	1,785.79	3,214.77	3,100.54	8.57	32.83	39.16	-1,090.45	4,895.12	5,045.87	5,013.00	32.86	153.540		
1,900.00	1,884.62	3,251.52	3,135.26	9.01	33.31	39.29	-1,095.37	4,884.16	5,008.04	4,974.35	33.70	148.621		
2,000.00	1,983.44	3,300.00	3,181.22	9.45	33.98	39.47	-1,101.64	4,870.05	4,971.09	4,936.44	34.65	143.472		
2,100.00	2,082.26	3,421.82	3,296.27	9.89	35.65	39.94	-1,119.08	4,834.02	4,934.03	4,897.76	36.27	136.030		
2,200.00	2,181.09	3,466.54	3,338.49	10.33	36.27	40.12	-1,125.81	4,820.89	4,897.56	4,860.31	37.25	131.483		
2,300.00	2,279.91	3,600.00	3,465.20	10.78	38.01	40.62	-1,142.95	4,782.70	4,861.63	4,822.72	38.91	124.961		
2,400.00	2,378.73	4,096.54	3,929.18	11.23	46.27	42.63	-1,204.63	4,619.03	4,823.44	4,779.34	44.10	109.378		
2,500.00	2,477.55	4,165.91	3,992.27	11.68	47.82	42.98	-1,215.95	4,592.52	4,779.86	4,734.18	45.67	104.657		
2,600.00	2,576.38	4,200.00	4,023.33	12.13	48.59	43.15	-1,221.46	4,579.58	4,736.93	4,690.11	46.81	101.187		
2,700.00	2,675.20	4,250.13	4,069.23	12.59	49.59	43.39	-1,229.31	4,561.04	4,694.91	4,646.80	48.11	97.592		
2,800.00	2,774.02	4,300.00	4,115.33	13.04	50.59	43.63	-1,236.65	4,543.49	4,654.19	4,604.78	49.41	94.194		
2,900.00	2,872.85	4,378.91	4,188.55	13.50	52.04	44.00	-1,247.70	4,516.21	4,614.20	4,563.23	50.97	90.526		
3,000.00	2,971.67	4,460.82	4,264.38	13.96	53.58	44.39	-1,259.31	4,487.52	4,574.12	4,521.49	52.62	86.923		
3,100.00	3,070.49	4,500.00	4,300.54	14.41	54.32	44.59	-1,265.44	4,473.74	4,534.66	4,480.83	53.83	84.239		
3,200.00	3,169.31	4,556.69	4,352.90	14.87	55.37	44.88	-1,274.81	4,454.13	4,496.10	4,440.82	55.28	81.337		
3,300.00	3,268.14	4,600.00	4,393.03	15.33	56.18	45.11	-1,282.27	4,439.64	4,458.77	4,402.19	56.58	78.806		
3,400.00	3,366.96	4,640.58	4,430.71	15.79	56.87	45.32	-1,289.46	4,426.40	4,422.57	4,364.73	57.84	76.464		
3,500.00	3,465.78	4,700.00	4,486.01	16.25	57.88	45.64	-1,300.26	4,407.55	4,387.51	4,328.18	59.33	73.946		
3,600.00	3,564.61	4,732.77	4,516.63	16.72	58.37	45.82	-1,306.16	4,397.48	4,353.47	4,293.00	60.47	71.993		
3,700.00	3,663.43	4,781.62	4,562.56	17.18	59.09	46.07	-1,314.41	4,383.01	4,320.55	4,258.77	61.78	69.933		
3,800.00	3,762.25	4,841.57	4,619.34	17.64	59.88	46.37	-1,323.54	4,366.09	4,288.62	4,225.50	63.12	67.945		
3,900.00	3,861.07	4,900.00	4,675.06	18.10	60.60	46.64	-1,331.23	4,350.30	4,257.45	4,193.04	64.40	66.108		
4,000.00	3,959.90	4,942.05	4,715.45	18.57	61.00	46.83	-1,336.04	4,339.59	4,227.36	4,161.91	65.45	64.592		
4,100.00	4,058.72	5,000.00	4,771.52	19.03	61.55	47.06	-1,341.79	4,326.17	4,198.74	4,132.16	66.58	63.059		
4,200.00	4,157.54	5,043.99	4,814.27	19.50	61.89	47.24	-1,345.74	4,316.59	4,171.12	4,103.54	67.58	61.723		
4,300.00	4,256.37	5,118.99	4,887.19	19.96	62.47	47.54	-1,352.39	4,300.32	4,144.03	4,075.31	68.72	60.307		
4,400.00	4,355.19	5,168.35	4,935.33	20.43	62.81	47.72	-1,356.44	4,290.22	4,117.90	4,048.20	69.70	59.077		
4,500.00	4,454.01	5,200.00	4,966.29	20.89	63.03	47.84	-1,358.84	4,284.11	4,093.00	4,022.39	70.60	57.971		
4,600.00	4,552.83	5,256.65	5,021.91	21.36	63.33	48.04	-1,362.72	4,274.07	4,069.28	3,997.74	71.54	56.880		
4,700.00	4,651.66	5,300.00	5,064.64	21.82	63.56	48.19	-1,365.34	4,267.26	4,046.97	3,974.55	72.42	55.879		
4,800.00	4,750.48	5,344.85	5,108.97	22.29	63.73	48.33	-1,367.76	4,260.94	4,025.99	3,952.74	73.25	54.959		
4,900.00	4,849.30	5,400.00	5,163.64	22.76	63.93	48.50	-1,370.35	4,254.13	4,006.31	3,932.21	74.10	54.066		
5,000.00	4,948.13	5,446.68	5,210.01	23.22	64.07	48.63	-1,372.23	4,249.07	3,987.78	3,912.90	74.88	53.255		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,500.00	5,263.05	23.69	64.22	48.78	-1,374.05	4,243.95	3,970.33	3,894.66	75.67	52.472		
5,200.00	5,145.77	5,564.24	5,327.04	24.16	64.37	48.94	-1,375.92	4,238.59	3,953.88	3,877.44	76.44	51.725		
5,300.00	5,244.59	5,624.31	5,386.93	24.62	64.50	49.09	-1,377.47	4,234.32	3,938.41	3,861.22	77.19	51.020		
5,400.00	5,343.42	5,684.29	5,446.79	25.09	64.62	49.23	-1,378.89	4,230.74	3,923.95	3,846.02	77.93	50.352		
5,500.00	5,442.24	5,741.45	5,503.87	25.56	64.73	49.36	-1,380.03	4,228.05	3,910.51	3,831.87	78.64	49.725		
5,600.00	5,541.06	5,800.00	5,562.39	26.03	64.83	49.49	-1,380.75	4,226.22	3,898.18	3,818.84	79.34	49.132		
5,700.00	5,639.89	5,880.68	5,643.05	26.50	64.96	49.64	-1,381.29	4,224.57	3,886.63	3,806.56	80.06	48.545		
5,800.00	5,738.71	5,958.93	5,721.29	26.96	65.09	49.79	-1,381.62	4,223.43	3,875.54	3,794.77	80.77	47.980		
5,900.00	5,837.53	6,044.06	5,806.42	27.43	65.22	49.95	-1,381.93	4,222.71	3,865.01	3,783.51	81.50	47.425		
6,000.00	5,936.35	6,136.08	5,898.44	27.90	65.37	50.12	-1,382.25	4,222.12	3,854.69	3,772.46	82.23	46.876		
6,100.00	6,035.18	6,224.07	5,986.42	28.37	65.52	50.28	-1,382.60	4,221.77	3,844.65	3,761.70	82.96	46.345		
6,200.00	6,134.00	6,314.43	6,076.79	28.84	65.67	50.44	-1,383.00	4,221.68	3,834.92	3,751.24	83.69	45.823		
6,300.00	6,232.82	6,416.24	6,178.59	29.31	65.84	50.63	-1,383.46	4,221.60	3,825.27	3,740.83	84.45	45.299		
6,400.00	6,331.64	6,511.67	6,274.02	29.77	66.00	50.80	-1,383.75	4,221.60	3,815.66	3,730.47	85.19	44.790		
6,477.15	6,407.89	6,578.08	6,340.43	30.14	66.12	50.92	-1,383.87	4,221.78	3,808.41	3,722.66	85.75	44.414		
6,500.00	6,430.52	6,597.80	6,360.15	30.24	66.15	57.11	-1,383.90	4,221.88	3,806.66	3,720.75	85.91	44.309		
6,544.12	6,474.45	6,641.88	6,404.23	30.43	66.23	85.50	-1,383.97	4,222.11	3,805.33	3,719.11	86.22	44.135 CC		
6,550.00	6,480.31	6,647.81	6,410.16	30.46	66.24	92.48	-1,383.98	4,222.14	3,805.35	3,719.09	86.26	44.114 ES		
6,600.00	6,530.22	6,698.26	6,460.61	30.66	66.33	160.92	-1,384.09	4,222.38	3,807.46	3,720.88	86.58	43.976		
6,650.00	6,579.93	6,753.95	6,516.30	30.85	66.43	-174.13	-1,384.17	4,222.62	3,812.94	3,726.06	86.88	43.888		
6,700.00	6,629.13	6,809.29	6,571.64	31.04	66.53	-165.35	-1,384.15	4,222.80	3,821.72	3,734.57	87.15	43.851 SF		
6,750.00	6,677.53	6,843.62	6,605.97	31.23	66.59	-160.80	-1,384.20	4,222.94	3,833.89	3,746.53	87.36	43.887		
6,800.00	6,724.83	6,879.96	6,642.31	31.43	66.65	-157.78	-1,384.33	4,223.16	3,849.45	3,761.91	87.54	43.972		
6,850.00	6,770.73	6,900.00	6,662.35	31.63	66.69	-155.37	-1,384.44	4,223.31	3,868.34	3,780.68	87.67	44.126		
6,900.00	6,814.95	6,900.00	6,662.35	31.84	66.69	-153.11	-1,384.44	4,223.31	3,890.73	3,803.02	87.71	44.359		
6,950.00	6,857.22	6,900.00	6,662.35	32.06	66.69	-150.83	-1,384.44	4,223.31	3,916.48	3,828.76	87.72	44.647		
7,000.00	6,897.28	6,900.00	6,662.35	32.29	66.69	-148.40	-1,384.44	4,223.31	3,945.37	3,857.66	87.71	44.984		
7,050.00	6,934.88	6,900.00	6,662.35	32.54	66.69	-145.68	-1,384.44	4,223.31	3,977.16	3,889.49	87.66	45.368		
7,100.00	6,969.79	6,900.00	6,662.35	32.81	66.69	-142.56	-1,384.44	4,223.31	4,011.58	3,923.98	87.60	45.792		
7,150.00	7,001.79	6,900.00	6,662.35	33.11	66.69	-138.92	-1,384.44	4,223.31	4,048.37	3,960.84	87.53	46.252		
7,200.00	7,030.69	6,900.00	6,662.35	33.44	66.69	-134.62	-1,384.44	4,223.31	4,087.22	3,999.78	87.44	46.742		
7,250.00	7,056.31	6,900.00	6,662.35	33.81	66.69	-129.52	-1,384.44	4,223.31	4,127.85	4,040.50	87.35	47.257		
7,300.00	7,078.48	6,900.00	6,662.35	34.21	66.69	-123.47	-1,384.44	4,223.31	4,169.96	4,082.70	87.25	47.791		
7,350.00	7,097.08	6,900.00	6,662.35	34.65	66.69	-116.40	-1,384.44	4,223.31	4,213.24	4,126.08	87.16	48.338		
7,400.00	7,112.00	6,900.00	6,662.35	35.12	66.69	-108.30	-1,384.44	4,223.31	4,257.41	4,170.33	87.08	48.893		
7,450.00	7,123.12	6,900.00	6,662.35	35.64	66.69	-99.37	-1,384.44	4,223.31	4,302.16	4,215.16	87.00	49.452		
7,500.00	7,130.40	6,900.00	6,662.35	36.19	66.69	-90.01	-1,384.44	4,223.31	4,347.20	4,260.27	86.93	50.008		
7,550.00	7,133.78	6,900.00	6,662.35	36.77	66.69	-80.73	-1,384.44	4,223.31	4,392.25	4,305.38	86.88	50.558		
7,574.97	7,134.00	6,900.00	6,662.35	37.06	66.69	-76.30	-1,384.44	4,223.31	4,414.68	4,327.82	86.85	50.829		
7,600.00	7,133.73	6,900.00	6,662.35	37.37	66.69	-76.30	-1,384.44	4,223.31	4,437.12	4,350.28	86.84	51.098		
7,700.00	7,132.66	6,900.00	6,662.35	38.71	66.69	-76.30	-1,384.44	4,223.31	4,527.05	4,440.27	86.79	52.164		
7,800.00	7,131.59	6,900.00	6,662.35	40.20	66.69	-76.30	-1,384.44	4,223.31	4,617.40	4,530.64	86.77	53.216		
7,900.00	7,130.52	6,900.00	6,662.35	41.84	66.69	-76.30	-1,384.44	4,223.31	4,708.14	4,621.37	86.77	54.257		
8,000.00	7,129.45	6,900.00	6,662.35	43.60	66.69	-76.30	-1,384.44	4,223.31	4,799.25	4,712.44	86.81	55.287		
8,100.00	7,128.38	6,900.00	6,662.35	45.47	66.69	-76.30	-1,384.44	4,223.31	4,890.71	4,803.85	86.86	56.307		
8,200.00	7,127.31	6,900.00	6,662.35	47.44	66.69	-76.30	-1,384.44	4,223.31	4,982.49	4,895.56	86.93	57.318		
8,300.00	7,126.24	6,900.00	6,662.35	49.49	66.69	-76.30	-1,384.44	4,223.31	5,074.58	4,987.57	87.01	58.321		
8,400.00	7,125.17	6,900.00	6,662.35	51.61	66.69	-76.30	-1,384.44	4,223.31	5,166.97	5,079.86	87.11	59.316		
8,500.00	7,124.10	6,900.00	6,662.35	53.81	66.69	-76.30	-1,384.44	4,223.31	5,259.64	5,172.42	87.22	60.305		
8,600.00	7,123.03	6,900.00	6,662.35	56.06	66.69	-76.30	-1,384.44	4,223.31	5,352.57	5,265.24	87.33	61.288		
8,700.00	7,121.96	6,900.00	6,662.35	58.36	66.69	-76.30	-1,384.44	4,223.31	5,445.75	5,358.29	87.46	62.266		
8,800.00	7,120.89	6,900.00	6,662.35	60.71	66.69	-76.30	-1,384.44	4,223.31	5,539.17	5,451.58	87.59	63.238		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	6,900.00	6,662.35	63.10	66.69	-76.30	-1,384.44	4,223.31	5,632.81	5,545.08	87.73	64.207		
9,000.00	7,118.75	6,900.00	6,662.35	65.53	66.69	-76.30	-1,384.44	4,223.31	5,726.67	5,638.80	87.87	65.171		
9,100.00	7,117.68	6,900.00	6,662.35	67.98	66.69	-76.30	-1,384.44	4,223.31	5,820.74	5,732.72	88.02	66.131		
9,200.00	7,116.61	6,900.00	6,662.35	70.47	66.69	-76.30	-1,384.44	4,223.31	5,915.00	5,826.83	88.17	67.088		
9,300.00	7,115.54	6,900.00	6,662.35	72.98	66.69	-76.30	-1,384.44	4,223.31	6,009.44	5,921.12	88.32	68.042		
9,400.00	7,114.47	6,900.00	6,662.35	75.52	66.69	-76.30	-1,384.44	4,223.31	6,104.06	6,015.59	88.47	68.994		
9,500.00	7,113.40	6,900.00	6,662.35	78.08	66.69	-76.30	-1,384.44	4,223.31	6,198.85	6,110.23	88.63	69.943		
9,600.00	7,112.33	6,900.00	6,662.35	80.65	66.69	-76.30	-1,384.44	4,223.31	6,293.81	6,205.02	88.78	70.889		
9,700.00	7,111.26	6,900.00	6,662.35	83.25	66.69	-76.30	-1,384.44	4,223.31	6,388.91	6,299.97	88.94	71.833		
9,800.00	7,110.19	6,900.00	6,662.35	85.86	66.69	-76.30	-1,384.44	4,223.31	6,484.16	6,395.07	89.10	72.776		
9,900.00	7,109.12	6,900.00	6,662.35	88.48	66.69	-76.30	-1,384.44	4,223.31	6,579.56	6,490.30	89.25	73.717		
10,000.00	7,108.04	6,900.00	6,662.35	91.12	66.69	-76.30	-1,384.44	4,223.31	6,675.09	6,585.68	89.41	74.655		
10,100.00	7,106.97	6,900.00	6,662.35	93.77	66.69	-76.30	-1,384.44	4,223.31	6,770.75	6,681.18	89.57	75.593		
10,200.00	7,105.90	6,900.00	6,662.35	96.43	66.69	-76.30	-1,384.44	4,223.31	6,866.53	6,776.80	89.72	76.529		
10,300.00	7,104.83	6,900.00	6,662.35	99.10	66.69	-76.30	-1,384.44	4,223.31	6,962.43	6,872.55	89.88	77.463		
10,400.00	7,103.76	6,900.00	6,662.35	101.78	66.69	-76.30	-1,384.44	4,223.31	7,058.44	6,968.41	90.04	78.396		
10,500.00	7,102.69	6,900.00	6,662.35	104.47	66.69	-76.30	-1,384.44	4,223.31	7,154.56	7,064.38	90.19	79.328		
10,600.00	7,101.62	6,900.00	6,662.35	107.16	66.69	-76.30	-1,384.44	4,223.31	7,250.79	7,160.45	90.34	80.259		
10,700.00	7,100.55	6,900.00	6,662.35	109.87	66.69	-76.30	-1,384.44	4,223.31	7,347.12	7,256.63	90.49	81.189		
10,800.00	7,099.48	6,900.00	6,662.35	112.58	66.69	-76.30	-1,384.44	4,223.31	7,443.55	7,352.90	90.65	82.117		
10,900.00	7,098.41	6,900.00	6,662.35	115.29	66.69	-76.30	-1,384.44	4,223.31	7,540.07	7,449.27	90.80	83.045		
11,000.00	7,097.34	6,900.00	6,662.35	118.02	66.69	-76.30	-1,384.44	4,223.31	7,636.67	7,545.73	90.94	83.971		
11,100.00	7,096.27	6,900.00	6,662.35	120.74	66.69	-76.30	-1,384.44	4,223.31	7,733.37	7,642.28	91.09	84.897		
11,200.00	7,095.20	6,900.00	6,662.35	123.48	66.69	-76.30	-1,384.44	4,223.31	7,830.15	7,738.91	91.24	85.821		
11,300.00	7,094.13	6,900.00	6,662.35	126.22	66.69	-76.30	-1,384.44	4,223.31	7,927.00	7,835.62	91.38	86.745		
11,400.00	7,093.06	6,900.00	6,662.35	128.96	66.69	-76.30	-1,384.44	4,223.31	8,023.94	7,932.41	91.53	87.667		
11,500.00	7,091.99	6,900.00	6,662.35	131.71	66.69	-76.30	-1,384.44	4,223.31	8,120.95	8,029.28	91.67	88.589		
11,600.00	7,090.92	6,900.00	6,662.35	134.46	66.69	-76.30	-1,384.44	4,223.31	8,218.03	8,126.22	91.81	89.509		
11,700.00	7,089.85	6,900.00	6,662.35	137.21	66.69	-76.30	-1,384.44	4,223.31	8,315.18	8,223.23	91.95	90.429		
11,800.00	7,088.78	6,900.00	6,662.35	139.97	66.69	-76.30	-1,384.44	4,223.31	8,412.39	8,320.30	92.09	91.348		
11,900.00	7,087.71	6,900.00	6,662.35	142.73	66.69	-76.30	-1,384.44	4,223.31	8,509.68	8,417.45	92.23	92.266		
12,000.00	7,086.64	6,900.00	6,662.35	145.50	66.69	-76.30	-1,384.44	4,223.31	8,607.02	8,514.65	92.37	93.183		
12,100.00	7,085.57	6,900.00	6,662.35	148.26	66.69	-76.30	-1,384.44	4,223.31	8,704.42	8,611.92	92.50	94.099		
12,200.00	7,084.50	6,900.00	6,662.35	151.03	66.69	-76.30	-1,384.44	4,223.31	8,801.89	8,709.25	92.64	95.014		
12,300.00	7,083.43	6,900.00	6,662.35	153.81	66.69	-76.30	-1,384.44	4,223.31	8,899.40	8,806.63	92.77	95.928		
12,400.00	7,082.36	6,900.00	6,662.35	156.58	66.69	-76.30	-1,384.44	4,223.31	8,996.98	8,904.07	92.90	96.842		
12,500.00	7,081.29	6,900.00	6,662.35	159.36	66.69	-76.30	-1,384.44	4,223.31	9,094.60	9,001.57	93.04	97.754		
12,600.00	7,080.22	6,900.00	6,662.35	162.14	66.69	-76.30	-1,384.44	4,223.31	9,192.28	9,099.11	93.17	98.665		
12,700.00	7,079.15	6,900.00	6,662.35	164.92	66.69	-76.30	-1,384.44	4,223.31	9,290.00	9,196.71	93.30	99.576		
12,800.00	7,078.08	6,900.00	6,662.35	167.71	66.69	-76.30	-1,384.44	4,223.31	9,387.78	9,294.35	93.42	100.485		
12,900.00	7,077.01	6,900.00	6,662.35	170.49	66.69	-76.30	-1,384.44	4,223.31	9,485.60	9,392.05	93.55	101.394		
13,000.00	7,075.93	6,900.00	6,662.35	173.28	66.69	-76.30	-1,384.44	4,223.31	9,583.46	9,489.79	93.68	102.302		
13,100.00	7,074.86	6,900.00	6,662.35	176.07	66.69	-76.30	-1,384.44	4,223.31	9,681.37	9,587.57	93.80	103.208		
13,200.00	7,073.79	6,900.00	6,662.35	178.86	66.69	-76.30	-1,384.44	4,223.31	9,779.32	9,685.39	93.93	104.114		
13,300.00	7,072.72	6,900.00	6,662.35	181.65	66.69	-76.30	-1,384.44	4,223.31	9,877.32	9,783.26	94.05	105.018		
13,400.00	7,071.65	6,900.00	6,662.35	184.45	66.69	-76.30	-1,384.44	4,223.31	9,975.35	9,881.17	94.18	105.922		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	88.98	9.13	513.88	514.01					
100.00	100.00	100.02	100.02	3.28	3.29	89.01	8.88	513.20	513.32	506.75	6.57	78.097		
200.00	200.00	202.91	202.89	3.34	3.34	89.06	8.39	511.42	511.59	504.91	6.67	76.658		
300.00	300.00	301.84	301.79	3.44	3.44	89.15	7.55	509.42	509.55	502.66	6.89	74.002		
400.00	399.98	400.19	400.14	3.60	3.59	22.66	6.99	508.10	506.59	499.40	7.20	70.406		
500.00	499.84	503.60	503.53	3.80	3.80	22.98	6.70	506.28	500.00	492.40	7.61	65.734		
600.00	599.45	607.33	607.23	4.05	4.06	23.50	6.55	503.63	489.44	481.35	8.10	60.432		
700.00	698.70	704.52	704.37	4.32	4.32	24.19	6.56	500.68	475.27	466.64	8.64	55.034		
740.00	738.27	743.09	742.92	4.45	4.43	24.57	6.22	499.71	468.95	460.08	8.87	52.882		
800.00	797.57	804.12	803.93	4.63	4.62	25.18	5.28	498.04	459.00	449.76	9.23	49.706		
900.00	896.39	899.30	899.05	4.96	4.93	26.25	3.43	495.39	442.50	432.65	9.85	44.905		
1,000.00	995.21	995.18	994.91	5.32	5.25	27.31	2.14	493.58	427.01	416.50	10.51	40.613		
1,100.00	1,094.03	1,096.45	1,096.15	5.69	5.61	28.49	1.04	491.70	411.70	400.47	11.22	36.684		
1,200.00	1,192.86	1,202.31	1,201.95	6.07	5.99	29.80	0.10	488.24	395.14	383.17	11.97	33.009		
1,300.00	1,291.68	1,292.29	1,291.86	6.47	6.33	30.95	-0.21	484.94	378.39	365.70	12.69	29.821		
1,400.00	1,390.50	1,386.36	1,385.91	6.88	6.67	31.86	1.63	484.12	364.16	350.74	13.42	27.129		
1,500.00	1,489.33	1,486.06	1,485.52	7.29	7.03	32.51	5.75	484.00	350.45	336.27	14.18	24.711		
1,600.00	1,588.15	1,587.25	1,586.53	7.71	7.40	32.92	11.82	483.69	336.30	321.34	14.96	22.482		
1,700.00	1,686.97	1,688.40	1,687.34	8.14	7.79	33.04	19.82	482.88	321.36	305.61	15.75	20.407		
1,800.00	1,785.79	1,783.10	1,781.44	8.57	8.15	32.54	30.45	483.18	307.00	290.46	16.54	18.562		
1,900.00	1,884.62	1,885.20	1,882.76	9.01	8.55	31.73	43.00	483.79	292.79	275.43	17.36	16.867		
2,000.00	1,983.44	1,988.56	1,985.03	9.45	8.98	30.38	57.96	483.04	277.07	258.88	18.19	15.230		
2,100.00	2,082.26	2,088.14	2,083.44	9.89	9.41	28.77	73.14	481.45	260.59	241.55	19.04	13.687		
2,200.00	2,181.09	2,187.44	2,181.59	10.33	9.85	27.01	88.02	479.54	244.02	224.13	19.90	12.264		
2,300.00	2,279.91	2,287.48	2,280.55	10.78	10.30	25.12	102.47	476.93	227.06	206.29	20.76	10.935		
2,400.00	2,378.73	2,387.41	2,379.43	11.23	10.75	23.04	116.51	473.56	209.59	187.96	21.64	9.687		
2,500.00	2,477.55	2,486.65	2,477.63	11.68	11.21	20.64	130.25	469.42	191.66	169.14	22.52	8.511		
2,600.00	2,576.38	2,585.84	2,575.76	12.13	11.68	17.76	143.93	464.79	173.62	150.21	23.41	7.417		
2,700.00	2,675.20	2,684.84	2,673.71	12.59	12.14	14.32	157.22	459.42	155.29	130.98	24.31	6.388		
2,800.00	2,774.02	2,783.38	2,771.20	13.04	12.61	9.98	170.33	453.49	137.05	111.83	25.22	5.434		
2,900.00	2,872.85	2,881.68	2,868.45	13.50	13.08	4.41	183.18	447.08	119.27	93.11	26.15	4.560		
3,000.00	2,971.67	2,979.54	2,965.25	13.96	13.56	-2.96	195.79	440.35	102.55	75.44	27.10	3.783		
3,100.00	3,070.49	3,077.52	3,062.22	14.41	14.03	-12.76	208.07	433.48	87.82	59.75	28.07	3.129		
3,200.00	3,169.31	3,172.99	3,156.73	14.87	14.50	-25.03	220.23	427.74	77.38	48.35	29.03	2.666		
3,300.00	3,268.14	3,271.03	3,253.72	15.33	14.98	-39.78	233.81	423.23	73.33	43.43	29.90	2.453		
3,332.59	3,300.35	3,303.08	3,285.43	15.48	15.14	-44.90	238.19	421.62	73.06	42.90	30.17	2.422		
3,400.00	3,366.96	3,369.41	3,351.09	15.79	15.46	-55.33	247.02	418.33	74.19	43.49	30.70	2.417		
3,500.00	3,465.78	3,467.38	3,448.10	16.25	15.95	-69.59	259.78	413.32	79.95	48.49	31.46	2.541		
3,600.00	3,564.61	3,565.91	3,545.69	16.72	16.43	-81.69	272.24	407.97	89.75	57.49	32.26	2.782		
3,700.00	3,663.43	3,664.19	3,643.11	17.18	16.91	-91.19	284.13	402.73	102.20	69.12	33.08	3.089		
3,800.00	3,762.25	3,761.17	3,739.20	17.64	17.39	-98.47	296.07	397.34	117.13	83.24	33.90	3.456		
3,900.00	3,861.07	3,861.39	3,838.59	18.10	17.88	-104.57	307.52	391.50	133.02	98.19	34.83	3.819		
4,000.00	3,959.90	3,962.33	3,938.94	18.57	18.36	-110.32	316.10	384.96	148.41	112.63	35.78	4.148		
4,100.00	4,058.72	4,067.66	4,044.00	19.03	18.82	-115.75	321.35	379.76	161.52	124.74	36.78	4.391		
4,200.00	4,157.54	4,169.62	4,145.88	19.50	19.24	-121.30	321.48	375.71	172.15	134.45	37.70	4.567		
4,300.00	4,256.37	4,268.82	4,245.00	19.96	19.63	-126.18	320.94	371.99	183.60	145.03	38.57	4.760		
4,400.00	4,355.19	4,369.32	4,345.46	20.43	20.03	-130.60	319.49	369.44	194.75	155.29	39.46	4.936		
4,500.00	4,454.01	4,467.20	4,443.30	20.89	20.41	-134.49	317.82	366.97	206.80	166.49	40.31	5.130		
4,600.00	4,552.83	4,570.21	4,546.28	21.36	20.81	-137.91	316.67	365.07	219.27	178.06	41.21	5.320		
4,700.00	4,651.66	4,672.00	4,648.05	21.82	21.20	-140.37	316.85	366.65	229.47	187.38	42.09	5.452		
4,800.00	4,750.48	4,770.18	4,746.22	22.29	21.59	-142.40	317.58	368.11	240.24	197.30	42.94	5.594		
4,900.00	4,849.30	4,868.48	4,844.50	22.76	21.98	-144.15	318.86	369.44	251.53	207.73	43.80	5.743		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,948.13	4,966.90	4,942.90	23.22	22.38	-145.71	320.37	370.50	263.35	218.69	44.66	5.897		
5,100.00	5,046.95	5,064.48	5,040.47	23.69	22.78	-147.13	321.93	371.25	275.67	230.16	45.51	6.057		
5,200.00	5,145.77	5,162.74	5,138.71	24.16	23.19	-148.38	323.78	371.56	288.61	242.24	46.37	6.224		
5,300.00	5,244.59	5,260.63	5,236.58	24.62	23.60	-149.53	325.65	371.65	301.92	254.69	47.23	6.392		
5,400.00	5,343.42	5,358.56	5,334.49	25.09	24.01	-150.58	327.57	371.39	315.69	267.60	48.10	6.564		
5,500.00	5,442.24	5,454.34	5,430.24	25.56	24.42	-151.47	329.79	370.62	330.13	281.20	48.93	6.747		
5,600.00	5,541.06	5,552.87	5,528.71	26.03	24.84	-152.21	332.72	369.27	345.24	295.43	49.81	6.932		
5,700.00	5,639.89	5,661.60	5,637.42	26.50	25.29	-153.24	334.09	369.09	359.12	308.34	50.78	7.073		
5,800.00	5,738.71	5,758.09	5,733.92	26.96	25.67	-154.30	333.87	369.90	372.03	320.43	51.60	7.210		
5,900.00	5,837.53	5,854.52	5,830.34	27.43	26.06	-155.17	334.47	370.17	385.64	333.20	52.43	7.355		
6,000.00	5,936.35	5,951.10	5,926.92	27.90	26.47	-155.91	335.55	369.87	399.92	346.64	53.28	7.506		
6,100.00	6,035.18	6,047.49	6,023.29	28.37	26.88	-156.56	336.94	369.00	414.84	360.72	54.12	7.665		
6,200.00	6,134.00	6,144.31	6,120.09	28.84	27.29	-157.11	338.78	367.66	430.29	375.32	54.97	7.828		
6,300.00	6,232.82	6,241.11	6,216.84	29.31	27.71	-157.58	340.91	365.68	446.41	390.60	55.82	7.998		
6,400.00	6,331.64	6,400.00	6,432.44	29.77	28.35	-159.51	338.39	380.32	458.84	402.69	56.15	8.172		
6,477.15	6,407.89	6,611.98	6,577.12	30.14	29.02	-161.91	330.83	430.18	444.19	389.45	54.74	8.115		
6,500.00	6,430.52	6,683.97	6,641.22	30.24	29.22	-157.05	327.76	462.71	436.63	384.08	52.55	8.309		
6,550.00	6,480.31	6,753.01	6,699.56	30.46	29.40	-123.47	325.37	499.55	413.12	361.65	51.47	8.026		
6,600.00	6,530.22	6,807.26	6,744.29	30.66	29.54	-57.11	324.14	530.21	384.95	334.02	50.93	7.558		
6,650.00	6,579.93	6,861.28	6,787.53	30.85	29.67	-35.37	322.86	562.57	352.22	302.24	49.98	7.047		
6,700.00	6,629.13	6,908.80	6,824.23	31.04	29.80	-31.39	321.47	592.71	315.43	266.45	48.97	6.441		
6,750.00	6,677.53	6,950.40	6,855.09	31.23	30.06	-34.27	320.57	620.59	275.09	227.19	47.90	5.743		
6,800.00	6,724.83	6,982.08	6,877.71	31.43	30.26	-42.16	320.19	642.76	232.19	184.82	47.37	4.902		
6,850.00	6,770.73	7,006.22	6,894.39	31.63	30.44	-55.53	320.05	660.21	187.85	140.51	47.34	3.968		
6,900.00	6,814.95	7,022.18	6,905.08	31.84	30.56	-71.60	320.00	672.06	143.54	94.88	48.66	2.950		
6,950.00	6,857.22	7,031.27	6,911.05	32.06	30.63	-84.58	319.98	678.91	102.09	49.41	52.69	1.938		
7,000.00	6,897.28	7,034.92	6,913.42	32.29	30.66	-90.85	319.97	681.68	71.13	10.53	60.60	1.174 Level 2		
7,029.18	6,919.54	7,034.98	6,913.46	32.44	30.66	-91.23	319.97	681.73	64.92	1.83	63.08	1.029 Level 2, CC, ES, SF		
7,050.00	6,934.88	7,034.22	6,912.97	32.54	30.66	-90.09	319.98	681.15	68.15	7.00	61.14	1.115 Level 2		
7,100.00	6,969.79	7,030.03	6,910.24	32.81	30.62	-83.01	319.98	677.97	95.73	43.22	52.51	1.823		
7,150.00	7,001.79	7,023.00	6,905.62	33.11	30.57	-71.06	320.00	672.67	136.04	88.07	47.96	2.836		
7,200.00	7,030.69	7,013.64	6,899.39	33.44	30.50	-57.15	320.02	665.69	180.19	133.85	46.34	3.888		
7,250.00	7,056.31	7,002.34	6,891.74	33.81	30.41	-44.53	320.07	657.37	225.37	179.42	45.95	4.905		
7,300.00	7,078.48	6,988.00	6,881.85	34.21	30.30	-34.34	320.15	646.99	270.49	224.57	45.91	5.891		
7,350.00	7,097.08	6,974.15	6,872.12	34.65	30.21	-27.39	320.26	637.13	314.96	268.52	46.44	6.782		
7,400.00	7,112.00	6,957.31	6,860.09	35.12	30.10	-22.14	320.46	625.36	358.43	311.51	46.92	7.640		
7,450.00	7,123.12	6,939.23	6,846.92	35.64	29.99	-18.35	320.76	612.96	400.66	353.14	47.53	8.430		
7,500.00	7,130.40	6,920.05	6,832.70	36.19	29.87	-15.55	321.18	600.11	441.49	393.26	48.23	9.154		
7,550.00	7,133.78	6,893.00	6,812.17	36.77	29.75	-13.13	321.93	582.50	480.83	432.37	48.46	9.922		
7,574.97	7,134.00	6,893.00	6,812.17	37.06	29.75	-12.69	321.93	582.50	499.77	450.14	49.63	10.070		
7,600.00	7,133.73	6,878.31	6,800.83	37.37	29.72	-12.15	322.37	573.19	518.66	468.94	49.71	10.433		
7,700.00	7,132.66	6,836.66	6,768.01	38.71	29.61	-10.78	323.49	547.57	595.89	544.91	50.99	11.687		
7,800.00	7,131.59	6,798.00	6,736.73	40.20	29.52	-9.72	324.32	524.87	675.51	623.47	52.05	12.979		
7,900.00	7,130.52	6,757.61	6,703.38	41.84	29.41	-8.75	325.25	502.09	756.94	704.15	52.80	14.337		
8,000.00	7,129.45	6,719.17	6,671.19	43.60	29.31	-7.92	326.43	481.13	839.72	786.27	53.45	15.709		
8,100.00	7,128.38	6,703.00	6,657.51	45.47	29.27	-7.59	327.02	472.52	924.04	869.39	54.66	16.906		
8,200.00	7,127.31	6,670.93	6,629.89	47.44	29.18	-6.97	328.28	456.27	1,009.71	954.53	55.18	18.298		
8,300.00	7,126.24	6,653.01	6,614.11	49.49	29.13	-6.64	329.03	447.81	1,097.12	1,041.18	55.94	19.613		
8,400.00	7,125.17	6,636.84	6,599.67	51.61	29.09	-6.37	329.72	440.58	1,185.85	1,129.27	56.58	20.958		
8,500.00	7,124.10	6,607.00	6,572.56	53.81	29.01	-5.88	331.06	428.21	1,275.98	1,219.11	56.87	22.437		
8,600.00	7,123.03	6,607.00	6,572.56	56.06	29.01	-5.88	331.06	428.21	1,366.55	1,308.97	57.58	23.732		
8,700.00	7,121.96	6,587.31	6,554.43	58.36	28.95	-5.58	332.00	420.56	1,458.12	1,400.22	57.90	25.184		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,120.89	6,565.29	6,534.08	60.71	28.88	-5.25	333.12	412.23	1,550.17	1,492.02	58.14	26.662		
8,900.00	7,119.82	6,544.41	6,514.71	63.10	28.82	-4.96	334.25	404.53	1,642.65	1,584.28	58.37	28.143		
9,000.00	7,118.75	6,512.00	6,484.48	65.53	28.72	-4.53	336.14	393.00	1,735.61	1,677.16	58.45	29.695		
9,100.00	7,117.68	6,512.00	6,484.48	67.98	28.72	-4.53	336.14	393.00	1,828.79	1,769.96	58.83	31.084		
9,200.00	7,116.61	6,512.00	6,484.48	70.47	28.72	-4.53	336.14	393.00	1,922.66	1,863.49	59.16	32.497		
9,300.00	7,115.54	6,512.00	6,484.48	72.98	28.72	-4.53	336.14	393.00	2,017.11	1,957.66	59.45	33.929		
9,400.00	7,114.47	6,512.00	6,484.48	75.52	28.72	-4.53	336.14	393.00	2,112.08	2,052.38	59.70	35.379		
9,500.00	7,113.40	6,512.00	6,484.48	78.08	28.72	-4.53	336.14	393.00	2,207.49	2,147.57	59.92	36.842		
9,600.00	7,112.33	6,512.00	6,484.48	80.65	28.72	-4.53	336.14	393.00	2,303.29	2,243.18	60.11	38.317		
9,700.00	7,111.26	6,512.00	6,484.48	83.25	28.72	-4.53	336.14	393.00	2,399.44	2,339.15	60.28	39.802		
9,800.00	7,110.19	6,512.00	6,484.48	85.86	28.72	-4.53	336.14	393.00	2,495.88	2,435.44	60.44	41.295		
9,900.00	7,109.12	6,471.69	6,446.12	88.48	28.58	-4.06	338.27	380.86	2,590.29	2,529.88	60.40	42.883		
10,000.00	7,108.04	6,468.24	6,442.78	91.12	28.57	-4.03	338.42	380.00	2,686.85	2,626.32	60.53	44.388		
10,100.00	7,106.97	6,465.00	6,439.64	93.77	28.56	-4.00	338.56	379.21	2,783.62	2,722.97	60.65	45.896		
10,200.00	7,105.90	6,461.95	6,436.68	96.43	28.55	-3.97	338.69	378.50	2,880.58	2,819.82	60.76	47.408		
10,300.00	7,104.83	6,459.08	6,433.88	99.10	28.54	-3.94	338.81	377.85	2,977.72	2,916.86	60.87	48.923		
10,400.00	7,103.76	6,417.00	6,392.48	101.78	28.40	-3.60	340.13	370.58	3,077.18	3,016.34	60.84	50.578		
10,500.00	7,102.69	6,417.00	6,392.48	104.47	28.40	-3.60	340.13	370.58	3,174.35	3,113.40	60.95	52.081		
10,600.00	7,101.62	6,417.00	6,392.48	107.16	28.40	-3.60	340.13	370.58	3,271.70	3,210.65	61.05	53.588		
10,700.00	7,100.55	6,417.00	6,392.48	109.87	28.40	-3.60	340.13	370.58	3,369.20	3,308.05	61.15	55.098		
10,800.00	7,099.48	6,417.00	6,392.48	112.58	28.40	-3.60	340.13	370.58	3,466.84	3,405.60	61.24	56.609		
10,900.00	7,098.41	6,417.00	6,392.48	115.29	28.40	-3.60	340.13	370.58	3,564.61	3,503.28	61.33	58.123		
11,000.00	7,097.34	6,417.00	6,392.48	118.02	28.40	-3.60	340.13	370.58	3,662.51	3,601.09	61.41	59.637		
11,100.00	7,096.27	6,417.00	6,392.48	120.74	28.40	-3.60	340.13	370.58	3,760.51	3,699.02	61.49	61.152		
11,200.00	7,095.20	6,417.00	6,392.48	123.48	28.40	-3.60	340.13	370.58	3,858.62	3,797.05	61.57	62.668		
11,300.00	7,094.13	6,417.00	6,392.48	126.22	28.40	-3.60	340.13	370.58	3,956.82	3,895.17	61.65	64.184		
11,400.00	7,093.06	6,417.00	6,392.48	128.96	28.40	-3.60	340.13	370.58	4,055.11	3,993.39	61.72	65.700		
11,500.00	7,091.99	6,417.00	6,392.48	131.71	28.40	-3.60	340.13	370.58	4,153.48	4,091.69	61.79	67.215		
11,600.00	7,090.92	6,417.00	6,392.48	134.46	28.40	-3.60	340.13	370.58	4,251.93	4,190.06	61.86	68.730		
11,700.00	7,089.85	6,417.00	6,392.48	137.21	28.40	-3.60	340.13	370.58	4,350.44	4,288.51	61.93	70.244		
11,800.00	7,088.78	6,417.00	6,392.48	139.97	28.40	-3.60	340.13	370.58	4,449.03	4,387.03	62.00	71.757		
11,900.00	7,087.71	6,417.00	6,392.48	142.73	28.40	-3.60	340.13	370.58	4,547.67	4,485.60	62.07	73.268		
12,000.00	7,086.64	6,417.00	6,392.48	145.50	28.40	-3.60	340.13	370.58	4,646.38	4,584.24	62.14	74.778		
12,100.00	7,085.57	6,417.00	6,392.48	148.26	28.40	-3.60	340.13	370.58	4,745.14	4,682.93	62.20	76.286		
12,200.00	7,084.50	6,417.00	6,392.48	151.03	28.40	-3.60	340.13	370.58	4,843.94	4,781.68	62.27	77.792		
12,300.00	7,083.43	6,417.00	6,392.48	153.81	28.40	-3.60	340.13	370.58	4,942.80	4,880.47	62.33	79.296		
12,400.00	7,082.36	6,417.00	6,392.48	156.58	28.40	-3.60	340.13	370.58	5,041.70	4,979.30	62.40	80.798		
12,500.00	7,081.29	6,417.00	6,392.48	159.36	28.40	-3.60	340.13	370.58	5,140.65	5,078.18	62.46	82.298		
12,600.00	7,080.22	6,417.00	6,392.48	162.14	28.40	-3.60	340.13	370.58	5,239.63	5,177.10	62.53	83.795		
12,700.00	7,079.15	6,417.00	6,392.48	164.92	28.40	-3.60	340.13	370.58	5,338.65	5,276.06	62.59	85.289		
12,800.00	7,078.08	6,417.00	6,392.48	167.71	28.40	-3.60	340.13	370.58	5,437.71	5,375.05	62.66	86.781		
12,900.00	7,077.01	6,417.00	6,392.48	170.49	28.40	-3.60	340.13	370.58	5,536.80	5,474.08	62.73	88.270		
13,000.00	7,075.93	6,417.00	6,392.48	173.28	28.40	-3.60	340.13	370.58	5,635.93	5,573.14	62.79	89.756		
13,100.00	7,074.86	6,417.00	6,392.48	176.07	28.40	-3.60	340.13	370.58	5,735.08	5,672.23	62.86	91.239		
13,200.00	7,073.79	6,417.00	6,392.48	178.86	28.40	-3.60	340.13	370.58	5,834.27	5,771.34	62.92	92.719		
13,300.00	7,072.72	6,417.00	6,392.48	181.65	28.40	-3.60	340.13	370.58	5,933.48	5,870.49	62.99	94.196		
13,400.00	7,071.65	6,417.00	6,392.48	184.45	28.40	-3.60	340.13	370.58	6,032.71	5,969.66	63.06	95.669		
13,500.00	7,070.58	6,417.00	6,392.48	187.25	28.40	-3.60	340.13	370.58	6,131.98	6,068.85	63.13	97.139		
13,600.00	7,069.51	6,417.00	6,392.48	190.04	28.40	-3.60	340.13	370.58	6,231.26	6,168.07	63.19	98.605		
13,700.00	7,068.44	6,417.00	6,392.48	192.84	28.40	-3.60	340.13	370.58	6,330.57	6,267.31	63.26	100.068		
13,800.00	7,067.37	6,417.00	6,392.48	195.64	28.40	-3.60	340.13	370.58	6,429.90	6,366.57	63.33	101.527		
13,900.00	7,066.30	6,417.00	6,392.48	198.44	28.40	-3.60	340.13	370.58	6,529.25	6,465.85	63.40	102.983		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 133-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,065.23	6,417.00	6,392.48	201.24	28.40	-3.60	340.13	370.58	6,628.62	6,565.14	63.47	104.434		
14,100.00	7,064.16	6,417.00	6,392.48	204.05	28.40	-3.60	340.13	370.58	6,728.00	6,664.46	63.54	105.882		
14,200.00	7,063.09	6,417.00	6,392.48	206.85	28.40	-3.60	340.13	370.58	6,827.41	6,763.80	63.61	107.326		
14,300.00	7,062.02	6,417.00	6,392.48	209.66	28.40	-3.60	340.13	370.58	6,926.83	6,863.15	63.69	108.765		
14,400.00	7,060.95	6,417.00	6,392.48	212.46	28.40	-3.60	340.13	370.58	7,026.27	6,962.51	63.76	110.201		
14,500.00	7,059.88	6,417.00	6,392.48	215.27	28.40	-3.60	340.13	370.58	7,125.73	7,061.90	63.83	111.633		
14,600.00	7,058.81	6,417.00	6,392.48	218.08	28.40	-3.60	340.13	370.58	7,225.20	7,161.29	63.91	113.060		
14,700.00	7,057.74	6,417.00	6,392.48	220.89	28.40	-3.60	340.13	370.58	7,324.68	7,260.70	63.98	114.483		
14,800.00	7,056.67	6,417.00	6,392.48	223.70	28.40	-3.60	340.13	370.58	7,424.18	7,360.12	64.06	115.902		
14,900.00	7,055.60	6,417.00	6,392.48	226.51	28.40	-3.60	340.13	370.58	7,523.69	7,459.56	64.13	117.317		
15,000.00	7,054.53	6,417.00	6,392.48	229.32	28.40	-3.60	340.13	370.58	7,623.22	7,559.01	64.21	118.727		
15,100.00	7,053.46	6,417.00	6,392.48	232.14	28.40	-3.60	340.13	370.58	7,722.75	7,658.47	64.28	120.133		
15,200.00	7,052.39	6,417.00	6,392.48	234.95	28.40	-3.60	340.13	370.58	7,822.30	7,757.94	64.36	121.534		
15,300.00	7,051.32	6,417.00	6,392.48	237.76	28.40	-3.60	340.13	370.58	7,921.86	7,857.42	64.44	122.931		
15,400.00	7,050.25	6,417.00	6,392.48	240.58	28.40	-3.60	340.13	370.58	8,021.43	7,956.91	64.52	124.324		
15,500.00	7,049.18	6,417.00	6,392.48	243.39	28.40	-3.60	340.13	370.58	8,121.01	8,056.41	64.60	125.712		
15,600.00	7,048.11	6,417.00	6,392.48	246.21	28.40	-3.60	340.13	370.58	8,220.60	8,155.92	64.68	127.095		
15,703.32	7,047.00	6,417.00	6,392.48	249.12	28.40	-3.60	340.13	370.58	8,323.51	8,258.75	64.76	128.519		
15,703.90	7,046.99	6,417.00	6,392.48	249.13	28.40	-3.60	340.13	370.58	8,324.09	8,259.33	64.77	128.527		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
0.00	0.00	0.00	0.00	3.28	3.28	92.33	-20.75	510.82	511.29					
100.00	100.00	99.25	99.24	3.28	3.30	92.39	-21.27	509.72	510.20	503.62	6.58	77.486		
200.00	200.00	200.30	200.28	3.34	3.38	92.48	-22.05	508.44	508.97	502.26	6.71	75.817		
300.00	300.00	302.81	302.78	3.44	3.51	92.57	-22.70	506.69	507.29	500.34	6.96	72.935		
400.00	399.98	403.07	403.01	3.60	3.69	26.10	-23.20	504.66	503.72	496.43	7.29	69.083		
500.00	499.84	509.65	509.55	3.80	3.93	26.54	-23.82	501.87	496.45	488.72	7.73	64.187		
600.00	599.45	613.79	613.61	4.05	4.20	27.22	-24.40	497.79	484.82	476.57	8.25	58.775		
700.00	698.70	706.82	706.58	4.32	4.47	28.11	-25.07	494.37	470.40	461.61	8.78	53.553		
740.00	738.27	747.51	747.24	4.45	4.60	28.57	-25.37	493.00	463.93	454.90	9.03	51.387		
800.00	797.57	806.99	806.68	4.63	4.78	29.19	-25.66	490.81	453.72	444.33	9.40	48.290		
900.00	896.39	898.44	898.09	4.96	5.09	30.23	-26.42	488.24	437.70	427.69	10.01	43.722		
1,000.00	995.21	996.12	995.74	5.32	5.42	31.43	-27.48	486.32	422.71	412.03	10.69	39.561		
1,100.00	1,094.03	1,098.34	1,097.91	5.69	5.79	32.88	-29.20	483.76	407.50	396.09	11.41	35.728		
1,200.00	1,192.86	1,199.09	1,198.58	6.07	6.17	34.55	-31.58	480.22	391.69	379.54	12.15	32.245		
1,300.00	1,291.68	1,296.95	1,296.33	6.47	6.54	36.36	-34.19	476.51	376.02	363.12	12.90	29.145		
1,400.00	1,390.50	1,394.03	1,393.30	6.88	6.92	38.33	-36.93	472.95	360.91	347.23	13.67	26.394		
1,500.00	1,489.33	1,489.97	1,489.17	7.29	7.30	40.37	-39.44	469.92	346.69	332.23	14.46	23.978		
1,600.00	1,588.15	1,587.58	1,586.73	7.71	7.69	42.46	-41.19	467.56	333.39	318.13	15.26	21.847		
1,700.00	1,686.97	1,690.64	1,689.72	8.14	8.11	44.90	-43.05	464.13	319.74	303.65	16.09	19.873		
1,800.00	1,785.79	1,786.25	1,785.14	8.57	8.51	47.82	-47.01	459.82	306.53	289.61	16.92	18.115		
1,900.00	1,884.62	1,881.28	1,879.78	9.01	8.91	51.56	-54.05	454.84	295.08	277.31	17.77	16.602		
2,000.00	1,983.44	1,975.40	1,973.47	9.45	9.32	55.60	-61.85	450.53	286.09	267.46	18.64	15.352		
2,100.00	2,082.26	2,071.25	2,068.97	9.89	9.73	59.71	-69.45	447.54	279.70	260.19	19.51	14.339		
2,200.00	2,181.09	2,171.83	2,169.01	10.33	10.17	64.61	-78.57	442.54	274.30	253.89	20.41	13.439		
2,300.00	2,279.91	2,267.23	2,263.89	10.78	10.60	69.45	-87.23	437.59	270.82	249.52	21.30	12.715		
2,364.77	2,343.92	2,328.05	2,324.43	11.07	10.87	72.41	-92.58	435.30	270.16	248.29	21.86	12.357 CC		
2,400.00	2,378.73	2,361.70	2,357.93	11.23	11.02	74.00	-95.51	434.36	270.32	248.16	22.17	12.194 ES		
2,500.00	2,477.55	2,460.11	2,455.97	11.68	11.45	78.45	-103.76	432.39	272.22	249.17	23.05	11.810		
2,600.00	2,576.38	2,560.80	2,556.21	12.13	11.90	83.34	-112.17	427.95	274.58	250.63	23.95	11.464		
2,700.00	2,675.20	2,657.20	2,652.15	12.59	12.34	88.01	-120.35	423.24	278.80	253.98	24.82	11.232		
2,800.00	2,774.02	2,754.22	2,748.71	13.04	12.79	92.50	-128.62	418.75	285.06	259.38	25.68	11.099		
2,900.00	2,872.85	2,851.64	2,845.73	13.50	13.23	96.64	-136.65	415.04	293.03	266.50	26.54	11.043		
3,000.00	2,971.67	2,948.46	2,942.20	13.96	13.67	100.32	-144.34	412.44	302.46	275.08	27.38	11.048		
3,100.00	3,070.49	3,045.47	3,038.74	14.41	14.11	104.12	-152.87	408.04	313.65	285.44	28.22	11.116		
3,200.00	3,169.31	3,149.86	3,142.71	14.87	14.60	107.87	-161.01	403.52	325.26	296.13	29.13	11.166		
3,300.00	3,268.14	3,253.04	3,245.53	15.33	15.07	111.62	-166.54	397.04	335.56	305.54	30.02	11.176		
3,400.00	3,366.96	3,353.24	3,345.48	15.79	15.52	114.94	-170.91	391.37	346.13	315.24	30.89	11.206		
3,500.00	3,465.78	3,447.37	3,439.41	16.25	15.94	117.78	-174.90	386.67	357.58	325.88	31.70	11.280		
3,600.00	3,564.61	3,549.13	3,540.93	16.72	16.40	120.61	-179.85	381.81	370.52	337.94	32.58	11.373		
3,700.00	3,663.43	3,639.70	3,631.28	17.18	16.82	123.06	-183.67	376.88	383.76	350.41	33.35	11.507		
3,800.00	3,762.25	3,732.10	3,723.25	17.64	17.25	125.61	-189.36	370.02	400.02	365.89	34.13	11.720		
3,900.00	3,861.07	3,827.07	3,817.74	18.10	17.70	128.02	-195.70	362.88	417.59	382.65	34.94	11.952		
4,000.00	3,959.90	3,923.87	3,914.02	18.57	18.16	130.29	-202.44	355.49	436.19	400.42	35.77	12.193		
4,100.00	4,058.72	4,022.95	4,012.60	19.03	18.63	132.39	-209.15	348.22	455.13	418.50	36.64	12.422		
4,200.00	4,157.54	4,114.79	4,104.00	19.50	19.06	134.14	-215.57	341.86	474.66	437.25	37.41	12.687		
4,300.00	4,256.37	4,213.07	4,201.75	19.96	19.53	135.73	-223.69	335.84	495.47	457.19	38.27	12.945		
4,400.00	4,355.19	4,321.79	4,310.04	20.43	20.04	137.32	-231.33	329.94	515.23	475.96	39.26	13.122		
4,500.00	4,454.01	4,416.82	4,404.79	20.89	20.48	138.57	-237.13	325.50	534.12	494.04	40.09	13.324		
4,600.00	4,552.83	4,518.83	4,506.50	21.36	20.95	139.76	-243.67	321.27	553.30	512.31	40.99	13.497		
4,700.00	4,651.66	4,638.05	4,625.52	21.82	21.47	140.81	-250.18	319.56	570.67	528.61	42.05	13.570		
4,800.00	4,750.48	4,762.00	4,749.44	22.29	21.95	141.84	-251.44	320.69	582.95	539.90	43.05	13.540		
4,900.00	4,849.30	4,862.60	4,850.03	22.76	22.32	142.74	-250.47	321.56	593.85	549.96	43.89	13.530		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,948.13	4,960.23	4,947.65	23.22	22.69	143.66	-249.12	321.60	604.94	560.22	44.72	13.528		
5,100.00	5,046.95	5,056.83	5,044.24	23.69	23.07	144.61	-247.63	320.81	616.49	570.94	45.55	13.535		
5,200.00	5,145.77	5,153.41	5,140.80	24.16	23.45	145.58	-246.16	319.37	628.59	582.20	46.38	13.552		
5,300.00	5,244.59	5,248.97	5,236.34	24.62	23.84	146.47	-245.23	318.10	641.23	594.02	47.22	13.581		
5,400.00	5,343.42	5,347.72	5,335.08	25.09	24.24	147.13	-245.94	318.63	654.37	606.30	48.07	13.612		
5,500.00	5,442.24	5,449.68	5,437.04	25.56	24.65	147.87	-245.87	318.54	667.32	618.37	48.95	13.633		
5,600.00	5,541.06	5,538.47	5,525.83	26.03	25.01	148.56	-245.56	317.78	680.60	630.86	49.74	13.683		
5,700.00	5,639.89	5,636.90	5,624.24	26.50	25.43	149.29	-246.23	316.05	695.31	644.71	50.60	13.741		
5,800.00	5,738.71	5,740.97	5,728.28	26.96	25.87	150.12	-245.70	313.90	709.38	657.88	51.51	13.773		
5,900.00	5,837.53	5,832.66	5,819.95	27.43	26.25	150.85	-245.06	311.81	723.57	671.26	52.32	13.831		
6,000.00	5,936.35	5,955.54	5,942.81	27.90	26.76	151.66	-244.53	310.66	737.36	684.02	53.33	13.825		
6,100.00	6,035.18	6,049.99	6,037.24	28.37	27.12	152.32	-242.47	310.16	749.53	695.38	54.16	13.840		
6,200.00	6,134.00	6,138.51	6,125.75	28.84	27.49	152.89	-241.35	309.46	762.68	707.73	54.95	13.880		
6,300.00	6,232.82	6,243.17	6,230.39	29.31	27.92	153.58	-239.86	308.05	776.15	720.30	55.85	13.897		
6,400.00	6,331.64	6,341.27	6,328.47	29.77	28.31	154.18	-238.55	307.20	789.48	732.78	56.70	13.924		
6,477.15	6,407.89	6,421.12	6,408.30	30.14	28.63	154.68	-237.11	306.41	799.60	742.22	57.38	13.935		
6,500.00	6,430.52	6,449.35	6,436.52	30.24	28.74	161.23	-236.45	306.21	802.21	744.60	57.61	13.925		
6,550.00	6,480.31	6,512.55	6,499.69	30.46	28.99	-163.22	-235.88	307.90	805.36	747.26	58.10	13.862		
6,600.00	6,530.22	6,691.98	6,674.11	30.66	29.62	-98.10	-242.31	345.46	801.53	743.14	58.39	13.726		
6,650.00	6,579.93	6,764.98	6,740.69	30.85	29.84	-76.64	-247.71	374.88	790.65	732.00	58.65	13.480		
6,700.00	6,629.13	6,835.54	6,804.51	31.04	30.05	-72.12	-251.28	404.75	777.03	718.15	58.88	13.197		
6,750.00	6,677.53	7,042.02	6,972.82	31.23	30.64	-81.52	-251.72	522.05	756.40	699.33	57.07	13.255		
6,800.00	6,724.83	7,071.81	6,994.32	31.43	30.74	-83.55	-250.88	542.65	733.86	675.94	57.92	12.670		
6,850.00	6,770.73	7,097.33	7,012.57	31.63	30.85	-86.16	-250.05	560.45	712.34	653.50	58.84	12.107		
6,900.00	6,814.95	7,116.84	7,026.16	31.84	30.96	-88.69	-249.50	574.45	692.47	632.63	59.84	11.572		
6,950.00	6,857.22	7,128.32	7,033.96	32.06	31.03	-90.62	-249.22	582.87	674.93	614.06	60.87	11.088		
7,000.00	6,897.28	7,133.65	7,037.52	32.29	31.06	-91.90	-249.11	586.83	660.29	598.44	61.85	10.675		
7,050.00	6,934.88	7,134.21	7,037.89	32.54	31.06	-92.56	-249.10	587.24	648.95	586.22	62.73	10.346		
7,100.00	6,969.79	7,131.01	7,035.76	32.81	31.04	-92.63	-249.17	584.87	641.15	577.71	63.44	10.106		
7,150.00	7,001.79	7,124.84	7,031.60	33.11	31.01	-92.18	-249.30	580.30	637.03	573.04	63.99	9.955		
7,181.02	7,020.10	7,119.77	7,028.16	33.32	30.98	-91.65	-249.42	576.58	636.33	572.08	64.24	9.905		
7,200.00	7,030.69	7,116.26	7,025.76	33.44	30.96	-91.24	-249.51	574.02	636.59	572.23	64.36	9.891 SF		
7,250.00	7,056.31	7,105.72	7,018.46	33.81	30.90	-89.87	-249.80	566.42	639.70	575.12	64.58	9.905		
7,300.00	7,078.48	7,095.83	7,011.53	34.21	30.84	-88.30	-250.09	559.38	646.15	581.45	64.70	9.987		
7,350.00	7,097.08	7,075.11	6,996.69	34.65	30.76	-85.62	-250.78	544.94	655.62	590.99	64.64	10.143		
7,400.00	7,112.00	7,051.13	6,979.41	35.12	30.67	-82.55	-251.48	528.32	667.50	603.04	64.46	10.355		
7,450.00	7,123.12	7,024.12	6,959.89	35.64	30.58	-79.21	-252.15	509.75	681.24	617.03	64.21	10.609		
7,500.00	7,130.40	6,994.31	6,938.03	36.19	30.49	-75.72	-252.73	489.41	696.31	632.39	63.92	10.894		
7,550.00	7,133.78	6,975.10	6,923.62	36.77	30.44	-72.99	-252.99	476.71	712.45	648.53	63.91	11.147		
7,574.97	7,134.00	6,965.75	6,916.38	37.06	30.41	-71.64	-253.08	470.79	720.91	656.97	63.94	11.275		
7,600.00	7,133.73	6,956.71	6,909.24	37.37	30.39	-71.07	-253.14	465.24	729.78	665.80	63.98	11.406		
7,700.00	7,132.66	6,925.43	6,883.59	38.71	30.30	-69.04	-253.13	447.36	770.74	706.51	64.24	11.999		
7,800.00	7,131.59	6,901.78	6,863.28	40.20	30.24	-67.47	-252.93	435.25	820.02	755.41	64.61	12.692		
7,900.00	7,130.52	6,860.22	6,826.56	41.84	30.12	-64.69	-252.09	415.81	876.18	811.67	64.52	13.581		
8,000.00	7,129.45	6,822.75	6,793.02	43.60	30.01	-62.23	-250.77	399.17	937.71	873.23	64.48	14.542		
8,100.00	7,128.38	6,783.51	6,757.51	45.47	29.90	-59.70	-248.82	382.57	1,003.82	939.43	64.38	15.591		
8,200.00	7,127.31	6,740.29	6,718.25	47.44	29.77	-57.01	-246.06	364.74	1,073.49	1,009.31	64.18	16.725		
8,300.00	7,126.24	6,708.00	6,688.82	49.49	29.67	-55.05	-243.57	351.66	1,146.16	1,081.96	64.20	17.853		
8,400.00	7,125.17	6,708.00	6,688.82	51.61	29.67	-55.05	-243.57	351.66	1,222.28	1,157.50	64.78	18.869		
8,500.00	7,124.10	6,708.00	6,688.82	53.81	29.67	-55.05	-243.57	351.66	1,301.63	1,236.39	65.24	19.951		
8,600.00	7,123.03	6,672.33	6,655.80	56.06	29.55	-52.95	-240.92	338.46	1,381.97	1,316.86	65.10	21.228		
8,700.00	7,121.96	6,663.40	6,647.39	58.36	29.53	-52.44	-240.35	335.52	1,465.30	1,399.97	65.33	22.428		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,120.89	6,655.26	6,639.68	60.71	29.50	-51.97	-239.86	332.96	1,550.43	1,484.90	65.53	23.659		
8,900.00	7,119.82	6,647.82	6,632.59	63.10	29.47	-51.55	-239.44	330.73	1,637.09	1,571.39	65.70	24.917		
9,000.00	7,118.75	6,613.00	6,599.02	65.53	29.36	-49.63	-237.82	321.64	1,726.07	1,660.52	65.55	26.332		
9,100.00	7,117.68	6,613.00	6,599.02	67.98	29.36	-49.63	-237.82	321.64	1,814.78	1,749.02	65.76	27.596		
9,200.00	7,116.61	6,613.00	6,599.02	70.47	29.36	-49.63	-237.82	321.64	1,904.62	1,838.68	65.94	28.884		
9,300.00	7,115.54	6,613.00	6,599.02	72.98	29.36	-49.63	-237.82	321.64	1,995.42	1,929.33	66.09	30.193		
9,400.00	7,114.47	6,613.00	6,599.02	75.52	29.36	-49.63	-237.82	321.64	2,087.06	2,020.85	66.21	31.520		
9,500.00	7,113.40	6,613.00	6,599.02	78.08	29.36	-49.63	-237.82	321.64	2,179.44	2,113.12	66.32	32.861		
9,600.00	7,112.33	6,613.00	6,599.02	80.65	29.36	-49.63	-237.82	321.64	2,272.46	2,206.05	66.42	34.216		
9,700.00	7,111.26	6,613.00	6,599.02	83.25	29.36	-49.63	-237.82	321.64	2,366.05	2,299.56	66.50	35.582		
9,800.00	7,110.19	6,613.00	6,599.02	85.86	29.36	-49.63	-237.82	321.64	2,460.15	2,393.58	66.57	36.957		
9,900.00	7,109.12	6,613.00	6,599.02	88.48	29.36	-49.63	-237.82	321.64	2,554.69	2,488.06	66.63	38.341		
10,000.00	7,108.04	6,613.00	6,599.02	91.12	29.36	-49.63	-237.82	321.64	2,649.64	2,582.95	66.69	39.733		
10,100.00	7,106.97	6,613.00	6,599.02	93.77	29.36	-49.63	-237.82	321.64	2,744.94	2,678.21	66.74	41.131		
10,200.00	7,105.90	6,613.00	6,599.02	96.43	29.36	-49.63	-237.82	321.64	2,840.57	2,773.79	66.78	42.534		
10,300.00	7,104.83	6,613.00	6,599.02	99.10	29.36	-49.63	-237.82	321.64	2,936.49	2,869.66	66.83	43.943		
10,400.00	7,103.76	6,613.00	6,599.02	101.78	29.36	-49.63	-237.82	321.64	3,032.67	2,965.81	66.87	45.355		
10,500.00	7,102.69	6,613.00	6,599.02	104.47	29.36	-49.63	-237.82	321.64	3,129.09	3,062.19	66.90	46.770		
10,600.00	7,101.62	6,613.00	6,599.02	107.16	29.36	-49.63	-237.82	321.64	3,225.73	3,158.79	66.94	48.189		
10,700.00	7,100.55	6,613.00	6,599.02	109.87	29.36	-49.63	-237.82	321.64	3,322.57	3,255.60	66.97	49.610		
10,800.00	7,099.48	6,572.29	6,599.10	112.58	29.21	-47.49	-236.58	313.84	3,417.78	3,350.91	66.87	51.113		
10,900.00	7,098.41	6,570.15	6,556.99	115.29	29.20	-47.38	-236.53	313.52	3,514.78	3,447.88	66.90	52.540		
11,000.00	7,097.34	6,568.11	6,554.97	118.02	29.20	-47.28	-236.48	313.21	3,611.94	3,545.01	66.93	53.967		
11,100.00	7,096.27	6,566.16	6,553.04	120.74	29.19	-47.18	-236.44	312.93	3,709.23	3,642.27	66.96	55.395		
11,200.00	7,095.20	6,564.30	6,551.20	123.48	29.18	-47.09	-236.41	312.67	3,806.66	3,739.67	66.99	56.823		
11,300.00	7,094.13	6,562.52	6,549.43	126.22	29.17	-47.00	-236.37	312.42	3,904.21	3,837.19	67.02	58.252		
11,400.00	7,093.06	6,560.81	6,547.74	128.96	29.17	-46.92	-236.34	312.19	4,001.88	3,934.83	67.05	59.681		
11,500.00	7,091.99	6,559.18	6,546.12	131.71	29.16	-46.83	-236.31	311.98	4,099.65	4,032.57	67.09	61.110		
11,600.00	7,090.92	6,518.00	6,505.13	134.46	29.01	-44.86	-235.89	308.18	4,199.20	4,132.18	67.02	62.658		
11,700.00	7,089.85	6,518.00	6,505.13	137.21	29.01	-44.86	-235.89	308.18	4,297.03	4,229.98	67.06	64.079		
11,800.00	7,088.78	6,518.00	6,505.13	139.97	29.01	-44.86	-235.89	308.18	4,394.97	4,327.87	67.10	65.500		
11,900.00	7,087.71	6,518.00	6,505.13	142.73	29.01	-44.86	-235.89	308.18	4,492.99	4,425.86	67.14	66.920		
12,000.00	7,086.64	6,518.00	6,505.13	145.50	29.01	-44.86	-235.89	308.18	4,591.11	4,523.93	67.18	68.340		
12,100.00	7,085.57	6,518.00	6,505.13	148.26	29.01	-44.86	-235.89	308.18	4,689.30	4,622.08	67.22	69.759		
12,200.00	7,084.50	6,518.00	6,505.13	151.03	29.01	-44.86	-235.89	308.18	4,787.56	4,720.30	67.26	71.177		
12,300.00	7,083.43	6,518.00	6,505.13	153.81	29.01	-44.86	-235.89	308.18	4,885.90	4,818.59	67.30	72.593		
12,400.00	7,082.36	6,518.00	6,505.13	156.58	29.01	-44.86	-235.89	308.18	4,984.30	4,916.95	67.35	74.009		
12,500.00	7,081.29	6,518.00	6,505.13	159.36	29.01	-44.86	-235.89	308.18	5,082.77	5,015.37	67.39	75.423		
12,600.00	7,080.22	6,518.00	6,505.13	162.14	29.01	-44.86	-235.89	308.18	5,181.29	5,113.85	67.43	76.835		
12,700.00	7,079.15	6,518.00	6,505.13	164.92	29.01	-44.86	-235.89	308.18	5,279.87	5,212.39	67.48	78.245		
12,800.00	7,078.08	6,518.00	6,505.13	167.71	29.01	-44.86	-235.89	308.18	5,378.50	5,310.98	67.52	79.654		
12,900.00	7,077.01	6,518.00	6,505.13	170.49	29.01	-44.86	-235.89	308.18	5,477.18	5,409.61	67.57	81.061		
13,000.00	7,075.93	6,518.00	6,505.13	173.28	29.01	-44.86	-235.89	308.18	5,575.91	5,508.29	67.61	82.466		
13,100.00	7,074.86	6,518.00	6,505.13	176.07	29.01	-44.86	-235.89	308.18	5,674.68	5,607.02	67.66	83.868		
13,200.00	7,073.79	6,518.00	6,505.13	178.86	29.01	-44.86	-235.89	308.18	5,773.50	5,705.79	67.71	85.269		
13,300.00	7,072.72	6,518.00	6,505.13	181.65	29.01	-44.86	-235.89	308.18	5,872.35	5,804.59	67.76	86.666		
13,400.00	7,071.65	6,518.00	6,505.13	184.45	29.01	-44.86	-235.89	308.18	5,971.24	5,903.44	67.81	88.062		
13,500.00	7,070.58	6,518.00	6,505.13	187.25	29.01	-44.86	-235.89	308.18	6,070.17	6,002.32	67.86	89.455		
13,600.00	7,069.51	6,518.00	6,505.13	190.04	29.01	-44.86	-235.89	308.18	6,169.14	6,101.23	67.91	90.845		
13,700.00	7,068.44	6,518.00	6,505.13	192.84	29.01	-44.86	-235.89	308.18	6,268.13	6,200.17	67.96	92.233		
13,800.00	7,067.37	6,518.00	6,505.13	195.64	29.01	-44.86	-235.89	308.18	6,367.16	6,299.15	68.01	93.618		
13,900.00	7,066.30	6,518.00	6,505.13	198.44	29.01	-44.86	-235.89	308.18	6,466.22	6,398.15	68.07	95.000		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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
14,000.00	7,065.23	6,518.00	6,505.13	201.24	29.01	-44.86	-235.89	308.18	6,565.31	6,497.19	68.12	96.379	
14,100.00	7,064.16	6,518.00	6,505.13	204.05	29.01	-44.86	-235.89	308.18	6,664.42	6,596.25	68.17	97.756	
14,200.00	7,063.09	6,518.00	6,505.13	206.85	29.01	-44.86	-235.89	308.18	6,763.56	6,695.33	68.23	99.129	
14,300.00	7,062.02	6,518.00	6,505.13	209.66	29.01	-44.86	-235.89	308.18	6,862.73	6,794.44	68.29	100.499	
14,400.00	7,060.95	6,518.00	6,505.13	212.46	29.01	-44.86	-235.89	308.18	6,961.91	6,893.57	68.34	101.866	
14,500.00	7,059.88	6,518.00	6,505.13	215.27	29.01	-44.86	-235.89	308.18	7,061.13	6,992.72	68.40	103.230	
14,600.00	7,058.81	6,518.00	6,505.13	218.08	29.01	-44.86	-235.89	308.18	7,160.36	7,091.90	68.46	104.591	
14,700.00	7,057.74	6,518.00	6,505.13	220.89	29.01	-44.86	-235.89	308.18	7,259.61	7,191.09	68.52	105.948	
14,800.00	7,056.67	6,518.00	6,505.13	223.70	29.01	-44.86	-235.89	308.18	7,358.89	7,290.31	68.58	107.302	
14,900.00	7,055.60	6,518.00	6,505.13	226.51	29.01	-44.86	-235.89	308.18	7,458.18	7,389.54	68.64	108.653	
15,000.00	7,054.53	6,518.00	6,505.13	229.32	29.01	-44.86	-235.89	308.18	7,557.50	7,488.79	68.70	110.000	
15,100.00	7,053.46	6,518.00	6,505.13	232.14	29.01	-44.86	-235.89	308.18	7,656.83	7,588.06	68.77	111.343	
15,200.00	7,052.39	6,518.00	6,505.13	234.95	29.01	-44.86	-235.89	308.18	7,756.18	7,687.34	68.83	112.683	
15,300.00	7,051.32	6,518.00	6,505.13	237.76	29.01	-44.86	-235.89	308.18	7,855.54	7,786.64	68.90	114.020	
15,400.00	7,050.25	6,518.00	6,505.13	240.58	29.01	-44.86	-235.89	308.18	7,954.92	7,885.96	68.96	115.353	
15,500.00	7,049.18	6,518.00	6,505.13	243.39	29.01	-44.86	-235.89	308.18	8,054.32	7,985.29	69.03	116.682	
15,600.00	7,048.11	6,518.00	6,505.13	246.21	29.01	-44.86	-235.89	308.18	8,153.73	8,084.63	69.10	118.007	
15,703.32	7,047.00	6,518.00	6,505.13	249.12	29.01	-44.86	-235.89	308.18	8,256.45	8,187.29	69.17	119.373	
15,703.90	7,046.99	6,518.00	6,505.13	249.13	29.01	-44.86	-235.89	308.18	8,257.03	8,187.87	69.17	119.381	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	94.01	-35.68	509.43	510.72					
100.00	100.00	96.48	96.48	3.28	3.30	94.05	-36.08	508.92	510.21	503.63	6.58	77.511		
200.00	200.00	198.74	198.73	3.34	3.37	94.18	-37.16	507.97	509.36	502.65	6.71	75.898		
300.00	300.00	302.62	302.59	3.44	3.51	94.35	-38.49	506.33	507.88	500.92	6.96	73.014		
400.00	399.98	405.70	405.63	3.60	3.70	27.99	-39.73	503.93	504.11	496.81	7.30	69.056		
500.00	499.84	510.10	509.98	3.80	3.93	28.48	-40.49	500.78	496.56	488.82	7.74	64.177		
600.00	599.45	604.33	604.16	4.05	4.17	29.16	-41.25	497.85	485.91	477.69	8.22	59.147		
700.00	698.70	699.28	699.08	4.32	4.44	30.15	-42.52	495.84	473.34	464.58	8.76	54.051		
740.00	738.27	737.13	736.92	4.45	4.56	30.65	-43.20	495.23	467.74	458.75	8.99	52.026		
800.00	797.57	793.84	793.62	4.63	4.73	31.35	-44.31	494.55	459.29	449.94	9.35	49.134		
900.00	896.39	885.22	884.96	4.96	5.03	32.60	-46.70	494.31	446.39	436.43	9.96	44.811		
1,000.00	995.21	982.56	982.24	5.32	5.35	34.08	-50.01	495.01	434.84	424.21	10.63	40.908		
1,100.00	1,094.03	1,083.04	1,082.65	5.69	5.70	35.75	-53.77	495.51	423.46	412.12	11.34	37.339		
1,200.00	1,192.86	1,193.79	1,193.29	6.07	6.11	37.80	-58.30	494.06	410.81	398.69	12.12	33.903		
1,300.00	1,291.68	1,272.02	1,271.48	6.47	6.40	39.20	-60.91	494.54	400.07	387.27	12.80	31.258		
1,400.00	1,390.50	1,384.80	1,384.17	6.88	6.82	41.19	-64.22	496.74	391.18	377.57	13.61	28.744		
1,500.00	1,489.33	1,495.97	1,495.17	7.29	7.26	43.76	-68.89	492.89	377.87	363.43	14.44	26.172		
1,600.00	1,588.15	1,603.19	1,602.01	7.71	7.70	46.72	-73.86	485.51	362.29	347.02	15.27	23.728		
1,700.00	1,686.97	1,700.67	1,698.88	8.14	8.11	50.05	-79.89	476.49	346.16	330.06	16.10	21.498		
1,800.00	1,785.79	1,790.83	1,788.35	8.57	8.50	53.66	-87.42	468.27	332.45	315.50	16.95	19.615		
1,900.00	1,884.62	1,879.74	1,876.44	9.01	8.90	57.71	-96.90	460.85	322.32	304.51	17.81	18.099		
2,000.00	1,983.44	1,963.20	1,958.96	9.45	9.29	61.84	-108.22	455.58	317.54	298.90	18.64	17.034		
2,057.05	2,039.82	2,016.82	2,011.94	9.70	9.54	64.51	-116.07	453.19	317.05	297.91	19.14	16.566 CC		
2,100.00	2,082.26	2,057.43	2,052.12	9.89	9.72	66.45	-121.79	451.75	317.31	297.80	19.51	16.261 ES		
2,200.00	2,181.09	2,153.56	2,147.38	10.33	10.17	70.76	-134.50	449.60	319.70	299.31	20.38	15.684		
2,300.00	2,279.91	2,258.20	2,251.31	10.78	10.65	75.17	-146.46	447.24	322.60	301.29	21.31	15.141		
2,400.00	2,378.73	2,355.92	2,348.41	11.23	11.10	79.23	-157.03	444.33	326.33	304.15	22.18	14.713		
2,500.00	2,477.55	2,457.55	2,449.26	11.68	11.58	83.74	-168.28	438.80	330.78	307.69	23.08	14.329		
2,600.00	2,576.38	2,554.78	2,545.65	12.13	12.05	88.16	-178.95	431.82	336.36	312.40	23.96	14.039		
2,700.00	2,675.20	2,648.19	2,638.01	12.59	12.51	92.53	-190.23	423.67	344.48	319.68	24.79	13.894		
2,800.00	2,774.02	2,743.66	2,732.30	13.04	12.99	96.87	-202.39	414.98	355.28	329.64	25.64	13.859		
2,900.00	2,872.85	2,842.71	2,830.32	13.50	13.48	100.94	-214.14	406.88	367.47	340.96	26.50	13.866		
3,000.00	2,971.67	2,941.40	2,928.21	13.96	13.97	104.45	-224.87	400.52	380.62	353.26	27.36	13.913		
3,100.00	3,070.49	3,039.95	3,026.12	14.41	14.44	107.55	-234.81	395.29	394.43	366.22	28.21	13.982		
3,200.00	3,169.31	3,134.14	3,119.68	14.87	14.90	110.37	-244.30	389.92	409.27	380.26	29.01	14.106		
3,300.00	3,268.14	3,225.07	3,209.84	15.33	15.35	112.98	-254.61	384.17	426.35	396.57	29.78	14.317		
3,400.00	3,366.96	3,320.88	3,304.69	15.79	15.84	115.61	-266.30	377.41	445.24	414.64	30.60	14.550		
3,500.00	3,465.78	3,427.44	3,410.35	16.25	16.37	118.26	-278.11	370.28	463.90	432.36	31.55	14.705		
3,600.00	3,564.61	3,529.97	3,512.34	16.72	16.86	120.42	-287.30	365.28	480.99	448.54	32.44	14.826		
3,700.00	3,663.43	3,619.61	3,601.50	17.18	17.30	122.14	-295.70	361.22	499.00	465.80	33.20	15.029		
3,800.00	3,762.25	3,701.63	3,682.87	17.64	17.71	123.60	-305.21	357.30	519.69	485.83	33.86	15.347		
3,900.00	3,861.07	3,781.79	3,762.01	18.10	18.12	124.95	-317.06	352.70	543.97	509.49	34.48	15.777		
4,000.00	3,959.90	3,872.33	3,851.15	18.57	18.61	126.33	-332.04	347.45	570.34	535.10	35.24	16.184		
4,100.00	4,058.72	3,970.32	3,947.56	19.03	19.14	127.66	-348.64	341.95	597.34	561.22	36.12	16.538		
4,200.00	4,157.54	4,084.58	4,060.34	19.50	19.74	129.03	-366.19	336.60	622.89	585.67	37.22	16.735		
4,300.00	4,256.37	4,196.53	4,171.33	19.96	20.31	130.22	-380.21	332.64	645.63	607.37	38.26	16.873		
4,400.00	4,355.19	4,295.70	4,269.82	20.43	20.80	131.18	-391.54	329.78	667.38	628.23	39.15	17.048		
4,500.00	4,454.01	4,385.50	4,358.95	20.89	21.25	132.04	-401.90	326.54	689.65	649.72	39.93	17.273		
4,600.00	4,552.83	4,483.50	4,456.10	21.36	21.74	133.06	-413.58	321.13	713.07	672.27	40.80	17.476		
4,700.00	4,651.66	4,579.74	4,551.61	21.82	22.23	134.04	-424.10	315.59	735.89	694.23	41.66	17.665		
4,800.00	4,750.48	4,676.54	4,647.59	22.29	22.72	135.00	-435.04	309.44	759.46	716.94	42.52	17.860		
4,900.00	4,849.30	4,775.37	4,745.65	22.76	23.22	135.84	-446.23	304.44	782.73	739.32	43.41	18.030		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,948.13	4,886.33	4,855.82	23.22	23.77	136.54	-459.04	301.26	805.51	761.07	44.43	18.128		
5,100.00	5,046.95	5,004.22	4,973.17	23.69	24.34	137.28	-469.96	298.65	826.03	780.53	45.50	18.153		
5,200.00	5,145.77	5,139.92	5,108.61	24.16	24.94	138.18	-477.84	296.12	843.52	796.85	46.67	18.075		
5,300.00	5,244.59	5,262.01	5,230.68	24.62	25.44	138.95	-480.20	296.22	856.64	808.97	47.67	17.970		
5,400.00	5,343.42	5,376.83	5,345.48	25.09	25.88	139.79	-479.65	295.25	868.27	819.67	48.60	17.867		
5,500.00	5,442.24	5,482.76	5,451.37	25.56	26.26	140.64	-477.11	293.65	878.63	829.17	49.46	17.764		
5,600.00	5,541.06	5,580.34	5,548.87	26.03	26.61	141.48	-473.95	291.30	888.86	838.56	50.30	17.672		
5,700.00	5,639.89	5,676.64	5,645.12	26.50	26.96	142.24	-471.40	289.62	899.47	848.34	51.13	17.592		
5,800.00	5,738.71	5,777.60	5,746.06	26.96	27.32	142.81	-470.38	290.78	910.22	858.24	51.98	17.510		
5,900.00	5,837.53	5,872.96	5,841.40	27.43	27.67	143.34	-469.14	291.83	920.84	868.02	52.81	17.436		
6,000.00	5,936.35	5,948.00	5,916.44	27.90	27.96	143.78	-469.11	291.63	933.30	879.75	53.55	17.428		
6,100.00	6,035.18	6,067.17	6,035.60	28.37	28.42	144.50	-468.46	290.68	945.62	891.11	54.52	17.345		
6,200.00	6,134.00	6,161.82	6,130.25	28.84	28.78	145.04	-467.93	290.42	957.83	902.47	55.35	17.304		
6,300.00	6,232.82	6,271.46	6,239.86	29.31	29.20	145.72	-465.94	289.41	969.42	913.16	56.26	17.232		
6,400.00	6,331.64	6,381.26	6,349.64	29.77	29.60	146.35	-463.65	289.50	980.38	923.24	57.14	17.156		
6,477.15	6,407.89	6,535.11	6,503.09	30.14	30.14	146.86	-458.54	297.81	986.40	928.49	57.91	17.034		
6,500.00	6,430.52	6,573.67	6,541.15	30.24	30.26	153.00	-457.54	303.94	986.62	928.53	58.08	16.987		
6,550.00	6,480.31	6,696.77	6,659.10	30.46	30.65	-173.43	-457.58	338.39	983.13	924.89	58.24	16.880		
6,600.00	6,530.22	6,762.81	6,718.56	30.66	30.83	-107.40	-460.68	366.90	975.38	916.79	58.59	16.648		
6,650.00	6,579.93	6,936.60	6,863.38	30.85	31.23	-90.06	-468.60	462.11	964.54	906.45	58.09	16.605		
6,700.00	6,629.13	7,061.44	6,952.64	31.04	31.44	-89.34	-469.32	549.18	947.63	889.67	57.96	16.350		
6,750.00	6,677.53	7,150.00	6,957.85	31.23	31.09	-87.47	-469.09	556.58	929.61	872.57	57.04	16.297		
6,800.00	6,724.83	7,136.25	6,999.17	31.43	31.54	-90.73	-468.47	607.72	912.61	853.00	59.62	15.308		
6,850.00	6,770.73	7,151.64	7,008.10	31.63	31.55	-91.67	-468.32	620.26	897.22	836.66	60.56	14.816		
6,900.00	6,814.95	7,159.77	7,012.72	31.84	31.57	-92.41	-468.24	626.94	883.88	822.43	61.45	14.384		
6,950.00	6,857.22	7,162.08	7,014.03	32.06	31.57	-92.82	-468.22	628.85	872.90	810.64	62.26	14.021		
7,000.00	6,897.28	7,159.68	7,012.67	32.29	31.57	-92.86	-468.24	626.87	864.47	801.52	62.95	13.733		
7,050.00	6,934.88	7,153.45	7,009.14	32.54	31.56	-92.53	-468.30	621.74	858.70	795.18	63.51	13.520		
7,100.00	6,969.79	7,144.08	7,003.74	32.81	31.55	-91.84	-468.39	614.08	855.59	791.64	63.95	13.379		
7,134.83	6,992.40	7,135.98	6,999.01	33.02	31.54	-91.17	-468.47	607.50	854.97	790.78	64.19	13.320		
7,150.00	7,001.79	7,132.09	6,996.72	33.11	31.53	-90.83	-468.51	604.36	855.08	790.81	64.27	13.305		
7,200.00	7,030.69	7,117.93	6,988.26	33.44	31.52	-89.53	-468.67	593.01	857.06	792.58	64.48	13.291 SF		
7,250.00	7,056.31	7,101.93	6,978.47	33.81	31.50	-87.98	-468.87	580.36	861.35	796.73	64.62	13.330		
7,300.00	7,078.48	7,083.25	6,966.75	34.21	31.48	-86.13	-469.11	565.81	867.72	803.03	64.69	13.414		
7,350.00	7,097.08	7,060.15	6,951.79	34.65	31.44	-83.93	-469.33	548.21	875.87	811.16	64.70	13.536		
7,400.00	7,112.00	7,036.23	6,935.78	35.12	31.40	-81.62	-469.43	530.44	885.48	820.78	64.70	13.685		
7,450.00	7,123.12	7,011.63	6,918.76	35.64	31.37	-79.25	-469.39	512.67	896.29	831.58	64.71	13.851		
7,500.00	7,130.40	6,987.38	6,901.47	36.19	31.33	-76.91	-469.22	495.69	908.03	843.28	64.75	14.023		
7,550.00	7,133.78	6,964.93	6,884.94	36.77	31.29	-74.67	-468.98	480.49	920.53	855.64	64.88	14.187		
7,574.97	7,134.00	6,953.59	6,876.41	37.06	31.26	-73.56	-468.84	473.03	926.98	862.02	64.96	14.269		
7,600.00	7,133.73	6,942.41	6,867.87	37.37	31.24	-73.04	-468.69	465.81	933.73	868.67	65.06	14.353		
7,700.00	7,132.66	6,903.50	6,837.26	38.71	31.17	-71.17	-468.03	441.80	964.95	899.41	65.53	14.725		
7,800.00	7,131.59	6,846.67	6,790.58	40.20	31.04	-68.37	-466.12	409.46	1,002.38	936.72	65.66	15.266		
7,900.00	7,130.52	6,804.00	6,754.42	41.84	30.94	-66.23	-463.45	386.99	1,045.29	979.30	66.00	15.838		
8,000.00	7,129.45	6,776.96	6,730.99	43.60	30.87	-64.87	-461.56	373.61	1,094.09	1,027.50	66.58	16.432		
8,100.00	7,128.38	6,755.15	6,711.79	45.47	30.81	-63.78	-460.23	363.36	1,148.57	1,081.37	67.19	17.093		
8,200.00	7,127.31	6,735.20	6,693.99	47.44	30.75	-62.78	-459.17	354.40	1,208.07	1,140.32	67.75	17.831		
8,300.00	7,126.24	6,709.00	6,670.31	49.49	30.68	-61.49	-458.00	343.27	1,272.05	1,203.92	68.13	18.672		
8,400.00	7,125.17	6,709.00	6,670.31	51.61	30.68	-61.49	-458.00	343.27	1,339.84	1,271.02	68.83	19.467		
8,500.00	7,124.10	6,709.00	6,670.31	53.81	30.68	-61.49	-458.00	343.27	1,411.47	1,342.07	69.40	20.337		
8,600.00	7,123.03	6,685.16	6,648.34	56.06	30.61	-60.32	-457.31	334.04	1,485.53	1,415.93	69.60	21.344		
8,700.00	7,121.96	6,664.00	6,628.45	58.36	30.55	-59.30	-457.11	326.83	1,562.85	1,493.06	69.79	22.394		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,120.89	6,664.00	6,628.45	60.71	30.55	-59.30	-457.11	326.83	1,642.01	1,571.85	70.16	23.403		
8,900.00	7,119.82	6,664.00	6,628.45	63.10	30.55	-59.30	-457.11	326.83	1,723.34	1,652.87	70.47	24.455		
9,000.00	7,118.75	6,664.00	6,628.45	65.53	30.55	-59.30	-457.11	326.83	1,806.54	1,735.82	70.73	25.543		
9,100.00	7,117.68	6,644.56	6,609.94	67.98	30.49	-58.38	-457.11	320.90	1,891.02	1,820.23	70.79	26.714		
9,200.00	7,116.61	6,636.51	6,602.22	70.47	30.46	-58.00	-457.12	318.60	1,976.91	1,905.99	70.92	27.876		
9,300.00	7,115.54	6,614.00	6,580.51	72.98	30.39	-56.94	-457.13	312.67	2,064.18	1,993.26	70.93	29.104		
9,400.00	7,114.47	6,614.00	6,580.51	75.52	30.39	-56.94	-457.13	312.67	2,152.12	2,081.04	71.08	30.279		
9,500.00	7,113.40	6,614.00	6,580.51	78.08	30.39	-56.94	-457.13	312.67	2,241.07	2,169.86	71.21	31.473		
9,600.00	7,112.33	6,614.00	6,580.51	80.65	30.39	-56.94	-457.13	312.67	2,330.91	2,259.60	71.31	32.685		
9,700.00	7,111.26	6,614.00	6,580.51	83.25	30.39	-56.94	-457.13	312.67	2,421.55	2,350.15	71.41	33.912		
9,800.00	7,110.19	6,614.00	6,580.51	85.86	30.39	-56.94	-457.13	312.67	2,512.91	2,441.42	71.49	35.152		
9,900.00	7,109.12	6,614.00	6,580.51	88.48	30.39	-56.94	-457.13	312.67	2,604.89	2,533.34	71.56	36.404		
10,000.00	7,108.04	6,614.00	6,580.51	91.12	30.39	-56.94	-457.13	312.67	2,697.45	2,625.84	71.62	37.666		
10,100.00	7,106.97	6,614.00	6,580.51	93.77	30.39	-56.94	-457.13	312.67	2,790.52	2,718.85	71.67	38.937		
10,200.00	7,105.90	6,614.00	6,580.51	96.43	30.39	-56.94	-457.13	312.67	2,884.06	2,812.34	71.71	40.216		
10,300.00	7,104.83	6,614.00	6,580.51	99.10	30.39	-56.94	-457.13	312.67	2,978.01	2,906.26	71.75	41.503		
10,400.00	7,103.76	6,614.00	6,580.51	101.78	30.39	-56.94	-457.13	312.67	3,072.35	3,000.56	71.79	42.795		
10,500.00	7,102.69	6,572.93	6,540.42	104.47	30.26	-55.07	-457.56	303.80	3,165.41	3,093.71	71.70	44.149		
10,600.00	7,101.62	6,569.80	6,537.34	107.16	30.25	-54.94	-457.62	303.23	3,260.16	3,188.43	71.73	45.452		
10,700.00	7,100.55	6,566.81	6,534.40	109.87	30.24	-54.80	-457.68	302.70	3,355.20	3,283.45	71.76	46.759		
10,800.00	7,099.48	6,563.95	6,531.59	112.58	30.23	-54.68	-457.75	302.20	3,450.51	3,378.73	71.78	48.069		
10,900.00	7,098.41	6,561.23	6,528.90	115.29	30.22	-54.56	-457.82	301.74	3,546.06	3,474.25	71.81	49.383		
11,000.00	7,097.34	6,558.63	6,526.34	118.02	30.21	-54.44	-457.88	301.31	3,641.83	3,570.00	71.83	50.698		
11,100.00	7,096.27	6,519.00	6,487.09	120.74	30.08	-52.76	-459.28	296.05	3,739.11	3,667.33	71.78	52.094		
11,200.00	7,095.20	6,519.00	6,487.09	123.48	30.08	-52.76	-459.28	296.05	3,835.12	3,763.31	71.81	53.406		
11,300.00	7,094.13	6,519.00	6,487.09	126.22	30.08	-52.76	-459.28	296.05	3,931.34	3,859.49	71.84	54.720		
11,400.00	7,093.06	6,519.00	6,487.09	128.96	30.08	-52.76	-459.28	296.05	4,027.73	3,955.86	71.88	56.037		
11,500.00	7,091.99	6,519.00	6,487.09	131.71	30.08	-52.76	-459.28	296.05	4,124.30	4,052.39	71.91	57.355		
11,600.00	7,090.92	6,519.00	6,487.09	134.46	30.08	-52.76	-459.28	296.05	4,221.03	4,149.09	71.94	58.674		
11,700.00	7,089.85	6,519.00	6,487.09	137.21	30.08	-52.76	-459.28	296.05	4,317.91	4,245.94	71.97	59.995		
11,800.00	7,088.78	6,519.00	6,487.09	139.97	30.08	-52.76	-459.28	296.05	4,414.93	4,342.92	72.00	61.316		
11,900.00	7,087.71	6,519.00	6,487.09	142.73	30.08	-52.76	-459.28	296.05	4,512.07	4,440.04	72.03	62.638		
12,000.00	7,086.64	6,519.00	6,487.09	145.50	30.08	-52.76	-459.28	296.05	4,609.34	4,537.28	72.07	63.960		
12,100.00	7,085.57	6,519.00	6,487.09	148.26	30.08	-52.76	-459.28	296.05	4,706.73	4,634.63	72.10	65.283		
12,200.00	7,084.50	6,519.00	6,487.09	151.03	30.08	-52.76	-459.28	296.05	4,804.22	4,732.09	72.13	66.606		
12,300.00	7,083.43	6,519.00	6,487.09	153.81	30.08	-52.76	-459.28	296.05	4,901.81	4,829.65	72.16	67.928		
12,400.00	7,082.36	6,519.00	6,487.09	156.58	30.08	-52.76	-459.28	296.05	4,999.50	4,927.30	72.19	69.250		
12,500.00	7,081.29	6,519.00	6,487.09	159.36	30.08	-52.76	-459.28	296.05	5,097.27	5,025.05	72.23	70.572		
12,600.00	7,080.22	6,519.00	6,487.09	162.14	30.08	-52.76	-459.28	296.05	5,195.14	5,122.87	72.26	71.893		
12,700.00	7,079.15	6,519.00	6,487.09	164.92	30.08	-52.76	-459.28	296.05	5,293.08	5,220.78	72.30	73.213		
12,800.00	7,078.08	6,519.00	6,487.09	167.71	30.08	-52.76	-459.28	296.05	5,391.09	5,318.76	72.33	74.533		
12,900.00	7,077.01	6,519.00	6,487.09	170.49	30.08	-52.76	-459.28	296.05	5,489.18	5,416.82	72.37	75.851		
13,000.00	7,075.93	6,519.00	6,487.09	173.28	30.08	-52.76	-459.28	296.05	5,587.34	5,514.94	72.40	77.169		
13,100.00	7,074.86	6,519.00	6,487.09	176.07	30.08	-52.76	-459.28	296.05	5,685.56	5,613.12	72.44	78.485		
13,200.00	7,073.79	6,519.00	6,487.09	178.86	30.08	-52.76	-459.28	296.05	5,783.84	5,711.36	72.48	79.799		
13,300.00	7,072.72	6,519.00	6,487.09	181.65	30.08	-52.76	-459.28	296.05	5,882.18	5,809.66	72.52	81.113		
13,400.00	7,071.65	6,519.00	6,487.09	184.45	30.08	-52.76	-459.28	296.05	5,980.58	5,908.02	72.56	82.424		
13,500.00	7,070.58	6,519.00	6,487.09	187.25	30.08	-52.76	-459.28	296.05	6,079.02	6,006.43	72.60	83.734		
13,600.00	7,069.51	6,519.00	6,487.09	190.04	30.08	-52.76	-459.28	296.05	6,177.52	6,104.88	72.64	85.043		
13,700.00	7,068.44	6,519.00	6,487.09	192.84	30.08	-52.76	-459.28	296.05	6,276.07	6,203.38	72.68	86.349		
13,800.00	7,067.37	6,519.00	6,487.09	195.64	30.08	-52.76	-459.28	296.05	6,374.66	6,301.93	72.73	87.654		
13,900.00	7,066.30	6,519.00	6,487.09	198.44	30.08	-52.76	-459.28	296.05	6,473.29	6,400.52	72.77	88.956		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,065.23	6,519.00	6,487.09	201.24	30.08	-52.76	-459.28	296.05	6,571.96	6,499.15	72.81	90.257	
14,100.00	7,064.16	6,519.00	6,487.09	204.05	30.08	-52.76	-459.28	296.05	6,670.68	6,597.82	72.86	91.556	
14,200.00	7,063.09	6,519.00	6,487.09	206.85	30.08	-52.76	-459.28	296.05	6,769.43	6,696.52	72.91	92.852	
14,300.00	7,062.02	6,519.00	6,487.09	209.66	30.08	-52.76	-459.28	296.05	6,868.22	6,795.26	72.95	94.146	
14,400.00	7,060.95	6,519.00	6,487.09	212.46	30.08	-52.76	-459.28	296.05	6,967.04	6,894.04	73.00	95.438	
14,500.00	7,059.88	6,519.00	6,487.09	215.27	30.08	-52.76	-459.28	296.05	7,065.89	6,992.84	73.05	96.727	
14,600.00	7,058.81	6,519.00	6,487.09	218.08	30.08	-52.76	-459.28	296.05	7,164.78	7,091.68	73.10	98.014	
14,700.00	7,057.74	6,519.00	6,487.09	220.89	30.08	-52.76	-459.28	296.05	7,263.70	7,190.55	73.15	99.299	
14,800.00	7,056.67	6,519.00	6,487.09	223.70	30.08	-52.76	-459.28	296.05	7,362.65	7,289.45	73.20	100.580	
14,900.00	7,055.60	6,519.00	6,487.09	226.51	30.08	-52.76	-459.28	296.05	7,461.62	7,388.37	73.25	101.860	
15,000.00	7,054.53	6,519.00	6,487.09	229.32	30.08	-52.76	-459.28	296.05	7,560.62	7,487.32	73.31	103.137	
15,100.00	7,053.46	6,519.00	6,487.09	232.14	30.08	-52.76	-459.28	296.05	7,659.65	7,586.29	73.36	104.411	
15,200.00	7,052.39	6,519.00	6,487.09	234.95	30.08	-52.76	-459.28	296.05	7,758.70	7,685.29	73.42	105.682	
15,300.00	7,051.32	6,519.00	6,487.09	237.76	30.08	-52.76	-459.28	296.05	7,857.78	7,784.31	73.47	106.950	
15,400.00	7,050.25	6,519.00	6,487.09	240.58	30.08	-52.76	-459.28	296.05	7,956.88	7,883.35	73.53	108.216	
15,500.00	7,049.18	6,519.00	6,487.09	243.39	30.08	-52.76	-459.28	296.05	8,056.00	7,982.42	73.58	109.479	
15,600.00	7,048.11	6,519.00	6,487.09	246.21	30.08	-52.76	-459.28	296.05	8,155.15	8,081.50	73.64	110.739	
15,703.32	7,047.00	6,519.00	6,487.09	249.12	30.08	-52.76	-459.28	296.05	8,257.60	8,183.90	73.70	112.038	
15,703.90	7,046.99	6,519.00	6,487.09	249.13	30.08	-52.76	-459.28	296.05	8,258.18	8,184.48	73.70	112.045	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	85.69	39.00	516.94	518.46					
100.00	100.00	99.10	99.09	3.28	3.29	85.71	38.77	516.37	517.86	511.29	6.57	78.792		
200.00	200.00	202.35	202.34	3.34	3.32	85.76	38.14	514.67	516.16	509.50	6.66	77.506		
300.00	300.00	298.93	298.90	3.44	3.41	85.72	38.40	513.18	514.65	507.79	6.86	75.049		
400.00	399.98	395.27	395.22	3.60	3.55	18.96	40.05	512.34	512.25	505.10	7.15	71.641		
500.00	499.84	491.49	491.36	3.80	3.73	18.74	43.88	511.89	507.15	499.62	7.53	67.349		
600.00	599.45	587.84	587.43	4.05	3.95	18.26	51.20	512.00	499.64	491.65	7.99	62.525		
700.00	698.70	685.80	685.01	4.32	4.21	17.76	59.77	512.30	489.18	480.65	8.53	57.364		
740.00	738.27	724.52	723.58	4.45	4.32	17.61	63.11	512.53	484.19	475.43	8.76	55.269		
800.00	797.57	784.72	783.54	4.63	4.51	17.30	68.50	512.90	476.36	467.23	9.13	52.187		
900.00	896.39	884.29	882.51	4.96	4.84	16.51	79.41	513.05	463.11	453.33	9.78	47.345		
1,000.00	995.21	985.52	982.60	5.32	5.22	15.14	94.50	512.51	449.84	439.34	10.50	42.846		
1,100.00	1,094.03	1,084.54	1,080.04	5.69	5.63	13.32	112.03	510.94	436.29	425.03	11.26	38.734		
1,200.00	1,192.86	1,182.82	1,176.56	6.07	6.06	11.27	130.44	509.21	423.25	411.18	12.07	35.074		
1,300.00	1,291.68	1,279.28	1,271.35	6.47	6.51	9.18	148.23	507.65	410.84	397.95	12.89	31.862		
1,400.00	1,390.50	1,379.10	1,369.45	6.88	6.98	6.90	166.65	506.14	399.15	385.39	13.76	29.016		
1,500.00	1,489.33	1,483.75	1,472.51	7.29	7.49	4.50	184.66	503.77	387.01	372.36	14.65	26.425		
1,600.00	1,588.15	1,578.50	1,565.92	7.71	7.95	2.26	200.37	501.26	374.93	359.42	15.51	24.172		
1,700.00	1,686.97	1,684.42	1,670.37	8.14	8.47	-0.38	217.60	498.04	363.04	346.62	16.42	22.109		
1,800.00	1,785.79	1,774.66	1,759.37	8.57	8.92	-2.77	232.30	495.36	351.92	334.63	17.29	20.358		
1,900.00	1,884.62	1,867.66	1,851.03	9.01	9.39	-5.33	247.97	494.13	343.27	325.11	18.16	18.902		
2,000.00	1,983.44	1,962.89	1,944.85	9.45	9.88	-8.01	264.27	494.02	336.59	317.55	19.04	17.679		
2,100.00	2,082.26	2,057.33	2,037.63	9.89	10.38	-10.93	281.84	494.20	331.85	311.93	19.92	16.663		
2,200.00	2,181.09	2,164.60	2,142.96	10.33	10.96	-14.52	302.14	493.11	327.35	306.49	20.86	15.695		
2,300.00	2,279.91	2,268.24	2,244.96	10.78	11.52	-18.15	320.12	489.54	321.16	299.39	21.77	14.751		
2,400.00	2,378.73	2,359.59	2,334.56	11.23	12.01	-21.71	337.56	486.03	317.17	294.54	22.63	14.018		
2,500.00	2,477.55	2,457.82	2,430.96	11.68	12.56	-25.46	356.22	483.22	315.24	291.74	23.50	13.414		
2,579.45	2,556.07	2,534.89	2,506.70	12.04	12.98	-28.29	370.39	481.67	314.73	290.56	24.18	13.018 CC		
2,600.00	2,576.38	2,552.24	2,523.74	12.13	13.08	-28.91	373.65	481.45	314.88	290.55	24.33	12.941 ES		
2,700.00	2,675.20	2,643.29	2,612.97	12.59	13.59	-32.10	391.75	481.50	318.00	292.88	25.12	12.658		
2,800.00	2,774.02	2,742.57	2,710.13	13.04	14.15	-35.57	412.17	481.54	322.88	296.91	25.97	12.432		
2,900.00	2,872.85	2,842.59	2,808.03	13.50	14.73	-39.07	432.63	480.71	328.45	301.62	26.83	12.244		
3,000.00	2,971.67	2,942.01	2,905.37	13.96	15.30	-42.59	452.78	478.74	334.57	306.90	27.67	12.091		
3,100.00	3,070.49	3,041.59	3,002.97	14.41	15.87	-45.91	472.44	477.04	341.52	313.00	28.52	11.975		
3,200.00	3,169.31	3,141.82	3,101.30	14.87	16.44	-49.18	491.73	474.73	348.92	319.55	29.37	11.880		
3,300.00	3,268.14	3,241.59	3,199.35	15.33	16.99	-52.16	510.08	473.07	356.72	326.49	30.23	11.802		
3,400.00	3,366.96	3,340.56	3,296.68	15.79	17.54	-54.99	527.98	471.37	365.10	334.03	31.07	11.749		
3,500.00	3,465.78	3,439.31	3,393.89	16.25	18.09	-57.43	545.32	471.29	374.06	342.13	31.93	11.715		
3,600.00	3,564.61	3,538.77	3,491.82	16.72	18.63	-59.78	562.66	471.11	383.52	350.72	32.80	11.692		
3,700.00	3,663.43	3,640.57	3,592.15	17.18	19.18	-62.10	579.86	470.61	393.04	359.34	33.70	11.663		
3,800.00	3,762.25	3,730.29	3,680.53	17.64	19.68	-64.09	595.35	469.97	403.52	369.04	34.49	11.701		
3,900.00	3,861.07	3,823.88	3,772.37	18.10	20.21	-66.03	613.35	469.51	416.50	381.19	35.32	11.794		
4,000.00	3,959.90	3,920.65	3,867.22	18.57	20.77	-67.96	632.49	468.64	430.55	394.36	36.19	11.897		
4,100.00	4,058.72	4,021.72	3,966.32	19.03	21.35	-69.95	652.27	467.07	444.92	407.79	37.13	11.984		
4,200.00	4,157.54	4,120.85	4,063.65	19.50	21.92	-71.84	671.02	465.02	459.15	421.11	38.04	12.069		
4,300.00	4,256.37	4,222.90	4,163.93	19.96	22.49	-73.76	689.70	462.24	473.35	434.35	39.00	12.138		
4,400.00	4,355.19	4,316.48	4,255.88	20.43	23.02	-75.33	706.95	460.51	487.98	448.12	39.86	12.242		
4,500.00	4,454.01	4,418.25	4,355.83	20.89	23.60	-76.74	726.10	460.21	503.06	462.23	40.83	12.322		
4,600.00	4,552.83	4,516.79	4,452.71	21.36	24.15	-78.11	744.11	459.25	518.01	476.25	41.76	12.405		
4,700.00	4,651.66	4,616.40	4,550.71	21.82	24.71	-79.52	761.87	457.49	533.01	490.30	42.71	12.481		
4,800.00	4,750.48	4,713.09	4,645.78	22.29	25.25	-80.71	779.45	456.70	548.39	504.77	43.62	12.571		
4,900.00	4,849.30	4,814.54	4,745.57	22.76	25.82	-81.85	797.71	456.32	563.70	519.10	44.60	12.639		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 168-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,948.13	4,912.88	4,842.36	23.22	26.37	-82.95	815.08	455.41	579.04	533.50	45.54	12.714		
5,100.00	5,046.95	5,015.69	4,943.65	23.69	26.94	-84.13	832.64	453.78	594.25	547.71	46.54	12.769		
5,200.00	5,145.77	5,114.52	5,041.14	24.16	27.48	-85.17	848.76	452.87	608.72	561.23	47.49	12.819		
5,300.00	5,244.59	5,205.68	5,130.89	24.62	27.98	-86.08	864.72	451.68	624.61	576.26	48.36	12.917		
5,400.00	5,343.42	5,303.10	5,226.84	25.09	28.52	-87.07	881.51	449.76	640.69	591.39	49.30	12.996		
5,500.00	5,442.24	5,395.37	5,317.54	25.56	29.04	-88.00	898.24	447.25	658.04	607.86	50.18	13.113		
5,600.00	5,541.06	5,501.77	5,422.14	26.03	29.64	-88.85	917.70	446.19	675.05	623.82	51.24	13.176		
5,700.00	5,639.89	5,606.32	5,525.15	26.50	30.22	-89.71	935.52	445.07	691.07	638.81	52.26	13.224		
5,800.00	5,738.71	5,726.97	5,644.40	26.96	30.85	-90.78	953.69	443.01	705.80	652.37	53.42	13.211		
5,900.00	5,837.53	5,838.22	5,754.86	27.43	31.40	-91.84	966.73	441.25	717.52	663.05	54.47	13.173		
6,000.00	5,936.35	5,984.15	5,900.36	27.90	32.02	-93.44	977.19	438.57	725.53	669.91	55.62	13.044		
6,100.00	6,035.18	6,123.20	6,039.38	28.37	32.52	-95.08	978.79	438.16	727.83	671.29	56.54	12.873		
6,114.92	6,049.92	6,143.65	6,059.84	28.44	32.59	-95.33	978.44	438.34	727.75	671.08	56.66	12.844		
6,200.00	6,134.00	6,213.44	6,129.63	28.84	32.80	-96.18	977.93	438.42	728.36	670.91	57.45	12.678		
6,300.00	6,232.82	6,322.87	6,239.05	29.31	33.16	-97.46	977.12	439.21	729.19	670.86	58.33	12.500		
6,400.00	6,331.64	6,423.34	6,339.49	29.77	33.49	-98.52	976.82	441.57	729.85	670.61	59.24	12.320		
6,477.15	6,407.89	6,587.70	6,500.15	30.14	34.06	-98.25	981.44	471.72	726.47	667.13	59.35	12.241		
6,500.00	6,430.52	6,619.71	6,529.48	30.24	34.18	-91.15	983.80	484.33	723.40	663.95	59.45	12.168		
6,550.00	6,480.31	6,673.09	6,578.48	30.46	34.36	-53.87	987.13	505.23	715.15	655.30	59.85	11.949		
6,600.00	6,530.22	6,717.59	6,619.59	30.66	34.51	16.51	989.30	522.14	705.23	644.91	60.32	11.692		
6,650.00	6,579.93	6,927.18	6,799.94	30.85	35.08	51.89	986.13	625.96	689.02	631.58	57.44	11.995		
6,700.00	6,629.13	6,966.88	6,829.67	31.04	35.17	64.95	983.86	652.16	668.58	610.47	58.11	11.506		
6,750.00	6,677.53	7,003.51	6,855.86	31.23	35.24	73.73	982.07	677.71	649.08	590.21	58.87	11.025		
6,800.00	6,724.83	7,032.65	6,875.67	31.43	35.31	80.26	980.67	699.02	631.35	571.54	59.81	10.556		
6,850.00	6,770.73	7,050.74	6,887.47	31.63	35.35	84.82	979.84	712.71	616.45	555.53	60.92	10.118		
6,900.00	6,814.95	7,061.96	6,894.59	31.84	35.38	87.96	979.35	721.37	605.16	543.15	62.01	9.759		
6,950.00	6,857.22	7,067.60	6,898.10	32.06	35.39	89.90	979.11	725.77	598.03	535.07	62.96	9.498		
7,000.00	6,897.28	7,068.84	6,898.87	32.29	35.39	90.82	979.06	726.74	595.39	531.67	63.72	9.344		
7,003.76	6,900.20	7,068.78	6,898.83	32.31	35.39	90.86	979.06	726.70	595.38	531.61	63.76	9.337		
7,050.00	6,934.88	7,066.59	6,897.48	32.54	35.39	90.87	979.15	724.98	597.34	533.10	64.24	9.299 SF		
7,100.00	6,969.79	7,061.55	6,894.33	32.81	35.37	90.16	979.37	721.05	603.78	539.26	64.52	9.358		
7,150.00	7,001.79	7,054.23	6,889.71	33.11	35.36	88.76	979.69	715.39	614.45	549.84	64.62	9.509		
7,200.00	7,030.69	7,045.06	6,883.81	33.44	35.34	86.76	980.10	708.38	628.96	564.39	64.57	9.741		
7,250.00	7,056.31	7,034.36	6,876.81	33.81	35.31	84.25	980.59	700.30	646.84	582.40	64.44	10.038		
7,300.00	7,078.48	7,022.01	6,868.54	34.21	35.29	81.26	981.18	691.14	667.56	603.29	64.28	10.385		
7,350.00	7,097.08	7,007.89	6,858.89	34.65	35.25	77.87	981.86	680.85	690.60	626.47	64.13	10.768		
7,400.00	7,112.00	6,992.75	6,848.31	35.12	35.22	74.23	982.59	670.06	715.43	651.39	64.03	11.173		
7,450.00	7,123.12	6,980.00	6,839.20	35.64	35.19	70.67	983.20	661.15	741.58	677.51	64.07	11.575		
7,500.00	7,130.40	6,960.70	6,825.13	36.19	35.15	66.66	984.19	647.98	768.62	704.54	64.08	11.995		
7,550.00	7,133.78	6,943.74	6,812.50	36.77	35.12	62.91	985.13	636.70	796.19	731.96	64.22	12.397		
7,574.97	7,134.00	6,932.00	6,803.62	37.06	35.09	60.92	985.83	629.06	810.05	745.79	64.26	12.606		
7,600.00	7,133.73	6,932.00	6,803.62	37.37	35.09	60.92	985.83	629.06	824.14	759.59	64.55	12.767		
7,700.00	7,132.66	6,885.00	6,766.97	38.71	35.00	58.47	988.92	599.81	883.64	818.84	64.80	13.637		
7,800.00	7,131.59	6,861.11	6,747.60	40.20	34.94	57.23	990.43	585.91	947.80	882.33	65.47	14.477		
7,900.00	7,130.52	6,837.00	6,727.45	41.84	34.89	55.96	991.63	572.73	1,016.17	950.10	66.07	15.380		
8,000.00	7,129.45	6,809.72	6,703.86	43.60	34.81	54.50	992.28	559.05	1,088.16	1,021.61	66.55	16.351		
8,100.00	7,128.38	6,790.00	6,686.29	45.47	34.76	53.42	992.13	550.11	1,163.39	1,096.34	67.05	17.350		
8,200.00	7,127.31	6,771.29	6,669.31	47.44	34.69	52.38	991.63	542.27	1,241.44	1,173.96	67.48	18.397		
8,300.00	7,126.24	6,755.04	6,654.37	49.49	34.64	51.48	991.04	535.89	1,321.90	1,254.00	67.89	19.470		
8,400.00	7,125.17	6,732.61	6,633.53	51.61	34.57	50.25	990.02	527.66	1,404.43	1,336.26	68.18	20.600		
8,500.00	7,124.10	6,645.26	6,652.90	53.81	34.26	45.83	985.51	494.41	1,487.56	1,419.93	67.63	21.995		
8,600.00	7,123.03	6,600.00	6,611.46	56.06	34.11	43.73	982.34	476.47	1,570.73	1,503.11	67.62	23.229		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,700.00	7,121.96	6,600.00	6,511.46	58.36	34.11	43.73	982.34	476.47	1,655.46	1,587.34	68.12	24.301		
8,800.00	7,120.89	6,600.00	6,511.46	60.71	34.11	43.73	982.34	476.47	1,741.82	1,673.27	68.55	25.408		
8,900.00	7,119.82	6,600.00	6,511.46	63.10	34.11	43.73	982.34	476.47	1,829.56	1,760.64	68.92	26.546		
9,000.00	7,118.75	6,600.00	6,511.46	65.53	34.11	43.73	982.34	476.47	1,918.51	1,849.27	69.24	27.710		
9,100.00	7,117.68	6,600.00	6,511.46	67.98	34.11	43.73	982.34	476.47	2,008.49	1,938.99	69.51	28.896		
9,200.00	7,116.61	6,560.41	6,474.51	70.47	33.97	41.98	979.75	462.54	2,096.86	2,027.39	69.47	30.185		
9,300.00	7,115.54	6,555.95	6,470.26	72.98	33.95	41.79	979.52	461.22	2,187.96	2,118.29	69.67	31.405		
9,400.00	7,114.47	6,551.80	6,466.28	75.52	33.94	41.61	979.32	460.04	2,279.75	2,209.90	69.85	32.638		
9,500.00	7,113.40	6,547.93	6,462.57	78.08	33.92	41.44	979.14	458.98	2,372.16	2,302.14	70.01	33.883		
9,600.00	7,112.33	6,505.00	6,420.68	80.65	33.77	39.67	977.74	449.81	2,467.55	2,397.61	69.94	35.279		
9,700.00	7,111.26	6,505.00	6,420.68	83.25	33.77	39.67	977.74	449.81	2,560.59	2,490.48	70.11	36.522		
9,800.00	7,110.19	6,505.00	6,420.68	85.86	33.77	39.67	977.74	449.81	2,654.14	2,583.88	70.26	37.776		
9,900.00	7,109.12	6,505.00	6,420.68	88.48	33.77	39.67	977.74	449.81	2,748.14	2,677.74	70.40	39.039		
10,000.00	7,108.04	6,505.00	6,420.68	91.12	33.77	39.67	977.74	449.81	2,842.55	2,772.03	70.52	40.309		
10,100.00	7,106.97	6,505.00	6,420.68	93.77	33.77	39.67	977.74	449.81	2,937.33	2,866.70	70.63	41.587		
10,200.00	7,105.90	6,505.00	6,420.68	96.43	33.77	39.67	977.74	449.81	3,032.44	2,961.71	70.73	42.871		
10,300.00	7,104.83	6,505.00	6,420.68	99.10	33.77	39.67	977.74	449.81	3,127.86	3,057.03	70.83	44.160		
10,400.00	7,103.76	6,505.00	6,420.68	101.78	33.77	39.67	977.74	449.81	3,223.56	3,152.64	70.92	45.454		
10,500.00	7,102.69	6,505.00	6,420.68	104.47	33.77	39.67	977.74	449.81	3,319.51	3,248.51	71.00	46.752		
10,600.00	7,101.62	6,505.00	6,420.68	107.16	33.77	39.67	977.74	449.81	3,415.70	3,344.62	71.08	48.054		
10,700.00	7,100.55	6,505.00	6,420.68	109.87	33.77	39.67	977.74	449.81	3,512.09	3,440.94	71.15	49.359		
10,800.00	7,099.48	6,505.00	6,420.68	112.58	33.77	39.67	977.74	449.81	3,608.69	3,537.46	71.22	50.666		
10,900.00	7,098.41	6,505.00	6,420.68	115.29	33.77	39.67	977.74	449.81	3,705.46	3,634.17	71.29	51.976		
11,000.00	7,097.34	6,505.00	6,420.68	118.02	33.77	39.67	977.74	449.81	3,802.40	3,731.04	71.36	53.288		
11,100.00	7,096.27	6,505.00	6,420.68	120.74	33.77	39.67	977.74	449.81	3,899.50	3,828.08	71.42	54.601		
11,200.00	7,095.20	6,505.00	6,420.68	123.48	33.77	39.67	977.74	449.81	3,996.73	3,925.26	71.48	55.915		
11,300.00	7,094.13	6,505.00	6,420.68	126.22	33.77	39.67	977.74	449.81	4,094.10	4,022.57	71.54	57.231		
11,400.00	7,093.06	6,505.00	6,420.68	128.96	33.77	39.67	977.74	449.81	4,191.60	4,120.01	71.59	58.547		
11,500.00	7,091.99	6,505.00	6,420.68	131.71	33.77	39.67	977.74	449.81	4,289.21	4,217.56	71.65	59.864		
11,600.00	7,090.92	6,505.00	6,420.68	134.46	33.77	39.67	977.74	449.81	4,386.93	4,315.22	71.70	61.181		
11,700.00	7,089.85	6,505.00	6,420.68	137.21	33.77	39.67	977.74	449.81	4,484.75	4,412.99	71.76	62.498		
11,800.00	7,088.78	6,505.00	6,420.68	139.97	33.77	39.67	977.74	449.81	4,582.66	4,510.85	71.81	63.814		
11,900.00	7,087.71	6,505.00	6,420.68	142.73	33.77	39.67	977.74	449.81	4,680.66	4,608.80	71.87	65.131		
12,000.00	7,086.64	6,505.00	6,420.68	145.50	33.77	39.67	977.74	449.81	4,778.75	4,706.83	71.92	66.447		
12,100.00	7,085.57	6,505.00	6,420.68	148.26	33.77	39.67	977.74	449.81	4,876.91	4,804.94	71.97	67.762		
12,200.00	7,084.50	6,505.00	6,420.68	151.03	33.77	39.67	977.74	449.81	4,975.14	4,903.12	72.02	69.077		
12,300.00	7,083.43	6,505.00	6,420.68	153.81	33.77	39.67	977.74	449.81	5,073.45	5,001.37	72.08	70.391		
12,400.00	7,082.36	6,505.00	6,420.68	156.58	33.77	39.67	977.74	449.81	5,171.82	5,099.69	72.13	71.703		
12,500.00	7,081.29	6,505.00	6,420.68	159.36	33.77	39.67	977.74	449.81	5,270.25	5,198.07	72.18	73.015		
12,600.00	7,080.22	6,505.00	6,420.68	162.14	33.77	39.67	977.74	449.81	5,368.73	5,296.50	72.23	74.325		
12,700.00	7,079.15	6,505.00	6,420.68	164.92	33.77	39.67	977.74	449.81	5,467.28	5,394.99	72.29	75.634		
12,800.00	7,078.08	6,505.00	6,420.68	167.71	33.77	39.67	977.74	449.81	5,565.87	5,493.53	72.34	76.941		
12,900.00	7,077.01	6,505.00	6,420.68	170.49	33.77	39.67	977.74	449.81	5,664.52	5,592.12	72.39	78.246		
13,000.00	7,075.93	6,505.00	6,420.68	173.28	33.77	39.67	977.74	449.81	5,763.21	5,690.76	72.45	79.550		
13,100.00	7,074.86	6,505.00	6,420.68	176.07	33.77	39.67	977.74	449.81	5,861.94	5,789.44	72.50	80.852		
13,200.00	7,073.79	6,505.00	6,420.68	178.86	33.77	39.67	977.74	449.81	5,960.72	5,888.16	72.56	82.153		
13,300.00	7,072.72	6,505.00	6,420.68	181.65	33.77	39.67	977.74	449.81	6,059.54	5,986.93	72.61	83.451		
13,400.00	7,071.65	6,505.00	6,420.68	184.45	33.77	39.67	977.74	449.81	6,158.40	6,085.73	72.67	84.747		
13,500.00	7,070.58	6,505.00	6,420.68	187.25	33.77	39.67	977.74	449.81	6,257.29	6,184.56	72.72	86.041		
13,600.00	7,069.51	6,505.00	6,420.68	190.04	33.77	39.67	977.74	449.81	6,356.21	6,283.43	72.78	87.333		
13,700.00	7,068.44	6,505.00	6,420.68	192.84	33.77	39.67	977.74	449.81	6,455.17	6,382.34	72.84	88.623		
13,800.00	7,067.37	6,505.00	6,420.68	195.64	33.77	39.67	977.74	449.81	6,554.17	6,481.27	72.90	89.910		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,900.00	7,066.30	6,505.00	6,420.68	198.44	33.77	39.67	977.74	449.81	6,653.19	6,580.23	72.96	91.195		
14,000.00	7,065.23	6,505.00	6,420.68	201.24	33.77	39.67	977.74	449.81	6,752.24	6,679.22	73.02	92.477		
14,100.00	7,064.16	6,462.36	6,378.40	204.05	33.63	38.03	977.10	444.36	6,849.92	6,776.87	73.05	93.775		
14,200.00	7,063.09	6,461.34	6,377.38	206.85	33.62	37.99	977.09	444.26	6,948.95	6,875.85	73.11	95.052		
14,300.00	7,062.02	6,460.34	6,376.39	209.66	33.62	37.96	977.08	444.17	7,048.02	6,974.85	73.17	96.327		
14,400.00	7,060.95	6,459.37	6,375.42	212.46	33.62	37.92	977.07	444.07	7,147.11	7,073.88	73.23	97.598		
14,500.00	7,059.88	6,458.42	6,374.48	215.27	33.61	37.89	977.06	443.98	7,246.22	7,172.93	73.29	98.867		
14,600.00	7,058.81	6,457.50	6,373.56	218.08	33.61	37.85	977.05	443.90	7,345.35	7,272.00	73.36	100.134		
14,700.00	7,057.74	6,456.60	6,372.66	220.89	33.61	37.82	977.04	443.82	7,444.51	7,371.09	73.42	101.397		
14,800.00	7,056.67	6,455.72	6,371.79	223.70	33.60	37.79	977.03	443.74	7,543.69	7,470.21	73.48	102.658		
14,900.00	7,055.60	6,454.86	6,370.93	226.51	33.60	37.76	977.03	443.66	7,642.89	7,569.34	73.55	103.916		
15,000.00	7,054.53	6,454.02	6,370.10	229.32	33.60	37.72	977.02	443.59	7,742.11	7,668.49	73.61	105.170		
15,100.00	7,053.46	6,453.20	6,369.28	232.14	33.59	37.69	977.01	443.52	7,841.34	7,767.66	73.68	106.422		
15,200.00	7,052.39	6,410.00	6,326.15	234.95	33.45	36.17	976.78	441.10	7,941.97	7,868.24	73.73	107.721		
15,300.00	7,051.32	6,410.00	6,326.15	237.76	33.45	36.17	976.78	441.10	8,041.19	7,967.39	73.80	108.965		
15,400.00	7,050.25	6,410.00	6,326.15	240.58	33.45	36.17	976.78	441.10	8,140.43	8,066.56	73.87	110.207		
15,500.00	7,049.18	6,410.00	6,326.15	243.39	33.45	36.17	976.78	441.10	8,239.69	8,165.75	73.94	111.445		
15,600.00	7,048.11	6,410.00	6,326.15	246.21	33.45	36.17	976.78	441.10	8,338.96	8,264.96	74.01	112.680		
15,703.32	7,047.00	6,410.00	6,326.15	249.12	33.45	36.17	976.78	441.10	8,441.55	8,367.47	74.08	113.953		
15,703.90	7,046.99	6,410.00	6,326.15	249.13	33.45	36.17	976.78	441.10	8,442.13	8,368.05	74.08	113.960		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	87.33	24.06	515.27	515.88					
100.00	100.00	93.42	93.42	3.28	3.29	87.34	23.93	515.24	515.79	509.22	6.57	78.494		
200.00	200.00	194.79	194.79	3.34	3.32	87.39	23.47	515.11	515.64	508.99	6.65	77.494		
300.00	300.00	298.51	298.50	3.44	3.41	87.48	22.60	514.41	514.94	508.08	6.86	75.064		
400.00	399.98	398.11	398.09	3.60	3.56	20.99	21.95	513.32	512.18	505.02	7.16	71.516		
500.00	499.84	501.32	501.29	3.80	3.76	21.32	21.30	512.06	506.06	498.50	7.56	66.910		
600.00	599.45	601.64	601.59	4.05	3.99	21.84	20.58	510.28	496.17	488.13	8.04	61.731		
700.00	698.70	696.32	696.26	4.32	4.24	22.45	20.51	508.95	483.47	474.91	8.56	56.505		
740.00	738.27	736.78	736.72	4.45	4.35	22.74	20.74	508.54	477.66	468.87	8.79	54.348		
800.00	797.57	797.93	797.87	4.63	4.53	23.14	21.18	507.71	468.39	459.24	9.15	51.205		
900.00	896.39	895.53	895.44	4.96	4.82	23.66	22.95	506.30	452.91	443.15	9.76	46.400		
1,000.00	995.21	993.14	992.98	5.32	5.13	23.98	26.51	505.11	437.66	427.25	10.41	42.047		
1,100.00	1,094.03	1,088.66	1,088.37	5.69	5.45	24.14	31.28	504.47	422.96	411.88	11.08	38.165		
1,200.00	1,192.86	1,184.66	1,184.19	6.07	5.78	24.18	37.06	504.66	409.11	397.32	11.79	34.711		
1,300.00	1,291.68	1,286.88	1,286.19	6.47	6.15	24.12	43.82	504.73	395.13	382.60	12.53	31.527		
1,400.00	1,390.50	1,388.61	1,387.55	6.88	6.53	23.78	52.43	504.04	380.40	367.10	13.30	28.597		
1,500.00	1,489.33	1,490.05	1,488.17	7.29	6.94	22.75	65.16	502.61	364.99	350.90	14.10	25.892		
1,600.00	1,588.15	1,592.75	1,589.73	7.71	7.37	21.24	80.18	500.10	348.76	333.84	14.92	23.376		
1,700.00	1,686.97	1,694.62	1,690.47	8.14	7.80	19.62	94.90	496.44	331.63	315.87	15.76	21.047		
1,800.00	1,785.79	1,795.04	1,789.81	8.57	8.25	17.94	108.79	491.79	313.69	297.08	16.60	18.892		
1,900.00	1,884.62	1,890.43	1,884.30	9.01	8.68	16.32	121.14	487.41	295.97	278.52	17.46	16.954		
2,000.00	1,983.44	1,984.65	1,977.56	9.45	9.10	14.39	134.25	484.58	280.20	261.87	18.32	15.292		
2,100.00	2,082.26	2,084.28	2,076.26	9.89	9.56	12.25	147.49	481.77	264.87	245.67	19.20	13.792		
2,200.00	2,181.09	2,183.12	2,174.32	10.33	10.02	10.10	159.59	478.89	249.62	229.53	20.09	12.427		
2,300.00	2,279.91	2,282.33	2,272.81	10.78	10.47	7.82	171.11	475.93	234.52	213.54	20.98	11.180		
2,400.00	2,378.73	2,378.74	2,368.22	11.23	10.93	4.70	184.45	472.31	219.80	197.92	21.88	10.044		
2,500.00	2,477.55	2,477.12	2,465.36	11.68	11.41	0.72	199.75	469.19	207.03	184.23	22.81	9.078		
2,600.00	2,576.38	2,572.85	2,559.95	12.13	11.89	-3.53	214.02	465.72	194.72	170.99	23.73	8.206		
2,700.00	2,675.20	2,668.81	2,654.45	12.59	12.37	-8.67	230.59	463.58	186.06	161.41	24.65	7.548		
2,800.00	2,774.02	2,768.66	2,752.65	13.04	12.89	-14.77	248.35	460.49	178.82	153.24	25.58	6.990		
2,900.00	2,872.85	2,864.02	2,846.52	13.50	13.38	-20.89	264.86	457.55	173.43	146.97	26.47	6.553		
3,000.00	2,971.67	2,961.62	2,942.65	13.96	13.88	-26.86	281.76	456.86	171.77	144.43	27.33	6.284		
3,093.26	3,063.83	3,055.10	3,034.76	14.38	14.37	-32.71	297.62	455.64	171.44	143.29	28.15	6.090		
3,100.00	3,070.49	3,061.88	3,041.45	14.41	14.40	-33.14	298.74	455.51	171.44	143.23	28.21	6.077		
3,200.00	3,169.31	3,162.00	3,140.23	14.87	14.92	-39.55	314.88	453.13	171.97	142.90	29.07	5.915		
3,300.00	3,268.14	3,261.84	3,238.84	15.33	15.43	-46.00	330.20	449.89	173.60	143.68	29.92	5.802		
3,400.00	3,366.96	3,359.02	3,334.85	15.79	15.93	-52.05	344.82	446.78	177.11	146.38	30.73	5.763		
3,500.00	3,465.78	3,458.63	3,433.32	16.25	16.44	-57.80	359.65	444.10	182.52	150.95	31.58	5.780		
3,600.00	3,564.61	3,553.37	3,526.91	16.72	16.93	-62.81	374.17	441.92	190.11	157.75	32.35	5.876		
3,700.00	3,663.43	3,653.03	3,625.28	17.18	17.44	-67.36	390.06	440.67	199.75	166.53	33.23	6.012		
3,800.00	3,762.25	3,750.63	3,721.65	17.64	17.95	-71.63	405.35	438.56	210.33	176.26	34.07	6.173		
3,900.00	3,861.07	3,846.86	3,816.57	18.10	18.46	-75.63	420.89	435.63	222.62	187.72	34.90	6.378		
4,000.00	3,959.90	3,944.39	3,912.69	18.57	18.98	-79.45	436.95	431.75	236.46	200.68	35.77	6.610		
4,100.00	4,058.72	4,043.25	4,010.15	19.03	19.50	-83.04	452.95	427.24	251.15	214.48	36.68	6.847		
4,200.00	4,157.54	4,144.77	4,110.39	19.50	20.04	-86.39	468.32	422.56	265.75	228.11	37.64	7.060		
4,300.00	4,256.37	4,245.28	4,209.82	19.96	20.55	-89.51	482.18	417.74	279.95	241.37	38.58	7.256		
4,400.00	4,355.19	4,345.25	4,308.82	20.43	21.06	-92.45	495.02	412.54	294.21	254.69	39.52	7.444		
4,500.00	4,454.01	4,449.17	4,411.85	20.89	21.58	-94.79	508.33	409.81	307.89	267.37	40.52	7.599		
4,600.00	4,552.83	4,556.21	4,518.29	21.36	22.09	-97.14	519.44	407.54	319.64	278.11	41.53	7.696		
4,700.00	4,651.66	4,660.93	4,622.64	21.82	22.57	-99.29	528.05	406.60	329.36	286.85	42.50	7.749		
4,800.00	4,750.48	4,767.25	4,728.76	22.29	23.03	-101.68	534.28	404.90	337.98	294.51	43.47	7.775		
4,900.00	4,849.30	4,876.52	4,837.98	22.76	23.47	-104.38	536.91	403.32	344.30	299.88	44.42	7.751		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 165-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,948.13	4,975.31	4,936.76	23.22	23.85	-106.92	537.19	401.99	349.55	304.23	45.33	7.712		
5,100.00	5,046.95	5,073.30	5,034.74	23.69	24.23	-109.33	537.83	400.71	355.74	309.51	46.23	7.694		
5,200.00	5,145.77	5,171.78	5,133.21	24.16	24.61	-111.71	538.33	399.10	362.67	315.53	47.14	7.694		
5,300.00	5,244.59	5,269.41	5,230.82	24.62	24.99	-114.03	538.68	397.18	370.37	322.34	48.03	7.711		
5,400.00	5,343.42	5,369.97	5,331.35	25.09	25.38	-116.35	538.83	395.20	378.54	329.61	48.94	7.735		
5,500.00	5,442.24	5,467.32	5,428.69	25.56	25.76	-118.50	538.92	393.34	387.21	337.38	49.82	7.772		
5,600.00	5,541.06	5,564.24	5,525.59	26.03	26.14	-120.43	539.94	391.56	396.92	346.21	50.70	7.828		
5,700.00	5,639.89	5,674.79	5,636.12	26.50	26.58	-122.33	541.22	391.88	405.35	353.70	51.65	7.848		
5,800.00	5,738.71	5,774.56	5,735.83	26.96	26.98	-123.68	543.29	394.54	412.67	360.13	52.54	7.854		
5,900.00	5,837.53	5,869.53	5,830.74	27.43	27.36	-124.85	546.02	396.81	420.86	367.44	53.41	7.879		
6,000.00	5,936.35	5,964.90	5,926.10	27.90	27.73	-126.40	546.53	396.71	430.20	375.92	54.28	7.926		
6,100.00	6,035.18	6,060.37	6,021.56	28.37	28.11	-127.97	546.89	395.69	440.63	385.50	55.13	7.992		
6,200.00	6,134.00	6,163.25	6,124.43	28.84	28.52	-129.55	547.69	394.25	451.90	395.86	56.03	8.065		
6,300.00	6,232.82	6,274.40	6,235.55	29.31	28.94	-131.38	546.66	394.68	460.71	403.75	56.96	8.089		
6,400.00	6,331.64	6,438.33	6,398.78	29.77	29.55	-132.95	546.32	407.73	465.19	407.66	57.54	8.085		
6,477.15	6,407.89	6,616.06	6,567.78	30.14	30.14	-132.60	546.73	461.48	450.67	395.18	55.49	8.121		
6,500.00	6,430.52	6,656.91	6,604.75	30.24	30.26	-125.68	546.46	478.83	443.61	388.75	54.86	8.086		
6,550.00	6,480.31	6,757.97	6,691.78	30.46	30.54	-87.04	546.32	530.05	422.22	370.02	52.20	8.089		
6,600.00	6,530.22	6,837.66	6,754.55	30.66	30.74	-13.25	545.44	579.07	392.60	342.84	49.77	7.889		
6,650.00	6,579.93	6,894.74	6,796.21	30.85	30.90	19.03	544.91	618.07	358.24	309.74	48.50	7.386		
6,700.00	6,629.13	6,934.18	6,823.37	31.04	31.00	36.66	544.80	646.66	321.22	272.84	48.38	6.640		
6,750.00	6,677.53	6,964.79	6,843.51	31.23	31.10	51.48	544.91	669.71	283.21	234.13	49.08	5.770		
6,800.00	6,724.83	6,988.43	6,858.48	31.43	31.19	64.99	545.11	688.01	245.94	195.24	50.70	4.851		
6,850.00	6,770.73	7,005.40	6,868.80	31.63	31.26	76.17	545.25	701.47	211.57	158.04	53.53	3.953		
6,900.00	6,814.95	7,014.53	6,874.19	31.84	31.30	83.47	545.32	708.84	183.37	125.76	57.62	3.183		
6,950.00	6,857.22	7,017.84	6,876.12	32.06	31.32	87.13	545.35	711.53	165.57	103.99	61.58	2.689		
6,986.48	6,886.68	7,017.42	6,875.87	32.23	31.32	87.79	545.34	711.18	161.44	98.40	63.04	2.561 CC, ES, SF		
7,000.00	6,897.28	7,016.75	6,875.49	32.29	31.31	87.64	545.34	710.64	162.01	98.90	63.11	2.567		
7,050.00	6,934.88	7,012.28	6,872.88	32.54	31.29	85.43	545.31	707.02	173.55	112.19	61.36	2.828		
7,100.00	6,969.79	7,005.17	6,868.66	32.81	31.26	80.86	545.25	701.29	197.26	139.26	58.00	3.401		
7,150.00	7,001.79	6,995.96	6,863.10	33.11	31.22	74.39	545.18	693.94	228.98	174.15	54.83	4.176		
7,200.00	7,030.69	6,980.00	6,853.21	33.44	31.16	65.19	545.04	681.42	265.45	213.43	52.02	5.103		
7,250.00	7,056.31	6,972.26	6,848.30	33.81	31.13	58.29	544.97	675.44	304.29	253.22	51.08	5.958		
7,300.00	7,078.48	6,957.60	6,838.86	34.21	31.07	50.14	544.87	664.23	344.33	294.09	50.24	6.854		
7,350.00	7,097.08	6,941.57	6,828.31	34.65	31.02	42.84	544.81	652.16	384.60	334.73	49.87	7.711		
7,400.00	7,112.00	6,924.35	6,816.72	35.12	30.97	36.65	544.80	639.42	424.54	374.68	49.86	8.515		
7,450.00	7,123.12	6,906.09	6,804.17	35.64	30.92	31.55	544.85	626.17	463.73	413.64	50.09	9.258		
7,500.00	7,130.40	6,885.00	6,789.30	36.19	30.87	27.30	544.99	611.20	501.89	451.51	50.38	9.963		
7,550.00	7,133.78	6,867.35	6,776.57	36.77	30.82	24.07	545.15	598.97	538.77	487.70	51.07	10.549		
7,574.97	7,134.00	6,857.35	6,769.24	37.06	30.79	22.64	545.24	592.17	556.68	505.28	51.39	10.831		
7,600.00	7,133.73	6,847.39	6,761.85	37.37	30.77	22.28	545.34	585.50	574.56	522.83	51.73	11.107		
7,700.00	7,132.66	6,810.26	6,733.56	38.71	30.68	21.01	545.75	561.46	648.29	595.28	53.01	12.230		
7,800.00	7,131.59	6,790.00	6,717.65	40.20	30.63	20.36	546.00	548.92	725.45	670.78	54.67	13.269		
7,900.00	7,130.52	6,749.77	6,685.01	41.84	30.52	19.12	546.38	525.41	805.02	749.78	55.24	14.572		
8,000.00	7,129.45	6,724.82	6,664.08	43.60	30.45	18.39	546.47	511.85	887.21	831.03	56.18	15.793		
8,100.00	7,128.38	6,695.00	6,638.41	45.47	30.37	17.55	546.45	496.67	971.50	914.72	56.78	17.109		
8,200.00	7,127.31	6,695.00	6,638.41	47.44	30.37	17.55	546.45	496.67	1,057.57	999.61	57.96	18.247		
8,300.00	7,126.24	6,661.67	6,609.00	49.49	30.27	16.68	546.44	480.97	1,144.72	1,086.49	58.23	19.660		
8,400.00	7,125.17	6,643.65	6,592.85	51.61	30.22	16.24	546.53	473.00	1,233.29	1,174.56	58.73	21.000		
8,500.00	7,124.10	6,627.16	6,577.91	53.81	30.17	15.86	546.67	466.03	1,322.91	1,263.74	59.17	22.358		
8,600.00	7,123.03	6,600.00	6,553.00	56.06	30.09	15.28	547.01	455.22	1,413.60	1,354.20	59.39	23.801		
8,700.00	7,121.96	6,600.00	6,553.00	58.36	30.09	15.28	547.01	455.22	1,504.80	1,444.88	59.93	25.111		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,120.89	6,600.00	6,553.00	60.71	30.09	15.28	547.01	455.22	1,597.07	1,536.70	60.37	26.455		
8,900.00	7,119.82	6,568.80	6,523.98	63.10	29.99	14.64	547.34	443.76	1,689.43	1,629.00	60.44	27.954		
9,000.00	7,118.75	6,555.82	6,511.80	65.53	29.95	14.39	547.39	439.27	1,782.57	1,721.90	60.67	29.383		
9,100.00	7,117.68	6,543.72	6,500.39	67.98	29.91	14.15	547.39	435.24	1,876.18	1,815.30	60.88	30.820		
9,200.00	7,116.61	6,505.00	6,463.56	70.47	29.78	13.41	547.07	423.31	1,970.78	1,909.93	60.85	32.386		
9,300.00	7,115.54	6,505.00	6,463.56	72.98	29.78	13.41	547.07	423.31	2,064.85	2,003.73	61.12	33.782		
9,400.00	7,114.47	6,505.00	6,463.56	75.52	29.78	13.41	547.07	423.31	2,159.45	2,098.09	61.36	35.193		
9,500.00	7,113.40	6,505.00	6,463.56	78.08	29.78	13.41	547.07	423.31	2,254.51	2,192.95	61.57	36.618		
9,600.00	7,112.33	6,505.00	6,463.56	80.65	29.78	13.41	547.07	423.31	2,349.99	2,288.24	61.75	38.055		
9,700.00	7,111.26	6,505.00	6,463.56	83.25	29.78	13.41	547.07	423.31	2,445.83	2,383.91	61.92	39.501		
9,800.00	7,110.19	6,505.00	6,463.56	85.86	29.78	13.41	547.07	423.31	2,541.98	2,479.92	62.07	40.956		
9,900.00	7,109.12	6,505.00	6,463.56	88.48	29.78	13.41	547.07	423.31	2,638.43	2,576.23	62.20	42.418		
10,000.00	7,108.04	6,505.00	6,463.56	91.12	29.78	13.41	547.07	423.31	2,735.13	2,672.80	62.32	43.886		
10,100.00	7,106.97	6,505.00	6,463.56	93.77	29.78	13.41	547.07	423.31	2,832.06	2,769.62	62.44	45.359		
10,200.00	7,105.90	6,505.00	6,463.56	96.43	29.78	13.41	547.07	423.31	2,929.19	2,866.65	62.54	46.836		
10,300.00	7,104.83	6,464.83	6,424.74	99.10	29.64	12.68	546.57	413.04	3,024.87	2,962.36	62.51	48.390		
10,400.00	7,103.76	6,461.15	6,421.14	101.78	29.63	12.62	546.54	412.23	3,122.05	3,059.45	62.60	49.874		
10,500.00	7,102.69	6,457.66	6,417.73	104.47	29.62	12.56	546.50	411.49	3,219.39	3,156.70	62.68	51.360		
10,600.00	7,101.62	6,454.34	6,414.49	107.16	29.60	12.51	546.47	410.80	3,316.85	3,254.09	62.76	52.846		
10,700.00	7,100.55	6,451.18	6,411.39	109.87	29.59	12.45	546.44	410.16	3,414.45	3,351.61	62.84	54.334		
10,800.00	7,099.48	6,410.00	6,370.79	112.58	29.45	11.80	546.13	403.36	3,513.61	3,450.79	62.83	55.926		
10,900.00	7,098.41	6,410.00	6,370.79	115.29	29.45	11.80	546.13	403.36	3,611.22	3,548.31	62.91	57.402		
11,000.00	7,097.34	6,410.00	6,370.79	118.02	29.45	11.80	546.13	403.36	3,708.95	3,645.96	62.99	58.879		
11,100.00	7,096.27	6,410.00	6,370.79	120.74	29.45	11.80	546.13	403.36	3,806.80	3,743.73	63.07	60.357		
11,200.00	7,095.20	6,410.00	6,370.79	123.48	29.45	11.80	546.13	403.36	3,904.76	3,841.62	63.15	61.836		
11,300.00	7,094.13	6,410.00	6,370.79	126.22	29.45	11.80	546.13	403.36	4,002.82	3,939.60	63.22	63.315		
11,400.00	7,093.06	6,410.00	6,370.79	128.96	29.45	11.80	546.13	403.36	4,100.98	4,037.69	63.29	64.795		
11,500.00	7,091.99	6,410.00	6,370.79	131.71	29.45	11.80	546.13	403.36	4,199.22	4,135.86	63.36	66.274		
11,600.00	7,090.92	6,410.00	6,370.79	134.46	29.45	11.80	546.13	403.36	4,297.54	4,234.11	63.43	67.752		
11,700.00	7,089.85	6,410.00	6,370.79	137.21	29.45	11.80	546.13	403.36	4,395.94	4,332.44	63.50	69.230		
11,800.00	7,088.78	6,410.00	6,370.79	139.97	29.45	11.80	546.13	403.36	4,494.41	4,430.84	63.56	70.706		
11,900.00	7,087.71	6,410.00	6,370.79	142.73	29.45	11.80	546.13	403.36	4,592.94	4,529.31	63.63	72.182		
12,000.00	7,086.64	6,410.00	6,370.79	145.50	29.45	11.80	546.13	403.36	4,691.54	4,627.85	63.69	73.656		
12,100.00	7,085.57	6,410.00	6,370.79	148.26	29.45	11.80	546.13	403.36	4,790.20	4,726.44	63.76	75.129		
12,200.00	7,084.50	6,410.00	6,370.79	151.03	29.45	11.80	546.13	403.36	4,888.91	4,825.08	63.82	76.600		
12,300.00	7,083.43	6,410.00	6,370.79	153.81	29.45	11.80	546.13	403.36	4,987.67	4,923.78	63.89	78.069		
12,400.00	7,082.36	6,410.00	6,370.79	156.58	29.45	11.80	546.13	403.36	5,086.48	5,022.53	63.95	79.537		
12,500.00	7,081.29	6,410.00	6,370.79	159.36	29.45	11.80	546.13	403.36	5,185.33	5,121.32	64.01	81.002		
12,600.00	7,080.22	6,410.00	6,370.79	162.14	29.45	11.80	546.13	403.36	5,284.23	5,220.15	64.08	82.465		
12,700.00	7,079.15	6,410.00	6,370.79	164.92	29.45	11.80	546.13	403.36	5,383.17	5,319.03	64.14	83.925		
12,800.00	7,078.08	6,410.00	6,370.79	167.71	29.45	11.80	546.13	403.36	5,482.15	5,417.94	64.21	85.383		
12,900.00	7,077.01	6,410.00	6,370.79	170.49	29.45	11.80	546.13	403.36	5,581.16	5,516.89	64.27	86.839		
13,000.00	7,075.93	6,410.00	6,370.79	173.28	29.45	11.80	546.13	403.36	5,680.21	5,615.88	64.33	88.291		
13,100.00	7,074.86	6,410.00	6,370.79	176.07	29.45	11.80	546.13	403.36	5,779.29	5,714.89	64.40	89.741		
13,200.00	7,073.79	6,410.00	6,370.79	178.86	29.45	11.80	546.13	403.36	5,878.41	5,813.94	64.46	91.188		
13,300.00	7,072.72	6,410.00	6,370.79	181.65	29.45	11.80	546.13	403.36	5,977.55	5,913.02	64.53	92.632		
13,400.00	7,071.65	6,410.00	6,370.79	184.45	29.45	11.80	546.13	403.36	6,076.72	6,012.12	64.60	94.073		
13,500.00	7,070.58	6,410.00	6,370.79	187.25	29.45	11.80	546.13	403.36	6,175.91	6,111.25	64.66	95.511		
13,600.00	7,069.51	6,410.00	6,370.79	190.04	29.45	11.80	546.13	403.36	6,275.14	6,210.41	64.73	96.945		
13,700.00	7,068.44	6,410.00	6,370.79	192.84	29.45	11.80	546.13	403.36	6,374.38	6,309.59	64.80	98.376		
13,800.00	7,067.37	6,410.00	6,370.79	195.64	29.45	11.80	546.13	403.36	6,473.65	6,408.79	64.86	99.804		
13,900.00	7,066.30	6,410.00	6,370.79	198.44	29.45	11.80	546.13	403.36	6,572.95	6,508.01	64.93	101.228		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boomerang 21-5 - SRC Wiedeman #21-5-3NBHZ - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 165-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,000.00	7,065.23	6,410.00	6,370.79	201.24	29.45	11.80	546.13	403.36	6,672.26	6,607.26	65.00	102.649	
14,100.00	7,064.16	6,410.00	6,370.79	204.05	29.45	11.80	546.13	403.36	6,771.59	6,706.52	65.07	104.066	
14,200.00	7,063.09	6,410.00	6,370.79	206.85	29.45	11.80	546.13	403.36	6,870.95	6,805.81	65.14	105.479	
14,300.00	7,062.02	6,410.00	6,370.79	209.66	29.45	11.80	546.13	403.36	6,970.32	6,905.11	65.21	106.888	
14,400.00	7,060.95	6,410.00	6,370.79	212.46	29.45	11.80	546.13	403.36	7,069.71	7,004.42	65.28	108.294	
14,500.00	7,059.88	6,410.00	6,370.79	215.27	29.45	11.80	546.13	403.36	7,169.11	7,103.76	65.35	109.696	
14,600.00	7,058.81	6,410.00	6,370.79	218.08	29.45	11.80	546.13	403.36	7,268.53	7,203.11	65.43	111.094	
14,700.00	7,057.74	6,410.00	6,370.79	220.89	29.45	11.80	546.13	403.36	7,367.97	7,302.47	65.50	112.488	
14,800.00	7,056.67	6,410.00	6,370.79	223.70	29.45	11.80	546.13	403.36	7,467.43	7,401.85	65.57	113.878	
14,900.00	7,055.60	6,410.00	6,370.79	226.51	29.45	11.80	546.13	403.36	7,566.89	7,501.24	65.65	115.264	
15,000.00	7,054.53	6,410.00	6,370.79	229.32	29.45	11.80	546.13	403.36	7,666.37	7,600.65	65.72	116.645	
15,100.00	7,053.46	6,410.00	6,370.79	232.14	29.45	11.80	546.13	403.36	7,765.87	7,700.07	65.80	118.023	
15,200.00	7,052.39	6,410.00	6,370.79	234.95	29.45	11.80	546.13	403.36	7,865.38	7,799.50	65.88	119.396	
15,300.00	7,051.32	6,410.00	6,370.79	237.76	29.45	11.80	546.13	403.36	7,964.90	7,898.94	65.95	120.765	
15,400.00	7,050.25	6,410.00	6,370.79	240.58	29.45	11.80	546.13	403.36	8,064.43	7,998.40	66.03	122.130	
15,500.00	7,049.18	6,410.00	6,370.79	243.39	29.45	11.80	546.13	403.36	8,163.97	8,097.86	66.11	123.491	
15,600.00	7,048.11	6,367.56	6,328.60	246.21	29.29	11.19	545.89	398.77	8,262.47	8,196.31	66.17	124.876	
15,703.32	7,047.00	6,366.54	6,327.58	249.12	29.28	11.18	545.88	398.68	8,365.29	8,299.04	66.25	126.274	
15,703.90	7,046.99	6,366.53	6,327.58	249.13	29.28	11.18	545.88	398.68	8,365.87	8,299.62	66.25	126.281	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	97.37	-65.56	506.64	510.91					
100.00	100.00	100.52	100.51	3.28	3.30	97.44	-66.00	505.66	510.01	503.42	6.59	77.441		
200.00	200.00	204.78	204.74	3.34	3.38	97.60	-67.15	503.50	508.09	501.37	6.72	75.596		
300.00	300.00	303.51	303.42	3.44	3.51	97.83	-68.89	500.93	505.76	498.80	6.96	72.679		
400.00	399.98	395.45	395.31	3.60	3.68	31.63	-71.56	499.26	502.88	495.61	7.28	69.111		
500.00	499.84	488.88	488.67	3.80	3.88	32.39	-75.22	498.99	498.74	491.06	7.68	64.945		
600.00	599.45	585.30	584.96	4.05	4.12	33.54	-80.11	499.36	492.64	484.47	8.16	60.345		
700.00	698.70	695.23	694.59	4.32	4.44	35.48	-88.12	498.73	483.42	474.67	8.76	55.191		
740.00	738.27	739.63	738.80	4.45	4.59	36.48	-91.98	497.38	478.23	469.20	9.02	52.993		
800.00	797.57	804.55	803.26	4.63	4.81	38.14	-99.02	494.26	469.61	460.18	9.43	49.799		
900.00	896.39	894.90	892.68	4.96	5.15	40.82	-110.97	489.31	456.03	445.94	10.09	45.198		
1,000.00	995.21	987.41	983.94	5.32	5.53	43.95	-125.30	484.55	444.77	433.95	10.81	41.127		
1,100.00	1,094.03	1,085.88	1,080.85	5.69	5.96	47.61	-141.91	479.06	435.25	423.63	11.61	37.482		
1,200.00	1,192.86	1,174.55	1,168.04	6.07	6.38	51.06	-157.26	474.32	427.99	415.59	12.40	34.508		
1,300.00	1,291.68	1,264.74	1,256.70	6.47	6.81	54.64	-173.46	470.64	424.11	410.89	13.22	32.080		
1,372.71	1,363.54	1,330.89	1,321.59	6.77	7.14	57.35	-186.03	468.31	423.31	409.48	13.82	30.622 CC		
1,400.00	1,390.50	1,356.11	1,346.36	6.88	7.27	58.36	-190.74	467.61	423.41	409.36	14.05	30.131 ES		
1,500.00	1,489.33	1,457.87	1,446.58	7.29	7.77	62.19	-208.26	465.71	424.89	409.96	14.93	28.463		
1,600.00	1,588.15	1,563.34	1,551.02	7.71	8.28	65.79	-222.83	463.64	425.82	410.01	15.81	26.933		
1,700.00	1,686.97	1,661.08	1,647.89	8.14	8.75	69.09	-235.49	460.97	427.14	410.48	16.65	25.650		
1,800.00	1,785.79	1,763.27	1,749.08	8.57	9.25	72.67	-249.17	458.83	429.43	411.90	17.53	24.501		
1,900.00	1,884.62	1,853.14	1,837.87	9.01	9.70	75.98	-262.10	451.99	433.33	414.99	18.34	23.627		
2,000.00	1,983.44	1,950.19	1,933.74	9.45	10.20	79.45	-276.50	447.40	439.68	420.49	19.19	22.911		
2,100.00	2,082.26	2,037.58	2,019.76	9.89	10.67	82.70	-290.89	441.98	448.37	428.39	19.98	22.444		
2,200.00	2,181.09	2,132.08	2,112.74	10.33	11.18	85.98	-307.14	437.49	460.06	439.26	20.80	22.119		
2,300.00	2,279.91	2,221.86	2,201.14	10.78	11.67	88.84	-322.48	434.26	473.66	452.08	21.58	21.954		
2,400.00	2,378.73	2,305.36	2,283.02	11.23	12.15	91.45	-338.48	431.10	490.42	468.13	22.29	22.005		
2,500.00	2,477.55	2,398.56	2,374.05	11.68	12.69	94.23	-358.21	427.77	510.36	487.28	23.08	22.114		
2,600.00	2,576.38	2,493.13	2,466.64	12.13	13.24	96.69	-377.37	425.66	530.94	507.05	23.89	22.228		
2,700.00	2,675.20	2,591.38	2,562.58	12.59	13.82	99.30	-398.02	421.22	552.73	528.00	24.73	22.346		
2,800.00	2,774.02	2,680.62	2,649.52	13.04	14.37	101.79	-416.91	414.28	575.21	549.72	25.49	22.565		
2,900.00	2,872.85	2,785.17	2,751.29	13.50	15.01	104.49	-439.51	406.32	599.31	572.90	26.41	22.689		
3,000.00	2,971.67	2,894.09	2,857.96	13.96	15.65	107.01	-459.95	398.30	621.61	594.24	27.37	22.709		
3,100.00	3,070.49	2,994.55	2,956.77	14.41	16.22	109.00	-477.21	392.72	643.31	615.07	28.25	22.776		
3,200.00	3,169.31	3,103.33	3,064.07	14.87	16.82	110.88	-494.50	387.96	664.43	635.24	29.19	22.761		
3,300.00	3,268.14	3,213.31	3,172.99	15.33	17.39	112.51	-509.34	385.03	683.66	653.53	30.14	22.685		
3,400.00	3,366.96	3,299.70	3,258.53	15.79	17.84	113.79	-521.00	381.84	703.38	672.49	30.89	22.769		
3,500.00	3,465.78	3,379.95	3,337.72	16.25	18.28	115.01	-533.29	377.68	725.36	693.77	31.59	22.964		
3,600.00	3,564.61	3,474.28	3,430.63	16.72	18.81	116.35	-548.88	372.97	748.93	716.51	32.42	23.103		
3,700.00	3,663.43	3,576.83	3,531.74	17.18	19.38	117.65	-565.55	368.84	772.52	739.19	33.33	23.178		
3,800.00	3,762.25	3,675.18	3,628.77	17.64	19.92	118.88	-580.86	364.06	795.86	761.66	34.20	23.269		
3,900.00	3,861.07	3,753.80	3,706.19	18.10	20.36	119.85	-593.84	359.77	820.49	785.61	34.89	23.520		
4,000.00	3,959.90	3,840.33	3,791.18	18.57	20.86	120.84	-609.40	355.06	846.86	811.21	35.65	23.757		
4,100.00	4,058.72	3,927.93	3,877.07	19.03	21.38	121.78	-625.94	350.22	874.37	837.95	36.42	24.008		
4,200.00	4,157.54	4,024.27	3,971.44	19.50	21.96	122.74	-644.61	345.08	902.58	865.28	37.29	24.201		
4,300.00	4,256.37	4,115.78	4,061.10	19.96	22.51	123.59	-662.24	340.28	930.87	892.76	38.12	24.421		
4,400.00	4,355.19	4,221.16	4,164.37	20.43	23.13	124.51	-682.52	334.76	959.36	920.26	39.10	24.537		
4,500.00	4,454.01	4,296.53	4,238.24	20.89	23.59	125.13	-696.95	330.92	987.96	948.21	39.75	24.857		
4,600.00	4,552.83	4,390.12	4,329.57	21.36	24.16	125.91	-716.52	324.99	1,018.59	977.99	40.60	25.088		
4,700.00	4,651.66	4,482.65	4,420.06	21.82	24.74	126.62	-735.09	319.56	1,048.49	1,007.04	41.45	25.297		
4,800.00	4,750.48	4,595.42	4,530.24	22.29	25.42	127.48	-757.81	311.93	1,078.97	1,036.44	42.53	25.373		
4,900.00	4,849.30	4,684.68	4,617.77	22.76	25.96	128.13	-774.40	306.29	1,107.92	1,064.59	43.34	25.566		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,948.13	4,820.27	4,750.83	23.22	26.76	129.13	-798.50	296.56	1,136.75	1,092.12	44.64	25.468		
5,100.00	5,046.95	4,878.41	4,807.92	23.69	27.10	129.52	-808.81	292.65	1,165.09	1,119.96	45.13	25.819		
5,200.00	5,145.77	4,979.51	4,906.94	24.16	27.71	130.12	-828.27	286.59	1,194.97	1,148.90	46.07	25.937		
5,300.00	5,244.59	5,087.34	5,012.84	24.62	28.34	130.70	-847.84	281.15	1,223.61	1,176.52	47.09	25.986		
5,400.00	5,343.42	5,181.20	5,105.08	25.09	28.89	131.16	-864.66	276.93	1,251.96	1,204.00	47.96	26.107		
5,500.00	5,442.24	5,278.62	5,200.82	25.56	29.46	131.61	-882.14	272.57	1,280.39	1,231.53	48.86	26.204		
5,600.00	5,541.06	5,366.70	5,287.35	26.03	29.98	132.00	-898.14	268.76	1,309.06	1,259.39	49.67	26.354		
5,700.00	5,639.89	5,500.44	5,418.84	26.50	30.74	132.46	-922.28	265.33	1,337.24	1,286.29	50.94	26.249		
5,800.00	5,738.71	5,680.47	5,597.29	26.96	31.67	133.09	-945.74	262.80	1,360.13	1,307.61	52.52	25.900		
5,900.00	5,837.53	5,863.35	5,779.73	27.43	32.46	133.89	-957.57	259.93	1,377.16	1,323.28	53.88	25.559		
6,000.00	5,936.35	5,995.42	5,911.75	27.90	32.95	134.56	-959.71	257.41	1,390.01	1,335.13	54.88	25.330		
6,100.00	6,035.18	6,093.55	6,009.84	28.37	33.29	135.10	-959.87	254.81	1,402.00	1,346.27	55.73	25.156		
6,200.00	6,134.00	6,206.01	6,122.28	28.84	33.68	135.70	-960.11	252.02	1,414.15	1,357.51	56.63	24.971		
6,300.00	6,232.82	6,317.47	6,233.72	29.31	34.04	136.24	-959.29	250.78	1,424.95	1,367.43	57.52	24.775		
6,400.00	6,331.64	6,446.84	6,363.07	29.77	34.44	136.79	-957.41	251.53	1,434.55	1,376.13	58.42	24.556		
6,477.15	6,407.89	6,477.15	6,494.69	30.14	34.53	137.22	-952.88	256.83	1,439.47	1,380.73	58.74	24.504		
6,500.00	6,430.52	6,639.94	6,555.63	30.24	34.97	143.57	-950.01	261.94	1,440.17	1,380.88	59.29	24.291		
6,550.00	6,480.31	6,689.71	6,604.88	30.46	35.11	178.74	-948.06	268.78	1,439.59	1,379.91	59.69	24.118		
6,600.00	6,530.22	6,783.81	6,696.42	30.66	35.35	-114.07	-946.83	290.02	1,436.88	1,376.86	60.01	23.942		
6,650.00	6,579.93	6,841.40	6,750.24	30.85	35.50	-90.81	-947.87	310.44	1,431.37	1,370.99	60.38	23.704		
6,700.00	6,629.13	6,882.99	6,788.05	31.04	35.60	-83.90	-949.66	327.67	1,424.71	1,363.93	60.78	23.440		
6,750.00	6,677.53	7,201.45	7,037.12	31.23	36.16	-90.92	-957.44	519.89	1,414.27	1,353.85	60.42	23.408		
6,800.00	6,724.83	7,219.21	7,047.59	31.43	36.17	-90.49	-957.73	534.23	1,401.37	1,340.25	61.12	22.928		
6,850.00	6,770.73	7,231.64	7,054.84	31.63	36.19	-90.60	-957.95	544.32	1,389.44	1,327.65	61.79	22.487		
6,900.00	6,814.95	7,239.10	7,059.16	31.84	36.20	-90.86	-958.08	550.40	1,378.70	1,316.28	62.42	22.088		
6,950.00	6,857.22	7,241.95	7,060.80	32.06	36.20	-91.08	-958.14	552.73	1,369.29	1,306.28	63.00	21.733		
7,000.00	6,897.28	7,240.54	7,059.99	32.29	36.20	-91.17	-958.11	551.58	1,361.34	1,297.79	63.54	21.424		
7,050.00	6,934.88	7,235.21	7,056.91	32.54	36.19	-91.09	-958.01	547.23	1,354.90	1,290.87	64.03	21.160		
7,100.00	6,969.79	7,226.30	7,051.73	32.81	36.18	-90.81	-957.86	539.98	1,350.00	1,285.53	64.48	20.938		
7,150.00	7,001.79	7,214.10	7,044.59	33.11	36.17	-90.34	-957.65	530.10	1,346.61	1,281.73	64.88	20.756		
7,200.00	7,030.69	7,198.92	7,035.62	33.44	36.16	-89.68	-957.40	517.85	1,344.67	1,279.42	65.25	20.608		
7,246.85	7,054.79	7,184.00	7,026.71	33.78	36.14	-88.97	-957.16	505.89	1,344.08	1,278.50	65.59	20.493		
7,250.00	7,056.31	7,184.00	7,026.71	33.81	36.14	-88.96	-957.16	505.89	1,344.09	1,278.47	65.62	20.484		
7,300.00	7,078.48	7,165.35	7,015.21	34.21	36.12	-88.04	-956.91	491.21	1,344.77	1,278.78	65.99	20.378		
7,350.00	7,097.08	7,149.00	7,004.63	34.65	36.10	-87.15	-956.74	478.74	1,346.67	1,280.28	66.39	20.283		
7,400.00	7,112.00	7,132.47	6,993.50	35.12	36.08	-86.19	-956.62	466.53	1,349.70	1,282.88	66.82	20.200		
7,450.00	7,123.12	7,115.80	6,981.82	35.64	36.06	-85.17	-956.55	454.63	1,353.75	1,286.48	67.27	20.124		
7,500.00	7,130.40	7,089.00	6,962.15	36.19	36.03	-83.76	-956.54	436.43	1,358.81	1,291.13	67.68	20.078		
7,550.00	7,133.78	7,076.47	6,952.62	36.77	36.01	-82.81	-956.54	428.31	1,364.54	1,296.32	68.22	20.001		
7,574.97	7,134.00	7,061.42	6,940.90	37.06	35.98	-82.04	-956.46	418.85	1,367.62	1,299.18	68.44	19.982		
7,600.00	7,133.73	7,047.02	6,929.45	37.37	35.95	-81.56	-956.31	410.12	1,370.90	1,302.23	68.67	19.963		
7,700.00	7,132.66	7,000.62	6,891.02	38.71	35.88	-79.96	-955.29	384.17	1,387.07	1,317.33	69.74	19.890 SF		
7,800.00	7,131.59	6,943.02	6,841.14	40.20	35.74	-77.89	-953.00	355.47	1,408.27	1,337.53	70.74	19.907		
7,900.00	7,130.52	6,899.00	6,802.34	41.84	35.64	-76.29	-950.58	334.82	1,434.30	1,362.42	71.88	19.955		
8,000.00	7,129.45	6,899.00	6,802.34	43.60	35.64	-76.29	-950.58	334.82	1,466.10	1,392.66	73.44	19.962		
8,100.00	7,128.38	6,860.93	6,768.11	45.47	35.55	-74.89	-948.60	318.28	1,502.64	1,428.06	74.58	20.148		
8,200.00	7,127.31	6,845.43	6,753.94	47.44	35.51	-74.32	-948.00	312.02	1,544.72	1,468.85	75.86	20.362		
8,300.00	7,126.24	6,831.17	6,740.80	49.49	35.47	-73.79	-947.57	306.50	1,591.59	1,514.53	77.07	20.652		
8,400.00	7,125.17	6,803.00	6,714.55	51.61	35.40	-72.75	-947.01	296.31	1,643.11	1,565.06	78.05	21.053		
8,500.00	7,124.10	6,803.00	6,714.55	53.81	35.40	-72.75	-947.01	296.31	1,698.29	1,619.12	79.17	21.451		
8,600.00	7,123.03	6,803.00	6,714.55	56.06	35.40	-72.75	-947.01	296.31	1,757.43	1,677.26	80.17	21.920		
8,700.00	7,121.96	6,803.00	6,714.55	58.36	35.40	-72.75	-947.01	296.31	1,820.15	1,739.09	81.06	22.454		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,120.89	6,803.00	6,714.55	60.71	35.40	-72.75	-947.01	296.31	1,886.09	1,804.24	81.85	23.045		
8,900.00	7,119.82	6,803.00	6,714.55	63.10	35.40	-72.75	-947.01	296.31	1,954.92	1,872.39	82.53	23.687		
9,000.00	7,118.75	6,765.48	6,678.90	65.53	35.30	-71.36	-946.81	284.64	2,024.79	1,941.86	82.92	24.418		
9,100.00	7,117.68	6,759.33	6,672.98	67.98	35.29	-71.13	-946.82	282.97	2,097.99	2,014.56	83.43	25.146		
9,200.00	7,116.61	6,753.65	6,667.50	70.47	35.27	-70.92	-946.86	281.49	2,173.25	2,089.37	83.88	25.909		
9,300.00	7,115.54	6,748.37	6,662.39	72.98	35.26	-70.72	-946.90	280.17	2,250.38	2,166.10	84.28	26.703		
9,400.00	7,114.47	6,708.00	6,622.92	75.52	35.15	-69.23	-947.56	271.77	2,330.60	2,246.16	84.44	27.601		
9,500.00	7,113.40	6,708.00	6,622.92	78.08	35.15	-69.23	-947.56	271.77	2,410.60	2,325.82	84.78	28.434		
9,600.00	7,112.33	6,708.00	6,622.92	80.65	35.15	-69.23	-947.56	271.77	2,492.04	2,406.96	85.07	29.292		
9,700.00	7,111.26	6,708.00	6,622.92	83.25	35.15	-69.23	-947.56	271.77	2,574.79	2,489.45	85.33	30.174		
9,800.00	7,110.19	6,708.00	6,622.92	85.86	35.15	-69.23	-947.56	271.77	2,658.72	2,573.16	85.56	31.075		
9,900.00	7,109.12	6,708.00	6,622.92	88.48	35.15	-69.23	-947.56	271.77	2,743.73	2,657.98	85.76	31.995		
10,000.00	7,108.04	6,708.00	6,622.92	91.12	35.15	-69.23	-947.56	271.77	2,829.73	2,743.80	85.93	32.931		
10,100.00	7,106.97	6,708.00	6,622.92	93.77	35.15	-69.23	-947.56	271.77	2,916.61	2,830.53	86.08	33.882		
10,200.00	7,105.90	6,708.00	6,622.92	96.43	35.15	-69.23	-947.56	271.77	3,004.31	2,918.10	86.21	34.847		
10,300.00	7,104.83	6,708.00	6,622.92	99.10	35.15	-69.23	-947.56	271.77	3,092.76	3,006.43	86.33	35.825		
10,400.00	7,103.76	6,708.00	6,622.92	101.78	35.15	-69.23	-947.56	271.77	3,181.89	3,095.46	86.43	36.813		
10,500.00	7,102.69	6,708.00	6,622.92	104.47	35.15	-69.23	-947.56	271.77	3,271.65	3,185.13	86.52	37.812		
10,600.00	7,101.62	6,708.00	6,622.92	107.16	35.15	-69.23	-947.56	271.77	3,361.99	3,275.39	86.61	38.820		
10,700.00	7,100.55	6,708.00	6,622.92	109.87	35.15	-69.23	-947.56	271.77	3,452.86	3,366.19	86.68	39.836		
10,800.00	7,099.48	6,708.00	6,622.92	112.58	35.15	-69.23	-947.56	271.77	3,544.23	3,457.49	86.74	40.860		
10,900.00	7,098.41	6,708.00	6,622.92	115.29	35.15	-69.23	-947.56	271.77	3,636.05	3,549.25	86.80	41.891		
11,000.00	7,097.34	6,708.00	6,622.92	118.02	35.15	-69.23	-947.56	271.77	3,728.28	3,641.43	86.85	42.928		
11,100.00	7,096.27	6,708.00	6,622.92	120.74	35.15	-69.23	-947.56	271.77	3,820.91	3,734.02	86.90	43.971		
11,200.00	7,095.20	6,708.00	6,622.92	123.48	35.15	-69.23	-947.56	271.77	3,913.90	3,826.97	86.94	45.020		
11,300.00	7,094.13	6,671.25	6,586.63	126.22	35.06	-67.89	-948.68	266.02	4,006.50	3,919.58	86.92	46.092		
11,400.00	7,093.06	6,667.76	6,583.18	128.96	35.05	-67.77	-948.81	265.53	4,100.01	4,013.05	86.96	47.149		
11,500.00	7,091.99	6,664.39	6,579.85	131.71	35.04	-67.64	-948.94	265.07	4,193.80	4,106.81	86.99	48.210		
11,600.00	7,090.92	6,661.13	6,576.62	134.46	35.03	-67.53	-949.07	264.62	4,287.86	4,200.84	87.02	49.275		
11,700.00	7,089.85	6,657.98	6,573.50	137.21	35.02	-67.42	-949.20	264.20	4,382.17	4,295.12	87.05	50.343		
11,800.00	7,088.78	6,654.92	6,570.47	139.97	35.01	-67.31	-949.33	263.80	4,476.72	4,389.64	87.07	51.413		
11,900.00	7,087.71	6,651.96	6,567.54	142.73	35.01	-67.20	-949.46	263.42	4,571.49	4,484.39	87.10	52.486		
12,000.00	7,086.64	6,649.10	6,564.70	145.50	35.00	-67.10	-949.58	263.06	4,666.47	4,579.35	87.12	53.561		
12,100.00	7,085.57	6,613.00	6,528.88	148.26	34.90	-65.83	-951.42	259.03	4,762.23	4,675.10	87.12	54.661		
12,200.00	7,084.50	6,613.00	6,528.88	151.03	34.90	-65.83	-951.42	259.03	4,857.50	4,770.35	87.15	55.736		
12,300.00	7,083.43	6,613.00	6,528.88	153.81	34.90	-65.83	-951.42	259.03	4,952.96	4,865.78	87.18	56.814		
12,400.00	7,082.36	6,613.00	6,528.88	156.58	34.90	-65.83	-951.42	259.03	5,048.59	4,961.39	87.20	57.894		
12,500.00	7,081.29	6,613.00	6,528.88	159.36	34.90	-65.83	-951.42	259.03	5,144.40	5,057.17	87.23	58.975		
12,600.00	7,080.22	6,613.00	6,528.88	162.14	34.90	-65.83	-951.42	259.03	5,240.35	5,153.10	87.25	60.058		
12,700.00	7,079.15	6,613.00	6,528.88	164.92	34.90	-65.83	-951.42	259.03	5,336.46	5,249.18	87.28	61.142		
12,800.00	7,078.08	6,613.00	6,528.88	167.71	34.90	-65.83	-951.42	259.03	5,432.71	5,345.40	87.30	62.227		
12,900.00	7,077.01	6,613.00	6,528.88	170.49	34.90	-65.83	-951.42	259.03	5,529.09	5,441.76	87.33	63.313		
13,000.00	7,075.93	6,613.00	6,528.88	173.28	34.90	-65.83	-951.42	259.03	5,625.59	5,538.24	87.35	64.400		
13,100.00	7,074.86	6,613.00	6,528.88	176.07	34.90	-65.83	-951.42	259.03	5,722.22	5,634.84	87.38	65.487		
13,200.00	7,073.79	6,613.00	6,528.88	178.86	34.90	-65.83	-951.42	259.03	5,818.96	5,731.56	87.40	66.575		
13,300.00	7,072.72	6,613.00	6,528.88	181.65	34.90	-65.83	-951.42	259.03	5,915.81	5,828.38	87.43	67.663		
13,400.00	7,071.65	6,613.00	6,528.88	184.45	34.90	-65.83	-951.42	259.03	6,012.76	5,925.31	87.46	68.752		
13,500.00	7,070.58	6,613.00	6,528.88	187.25	34.90	-65.83	-951.42	259.03	6,109.81	6,022.33	87.48	69.841		
13,600.00	7,069.51	6,613.00	6,528.88	190.04	34.90	-65.83	-951.42	259.03	6,206.96	6,119.45	87.51	70.930		
13,700.00	7,068.44	6,613.00	6,528.88	192.84	34.90	-65.83	-951.42	259.03	6,304.19	6,216.66	87.54	72.018		
13,800.00	7,067.37	6,613.00	6,528.88	195.64	34.90	-65.83	-951.42	259.03	6,401.51	6,313.95	87.56	73.107		
13,900.00	7,066.30	6,613.00	6,528.88	198.44	34.90	-65.83	-951.42	259.03	6,498.91	6,411.32	87.59	74.195		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 39-MWVD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,000.00	7,065.23	6,613.00	6,528.88	201.24	34.90	-65.83	-951.42	259.03	6,596.39	6,508.77	87.62	75.284	
14,100.00	7,064.16	6,613.00	6,528.88	204.05	34.90	-65.83	-951.42	259.03	6,693.94	6,606.29	87.65	76.371	
14,200.00	7,063.09	6,613.00	6,528.88	206.85	34.90	-65.83	-951.42	259.03	6,791.56	6,703.88	87.68	77.459	
14,300.00	7,062.02	6,613.00	6,528.88	209.66	34.90	-65.83	-951.42	259.03	6,889.25	6,801.54	87.71	78.545	
14,400.00	7,060.95	6,613.00	6,528.88	212.46	34.90	-65.83	-951.42	259.03	6,987.01	6,899.27	87.74	79.631	
14,500.00	7,059.88	6,613.00	6,528.88	215.27	34.90	-65.83	-951.42	259.03	7,084.83	6,997.06	87.77	80.717	
14,600.00	7,058.81	6,613.00	6,528.88	218.08	34.90	-65.83	-951.42	259.03	7,182.71	7,094.90	87.81	81.802	
14,700.00	7,057.74	6,613.00	6,528.88	220.89	34.90	-65.83	-951.42	259.03	7,280.65	7,192.81	87.84	82.885	
14,800.00	7,056.67	6,613.00	6,528.88	223.70	34.90	-65.83	-951.42	259.03	7,378.64	7,290.77	87.87	83.968	
14,900.00	7,055.60	6,613.00	6,528.88	226.51	34.90	-65.83	-951.42	259.03	7,476.69	7,388.78	87.91	85.051	
15,000.00	7,054.53	6,613.00	6,528.88	229.32	34.90	-65.83	-951.42	259.03	7,574.78	7,486.84	87.94	86.132	
15,100.00	7,053.46	6,613.00	6,528.88	232.14	34.90	-65.83	-951.42	259.03	7,672.93	7,584.95	87.98	87.212	
15,200.00	7,052.39	6,613.00	6,528.88	234.95	34.90	-65.83	-951.42	259.03	7,771.12	7,683.10	88.02	88.291	
15,300.00	7,051.32	6,613.00	6,528.88	237.76	34.90	-65.83	-951.42	259.03	7,869.36	7,781.31	88.06	89.369	
15,400.00	7,050.25	6,613.00	6,528.88	240.58	34.90	-65.83	-951.42	259.03	7,967.64	7,879.55	88.09	90.445	
15,500.00	7,049.18	6,613.00	6,528.88	243.39	34.90	-65.83	-951.42	259.03	8,065.97	7,977.84	88.13	91.521	
15,600.00	7,048.11	6,613.00	6,528.88	246.21	34.90	-65.83	-951.42	259.03	8,164.33	8,076.16	88.17	92.595	
15,703.32	7,047.00	6,613.00	6,528.88	249.12	34.90	-65.83	-951.42	259.03	8,266.01	8,177.79	88.21	93.703	
15,703.90	7,046.99	6,613.00	6,528.88	249.13	34.90	-65.83	-951.42	259.03	8,266.58	8,178.36	88.22	93.709	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-5.81	512.49	512.57					
100.00	100.00	97.04	97.04	3.28	3.30	90.67	-5.98	511.75	511.80	505.22	6.58	77.749		
200.00	200.00	197.05	197.04	3.34	3.37	90.72	-6.43	511.03	511.09	504.38	6.71	76.188		
300.00	300.00	300.08	300.06	3.44	3.50	90.74	-6.60	509.96	510.06	503.11	6.95	73.403		
400.00	399.98	405.46	405.43	3.60	3.69	24.21	-6.62	507.97	506.58	499.28	7.30	69.434		
500.00	499.84	501.26	501.20	3.80	3.90	24.48	-6.42	505.89	499.64	491.93	7.71	64.845		
600.00	599.45	595.79	595.73	4.05	4.14	25.00	-6.76	504.78	490.55	482.37	8.18	59.953		
700.00	698.70	695.30	695.23	4.32	4.42	25.87	-7.94	504.09	478.89	470.15	8.73	54.832		
740.00	738.27	736.68	736.60	4.45	4.54	26.35	-8.79	503.68	473.27	464.29	8.98	52.718		
800.00	797.57	798.90	798.79	4.63	4.73	27.07	-10.34	502.69	464.19	454.83	9.35	49.637		
900.00	896.39	891.33	891.19	4.96	5.03	28.14	-12.16	501.62	449.57	439.60	9.97	45.099		
1,000.00	995.21	985.73	985.59	5.32	5.34	29.15	-12.96	501.65	436.21	425.59	10.62	41.079		
1,100.00	1,094.03	1,082.10	1,081.96	5.69	5.66	30.13	-13.06	502.51	423.78	412.48	11.29	37.523		
1,200.00	1,192.86	1,178.16	1,178.01	6.07	5.98	31.13	-13.01	504.02	412.12	400.12	11.99	34.366		
1,300.00	1,291.68	1,279.77	1,279.59	6.47	6.34	32.21	-12.68	505.71	400.64	387.91	12.73	31.475		
1,400.00	1,390.50	1,380.84	1,380.66	6.88	6.70	33.27	-11.72	506.88	388.71	375.23	13.48	28.832		
1,500.00	1,489.33	1,482.54	1,482.34	7.29	7.07	34.35	-10.35	507.52	376.34	362.08	14.25	26.403		
1,600.00	1,588.15	1,581.59	1,581.38	7.71	7.45	35.44	-8.64	507.80	363.68	348.65	15.03	24.193		
1,700.00	1,686.97	1,681.63	1,681.41	8.14	7.83	36.60	-6.82	507.96	351.03	335.20	15.83	22.179		
1,800.00	1,785.79	1,781.50	1,781.25	8.57	8.22	37.85	-4.92	507.80	338.20	321.57	16.63	20.334		
1,900.00	1,884.62	1,879.91	1,879.64	9.01	8.61	39.17	-3.03	507.67	325.55	308.10	17.44	18.663		
2,000.00	1,983.44	1,984.02	1,983.72	9.45	9.02	40.61	-0.56	507.22	312.70	294.43	18.27	17.114		
2,100.00	2,082.26	2,098.72	2,098.15	9.89	9.48	41.84	6.11	503.14	296.01	276.93	19.08	15.511		
2,200.00	2,181.09	2,205.96	2,204.78	10.33	9.93	43.26	13.42	494.59	275.00	255.12	19.87	13.838		
2,300.00	2,279.91	2,302.84	2,301.00	10.78	10.33	45.38	18.08	484.35	252.50	231.79	20.71	12.195		
2,400.00	2,378.73	2,397.15	2,394.79	11.23	10.73	47.95	21.80	475.17	231.47	209.91	21.57	10.732		
2,500.00	2,477.55	2,492.24	2,489.45	11.68	11.14	50.88	25.58	467.03	212.04	189.60	22.44	9.449		
2,600.00	2,576.38	2,589.98	2,586.82	12.13	11.56	54.37	29.44	459.39	193.92	170.61	23.31	8.320		
2,700.00	2,675.20	2,687.32	2,683.76	12.59	11.99	58.64	33.18	451.34	176.35	152.16	24.19	7.289		
2,800.00	2,774.02	2,788.75	2,784.70	13.04	12.43	64.09	37.37	442.36	159.36	134.30	25.05	6.361		
2,900.00	2,872.85	2,885.75	2,881.04	13.50	12.87	70.47	42.76	432.42	142.01	116.03	25.99	5.465		
3,000.00	2,971.67	2,984.18	2,978.83	13.96	13.31	78.36	48.38	422.78	127.06	100.13	26.93	4.719		
3,100.00	3,070.49	3,080.49	3,074.51	14.41	13.75	87.28	55.02	414.04	114.34	86.42	27.92	4.095		
3,200.00	3,169.31	3,177.04	3,170.52	14.87	14.18	97.96	60.71	405.63	106.23	77.30	28.93	3.672		
3,300.00	3,268.14	3,275.68	3,268.65	15.33	14.63	109.80	66.66	397.56	102.46	72.57	29.89	3.428		
3,351.13	3,318.66	3,325.71	3,318.43	15.57	14.86	115.74	70.13	393.94	101.86	71.50	30.36	3.355 CC, ES		
3,400.00	3,366.96	3,373.40	3,365.89	15.79	15.07	121.33	73.38	390.62	102.40	71.60	30.81	3.324 SF		
3,500.00	3,465.78	3,470.93	3,462.99	16.25	15.51	132.18	79.83	384.05	106.73	75.07	31.66	3.371		
3,600.00	3,564.61	3,568.64	3,560.30	16.72	15.96	141.73	85.94	377.73	114.87	82.38	32.48	3.536		
3,700.00	3,663.43	3,666.68	3,657.97	17.18	16.40	149.76	91.92	371.63	125.81	92.52	33.29	3.779		
3,800.00	3,762.25	3,761.27	3,752.27	17.64	16.82	155.82	96.69	366.10	139.35	105.33	34.02	4.096		
3,900.00	3,861.07	3,859.49	3,850.35	18.10	17.26	159.88	98.39	361.24	155.79	120.95	34.84	4.471		
4,000.00	3,959.90	3,957.96	3,948.66	18.57	17.69	163.29	100.41	356.12	172.84	137.16	35.68	4.845		
4,100.00	4,058.72	4,063.03	4,053.68	19.03	18.14	165.61	102.48	354.03	187.89	151.27	36.62	5.130		
4,200.00	4,157.54	4,159.16	4,149.80	19.50	18.52	166.45	102.03	354.64	202.52	165.10	37.42	5.412		
4,300.00	4,256.37	4,257.17	4,247.80	19.96	18.91	167.00	100.56	355.11	217.93	179.69	38.24	5.699		
4,400.00	4,355.19	4,356.84	4,347.45	20.43	19.30	167.43	98.65	355.36	233.77	194.68	39.09	5.980		
4,500.00	4,454.01	4,461.88	4,452.46	20.89	19.72	167.89	98.26	357.43	247.32	207.32	40.00	6.183		
4,600.00	4,552.83	4,560.98	4,551.54	21.36	20.12	168.42	98.86	359.62	260.16	219.31	40.85	6.369		
4,700.00	4,651.66	4,660.21	4,650.74	21.82	20.53	169.20	100.65	361.11	272.95	231.25	41.70	6.546		
4,800.00	4,750.48	4,758.91	4,749.41	22.29	20.94	170.06	103.02	362.08	285.87	243.32	42.55	6.718		
4,900.00	4,849.30	4,856.93	4,847.39	22.76	21.35	170.89	105.51	362.74	299.04	255.64	43.40	6.891		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,948.13	4,950.94	4,941.39	23.22	21.75	171.48	106.85	363.17	313.04	268.84	44.20	7.083		
5,100.00	5,046.95	5,045.13	5,035.58	23.69	22.14	171.90	106.62	362.30	329.08	284.08	44.99	7.314		
5,200.00	5,145.77	5,143.58	5,134.01	24.16	22.56	172.42	106.69	360.65	345.61	299.76	45.85	7.538		
5,300.00	5,244.59	5,241.86	5,232.28	24.62	22.98	172.95	107.18	358.79	362.15	315.44	46.71	7.753		
5,400.00	5,343.42	5,341.09	5,331.48	25.09	23.40	173.49	107.88	356.70	378.80	331.22	47.58	7.961		
5,500.00	5,442.24	5,439.07	5,429.44	25.56	23.82	173.94	108.42	354.96	395.26	346.83	48.44	8.161		
5,600.00	5,541.06	5,538.34	5,528.70	26.03	24.23	174.07	107.10	353.99	411.97	362.66	49.30	8.356		
5,700.00	5,639.89	5,638.64	5,628.99	26.50	24.65	174.25	106.34	353.17	428.26	378.07	50.18	8.534		
5,800.00	5,738.71	5,737.60	5,727.94	26.96	25.07	174.52	106.42	352.17	444.32	393.27	51.05	8.703		
5,900.00	5,837.53	5,841.51	5,831.85	27.43	25.51	174.80	106.82	351.48	459.96	407.98	51.97	8.850		
6,000.00	5,936.35	5,942.71	5,933.05	27.90	25.93	174.97	107.08	352.01	474.61	421.75	52.86	8.979		
6,100.00	6,035.18	6,040.94	6,031.27	28.37	26.34	175.26	108.45	352.09	489.14	435.42	53.72	9.106		
6,200.00	6,134.00	6,140.20	6,130.52	28.84	26.76	175.51	109.58	352.23	503.74	449.15	54.59	9.228		
6,300.00	6,232.82	6,241.01	6,231.32	29.31	27.19	175.76	110.75	352.26	518.43	462.96	55.47	9.346		
6,400.00	6,331.64	6,492.58	6,477.03	29.77	28.15	173.84	111.97	397.62	516.25	460.76	55.49	9.304		
6,477.15	6,407.89	6,642.93	6,613.67	30.14	28.69	170.64	113.80	459.73	498.67	444.61	54.06	9.225		
6,500.00	6,430.52	6,665.03	6,632.93	30.24	28.78	175.86	113.88	470.58	491.82	437.55	54.27	9.063		
6,550.00	6,480.31	6,714.60	6,675.66	30.46	28.98	-151.68	112.88	495.67	474.69	420.02	54.67	8.682		
6,600.00	6,530.22	6,810.24	6,753.07	30.66	29.43	-90.72	109.02	551.55	452.29	399.14	53.15	8.509		
6,650.00	6,579.93	6,861.46	6,791.43	30.85	29.73	-72.72	106.73	585.41	425.70	372.24	53.45	7.964		
6,700.00	6,629.13	6,907.54	6,824.40	31.04	30.00	-72.25	104.73	617.53	397.45	343.42	54.03	7.356		
6,750.00	6,677.53	6,955.74	6,856.68	31.23	30.35	-78.29	103.25	653.27	368.42	313.76	54.65	6.741		
6,800.00	6,724.83	6,986.48	6,875.86	31.43	30.57	-84.27	102.76	677.29	340.55	284.27	56.27	6.052		
6,850.00	6,770.73	7,004.79	6,886.74	31.63	30.70	-88.77	102.64	692.01	316.11	257.63	58.48	5.405		
6,900.00	6,814.95	7,011.62	6,890.69	31.84	30.79	-90.93	102.58	697.58	297.18	236.36	60.82	4.886		
6,950.00	6,857.22	7,014.30	6,892.23	32.06	30.81	-91.82	102.56	699.78	285.34	222.87	62.48	4.567		
6,996.24	6,894.35	7,012.89	6,891.42	32.28	30.80	-91.33	102.57	698.63	281.69	218.64	63.05	4.468		
7,000.00	6,897.28	7,012.64	6,891.28	32.29	30.80	-91.23	102.57	698.42	281.71	218.66	63.05	4.468		
7,050.00	6,934.88	7,007.55	6,888.35	32.54	30.75	-89.33	102.60	694.27	286.57	224.16	62.41	4.592		
7,100.00	6,969.79	7,000.34	6,884.14	32.81	30.67	-86.36	102.66	688.41	299.28	238.45	60.83	4.920		
7,150.00	7,001.79	6,989.36	6,877.60	33.11	30.59	-82.09	102.73	679.59	318.63	259.89	58.73	5.425		
7,200.00	7,030.69	6,976.57	6,869.80	33.44	30.50	-77.03	102.88	669.45	343.06	286.46	56.60	6.061		
7,250.00	7,056.31	6,962.31	6,860.88	33.81	30.40	-71.46	103.11	658.33	371.15	316.43	54.71	6.783		
7,300.00	7,078.48	6,946.85	6,850.93	34.21	30.29	-65.68	103.45	646.51	401.70	348.47	53.23	7.547		
7,350.00	7,097.08	6,930.41	6,840.05	34.65	30.17	-59.95	103.92	634.19	433.76	381.59	52.16	8.315		
7,400.00	7,112.00	6,913.14	6,828.29	35.12	30.04	-54.51	104.51	621.56	466.59	415.09	51.50	9.061		
7,450.00	7,123.12	6,899.00	6,818.41	35.64	29.94	-49.89	105.09	611.45	499.65	448.23	51.42	9.717		
7,500.00	7,130.40	6,874.37	6,800.81	36.19	29.80	-44.82	106.16	594.25	532.36	481.38	50.98	10.443		
7,550.00	7,133.78	6,852.89	6,785.13	36.77	29.68	-40.74	107.11	579.61	564.39	513.35	51.04	11.058		
7,574.97	7,134.00	6,841.82	6,776.93	37.06	29.62	-38.91	107.60	572.20	580.02	528.89	51.13	11.344		
7,600.00	7,133.73	6,830.77	6,768.65	37.37	29.55	-38.19	108.10	564.88	595.72	544.47	51.25	11.624		
7,700.00	7,132.66	6,804.00	6,748.29	38.71	29.40	-36.52	109.31	547.56	661.80	609.22	52.58	12.586		
7,800.00	7,131.59	6,762.55	6,715.54	40.20	29.20	-34.06	111.10	522.22	732.36	679.30	53.06	13.802		
7,900.00	7,130.52	6,736.28	6,693.94	41.84	29.08	-32.59	112.11	507.30	807.27	753.22	54.06	14.934		
8,000.00	7,129.45	6,709.00	6,670.88	43.60	28.96	-31.14	113.07	492.77	885.60	830.78	54.82	16.153		
8,100.00	7,128.38	6,682.69	6,648.23	45.47	28.85	-29.84	113.71	479.39	966.48	911.00	55.48	17.419		
8,200.00	7,127.31	6,652.06	6,621.65	47.44	28.73	-28.48	113.87	464.19	1,049.16	993.24	55.92	18.761		
8,300.00	7,126.24	6,614.00	6,588.29	49.49	28.58	-26.99	113.19	445.86	1,133.37	1,077.24	56.13	20.193		
8,400.00	7,125.17	6,614.00	6,588.29	51.61	28.58	-26.99	113.19	445.86	1,218.97	1,161.90	57.07	21.358		
8,500.00	7,124.10	6,584.33	6,561.87	53.81	28.47	-25.93	112.44	432.38	1,305.70	1,248.38	57.32	22.777		
8,600.00	7,123.03	6,568.82	6,547.85	56.06	28.42	-25.39	112.17	425.78	1,393.84	1,336.07	57.77	24.129		
8,700.00	7,121.96	6,554.65	6,534.90	58.36	28.37	-24.91	112.00	420.02	1,483.05	1,424.89	58.16	25.501		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,120.89	6,519.00	6,501.84	60.71	28.24	-23.72	111.88	406.69	1,573.73	1,515.52	58.21	27.037		
8,900.00	7,119.82	6,519.00	6,501.84	63.10	28.24	-23.72	111.88	406.69	1,664.32	1,605.63	58.69	28.358		
9,000.00	7,118.75	6,519.00	6,501.84	65.53	28.24	-23.72	111.88	406.69	1,755.94	1,696.84	59.10	29.713		
9,100.00	7,117.68	6,500.32	6,484.31	67.98	28.17	-23.13	111.94	400.24	1,848.24	1,788.97	59.26	31.187		
9,200.00	7,116.61	6,483.01	6,468.01	70.47	28.11	-22.60	112.00	394.41	1,940.98	1,881.55	59.42	32.663		
9,300.00	7,115.54	6,466.53	6,452.44	72.98	28.05	-22.11	112.06	389.01	2,034.12	1,974.55	59.58	34.144		
9,400.00	7,114.47	6,450.83	6,437.57	75.52	28.00	-21.66	112.13	383.99	2,127.64	2,067.92	59.72	35.627		
9,500.00	7,113.40	6,424.00	6,412.05	78.08	27.90	-20.94	112.25	375.69	2,221.56	2,161.79	59.77	37.169		
9,600.00	7,112.33	6,424.00	6,412.05	80.65	27.90	-20.94	112.25	375.69	2,315.66	2,255.66	60.00	38.595		
9,700.00	7,111.26	6,424.00	6,412.05	83.25	27.90	-20.94	112.25	375.69	2,410.24	2,350.04	60.21	40.034		
9,800.00	7,110.19	6,424.00	6,412.05	85.86	27.90	-20.94	112.25	375.69	2,505.24	2,444.85	60.39	41.485		
9,900.00	7,109.12	6,424.00	6,412.05	88.48	27.90	-20.94	112.25	375.69	2,600.61	2,540.06	60.56	42.946		
10,000.00	7,108.04	6,424.00	6,412.05	91.12	27.90	-20.94	112.25	375.69	2,696.32	2,635.62	60.71	44.416		
10,100.00	7,106.97	6,424.00	6,412.05	93.77	27.90	-20.94	112.25	375.69	2,792.33	2,731.49	60.84	45.894		
10,200.00	7,105.90	6,424.00	6,412.05	96.43	27.90	-20.94	112.25	375.69	2,888.61	2,827.64	60.97	47.378		
10,300.00	7,104.83	6,424.00	6,412.05	99.10	27.90	-20.94	112.25	375.69	2,985.14	2,924.05	61.09	48.868		
10,400.00	7,103.76	6,424.00	6,412.05	101.78	27.90	-20.94	112.25	375.69	3,081.89	3,020.69	61.19	50.363		
10,500.00	7,102.69	6,424.00	6,412.05	104.47	27.90	-20.94	112.25	375.69	3,178.83	3,117.54	61.30	51.861		
10,600.00	7,101.62	6,424.00	6,412.05	107.16	27.90	-20.94	112.25	375.69	3,275.97	3,214.58	61.39	53.363		
10,700.00	7,100.55	6,382.74	6,372.21	109.87	27.75	-19.90	112.31	365.03	3,371.13	3,309.78	61.35	54.947		
10,800.00	7,099.48	6,380.16	6,369.68	112.58	27.74	-19.83	112.31	364.48	3,468.31	3,406.88	61.44	56.453		
10,900.00	7,098.41	6,377.69	6,367.27	115.29	27.73	-19.78	112.30	363.97	3,565.64	3,504.12	61.52	57.961		
11,000.00	7,097.34	6,375.35	6,364.97	118.02	27.72	-19.72	112.29	363.50	3,663.09	3,601.50	61.60	59.469		
11,100.00	7,096.27	6,373.11	6,362.78	120.74	27.71	-19.67	112.29	363.06	3,760.67	3,699.00	61.67	60.978		
11,200.00	7,095.20	6,370.97	6,360.68	123.48	27.70	-19.62	112.28	362.65	3,858.36	3,796.61	61.75	62.487		
11,300.00	7,094.13	6,329.00	6,319.16	126.22	27.55	-18.69	111.99	356.65	3,958.12	3,896.39	61.73	64.122		
11,400.00	7,093.06	6,329.00	6,319.16	128.96	27.55	-18.69	111.99	356.65	4,055.82	3,994.01	61.81	65.620		
11,500.00	7,091.99	6,329.00	6,319.16	131.71	27.55	-18.69	111.99	356.65	4,153.63	4,091.74	61.88	67.119		
11,600.00	7,090.92	6,329.00	6,319.16	134.46	27.55	-18.69	111.99	356.65	4,251.54	4,189.58	61.96	68.619		
11,700.00	7,089.85	6,329.00	6,319.16	137.21	27.55	-18.69	111.99	356.65	4,349.54	4,287.51	62.03	70.118		
11,800.00	7,088.78	6,329.00	6,319.16	139.97	27.55	-18.69	111.99	356.65	4,447.64	4,385.53	62.10	71.616		
11,900.00	7,087.71	6,329.00	6,319.16	142.73	27.55	-18.69	111.99	356.65	4,545.82	4,483.64	62.17	73.114		
12,000.00	7,086.64	6,329.00	6,319.16	145.50	27.55	-18.69	111.99	356.65	4,644.07	4,581.83	62.24	74.612		
12,100.00	7,085.57	6,329.00	6,319.16	148.26	27.55	-18.69	111.99	356.65	4,742.40	4,680.09	62.31	76.108		
12,200.00	7,084.50	6,329.00	6,319.16	151.03	27.55	-18.69	111.99	356.65	4,840.80	4,778.42	62.38	77.602		
12,300.00	7,083.43	6,329.00	6,319.16	153.81	27.55	-18.69	111.99	356.65	4,939.26	4,876.81	62.45	79.096		
12,400.00	7,082.36	6,329.00	6,319.16	156.58	27.55	-18.69	111.99	356.65	5,037.78	4,975.27	62.51	80.588		
12,500.00	7,081.29	6,329.00	6,319.16	159.36	27.55	-18.69	111.99	356.65	5,136.36	5,073.78	62.58	82.077		
12,600.00	7,080.22	6,329.00	6,319.16	162.14	27.55	-18.69	111.99	356.65	5,234.99	5,172.35	62.65	83.565		
12,700.00	7,079.15	6,329.00	6,319.16	164.92	27.55	-18.69	111.99	356.65	5,333.68	5,270.97	62.71	85.051		
12,800.00	7,078.08	6,329.00	6,319.16	167.71	27.55	-18.69	111.99	356.65	5,432.41	5,369.63	62.78	86.535		
12,900.00	7,077.01	6,329.00	6,319.16	170.49	27.55	-18.69	111.99	356.65	5,531.19	5,468.34	62.84	88.016		
13,000.00	7,075.93	6,329.00	6,319.16	173.28	27.55	-18.69	111.99	356.65	5,630.01	5,567.10	62.91	89.495		
13,100.00	7,074.86	6,329.00	6,319.16	176.07	27.55	-18.69	111.99	356.65	5,728.87	5,665.89	62.97	90.971		
13,200.00	7,073.79	6,329.00	6,319.16	178.86	27.55	-18.69	111.99	356.65	5,827.77	5,764.73	63.04	92.444		
13,300.00	7,072.72	6,329.00	6,319.16	181.65	27.55	-18.69	111.99	356.65	5,926.71	5,863.60	63.11	93.914		
13,400.00	7,071.65	6,329.00	6,319.16	184.45	27.55	-18.69	111.99	356.65	6,025.68	5,962.51	63.17	95.382		
13,500.00	7,070.58	6,329.00	6,319.16	187.25	27.55	-18.69	111.99	356.65	6,124.69	6,061.45	63.24	96.846		
13,600.00	7,069.51	6,329.00	6,319.16	190.04	27.55	-18.69	111.99	356.65	6,223.72	6,160.42	63.31	98.308		
13,700.00	7,068.44	6,329.00	6,319.16	192.84	27.55	-18.69	111.99	356.65	6,322.79	6,259.42	63.38	99.766		
13,800.00	7,067.37	6,329.00	6,319.16	195.64	27.55	-18.69	111.99	356.65	6,421.89	6,358.44	63.44	101.220		
13,900.00	7,066.30	6,329.00	6,319.16	198.44	27.55	-18.69	111.99	356.65	6,521.01	6,457.50	63.51	102.672		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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)			
14,000.00	7,065.23	6,329.00	6,319.16	201.24	27.55	-18.69	111.99	356.65	6,620.16	6,556.58	63.58	104.120		
14,100.00	7,064.16	6,329.00	6,319.16	204.05	27.55	-18.69	111.99	356.65	6,719.34	6,655.69	63.65	105.564		
14,200.00	7,063.09	6,329.00	6,319.16	206.85	27.55	-18.69	111.99	356.65	6,818.54	6,754.82	63.72	107.005		
14,300.00	7,062.02	6,329.00	6,319.16	209.66	27.55	-18.69	111.99	356.65	6,917.76	6,853.97	63.79	108.441		
14,400.00	7,060.95	6,329.00	6,319.16	212.46	27.55	-18.69	111.99	356.65	7,017.01	6,953.15	63.86	109.875		
14,500.00	7,059.88	6,329.00	6,319.16	215.27	27.55	-18.69	111.99	356.65	7,116.28	7,052.34	63.94	111.304		
14,600.00	7,058.81	6,329.00	6,319.16	218.08	27.55	-18.69	111.99	356.65	7,215.56	7,151.55	64.01	112.729		
14,700.00	7,057.74	6,329.00	6,319.16	220.89	27.55	-18.69	111.99	356.65	7,314.87	7,250.79	64.08	114.151		
14,800.00	7,056.67	6,329.00	6,319.16	223.70	27.55	-18.69	111.99	356.65	7,414.19	7,350.04	64.15	115.568		
14,900.00	7,055.60	6,329.00	6,319.16	226.51	27.55	-18.69	111.99	356.65	7,513.53	7,449.31	64.23	116.982		
15,000.00	7,054.53	6,329.00	6,319.16	229.32	27.55	-18.69	111.99	356.65	7,612.89	7,548.59	64.30	118.391		
15,100.00	7,053.46	6,329.00	6,319.16	232.14	27.55	-18.69	111.99	356.65	7,712.27	7,647.89	64.38	119.796		
15,200.00	7,052.39	6,329.00	6,319.16	234.95	27.55	-18.69	111.99	356.65	7,811.66	7,747.21	64.45	121.197		
15,300.00	7,051.32	6,329.00	6,319.16	237.76	27.55	-18.69	111.99	356.65	7,911.07	7,846.54	64.53	122.594		
15,400.00	7,050.25	6,329.00	6,319.16	240.58	27.55	-18.69	111.99	356.65	8,010.49	7,945.89	64.61	123.986		
15,500.00	7,049.18	6,329.00	6,319.16	243.39	27.55	-18.69	111.99	356.65	8,109.93	8,045.24	64.69	125.374		
15,600.00	7,048.11	6,329.00	6,319.16	246.21	27.55	-18.69	111.99	356.65	8,209.38	8,144.62	64.76	126.758		
15,703.32	7,047.00	6,329.00	6,319.16	249.12	27.55	-18.69	111.99	356.65	8,312.15	8,247.30	64.85	128.182		
15,703.90	7,046.99	6,329.00	6,319.16	249.13	27.55	-18.69	111.99	356.65	8,312.73	8,247.88	64.85	128.190		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 39-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	-77.09	212.05	-925.31	4,883.16					
100.00	100.00	0.00	0.00	3.28	0.00	-77.09	212.05	-925.31	4,785.11	4,778.20	6.91	692.611		
200.00	200.00	0.00	0.00	3.34	0.00	-77.09	212.05	-925.31	4,687.14	4,680.35	6.78	690.875		
300.00	300.00	0.00	0.00	3.44	0.00	-77.09	212.05	-925.31	4,589.26	4,582.59	6.66	688.804		
400.00	399.98	0.00	0.00	3.60	0.00	-148.61	212.05	-925.31	4,491.78	4,485.24	6.54	686.782		
500.00	499.84	0.00	0.00	3.80	0.00	-152.31	212.05	-925.31	4,395.16	4,388.74	6.42	684.875		
600.00	599.45	0.00	0.00	4.05	0.00	-155.20	212.05	-925.31	4,299.55	4,293.25	6.30	682.637		
700.00	698.70	0.00	0.00	4.32	0.00	-157.49	212.05	-925.31	4,205.16	4,198.97	6.19	679.882		
740.00	738.27	0.00	0.00	4.45	0.00	-158.28	212.05	-925.31	4,167.78	4,161.65	6.14	679.017		
800.00	797.57	0.00	0.00	4.63	0.00	-158.28	212.05	-925.31	4,111.96	4,105.88	6.08	676.192		
900.00	896.39	0.00	0.00	4.96	0.00	-158.28	212.05	-925.31	4,019.19	4,013.19	6.00	670.008		
1,000.00	995.21	0.00	0.00	5.32	0.00	-158.28	212.05	-925.31	3,926.77	3,920.84	5.93	662.481		
1,100.00	1,094.03	0.00	0.00	5.69	0.00	-158.28	212.05	-925.31	3,834.73	3,828.86	5.87	653.442		
1,200.00	1,192.86	0.00	0.00	6.07	0.00	-158.28	212.05	-925.31	3,743.10	3,737.28	5.82	642.730		
1,300.00	1,291.68	0.00	0.00	6.47	0.00	-158.28	212.05	-925.31	3,651.91	3,646.12	5.79	630.195		
1,400.00	1,390.50	0.00	0.00	6.88	0.00	-158.28	212.05	-925.31	3,561.19	3,555.41	5.78	615.719		
1,500.00	1,489.33	0.00	0.00	7.29	0.00	-158.28	212.05	-925.31	3,470.99	3,465.19	5.79	599.222		
1,600.00	1,588.15	0.00	0.00	7.71	0.00	-158.28	212.05	-925.31	3,381.33	3,375.51	5.82	580.681		
1,700.00	1,686.97	0.00	0.00	8.14	0.00	-158.28	212.05	-925.31	3,292.27	3,286.39	5.88	560.142		
1,800.00	1,785.79	0.00	0.00	8.57	0.00	-158.28	212.05	-925.31	3,203.85	3,197.90	5.96	537.727		
1,900.00	1,884.62	0.00	0.00	9.01	0.00	-158.28	212.05	-925.31	3,116.14	3,110.07	6.07	513.636		
2,000.00	1,983.44	0.00	0.00	9.45	0.00	-158.28	212.05	-925.31	3,029.19	3,022.98	6.21	488.138		
2,100.00	2,082.26	0.00	0.00	9.89	0.00	-158.28	212.05	-925.31	2,943.06	2,936.69	6.38	461.565		
2,200.00	2,181.09	0.00	0.00	10.33	0.00	-158.28	212.05	-925.31	2,857.84	2,851.26	6.58	434.286		
2,300.00	2,279.91	0.00	0.00	10.78	0.00	-158.28	212.05	-925.31	2,773.61	2,766.79	6.82	406.689		
2,400.00	2,378.73	0.00	0.00	11.23	0.00	-158.28	212.05	-925.31	2,690.46	2,683.36	7.10	379.153		
2,500.00	2,477.55	0.00	0.00	11.68	0.00	-158.28	212.05	-925.31	2,608.49	2,601.08	7.41	352.036		
2,600.00	2,576.38	0.00	0.00	12.13	0.00	-158.28	212.05	-925.31	2,527.82	2,520.05	7.76	325.651		
2,700.00	2,675.20	0.00	0.00	12.59	0.00	-158.28	212.05	-925.31	2,448.57	2,440.42	8.15	300.262		
2,800.00	2,774.02	0.00	0.00	13.04	0.00	-158.28	212.05	-925.31	2,370.90	2,362.31	8.59	276.076		
2,900.00	2,872.85	0.00	0.00	13.50	0.00	-158.28	212.05	-925.31	2,294.95	2,285.89	9.06	253.248		
3,000.00	2,971.67	0.00	0.00	13.96	0.00	-158.28	212.05	-925.31	2,220.91	2,211.33	9.58	231.879		
3,100.00	3,070.49	0.00	0.00	14.41	0.00	-158.28	212.05	-925.31	2,148.97	2,138.84	10.14	212.029		
3,200.00	3,169.31	0.00	0.00	14.87	0.00	-158.28	212.05	-925.31	2,079.36	2,068.63	10.73	193.718		
3,300.00	3,268.14	0.00	0.00	15.33	0.00	-158.28	212.05	-925.31	2,012.31	2,000.94	11.37	176.939		
3,400.00	3,366.96	0.00	0.00	15.79	0.00	-158.28	212.05	-925.31	1,948.08	1,936.03	12.05	161.660		
3,500.00	3,465.78	0.00	0.00	16.25	0.00	-158.28	212.05	-925.31	1,886.98	1,874.21	12.76	147.834		
3,600.00	3,564.61	0.00	0.00	16.72	0.00	-158.28	212.05	-925.31	1,829.30	1,815.79	13.51	135.404		
3,700.00	3,663.43	0.00	0.00	17.18	0.00	-158.28	212.05	-925.31	1,775.38	1,761.10	14.28	124.302		
3,800.00	3,762.25	0.00	0.00	17.64	0.00	-158.28	212.05	-925.31	1,725.58	1,710.50	15.08	114.460		
3,900.00	3,861.07	0.00	0.00	18.10	0.00	-158.28	212.05	-925.31	1,680.26	1,664.38	15.88	105.807		
4,000.00	3,959.90	0.00	0.00	18.57	0.00	-158.28	212.05	-925.31	1,639.79	1,623.10	16.69	98.272		
4,100.00	4,058.72	0.00	0.00	19.03	0.00	-158.28	212.05	-925.31	1,604.54	1,587.06	17.48	91.787		
4,200.00	4,157.54	0.00	0.00	19.50	0.00	-158.28	212.05	-925.31	1,574.87	1,556.62	18.25	86.285		
4,300.00	4,256.37	0.00	0.00	19.96	0.00	-158.28	212.05	-925.31	1,551.08	1,532.10	18.98	81.705		
4,400.00	4,355.19	0.00	0.00	20.43	0.00	-158.28	212.05	-925.31	1,533.46	1,513.80	19.66	77.987		
4,500.00	4,454.01	0.00	0.00	20.89	0.00	-158.28	212.05	-925.31	1,522.22	1,501.94	20.28	75.076		
4,600.00	4,552.83	0.00	0.00	21.36	0.00	-158.28	212.05	-925.31	1,517.50	1,496.69	20.81	72.919		
4,621.77	4,574.34	0.00	0.00	21.46	0.00	-158.28	212.05	-925.31	1,517.34	1,496.42	20.92	72.544		
4,700.00	4,651.66	0.00	0.00	21.82	0.00	-158.28	212.05	-925.31	1,519.36	1,498.10	21.26	71.468		
4,800.00	4,750.48	0.00	0.00	22.29	0.00	-158.28	212.05	-925.31	1,527.77	1,506.16	21.62	70.678		
4,900.00	4,849.30	51.80	51.80	22.76	0.14	-158.40	211.86	-925.44	1,541.65	1,519.52	22.13	69.668		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,948.13	141.25	141.24	23.22	0.53	-158.61	211.33	-926.12	1,556.69	1,533.74	22.95	67.829		
5,100.00	5,046.95	231.40	231.38	23.69	0.93	-158.82	210.59	-927.31	1,572.31	1,548.53	23.78	66.132		
5,200.00	5,145.77	327.37	327.33	24.16	1.35	-159.04	209.71	-928.92	1,588.30	1,563.67	24.64	64.466		
5,300.00	5,244.59	427.75	427.69	24.62	1.80	-159.29	208.28	-930.60	1,604.34	1,578.81	25.53	62.843		
5,400.00	5,343.42	520.31	520.20	25.09	2.21	-159.56	205.74	-932.20	1,620.54	1,594.17	26.37	61.452		
5,500.00	5,442.24	629.14	628.93	25.56	2.69	-159.92	201.33	-933.83	1,636.63	1,609.31	27.32	59.904		
5,600.00	5,541.06	719.83	719.47	26.03	3.10	-160.26	196.28	-935.08	1,652.74	1,624.59	28.16	58.701		
5,700.00	5,639.89	809.53	808.93	26.50	3.51	-160.64	189.89	-936.58	1,669.34	1,640.35	28.99	57.590		
5,800.00	5,738.71	898.42	897.50	26.96	3.92	-161.04	182.59	-938.44	1,686.52	1,656.70	29.82	56.563		
5,900.00	5,837.53	974.86	973.61	27.43	4.28	-161.39	175.84	-940.69	1,704.66	1,674.10	30.56	55.781		
6,000.00	5,936.35	1,054.15	1,052.49	27.90	4.65	-161.76	168.53	-943.91	1,724.04	1,692.72	31.32	55.044		
6,100.00	6,035.18	1,142.38	1,140.23	28.37	5.08	-162.16	160.27	-948.25	1,744.35	1,712.20	32.15	54.257		
6,200.00	6,134.00	1,232.18	1,229.53	28.84	5.51	-162.56	152.07	-952.96	1,765.07	1,732.08	32.99	53.505		
6,300.00	6,232.82	1,324.41	1,321.29	29.31	5.95	-162.92	144.55	-958.37	1,786.35	1,752.50	33.84	52.781		
6,400.00	6,331.64	1,426.75	1,423.14	29.77	6.44	-163.31	136.35	-964.10	1,807.43	1,772.65	34.78	51.967		
6,477.15	6,407.89	1,495.29	1,491.26	30.14	6.78	-163.60	129.84	-967.96	1,823.92	1,788.50	35.42	51.490		
6,500.00	6,430.52	1,523.96	1,519.73	30.24	6.92	-157.46	126.81	-969.52	1,828.40	1,792.72	35.68	51.243		
6,550.00	6,480.31	1,587.43	1,582.70	30.46	7.24	-122.36	119.47	-972.51	1,835.15	1,798.90	36.24	50.635		
6,600.00	6,530.22	1,654.76	1,649.35	30.66	7.58	-54.42	110.24	-974.87	1,837.60	1,800.77	36.83	49.899		
6,650.00	6,579.93	1,724.77	1,718.46	30.85	7.94	-30.21	99.17	-976.36	1,835.69	1,798.28	37.42	49.062		
6,700.00	6,629.13	1,797.85	1,790.62	31.04	8.32	-22.39	87.64	-977.00	1,829.36	1,791.35	38.01	48.124		
6,750.00	6,677.53	1,873.89	1,865.80	31.23	8.71	-19.07	76.26	-976.61	1,818.55	1,779.93	38.61	47.095		
6,800.00	6,724.83	1,901.65	1,893.26	31.43	8.85	-17.16	72.17	-976.47	1,803.98	1,765.14	38.85	46.437		
6,850.00	6,770.73	1,933.10	1,924.35	31.63	9.01	-16.19	67.47	-976.51	1,786.17	1,747.07	39.09	45.691		
6,900.00	6,814.95	1,964.11	1,955.01	31.84	9.17	-15.78	62.76	-976.77	1,765.19	1,725.87	39.32	44.892		
6,950.00	6,857.22	1,997.65	1,988.14	32.06	9.35	-15.81	57.60	-977.24	1,741.09	1,701.54	39.56	44.012		
7,000.00	6,897.28	2,029.67	2,019.77	32.29	9.52	-16.16	52.62	-977.83	1,713.97	1,674.19	39.78	43.090		
7,050.00	6,934.88	2,063.89	2,053.55	32.54	9.70	-16.88	47.23	-978.60	1,683.95	1,643.94	40.00	42.094		
7,100.00	6,969.79	2,113.80	2,102.86	32.81	9.96	-18.24	39.53	-979.53	1,650.90	1,610.54	40.36	40.904		
7,150.00	7,001.79	2,159.05	2,147.60	33.11	10.20	-20.06	32.79	-980.03	1,614.92	1,574.24	40.68	39.703		
7,200.00	7,030.69	2,173.74	2,162.13	33.44	10.27	-21.75	30.65	-980.27	1,576.60	1,535.86	40.74	38.700		
7,250.00	7,056.31	2,191.80	2,180.00	33.81	10.37	-24.12	28.04	-980.62	1,536.24	1,495.41	40.83	37.624		
7,300.00	7,078.48	2,207.89	2,195.92	34.21	10.45	-27.21	25.74	-981.03	1,494.05	1,453.14	40.91	36.518		
7,350.00	7,097.08	2,221.88	2,209.75	34.65	10.53	-31.29	23.76	-981.45	1,450.24	1,409.26	40.98	35.385		
7,400.00	7,112.00	2,233.60	2,221.36	35.12	10.59	-36.75	22.11	-981.85	1,405.06	1,364.01	41.05	34.228		
7,450.00	7,123.12	2,243.00	2,230.66	35.64	10.64	-44.13	20.80	-982.20	1,358.73	1,317.62	41.11	33.049		
7,500.00	7,130.40	2,250.75	2,238.32	36.19	10.68	-54.17	19.72	-982.51	1,311.52	1,270.33	41.18	31.846		
7,550.00	7,133.78	2,255.43	2,242.95	36.77	10.70	-67.24	19.06	-982.70	1,263.69	1,222.44	41.25	30.634		
7,574.97	7,134.00	2,256.57	2,244.08	37.06	10.71	-74.78	18.90	-982.74	1,239.66	1,198.37	41.29	30.027		
7,600.00	7,133.73	2,257.30	2,244.81	37.37	10.71	-74.90	18.80	-982.77	1,215.56	1,174.24	41.32	29.418		
7,700.00	7,132.66	2,260.29	2,247.76	38.71	10.73	-75.42	18.37	-982.90	1,119.69	1,078.18	41.50	26.978		
7,800.00	7,131.59	2,263.32	2,250.76	40.20	10.74	-75.94	17.94	-983.02	1,024.59	982.81	41.78	24.523		
7,900.00	7,130.52	2,266.42	2,253.82	41.84	10.76	-76.47	17.50	-983.15	930.51	888.32	42.20	22.051		
8,000.00	7,129.45	2,269.57	2,256.94	43.60	10.78	-77.01	17.05	-983.28	837.79	794.97	42.82	19.565		
8,100.00	7,128.38	2,272.79	2,260.12	45.47	10.80	-77.57	16.59	-983.41	746.94	703.18	43.76	17.069		
8,200.00	7,127.31	2,276.07	2,263.37	47.44	10.81	-78.14	16.12	-983.55	658.72	613.55	45.17	14.582		
8,300.00	7,126.24	2,279.41	2,266.67	49.49	10.83	-78.72	15.63	-983.70	574.36	527.06	47.30	12.143		
8,400.00	7,125.17	2,282.82	2,270.04	51.61	10.85	-79.31	15.14	-983.84	495.82	445.36	50.46	9.826		
8,500.00	7,124.10	2,286.30	2,273.48	53.81	10.87	-79.91	14.63	-983.99	426.33	371.38	54.95	7.759		
8,600.00	7,123.03	2,289.85	2,276.99	56.06	10.89	-80.53	14.11	-984.15	371.02	310.34	60.68	6.114		
8,700.00	7,121.96	2,293.48	2,280.57	58.36	10.91	-81.16	13.58	-984.31	336.93	270.46	66.47	5.069		
8,770.83	7,121.20	2,296.09	2,283.15	60.03	10.92	-81.61	13.20	-984.42	329.41	260.10	69.31	4.752 CC, ES		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,120.89	2,297.18	2,284.23	60.71	10.93	-81.80	13.04	-984.47	330.70	260.74	69.96	4.727 SF		
8,900.00	7,119.82	2,300.95	2,287.96	63.10	10.95	-82.46	12.48	-984.64	353.80	284.03	69.76	5.071		
9,000.00	7,118.75	2,304.81	2,291.77	65.53	10.97	-83.13	11.91	-984.82	401.19	334.16	67.03	5.985		
9,100.00	7,117.68	2,308.75	2,295.66	67.98	10.99	-83.81	11.32	-985.00	465.51	401.93	63.58	7.322		
9,200.00	7,116.61	2,312.77	2,299.63	70.47	11.01	-84.51	10.72	-985.18	540.76	480.35	60.40	8.952		
9,300.00	7,115.54	2,316.88	2,303.69	72.98	11.03	-85.22	10.10	-985.37	622.98	565.19	57.79	10.781		
9,400.00	7,114.47	2,321.09	2,307.84	75.52	11.05	-85.95	9.46	-985.57	709.75	654.05	55.70	12.742		
9,500.00	7,113.40	2,325.39	2,312.09	78.08	11.08	-86.69	8.81	-985.77	799.60	745.54	54.06	14.791		
9,600.00	7,112.33	2,329.78	2,316.43	80.65	11.10	-87.45	8.14	-985.98	891.59	838.84	52.76	16.900		
9,700.00	7,111.26	2,334.28	2,320.86	83.25	11.12	-88.22	7.45	-986.20	985.13	933.41	51.71	19.049		
9,800.00	7,110.19	2,338.88	2,325.40	85.86	11.15	-89.00	6.75	-986.42	1,079.80	1,028.93	50.87	21.225		
9,900.00	7,109.12	2,343.58	2,330.05	88.48	11.17	-89.81	6.02	-986.66	1,175.34	1,125.16	50.19	23.419		
10,000.00	7,108.04	2,348.40	2,334.80	91.12	11.20	-90.62	5.27	-986.90	1,271.55	1,221.93	49.62	25.623		
10,100.00	7,106.97	2,353.34	2,339.67	93.77	11.22	-91.45	4.50	-987.14	1,368.29	1,319.13	49.16	27.835		
10,200.00	7,105.90	2,358.32	2,344.65	96.43	11.22	-91.44	4.54	-987.11	1,465.48	1,416.75	48.73	30.072		
10,300.00	7,104.83	2,363.34	2,349.66	99.10	11.24	-92.02	4.02	-987.27	1,563.01	1,514.61	48.40	32.297		
10,400.00	7,103.76	2,368.39	2,354.71	101.78	11.26	-92.57	3.51	-987.42	1,660.81	1,612.71	48.11	34.522		
10,500.00	7,102.69	2,373.46	2,359.78	104.47	11.28	-93.11	3.01	-987.57	1,758.86	1,711.00	47.86	36.747		
10,600.00	7,101.62	2,378.57	2,364.89	107.16	11.30	-93.64	2.53	-987.71	1,857.11	1,809.45	47.65	38.970		
10,700.00	7,100.55	2,383.71	2,370.03	109.87	11.31	-94.15	2.06	-987.85	1,955.53	1,908.05	47.48	41.190		
10,800.00	7,099.48	2,388.88	2,375.16	112.58	11.33	-94.65	1.60	-987.98	2,054.10	2,006.77	47.32	43.408		
10,900.00	7,098.41	2,394.07	2,380.35	115.29	11.34	-95.14	1.15	-988.11	2,152.79	2,105.60	47.19	45.621		
11,000.00	7,097.34	2,399.28	2,385.56	118.02	11.36	-95.61	0.71	-988.23	2,251.59	2,204.52	47.08	47.830		
11,100.00	7,096.27	2,404.51	2,390.79	120.74	11.38	-96.07	0.28	-988.35	2,350.49	2,303.52	46.98	50.034		
11,200.00	7,095.20	2,409.76	2,396.04	123.48	11.39	-96.51	-0.13	-988.47	2,449.48	2,402.58	46.89	52.234		
11,300.00	7,094.13	2,415.03	2,401.31	126.22	11.40	-96.95	-0.54	-988.58	2,548.54	2,501.72	46.82	54.428		
11,400.00	7,093.06	2,420.32	2,406.60	128.96	11.42	-97.37	-0.94	-988.69	2,647.67	2,600.90	46.77	56.616		
11,500.00	7,091.99	2,425.63	2,411.91	131.71	11.43	-97.79	-1.33	-988.80	2,746.86	2,700.14	46.72	58.799		
11,600.00	7,090.92	2,430.96	2,417.24	134.46	11.45	-98.19	-1.71	-988.90	2,846.10	2,799.42	46.68	60.976		
11,700.00	7,089.85	2,436.31	2,422.59	137.21	11.46	-98.58	-2.09	-989.00	2,945.39	2,898.74	46.64	63.147		
11,800.00	7,088.78	2,441.68	2,427.96	139.97	11.47	-98.97	-2.45	-989.10	3,044.72	2,998.10	46.62	65.311		
11,900.00	7,087.71	2,447.07	2,433.35	142.73	11.49	-99.34	-2.81	-989.19	3,144.09	3,097.49	46.60	67.469		
12,000.00	7,086.64	2,452.48	2,438.76	145.50	11.50	-99.70	-3.16	-989.28	3,243.50	3,196.91	46.59	69.621		
12,100.00	7,085.57	2,457.91	2,444.19	148.26	11.51	-100.06	-3.50	-989.37	3,342.94	3,296.36	46.58	71.766		
12,200.00	7,084.50	2,463.36	2,449.64	151.03	11.52	-100.41	-3.83	-989.46	3,442.42	3,395.84	46.58	73.904		
12,300.00	7,083.43	2,468.83	2,455.11	153.81	11.53	-100.75	-4.16	-989.54	3,541.92	3,495.33	46.58	76.035		
12,400.00	7,082.36	2,474.32	2,460.60	156.58	11.55	-101.08	-4.48	-989.62	3,641.44	3,594.85	46.59	78.159		
12,500.00	7,081.29	2,479.83	2,466.11	159.36	11.56	-101.40	-4.80	-989.70	3,740.99	3,694.39	46.60	80.277		
12,600.00	7,080.22	2,485.36	2,471.64	162.14	11.57	-101.71	-5.11	-989.78	3,840.56	3,793.94	46.62	82.386		
12,700.00	7,079.15	2,490.91	2,477.19	164.92	11.58	-102.02	-5.41	-989.85	3,940.15	3,893.51	46.64	84.489		
12,800.00	7,078.08	2,496.48	2,482.76	167.71	11.65	-103.98	-7.36	-990.32	4,039.78	3,993.07	46.72	86.473		
12,900.00	7,077.01	2,502.07	2,488.35	170.49	11.65	-103.98	-7.36	-990.32	4,139.40	4,092.67	46.73	88.578		
13,000.00	7,075.93	2,507.68	2,493.96	173.28	11.65	-103.98	-7.36	-990.32	4,239.04	4,192.29	46.75	90.676		
13,100.00	7,074.86	2,513.31	2,499.59	176.07	11.65	-103.98	-7.36	-990.32	4,338.69	4,291.92	46.77	92.767		
13,200.00	7,073.79	2,518.96	2,505.24	178.86	11.65	-103.98	-7.36	-990.32	4,438.36	4,391.57	46.79	94.850		
13,300.00	7,072.72	2,524.63	2,510.91	181.65	11.65	-103.98	-7.36	-990.32	4,538.04	4,491.22	46.82	96.927		
13,400.00	7,071.65	2,530.32	2,516.60	184.45	11.65	-104.07	-7.44	-990.34	4,637.74	4,590.89	46.85	98.989		
13,500.00	7,070.58	2,536.03	2,522.31	187.25	11.72	-106.03	-9.45	-990.83	4,737.45	4,690.49	46.96	100.893		
13,600.00	7,069.51	2,541.76	2,528.04	190.04	11.81	-108.25	-11.79	-991.43	4,837.15	4,790.08	47.07	102.756		
13,700.00	7,068.44	2,547.51	2,533.79	192.84	11.91	-110.74	-14.54	-992.19	4,936.86	4,889.65	47.21	104.568		
13,800.00	7,067.37	2,553.28	2,539.56	195.64	12.03	-113.57	-17.83	-993.18	5,036.57	4,989.19	47.37	106.316		
13,900.00	7,066.30	2,559.07	2,545.35	198.44	12.17	-116.79	-21.84	-994.48	5,136.26	5,088.70	47.57	107.982		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Boomerang 21-5 - SRC Wiedeman 22-5-4NBHZ - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 39-MWD														Offset Well Error:		0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
14,000.00	7,065.23	14,000.00	2,475.06	201.24	73.98	-112.08	-16.08	-992.81	5,235.84	5,127.07	108.77	48.137				
14,100.00	7,064.16	14,100.00	2,478.74	204.05	74.51	-112.56	-16.64	-992.97	5,335.58	5,226.23	109.34	48.797				
14,200.00	7,063.09	14,200.00	2,482.43	206.85	75.05	-113.03	-17.20	-993.13	5,435.32	5,325.40	109.92	49.450				
14,300.00	7,062.02	14,300.00	2,486.11	209.66	75.59	-113.50	-17.76	-993.29	5,535.07	5,424.58	110.49	50.095				
14,400.00	7,060.95	14,400.00	2,489.79	212.46	76.13	-113.96	-18.31	-993.45	5,634.83	5,523.76	111.07	50.732				
14,500.00	7,059.88	2,544.75	2,528.74	215.27	12.26	-118.58	-24.21	-995.27	5,734.57	5,686.64	47.93	119.638				
14,600.00	7,058.81	2,547.70	2,531.65	218.08	12.27	-118.90	-24.64	-995.41	5,834.31	5,786.31	48.00	121.544				
14,700.00	7,057.74	2,550.61	2,534.53	220.89	12.29	-119.22	-25.08	-995.55	5,934.06	5,885.99	48.07	123.441				
14,800.00	7,056.67	2,553.50	2,537.38	223.70	12.30	-119.53	-25.51	-995.69	6,033.82	5,985.67	48.14	125.329				
14,900.00	7,055.60	2,556.35	2,540.20	226.51	12.32	-119.84	-25.93	-995.83	6,133.58	6,085.36	48.22	127.208				
15,000.00	7,054.53	2,559.16	2,542.98	229.32	12.33	-120.14	-26.35	-995.96	6,233.35	6,185.06	48.29	129.078				
15,100.00	7,053.46	2,561.95	2,545.73	232.14	12.35	-120.43	-26.76	-996.10	6,333.12	6,284.75	48.37	130.939				
15,200.00	7,052.39	2,564.71	2,548.46	234.95	12.36	-120.72	-27.17	-996.23	6,432.90	6,384.46	48.44	132.792				
15,300.00	7,051.32	2,567.43	2,551.15	237.76	12.38	-121.00	-27.57	-996.35	6,532.68	6,484.16	48.52	134.635				
15,400.00	7,050.25	2,570.13	2,553.81	240.58	12.39	-121.28	-27.97	-996.48	6,632.47	6,583.87	48.60	136.469				
15,500.00	7,049.18	2,572.80	2,556.45	243.39	12.41	-121.55	-28.36	-996.61	6,732.26	6,683.58	48.68	138.294				
15,600.00	7,048.11	2,575.44	2,559.05	246.21	12.42	-121.82	-28.75	-996.73	6,832.06	6,783.30	48.76	140.110				
15,703.32	7,047.00	2,578.13	2,561.72	249.12	12.43	-122.09	-29.15	-996.85	6,935.18	6,886.33	48.85	141.976				
15,703.90	7,046.99	2,578.15	2,561.73	249.13	12.43	-122.09	-29.15	-996.85	6,935.76	6,886.91	48.85	141.987				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-75.47	242.29	-934.77	966.37					
100.00	100.00	59.00	59.00	3.28	3.29	-75.47	242.32	-934.85	965.76	959.19	6.57	146.939		
200.00	200.00	150.49	150.49	3.34	3.34	-75.46	242.61	-935.59	966.61	959.93	6.68	144.749		
300.00	300.00	259.86	259.85	3.44	3.46	-75.48	242.65	-936.59	967.52	960.61	6.90	140.123		
400.00	399.98	346.57	346.54	3.60	3.60	-142.25	241.34	-937.93	970.00	962.79	7.20	134.703		
500.00	499.84	432.76	432.64	3.80	3.77	-142.53	238.47	-940.77	976.54	968.96	7.58	128.847		
600.00	599.45	509.99	509.63	4.05	3.95	-142.93	234.33	-945.10	987.67	979.65	8.01	123.232		
700.00	698.70	582.65	581.79	4.32	4.16	-143.44	228.67	-951.31	1,004.04	995.53	8.50	118.077		
740.00	738.27	615.00	613.80	4.45	4.25	-143.73	225.53	-954.82	1,012.14	1,003.42	8.72	116.051		
800.00	797.57	661.48	659.68	4.63	4.41	-144.31	220.62	-960.33	1,025.22	1,016.16	9.05	113.232		
900.00	896.39	761.63	758.40	4.96	4.77	-145.58	209.14	-972.71	1,047.75	1,038.05	9.70	107.981		
1,000.00	995.21	861.62	856.85	5.32	5.18	-146.86	196.19	-984.43	1,069.91	1,059.50	10.41	102.796		
1,100.00	1,094.03	1,004.08	996.72	5.69	5.81	-148.80	173.57	-998.97	1,090.99	1,079.64	11.35	96.129		
1,200.00	1,192.86	1,156.72	1,145.69	6.07	6.55	-151.14	141.36	-1,006.82	1,106.98	1,094.55	12.43	89.045		
1,300.00	1,291.68	1,254.18	1,240.14	6.47	7.06	-152.73	117.54	-1,009.82	1,121.73	1,108.42	13.31	84.267		
1,400.00	1,390.50	1,377.87	1,359.55	6.88	7.74	-154.80	85.31	-1,010.93	1,135.06	1,120.68	14.38	78.953		
1,500.00	1,489.33	1,466.83	1,445.22	7.29	8.25	-156.28	61.37	-1,011.38	1,149.11	1,133.83	15.28	75.218		
1,600.00	1,588.15	1,553.10	1,528.43	7.71	8.76	-157.67	38.60	-1,012.09	1,164.38	1,148.20	16.17	71.987		
1,700.00	1,686.97	1,642.56	1,614.90	8.14	9.30	-159.04	15.72	-1,013.63	1,181.28	1,164.18	17.10	69.094		
1,800.00	1,785.79	1,742.34	1,711.70	8.57	9.90	-160.47	-8.42	-1,015.06	1,198.58	1,180.49	18.08	66.276		
1,900.00	1,884.62	1,838.68	1,805.24	9.01	10.48	-161.79	-31.51	-1,016.22	1,216.32	1,197.27	19.05	63.834		
2,000.00	1,983.44	1,911.67	1,876.21	9.45	10.92	-162.74	-48.42	-1,017.47	1,235.17	1,215.31	19.86	62.191		
2,100.00	2,082.26	1,985.03	1,948.05	9.89	11.34	-163.55	-62.88	-1,020.88	1,256.72	1,236.08	20.64	60.880		
2,200.00	2,181.09	2,200.00	2,077.57	10.33	12.46	-164.65	-82.05	-1,026.55	1,277.64	1,255.47	22.17	57.633		
2,300.00	2,279.91	2,239.14	2,199.83	10.78	12.61	-165.45	-95.39	-1,028.73	1,295.59	1,272.84	22.75	56.938		
2,400.00	2,378.73	2,353.54	2,313.96	11.23	13.09	-165.95	-102.79	-1,030.67	1,313.11	1,289.44	23.66	55.491		
2,500.00	2,477.55	2,471.91	2,432.26	11.68	13.55	-166.30	-106.65	-1,031.71	1,329.38	1,304.82	24.56	54.129		
2,600.00	2,576.38	2,572.95	2,533.29	12.13	13.92	-166.50	-107.71	-1,031.98	1,344.69	1,319.33	25.36	53.018		
2,700.00	2,675.20	2,685.12	2,645.46	12.59	14.29	-166.65	-107.05	-1,031.91	1,359.41	1,333.23	26.18	51.929		
2,800.00	2,774.02	2,780.31	2,740.64	13.04	14.58	-166.72	-105.33	-1,031.85	1,373.93	1,347.02	26.91	51.056		
2,900.00	2,872.85	2,877.32	2,837.60	13.50	14.88	-166.75	-102.62	-1,032.16	1,388.64	1,360.99	27.65	50.216		
3,000.00	2,971.67	2,970.20	2,930.45	13.96	15.18	-166.78	-100.14	-1,032.61	1,403.55	1,375.16	28.39	49.444		
3,100.00	3,070.49	3,059.66	3,019.88	14.41	15.47	-166.81	-97.92	-1,033.61	1,419.10	1,389.99	29.11	48.743		
3,200.00	3,169.31	3,170.98	3,131.15	14.87	15.84	-166.84	-95.04	-1,035.09	1,434.88	1,404.94	29.94	47.930		
3,300.00	3,268.14	3,266.42	3,226.50	15.33	16.15	-166.81	-91.12	-1,035.76	1,449.75	1,419.06	30.69	47.233		
3,400.00	3,366.96	3,359.24	3,319.26	15.79	16.46	-166.80	-87.81	-1,036.90	1,465.21	1,433.77	31.45	46.596		
3,500.00	3,465.78	3,489.90	3,449.85	16.25	16.91	-166.82	-83.67	-1,036.87	1,479.46	1,447.10	32.36	45.712		
3,600.00	3,564.61	3,579.40	3,539.31	16.72	17.22	-166.85	-81.09	-1,036.40	1,493.34	1,460.22	33.12	45.094		
3,700.00	3,663.43	3,674.11	3,633.99	17.18	17.55	-166.88	-78.61	-1,036.22	1,507.59	1,473.70	33.89	44.480		
3,800.00	3,762.25	3,780.72	3,740.57	17.64	17.93	-166.93	-76.09	-1,036.13	1,522.02	1,487.29	34.73	43.826		
3,900.00	3,861.07	3,889.96	3,849.76	18.10	18.32	-166.98	-73.41	-1,034.95	1,535.42	1,499.84	35.58	43.156		
4,000.00	3,959.90	3,993.55	3,953.32	18.57	18.69	-167.04	-70.95	-1,033.51	1,548.55	1,512.14	36.41	42.534		
4,100.00	4,058.72	4,078.72	4,038.45	19.03	19.00	-167.07	-68.65	-1,032.59	1,561.93	1,524.78	37.16	42.035		
4,200.00	4,157.54	4,168.81	4,128.50	19.50	19.33	-167.08	-65.93	-1,032.39	1,576.09	1,538.16	37.93	41.552		
4,300.00	4,256.37	4,276.42	4,236.05	19.96	19.72	-167.09	-62.35	-1,032.31	1,590.35	1,551.56	38.79	41.002		
4,400.00	4,355.19	4,393.08	4,352.63	20.43	20.15	-167.10	-58.41	-1,030.80	1,603.34	1,563.65	39.69	40.400		
4,500.00	4,454.01	4,481.98	4,441.48	20.89	20.48	-167.13	-55.82	-1,029.60	1,616.42	1,575.95	40.46	39.947		
4,600.00	4,552.83	4,572.11	4,531.58	21.36	20.82	-167.16	-53.49	-1,028.97	1,630.18	1,588.93	41.25	39.521		
4,700.00	4,651.66	4,663.97	4,623.42	21.82	21.18	-167.20	-51.32	-1,028.61	1,644.30	1,602.26	42.04	39.110		
4,800.00	4,750.48	4,752.29	4,711.73	22.29	21.52	-167.24	-49.65	-1,028.75	1,659.04	1,616.22	42.82	38.743		
4,900.00	4,849.30	4,857.32	4,816.72	22.76	21.93	-167.29	-47.42	-1,029.34	1,674.13	1,630.44	43.69	38.319		
5,000.00	4,948.13	4,982.59	4,941.98	23.22	22.41	-167.37	-45.37	-1,028.42	1,688.05	1,643.39	44.66	37.798		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,094.76	5,054.10	23.69	22.85	-167.45	-43.59	-1,025.94	1,700.51	1,654.95	45.56	37.322		
5,200.00	5,145.77	5,178.91	5,138.23	24.16	23.18	-167.53	-42.79	-1,024.27	1,713.34	1,667.01	46.34	36.977		
5,300.00	5,244.59	5,263.05	5,222.36	24.62	23.51	-167.62	-42.38	-1,023.18	1,726.95	1,679.84	47.11	36.661		
5,400.00	5,343.42	5,339.83	5,299.15	25.09	23.82	-167.69	-42.00	-1,023.17	1,741.77	1,693.93	47.83	36.414		
5,500.00	5,442.24	5,516.10	5,475.33	25.56	24.54	-167.96	-43.81	-1,019.31	1,754.69	1,705.60	49.09	35.748		
5,600.00	5,541.06	5,603.78	5,562.90	26.03	24.90	-168.15	-46.08	-1,015.62	1,766.07	1,716.17	49.90	35.394		
5,700.00	5,639.89	5,675.11	5,634.20	26.50	25.19	-168.26	-46.78	-1,013.63	1,778.53	1,727.92	50.62	35.137		
5,800.00	5,738.71	5,764.40	5,723.48	26.96	25.54	-168.32	-45.73	-1,012.61	1,792.17	1,740.75	51.42	34.856		
5,900.00	5,837.53	5,848.20	5,807.25	27.43	25.88	-168.34	-43.76	-1,012.28	1,806.31	1,754.13	52.18	34.616		
6,000.00	5,936.35	5,916.66	5,875.65	27.90	26.15	-168.32	-40.99	-1,013.08	1,821.66	1,768.81	52.85	34.469		
6,100.00	6,035.18	5,996.51	5,955.35	28.37	26.46	-168.25	-36.89	-1,015.76	1,838.78	1,785.20	53.57	34.323		
6,200.00	6,134.00	6,155.51	6,114.18	28.84	27.10	-168.20	-30.74	-1,018.38	1,854.66	1,799.88	54.77	33.860		
6,300.00	6,232.82	6,251.26	6,209.93	29.31	27.49	-168.28	-30.08	-1,017.57	1,868.69	1,813.08	55.61	33.602		
6,400.00	6,331.64	6,334.53	6,293.19	29.77	27.83	-168.35	-29.61	-1,017.44	1,883.40	1,827.02	56.38	33.406		
6,477.15	6,407.89	6,406.75	6,365.40	30.14	28.12	-168.38	-28.52	-1,017.80	1,895.10	1,838.09	57.02	33.239		
6,500.00	6,430.52	6,428.37	6,387.01	30.24	28.21	-162.11	-28.05	-1,017.97	1,898.20	1,841.00	57.20	33.184		
6,550.00	6,480.31	6,475.95	6,434.58	30.46	28.41	-126.71	-26.82	-1,018.42	1,902.22	1,844.61	57.61	33.020		
6,600.00	6,530.22	6,535.98	6,494.58	30.66	28.65	-58.44	-25.20	-1,018.94	1,902.33	1,844.26	58.07	32.758		
6,650.00	6,579.93	6,599.91	6,558.50	30.85	28.91	-33.92	-24.37	-1,018.80	1,898.19	1,839.64	58.54	32.424		
6,700.00	6,629.13	6,656.90	6,615.49	31.04	29.15	-25.79	-24.26	-1,018.23	1,889.95	1,830.99	58.96	32.056		
6,750.00	6,677.53	6,696.52	6,655.11	31.23	29.31	-22.11	-24.40	-1,017.73	1,877.89	1,818.63	59.26	31.688		
6,800.00	6,724.83	6,728.97	6,687.55	31.43	29.44	-20.18	-24.38	-1,017.61	1,862.50	1,802.99	59.51	31.296		
6,850.00	6,770.73	6,762.00	6,720.59	31.63	29.58	-19.18	-24.22	-1,017.78	1,843.87	1,784.12	59.75	30.860		
6,900.00	6,814.95	6,810.64	6,769.22	31.84	29.78	-18.84	-23.80	-1,018.20	1,821.87	1,761.80	60.07	30.329		
6,950.00	6,857.22	6,859.11	6,817.69	32.06	29.98	-18.96	-23.22	-1,018.49	1,796.37	1,735.99	60.38	29.752		
7,000.00	6,897.28	6,892.20	6,850.78	32.29	30.12	-19.38	-22.95	-1,018.69	1,767.72	1,707.14	60.58	29.178		
7,050.00	6,934.88	6,924.77	6,883.35	32.54	30.26	-20.18	-22.89	-1,018.93	1,736.19	1,675.41	60.78	28.566		
7,100.00	6,969.79	6,955.68	6,914.25	32.81	30.38	-21.38	-23.01	-1,019.21	1,701.96	1,641.01	60.96	27.921		
7,150.00	7,001.79	6,984.94	6,943.52	33.11	30.51	-23.04	-23.14	-1,019.54	1,665.22	1,604.10	61.12	27.244		
7,200.00	7,030.69	7,011.58	6,970.15	33.44	30.62	-25.25	-23.24	-1,019.89	1,626.18	1,564.91	61.27	26.541		
7,250.00	7,056.31	7,036.28	6,994.84	33.81	30.72	-28.21	-23.30	-1,020.26	1,585.07	1,523.66	61.41	25.812		
7,300.00	7,078.48	7,060.42	7,018.99	34.21	30.82	-32.23	-23.30	-1,020.63	1,542.10	1,480.55	61.55	25.055		
7,350.00	7,097.08	7,080.82	7,039.39	34.65	30.91	-37.62	-23.24	-1,020.95	1,497.55	1,435.87	61.67	24.282		
7,400.00	7,112.00	7,097.36	7,055.92	35.12	30.98	-44.88	-23.14	-1,021.21	1,451.70	1,389.91	61.79	23.496		
7,450.00	7,123.12	7,109.91	7,068.47	35.64	31.03	-54.60	-23.03	-1,021.41	1,404.86	1,342.97	61.89	22.700		
7,500.00	7,130.40	7,118.41	7,076.97	36.19	31.07	-67.14	-22.95	-1,021.55	1,357.32	1,295.34	61.98	21.898		
7,550.00	7,133.78	7,122.80	7,081.36	36.77	31.08	-81.98	-22.90	-1,021.62	1,309.41	1,247.34	62.07	21.094		
7,574.97	7,134.00	7,123.45	7,082.00	37.06	31.09	-89.72	-22.90	-1,021.63	1,285.44	1,223.32	62.12	20.693		
7,600.00	7,133.73	7,123.57	7,082.13	37.37	31.09	-89.74	-22.90	-1,021.63	1,261.44	1,199.27	62.17	20.291		
7,700.00	7,132.66	7,124.09	7,082.64	38.71	31.09	-89.82	-22.89	-1,021.64	1,165.96	1,103.56	62.41	18.683		
7,800.00	7,131.59	7,124.60	7,083.15	40.20	31.09	-89.90	-22.88	-1,021.65	1,071.31	1,008.56	62.76	17.071		
7,900.00	7,130.52	7,125.11	7,083.67	41.84	31.09	-89.98	-22.88	-1,021.65	977.73	914.48	63.26	15.457		
8,000.00	7,129.45	7,125.62	7,084.18	43.60	31.10	-90.06	-22.87	-1,021.66	885.55	821.58	63.98	13.842		
8,100.00	7,128.38	7,126.13	7,084.69	45.47	31.10	-90.14	-22.87	-1,021.67	795.26	730.25	65.02	12.232		
8,200.00	7,127.31	7,126.65	7,085.20	47.44	31.10	-90.22	-22.86	-1,021.68	707.59	641.07	66.52	10.637		
8,300.00	7,126.24	7,127.16	7,085.71	49.49	31.10	-90.30	-22.86	-1,021.69	623.64	554.95	68.69	9.079		
8,400.00	7,125.17	7,127.67	7,086.22	51.61	31.10	-90.39	-22.85	-1,021.70	545.13	473.36	71.77	7.595		
8,500.00	7,124.10	7,128.18	7,086.74	53.81	31.11	-90.47	-22.84	-1,021.70	474.77	398.77	76.00	6.247		
8,600.00	7,123.03	7,128.69	7,087.25	56.06	31.11	-90.55	-22.84	-1,021.71	416.71	335.37	81.34	5.123		
8,700.00	7,121.96	7,129.21	7,087.76	58.36	31.11	-90.63	-22.83	-1,021.72	376.68	289.69	86.99	4.330		
8,800.00	7,120.89	7,129.72	7,088.27	60.71	31.11	-90.71	-22.83	-1,021.73	360.73	269.55	91.18	3.956		
8,808.81	7,120.79	7,129.76	7,088.32	60.92	31.11	-90.72	-22.82	-1,021.73	360.62	269.20	91.42	3.945 CC, ES, SF		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,130.23	7,088.78	63.10	31.12	-90.79	-22.82	-1,021.74	371.97	279.69	92.28	4.031		
9,000.00	7,118.75	7,130.74	7,089.30	65.53	31.12	-90.87	-22.81	-1,021.74	408.17	317.68	90.49	4.511		
9,100.00	7,117.68	7,131.25	7,089.81	67.98	31.12	-90.96	-22.81	-1,021.75	463.51	376.22	87.29	5.310		
9,200.00	7,116.61	7,131.77	7,090.32	70.47	31.12	-91.04	-22.80	-1,021.76	532.05	448.12	83.93	6.339		
9,300.00	7,115.54	7,132.28	7,090.83	72.98	31.12	-91.12	-22.79	-1,021.77	609.35	528.39	80.96	7.526		
9,400.00	7,114.47	7,132.79	7,091.34	75.52	31.13	-91.20	-22.79	-1,021.78	692.49	613.99	78.50	8.821		
9,500.00	7,113.40	7,132.15	7,090.70	78.08	31.12	-91.10	-22.81	-1,021.76	779.61	703.10	76.51	10.190		
9,600.00	7,112.33	7,132.57	7,091.12	80.65	31.13	-91.16	-22.80	-1,021.77	869.50	794.60	74.90	11.608		
9,700.00	7,111.26	7,132.98	7,091.53	83.25	31.13	-91.23	-22.80	-1,021.78	961.39	887.78	73.60	13.061		
9,800.00	7,110.19	7,133.39	7,091.94	85.86	31.13	-91.29	-22.79	-1,021.78	1,054.75	982.21	72.54	14.539		
9,900.00	7,109.12	7,133.80	7,092.35	88.48	31.13	-91.36	-22.79	-1,021.79	1,149.23	1,077.56	71.67	16.035		
10,000.00	7,108.04	7,134.20	7,092.75	91.12	31.13	-91.42	-22.79	-1,021.80	1,244.58	1,173.63	70.95	17.543		
10,100.00	7,106.97	7,134.60	7,093.15	93.77	31.13	-91.49	-22.78	-1,021.80	1,340.60	1,270.26	70.34	19.060		
10,200.00	7,105.90	7,135.00	7,093.55	96.43	31.14	-91.55	-22.78	-1,021.81	1,437.17	1,367.34	69.82	20.583		
10,300.00	7,104.83	7,135.39	7,093.94	99.10	31.14	-91.61	-22.77	-1,021.81	1,534.17	1,464.78	69.39	22.110		
10,400.00	7,103.76	7,135.78	7,094.33	101.78	31.14	-91.67	-22.77	-1,021.82	1,631.54	1,562.52	69.01	23.641		
10,500.00	7,102.69	7,136.17	7,094.72	104.47	31.14	-91.74	-22.77	-1,021.83	1,729.20	1,660.51	68.69	25.174		
10,600.00	7,101.62	7,136.55	7,095.11	107.16	31.14	-91.80	-22.76	-1,021.83	1,827.12	1,758.71	68.41	26.708		
10,700.00	7,100.55	7,136.94	7,095.49	109.87	31.14	-91.86	-22.76	-1,021.84	1,925.26	1,857.09	68.17	28.242		
10,800.00	7,099.48	7,137.31	7,095.87	112.58	31.14	-91.92	-22.75	-1,021.84	2,023.57	1,955.61	67.96	29.777		
10,900.00	7,098.41	7,137.69	7,096.24	115.29	31.15	-91.98	-22.75	-1,021.85	2,122.05	2,054.27	67.77	31.311		
11,000.00	7,097.34	7,138.06	7,096.62	118.02	31.15	-92.04	-22.75	-1,021.85	2,220.66	2,153.04	67.61	32.844		
11,100.00	7,096.27	7,138.43	7,096.99	120.74	31.15	-92.10	-22.74	-1,021.86	2,319.38	2,251.91	67.47	34.376		
11,200.00	7,095.20	7,138.80	7,097.35	123.48	31.15	-92.15	-22.74	-1,021.87	2,418.22	2,350.87	67.35	35.906		
11,300.00	7,094.13	7,139.16	7,097.72	126.22	31.15	-92.21	-22.74	-1,021.87	2,517.14	2,449.90	67.24	37.435		
11,400.00	7,093.06	7,139.53	7,098.08	128.96	31.15	-92.27	-22.73	-1,021.88	2,616.15	2,549.00	67.15	38.962		
11,500.00	7,091.99	7,139.88	7,098.44	131.71	31.16	-92.33	-22.73	-1,021.88	2,715.23	2,648.16	67.06	40.487		
11,600.00	7,090.92	7,140.24	7,098.79	134.46	31.16	-92.38	-22.73	-1,021.89	2,814.37	2,747.38	66.99	42.010		
11,700.00	7,089.85	7,140.59	7,099.15	137.21	31.16	-92.44	-22.72	-1,021.89	2,913.58	2,846.64	66.93	43.531		
11,800.00	7,088.78	7,140.95	7,099.50	139.97	31.16	-92.49	-22.72	-1,021.90	3,012.83	2,945.95	66.88	45.049		
11,900.00	7,087.71	7,141.29	7,099.85	142.73	31.16	-92.55	-22.72	-1,021.90	3,112.13	3,045.30	66.83	46.565		
12,000.00	7,086.64	7,141.64	7,100.19	145.50	31.16	-92.60	-22.71	-1,021.91	3,211.48	3,144.68	66.80	48.078		
12,100.00	7,085.57	7,141.98	7,100.53	148.26	31.16	-92.66	-22.71	-1,021.91	3,310.87	3,244.10	66.77	49.589		
12,200.00	7,084.50	7,142.32	7,100.87	151.03	31.17	-92.71	-22.71	-1,021.92	3,410.29	3,343.55	66.74	51.096		
12,300.00	7,083.43	7,142.66	7,101.21	153.81	31.17	-92.77	-22.70	-1,021.92	3,509.74	3,443.02	66.72	52.601		
12,400.00	7,082.36	7,143.00	7,101.55	156.58	31.17	-92.82	-22.70	-1,021.93	3,609.23	3,542.52	66.71	54.103		
12,500.00	7,081.29	7,143.33	7,101.88	159.36	31.17	-92.87	-22.70	-1,021.93	3,708.74	3,642.04	66.70	55.601		
12,600.00	7,080.22	7,143.66	7,102.21	162.14	31.17	-92.93	-22.69	-1,021.94	3,808.28	3,741.58	66.70	57.097		
12,700.00	7,079.15	7,143.99	7,102.54	164.92	31.17	-92.98	-22.69	-1,021.94	3,907.84	3,841.14	66.70	58.589		
12,800.00	7,078.08	7,144.31	7,102.87	167.71	31.17	-93.03	-22.69	-1,021.95	4,007.42	3,940.72	66.70	60.079		
12,900.00	7,077.01	7,144.64	7,103.19	170.49	31.18	-93.08	-22.68	-1,021.95	4,107.03	4,040.31	66.71	61.564		
13,000.00	7,075.93	7,144.96	7,103.51	173.28	31.18	-93.13	-22.68	-1,021.96	4,206.65	4,139.93	66.72	63.047		
13,100.00	7,074.86	7,145.28	7,103.83	176.07	31.18	-93.18	-22.68	-1,021.96	4,306.29	4,239.55	66.74	64.526		
13,200.00	7,073.79	7,145.60	7,104.15	178.86	31.18	-93.23	-22.67	-1,021.97	4,405.94	4,339.19	66.76	66.001		
13,300.00	7,072.72	7,145.91	7,104.46	181.65	31.18	-93.28	-22.67	-1,021.97	4,505.61	4,438.84	66.78	67.473		
13,400.00	7,071.65	7,146.22	7,104.77	184.45	31.18	-93.33	-22.67	-1,021.98	4,605.30	4,538.50	66.80	68.941		
13,500.00	7,070.58	7,146.53	7,105.08	187.25	31.18	-93.38	-22.66	-1,021.98	4,705.00	4,638.17	66.83	70.406		
13,600.00	7,069.51	7,146.84	7,105.39	190.04	31.18	-93.43	-22.66	-1,021.99	4,804.71	4,737.85	66.86	71.867		
13,700.00	7,068.44	7,147.15	7,105.70	192.84	31.19	-93.48	-22.66	-1,021.99	4,904.43	4,837.55	66.89	73.324		
13,800.00	7,067.37	7,147.45	7,106.00	195.64	31.19	-93.53	-22.66	-1,021.99	5,004.17	4,937.25	66.92	74.777		
13,900.00	7,066.30	7,147.75	7,106.30	198.44	31.19	-93.57	-22.65	-1,022.00	5,103.91	5,036.95	66.96	76.227		
14,000.00	7,065.23	7,148.05	7,106.60	201.24	31.19	-93.62	-22.65	-1,022.00	5,203.67	5,136.67	67.00	77.672		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	7,148.35	7,106.90	204.05	31.19	-93.67	-22.65	-1,022.01	5,303.43	5,236.39	67.04	79.114		
14,200.00	7,063.09	7,148.64	7,107.19	206.85	31.19	-93.72	-22.64	-1,022.01	5,403.20	5,336.12	67.08	80.551		
14,300.00	7,062.02	7,148.94	7,107.49	209.66	31.19	-93.76	-22.64	-1,022.02	5,502.98	5,435.86	67.12	81.985		
14,400.00	7,060.95	7,149.23	7,107.78	212.46	31.19	-93.81	-22.64	-1,022.02	5,602.77	5,535.60	67.17	83.414		
14,500.00	7,059.88	7,149.52	7,108.07	215.27	31.20	-93.85	-22.64	-1,022.03	5,702.57	5,635.35	67.22	84.839		
14,600.00	7,058.81	7,149.80	7,108.36	218.08	31.20	-93.90	-22.63	-1,022.03	5,802.37	5,735.10	67.27	86.260		
14,700.00	7,057.74	7,150.09	7,108.64	220.89	31.20	-93.94	-22.63	-1,022.03	5,902.18	5,834.86	67.32	87.677		
14,800.00	7,056.67	7,150.37	7,108.92	223.70	31.20	-93.99	-22.63	-1,022.04	6,001.99	5,934.62	67.37	89.090		
14,900.00	7,055.60	7,150.65	7,109.21	226.51	31.20	-94.03	-22.62	-1,022.04	6,101.81	6,034.39	67.42	90.498		
15,000.00	7,054.53	7,150.93	7,109.49	229.32	31.20	-94.08	-22.62	-1,022.05	6,201.64	6,134.16	67.48	91.902		
15,100.00	7,053.46	7,151.21	7,109.76	232.14	31.20	-94.12	-22.62	-1,022.05	6,301.48	6,233.94	67.54	93.302		
15,200.00	7,052.39	7,151.49	7,110.04	234.95	31.20	-94.17	-22.62	-1,022.05	6,401.31	6,333.72	67.60	94.698		
15,300.00	7,051.32	7,151.76	7,110.31	237.76	31.21	-94.21	-22.61	-1,022.06	6,501.16	6,433.50	67.66	96.089		
15,400.00	7,050.25	7,152.04	7,110.59	240.58	31.21	-94.25	-22.61	-1,022.06	6,601.00	6,533.28	67.72	97.475		
15,500.00	7,049.18	7,152.31	7,110.86	243.39	31.21	-94.29	-22.61	-1,022.07	6,700.86	6,633.07	67.78	98.857		
15,600.00	7,048.11	7,152.57	7,111.13	246.21	31.21	-94.34	-22.61	-1,022.07	6,800.71	6,732.87	67.85	100.235		
15,703.32	7,047.00	7,152.85	7,111.40	249.12	31.21	-94.38	-22.60	-1,022.07	6,903.89	6,835.97	67.92	101.654		
15,703.90	7,046.99	7,152.85	7,111.40	249.13	31.21	-94.38	-22.60	-1,022.07	6,904.47	6,836.55	67.92	101.662		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-76.26	227.35	-929.76	957.87					
100.00	100.00	57.70	57.70	3.28	3.29	-76.26	227.37	-929.88	957.28	950.71	6.57	145.654		
200.00	200.00	146.40	146.40	3.34	3.34	-76.26	227.53	-930.88	958.43	951.75	6.68	143.563		
300.00	300.00	271.21	271.19	3.44	3.47	-76.30	227.23	-931.88	959.22	952.30	6.92	138.646		
400.00	399.98	444.43	444.20	3.60	3.78	-143.24	223.09	-925.40	956.76	949.33	7.43	128.759		
500.00	499.84	597.85	596.52	3.80	4.17	-143.92	214.25	-909.62	949.58	941.51	8.07	117.690		
600.00	599.45	756.51	752.53	4.05	4.73	-145.05	200.03	-884.68	939.17	930.32	8.86	106.025		
700.00	698.70	859.48	853.02	4.32	5.17	-146.04	188.88	-865.14	928.24	918.79	9.45	98.177		
740.00	738.27	896.38	889.05	4.45	5.34	-146.42	184.96	-858.26	924.88	915.19	9.69	95.420		
800.00	797.57	974.19	964.89	4.63	5.72	-147.18	176.52	-843.04	919.72	909.54	10.18	90.373		
900.00	896.39	1,095.51	1,082.41	4.96	6.37	-148.38	162.93	-816.17	908.57	897.59	10.98	82.711		
1,000.00	995.21	1,195.85	1,179.56	5.32	6.95	-149.32	152.80	-793.21	897.26	885.53	11.73	76.504		
1,100.00	1,094.03	1,301.31	1,281.24	5.69	7.59	-150.39	141.07	-767.81	884.79	872.25	12.54	70.581		
1,200.00	1,192.86	1,404.17	1,380.25	6.07	8.25	-151.58	127.94	-743.22	872.60	859.23	13.37	65.250		
1,300.00	1,291.68	1,487.29	1,460.14	6.47	8.79	-152.64	116.19	-723.53	860.86	846.71	14.16	60.801		
1,400.00	1,390.50	1,574.84	1,544.45	6.88	9.37	-153.90	102.20	-704.58	851.37	836.36	15.01	56.730		
1,500.00	1,489.33	1,662.06	1,628.12	7.29	9.96	-155.38	85.27	-686.68	843.32	827.41	15.91	53.013		
1,600.00	1,588.15	1,750.86	1,712.77	7.71	10.58	-157.15	64.50	-669.71	837.22	820.34	16.88	49.599		
1,700.00	1,686.97	1,838.17	1,795.51	8.14	11.20	-159.07	41.67	-653.73	832.89	814.99	17.90	46.521		
1,800.00	1,785.79	1,936.33	1,887.87	8.57	11.93	-161.42	13.40	-636.27	830.37	811.30	19.07	43.541		
1,900.00	1,884.62	2,034.99	1,979.32	9.01	12.71	-164.04	-18.60	-617.69	828.54	808.20	20.34	40.736		
1,961.09	1,944.99	2,091.19	2,030.73	9.28	13.19	-165.66	-38.50	-606.80	828.15	807.02	21.13	39.186 CC		
2,000.00	1,983.44	2,126.30	2,062.67	9.45	13.49	-166.70	-51.39	-599.95	828.32	806.68	21.64	38.270		
2,100.00	2,082.26	2,231.25	2,157.87	9.89	14.42	-169.82	-90.08	-578.64	829.60	806.46	23.14	35.850 ES		
2,200.00	2,181.09	2,317.08	2,236.01	10.33	15.20	-172.31	-120.89	-560.95	832.62	808.14	24.47	34.022		
2,300.00	2,279.91	2,420.04	2,330.02	10.78	16.14	-175.21	-156.55	-538.84	836.62	810.63	25.99	32.194		
2,400.00	2,378.73	2,491.76	2,395.70	11.23	16.79	-177.18	-181.34	-524.21	843.57	816.41	27.17	31.050		
2,500.00	2,477.55	2,586.44	2,482.72	11.68	17.64	-179.72	-213.85	-505.89	853.25	824.67	28.58	29.853		
2,600.00	2,576.38	2,674.88	2,563.09	12.13	18.48	-177.83	-246.04	-487.85	864.62	834.66	29.96	28.858		
2,700.00	2,675.20	2,749.40	2,629.25	12.59	19.24	-175.59	-276.39	-471.95	879.01	847.81	31.19	28.180		
2,800.00	2,774.02	2,830.56	2,700.19	13.04	20.10	-173.08	-311.75	-454.50	896.77	864.25	32.52	27.575		
2,900.00	2,872.85	2,934.53	2,792.15	13.50	21.18	-170.10	-355.09	-432.82	916.45	882.32	34.13	26.850		
3,000.00	2,971.67	3,013.79	2,863.17	13.96	21.97	-168.02	-386.54	-417.00	937.68	902.38	35.31	26.558		
3,100.00	3,070.49	3,086.39	2,927.99	14.41	22.71	-166.17	-416.10	-403.04	961.73	925.39	36.35	26.461		
3,200.00	3,169.31	3,192.72	3,023.14	14.87	23.78	-163.59	-459.23	-383.25	987.78	949.91	37.87	26.084		
3,300.00	3,268.14	3,310.53	3,130.60	15.33	24.92	-161.12	-502.23	-361.35	1,012.64	973.15	39.48	25.647		
3,400.00	3,366.96	3,405.95	3,217.93	15.79	25.83	-159.23	-535.68	-342.37	1,036.85	996.11	40.74	25.451		
3,500.00	3,465.78	3,496.28	3,301.06	16.25	26.67	-157.58	-566.92	-325.85	1,062.78	1,020.89	41.89	25.369		
3,600.00	3,564.61	3,597.10	3,394.36	16.72	27.60	-155.88	-600.20	-307.11	1,088.29	1,045.12	43.17	25.212		
3,700.00	3,663.43	3,671.25	3,462.64	17.18	28.30	-154.64	-625.53	-293.13	1,115.32	1,071.26	44.05	25.317		
3,800.00	3,762.25	3,742.80	3,528.00	17.64	28.98	-153.45	-651.51	-280.06	1,144.95	1,100.08	44.88	25.512		
3,900.00	3,861.07	3,853.65	3,630.13	18.10	30.02	-151.80	-690.19	-261.07	1,174.92	1,128.66	46.26	25.397		
4,000.00	3,959.90	3,934.96	3,705.26	18.57	30.77	-150.66	-717.98	-247.13	1,205.03	1,157.83	47.20	25.533		
4,100.00	4,058.72	3,999.00	3,763.64	19.03	31.39	-149.72	-741.72	-235.80	1,237.58	1,189.73	47.85	25.862		
4,200.00	4,157.54	4,073.40	3,830.69	19.50	32.14	-148.61	-770.99	-222.28	1,272.32	1,223.65	48.67	26.139		
4,300.00	4,256.37	4,153.42	3,902.43	19.96	32.97	-147.44	-803.22	-207.54	1,308.36	1,258.79	49.58	26.391		
4,400.00	4,355.19	4,280.63	4,016.31	20.43	34.30	-145.62	-853.99	-182.34	1,344.15	1,292.90	51.25	26.226		
4,500.00	4,454.01	4,363.76	4,091.03	20.89	35.16	-144.51	-886.27	-165.44	1,379.39	1,327.19	52.21	26.422		
4,600.00	4,552.83	4,454.64	4,172.45	21.36	36.12	-143.32	-921.90	-146.49	1,415.29	1,362.02	53.27	26.568		
4,700.00	4,651.66	4,522.91	4,233.26	21.82	36.86	-142.44	-949.34	-132.00	1,452.40	1,398.43	53.97	26.911		
4,800.00	4,750.48	4,617.49	4,317.53	22.29	37.87	-141.28	-987.62	-112.53	1,490.51	1,435.42	55.09	27.056		
4,900.00	4,849.30	4,685.16	4,377.71	22.76	38.61	-140.49	-1,015.22	-98.52	1,529.34	1,473.58	55.76	27.425		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,948.13	4,804.11	4,482.70	23.22	39.92	139.08	-1,064.68	-72.51	1,569.06	1,511.77	57.28	27.391		
5,100.00	5,046.95	4,948.65	4,612.76	23.69	41.44	137.58	-1,119.05	-40.62	1,605.18	1,546.03	59.15	27.138		
5,200.00	5,145.77	5,028.63	4,685.31	24.16	42.25	136.84	-1,148.15	-23.68	1,641.24	1,581.23	60.00	27.352		
5,300.00	5,244.59	5,096.28	4,746.81	24.62	42.94	136.26	-1,173.03	-10.49	1,678.52	1,617.85	60.67	27.666		
5,400.00	5,343.42	5,157.00	4,801.51	25.09	43.57	135.74	-1,196.49	1.53	1,717.57	1,656.36	61.21	28.059		
5,500.00	5,442.24	5,513.51	5,132.80	25.56	46.78	133.53	-1,310.66	63.48	1,754.83	1,689.28	65.55	26.772		
5,600.00	5,541.06	5,639.95	5,255.66	26.03	47.61	133.22	-1,336.37	78.63	1,780.17	1,713.41	66.75	26.668		
5,700.00	5,639.89	5,763.53	5,376.56	26.50	48.34	133.02	-1,358.41	91.58	1,803.65	1,735.76	67.89	26.568		
5,800.00	5,738.71	5,930.53	5,541.35	26.96	49.18	133.00	-1,382.79	103.05	1,825.83	1,756.59	69.24	26.369		
5,900.00	5,837.53	6,084.84	5,694.84	27.43	49.81	133.18	-1,396.97	110.08	1,843.23	1,772.84	70.39	26.186		
6,000.00	5,936.35	6,251.10	5,860.80	27.90	50.36	133.53	-1,405.42	114.71	1,857.49	1,786.02	71.47	25.988		
6,100.00	6,035.18	6,381.36	5,991.03	28.37	50.70	133.92	-1,407.44	115.86	1,869.24	1,796.87	72.37	25.830		
6,200.00	6,134.00	6,504.63	6,114.29	28.84	50.95	134.37	-1,406.79	115.08	1,879.69	1,806.49	73.20	25.677		
6,300.00	6,232.82	6,619.27	6,228.88	29.31	51.15	134.84	-1,404.23	112.83	1,889.14	1,815.14	74.00	25.529		
6,400.00	6,331.64	6,715.29	6,324.81	29.77	51.30	135.27	-1,401.16	110.01	1,898.18	1,823.40	74.78	25.385		
6,477.15	6,407.89	6,775.02	6,384.48	30.14	51.40	135.54	-1,399.48	107.85	1,905.69	1,830.33	75.36	25.288		
6,500.00	6,430.52	6,789.72	6,399.17	30.24	51.43	142.02	-1,399.20	107.38	1,907.92	1,832.40	75.52	25.263		
6,550.00	6,480.31	6,822.16	6,431.60	30.46	51.49	177.77	-1,398.92	106.57	1,911.96	1,836.12	75.84	25.211		
6,600.00	6,530.22	6,856.51	6,465.94	30.66	51.56	-113.70	-1,399.11	106.06	1,914.83	1,838.72	76.11	25.160		
6,650.00	6,579.93	6,923.43	6,532.86	30.85	51.71	-89.09	-1,399.43	105.12	1,916.02	1,839.61	76.41	25.074		
6,700.00	6,629.13	6,967.03	6,576.45	31.04	51.80	-80.93	-1,399.33	104.33	1,915.36	1,838.72	76.64	24.992		
6,750.00	6,677.53	7,000.56	6,609.97	31.23	51.87	-77.29	-1,399.52	103.75	1,913.48	1,836.67	76.81	24.912		
6,800.00	6,724.83	7,030.00	6,639.41	31.43	51.94	-75.48	-1,399.94	103.25	1,910.47	1,833.54	76.93	24.833		
6,850.00	6,770.73	7,068.51	6,677.90	31.63	52.05	-74.76	-1,400.85	102.83	1,906.36	1,829.29	77.07	24.735		
6,900.00	6,814.95	7,101.77	6,711.14	31.84	52.14	-74.61	-1,401.99	102.80	1,901.24	1,824.08	77.16	24.639		
6,950.00	6,857.22	7,144.01	6,753.35	32.06	52.26	-75.06	-1,403.73	103.05	1,895.18	1,817.92	77.26	24.530		
7,000.00	6,897.28	7,201.20	6,810.51	32.29	52.42	-76.13	-1,405.45	102.62	1,887.91	1,810.51	77.39	24.393		
7,050.00	6,934.88	7,252.91	6,862.20	32.54	52.54	-77.42	-1,406.30	101.45	1,879.52	1,802.03	77.48	24.257		
7,100.00	6,969.79	7,303.24	6,912.50	32.81	52.65	-78.95	-1,406.62	99.87	1,870.28	1,792.72	77.55	24.116		
7,150.00	7,001.79	7,375.12	6,984.29	33.11	52.79	-81.21	-1,405.67	96.46	1,860.16	1,782.52	77.64	23.960		
7,200.00	7,030.69	7,411.76	7,020.85	33.44	52.86	-82.84	-1,404.59	94.40	1,849.45	1,771.78	77.67	23.811		
7,250.00	7,056.31	7,437.46	7,046.53	33.81	52.90	-84.30	-1,403.96	93.44	1,838.86	1,761.15	77.70	23.666		
7,300.00	7,078.48	7,458.77	7,067.83	34.21	52.94	-85.69	-1,403.54	92.97	1,828.61	1,750.87	77.73	23.524		
7,350.00	7,097.08	7,476.27	7,085.33	34.65	52.98	-86.98	-1,403.26	92.81	1,818.92	1,741.14	77.78	23.386		
7,400.00	7,112.00	7,493.24	7,102.30	35.12	53.01	-88.23	-1,402.99	92.68	1,809.97	1,732.12	77.84	23.252		
7,450.00	7,123.12	7,506.38	7,115.43	35.64	53.04	-89.31	-1,402.76	92.53	1,801.89	1,723.97	77.92	23.125		
7,500.00	7,130.40	7,515.44	7,124.49	36.19	53.06	-90.20	-1,402.59	92.40	1,794.84	1,716.83	78.01	23.007		
7,550.00	7,133.78	7,520.21	7,129.26	36.77	53.07	-90.87	-1,402.50	92.33	1,788.92	1,710.81	78.12	22.901		
7,574.97	7,134.00	7,520.92	7,129.97	37.06	53.07	-91.12	-1,402.49	92.32	1,786.42	1,708.25	78.17	22.853		
7,600.00	7,133.73	7,521.07	7,130.12	37.37	53.07	-91.12	-1,402.48	92.32	1,784.24	1,706.01	78.23	22.807		
7,700.00	7,132.66	7,521.67	7,130.72	38.71	53.07	-91.14	-1,402.47	92.31	1,779.02	1,700.43	78.58	22.638		
7,743.03	7,132.20	7,521.94	7,130.98	39.35	53.07	-91.15	-1,402.47	92.30	1,778.50	1,699.70	78.80	22.570		
7,800.00	7,131.59	7,522.30	7,131.35	40.20	53.07	-91.16	-1,402.46	92.30	1,779.41	1,700.33	79.08	22.500		
7,900.00	7,130.52	7,522.98	7,132.02	41.84	53.07	-91.19	-1,402.45	92.28	1,785.41	1,705.70	79.72	22.397		
8,000.00	7,129.45	7,523.70	7,132.74	43.60	53.07	-91.21	-1,402.43	92.27	1,796.97	1,716.50	80.46	22.333		
8,100.00	7,128.38	7,524.46	7,133.50	45.47	53.07	-91.23	-1,402.42	92.26	1,813.97	1,732.66	81.30	22.311 SF		
8,200.00	7,127.31	7,525.27	7,134.32	47.44	53.08	-91.26	-1,402.40	92.25	1,836.27	1,754.04	82.22	22.332		
8,300.00	7,126.24	7,526.15	7,135.19	49.49	53.08	-91.29	-1,402.38	92.23	1,863.67	1,780.46	83.21	22.397		
8,400.00	7,125.17	7,527.08	7,136.13	51.61	53.08	-91.32	-1,402.36	92.21	1,895.96	1,811.71	84.24	22.506		
8,500.00	7,124.10	7,528.09	7,137.13	53.81	53.08	-91.35	-1,402.34	92.20	1,932.88	1,847.57	85.31	22.657		
8,600.00	7,123.03	7,529.17	7,138.21	56.06	53.08	-91.39	-1,402.32	92.18	1,974.19	1,887.79	86.40	22.850		
8,700.00	7,121.96	7,530.34	7,139.38	58.36	53.09	-91.42	-1,402.30	92.15	2,019.61	1,932.11	87.49	23.083		

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 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,120.89	7,531.61	7,140.65	60.71	53.09	-91.46	-1,402.27	92.13	2,068.86	1,980.28	88.58	23.356		
8,900.00	7,119.82	7,532.99	7,142.04	63.10	53.09	-91.51	-1,402.24	92.10	2,121.69	2,032.04	89.65	23.666		
9,000.00	7,118.75	7,534.50	7,143.55	65.53	53.10	-91.56	-1,402.21	92.08	2,177.83	2,087.14	90.70	24.013		
9,100.00	7,117.68	7,536.16	7,145.20	67.98	53.10	-91.61	-1,402.18	92.04	2,237.04	2,145.33	91.71	24.394		
9,200.00	7,116.61	7,537.99	7,147.03	70.47	53.10	-91.67	-1,402.14	92.01	2,299.07	2,206.39	92.68	24.807		
9,300.00	7,115.54	7,540.01	7,149.05	72.98	53.11	-91.73	-1,402.10	91.96	2,363.70	2,270.09	93.61	25.252		
9,400.00	7,114.47	7,542.26	7,151.30	75.52	53.11	-91.81	-1,402.05	91.92	2,430.73	2,336.24	94.49	25.725		
9,500.00	7,113.40	7,544.78	7,153.81	78.08	53.12	-91.89	-1,401.99	91.86	2,499.96	2,404.64	95.32	26.226		
9,600.00	7,112.33	7,547.62	7,156.65	80.65	53.12	-91.98	-1,401.93	91.80	2,571.22	2,475.11	96.11	26.753		
9,700.00	7,111.26	7,550.85	7,159.88	83.25	53.13	-92.08	-1,401.86	91.72	2,644.33	2,547.48	96.85	27.303		
9,800.00	7,110.19	7,554.55	7,163.58	85.86	53.14	-92.20	-1,401.78	91.63	2,719.16	2,621.61	97.55	27.875		
9,900.00	7,109.12	7,558.84	7,167.87	88.48	53.14	-92.34	-1,401.68	91.53	2,795.56	2,697.36	98.20	28.468		
10,000.00	7,108.04	7,563.86	7,172.89	91.12	53.15	-92.50	-1,401.56	91.40	2,873.41	2,774.60	98.81	29.081		
10,100.00	7,106.97	7,569.83	7,178.85	93.77	53.17	-92.70	-1,401.42	91.23	2,952.59	2,853.21	99.38	29.711		
10,200.00	7,105.90	7,577.03	7,186.05	96.43	53.18	-92.93	-1,401.24	91.03	3,033.00	2,933.09	99.91	30.358		
10,300.00	7,104.83	10,300.00	7,140.59	99.10	58.83	-91.46	-1,402.19	91.93	3,114.41	3,006.04	108.38	28.737		
10,400.00	7,103.76	10,400.00	7,141.00	101.78	59.04	-91.48	-1,402.18	91.92	3,197.02	3,087.96	109.06	29.314		
10,500.00	7,102.69	10,500.00	7,141.40	104.47	59.26	-91.49	-1,402.18	91.92	3,280.59	3,170.88	109.71	29.901		
10,600.00	7,101.62	10,600.00	7,141.81	107.16	59.47	-91.50	-1,402.17	91.91	3,365.06	3,254.72	110.34	30.498		
10,700.00	7,100.55	10,700.00	7,142.22	109.87	59.68	-91.52	-1,402.16	91.90	3,450.35	3,339.42	110.93	31.103		
10,800.00	7,099.48	10,800.00	7,142.63	112.58	59.89	-91.53	-1,402.15	91.90	3,536.42	3,424.92	111.50	31.716		
10,900.00	7,098.41	7,581.57	7,190.58	115.29	53.19	-93.07	-1,401.13	90.93	3,623.27	3,520.43	102.84	35.232		
11,000.00	7,097.34	7,583.92	7,192.93	118.02	53.19	-93.15	-1,401.07	90.86	3,710.70	3,607.54	103.16	35.970		
11,100.00	7,096.27	7,586.31	7,195.32	120.74	53.20	-93.23	-1,401.01	90.80	3,798.76	3,695.30	103.46	36.717		
11,200.00	7,095.20	7,588.74	7,197.75	123.48	53.20	-93.30	-1,400.95	90.73	3,887.39	3,783.65	103.75	37.471		
11,300.00	7,094.13	7,591.22	7,200.22	126.22	53.21	-93.38	-1,400.88	90.66	3,976.56	3,872.55	104.01	38.232		
11,400.00	7,093.06	7,593.74	7,202.74	128.96	53.21	-93.46	-1,400.82	90.59	4,066.23	3,961.97	104.26	38.999		
11,500.00	7,091.99	7,596.30	7,205.31	131.71	53.22	-93.55	-1,400.75	90.52	4,156.38	4,051.87	104.50	39.773		
11,600.00	7,090.92	7,598.91	7,207.92	134.46	53.22	-93.63	-1,400.68	90.45	4,246.96	4,142.23	104.73	40.552		
11,700.00	7,089.85	7,601.57	7,210.57	137.21	53.23	-93.72	-1,400.61	90.37	4,337.96	4,233.01	104.94	41.337		
11,800.00	7,088.78	7,604.28	7,213.28	139.97	53.23	-93.80	-1,400.54	90.29	4,429.34	4,324.20	105.15	42.126		
11,900.00	7,087.71	7,607.04	7,216.04	142.73	53.24	-93.89	-1,400.46	90.21	4,521.09	4,415.75	105.34	42.920		
12,000.00	7,086.64	7,609.86	7,218.85	145.50	53.24	-93.98	-1,400.39	90.13	4,613.18	4,507.66	105.52	43.718		
12,100.00	7,085.57	7,612.72	7,221.71	148.26	53.25	-94.08	-1,400.31	90.05	4,705.59	4,599.89	105.70	44.520		
12,200.00	7,084.50	7,615.64	7,224.63	151.03	53.25	-94.17	-1,400.23	89.97	4,798.30	4,692.44	105.86	45.325		
12,300.00	7,083.43	7,618.62	7,227.61	153.81	53.26	-94.27	-1,400.14	89.88	4,891.30	4,785.28	106.02	46.134		
12,400.00	7,082.36	7,621.66	7,230.64	156.58	53.26	-94.36	-1,400.06	89.79	4,984.57	4,878.40	106.18	46.946		
12,500.00	7,081.29	7,624.75	7,233.74	159.36	53.27	-94.46	-1,399.97	89.70	5,078.10	4,971.78	106.32	47.761		
12,600.00	7,080.22	7,627.91	7,236.89	162.14	53.28	-94.56	-1,399.88	89.60	5,171.87	5,065.40	106.46	48.578		
12,700.00	7,079.15	7,631.14	7,240.11	164.92	53.28	-94.67	-1,399.79	89.51	5,265.86	5,159.26	106.60	49.398		
12,800.00	7,078.08	7,634.42	7,243.40	167.71	53.29	-94.77	-1,399.69	89.41	5,360.07	5,253.34	106.73	50.220		
12,900.00	7,077.01	7,637.78	7,246.75	170.49	53.30	-94.88	-1,399.59	89.30	5,454.49	5,347.63	106.86	51.045		
13,000.00	7,075.93	13,000.00	7,276.59	173.28	63.61	-95.84	-1,398.64	88.30	5,549.07	5,429.29	119.77	46.330		
13,100.00	7,074.86	13,100.00	7,278.89	176.07	63.81	-95.91	-1,398.56	88.22	5,643.85	5,523.77	120.09	46.998		
13,200.00	7,073.79	13,200.00	7,281.18	178.86	64.01	-95.99	-1,398.48	88.14	5,738.81	5,618.42	120.40	47.666		
13,300.00	7,072.72	13,300.00	7,283.47	181.65	64.21	-96.06	-1,398.41	88.06	5,833.94	5,713.24	120.70	48.333		
13,400.00	7,071.65	13,400.00	7,285.76	184.45	64.41	-96.13	-1,398.33	87.99	5,929.23	5,808.23	121.01	48.999		
13,500.00	7,070.58	7,704.29	7,313.19	187.25	53.42	-97.01	-1,397.39	86.98	6,024.67	5,917.14	107.52	56.033		
13,600.00	7,069.51	7,706.95	7,315.84	190.04	53.42	-97.10	-1,397.30	86.87	6,120.24	6,012.62	107.62	56.867		
13,700.00	7,068.44	7,709.60	7,318.48	192.84	53.43	-97.18	-1,397.20	86.77	6,215.95	6,108.23	107.72	57.703		
13,800.00	7,067.37	7,712.25	7,321.13	195.64	53.43	-97.27	-1,397.11	86.67	6,311.80	6,203.98	107.82	58.540		
13,900.00	7,066.30	7,714.90	7,323.78	198.44	53.44	-97.35	-1,397.01	86.57	6,407.77	6,299.85	107.92	59.377		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,065.23	7,717.55	7,326.43	201.24	53.44	-97.43	-1,396.92	86.47	6,503.86	6,395.85	108.01	60.216		
14,100.00	7,064.16	7,720.20	7,329.07	204.05	53.45	-97.52	-1,396.83	86.37	6,600.07	6,491.97	108.10	61.055		
14,200.00	7,063.09	7,722.85	7,331.72	206.85	53.45	-97.60	-1,396.73	86.26	6,696.38	6,588.19	108.19	61.894		
14,300.00	7,062.02	7,725.51	7,334.37	209.66	53.46	-97.69	-1,396.64	86.16	6,792.80	6,684.53	108.28	62.735		
14,400.00	7,060.95	7,728.16	7,337.02	212.46	53.46	-97.77	-1,396.54	86.06	6,889.33	6,780.96	108.36	63.575		
14,500.00	7,059.88	7,730.81	7,339.66	215.27	53.47	-97.86	-1,396.45	85.96	6,985.95	6,877.50	108.45	64.416		
14,600.00	7,058.81	7,733.46	7,342.31	218.08	53.47	-97.94	-1,396.36	85.86	7,082.66	6,974.12	108.53	65.258		
14,700.00	7,057.74	7,736.11	7,344.96	220.89	53.48	-98.03	-1,396.26	85.75	7,179.46	7,070.84	108.62	66.099		
14,800.00	7,056.67	7,738.76	7,347.61	223.70	53.48	-98.11	-1,396.17	85.65	7,276.35	7,167.65	108.70	66.941		
14,900.00	7,055.60	7,741.41	7,350.25	226.51	53.49	-98.19	-1,396.07	85.55	7,373.32	7,264.54	108.78	67.783		
15,000.00	7,054.53	7,744.06	7,352.90	229.32	53.49	-98.28	-1,395.98	85.45	7,470.36	7,361.51	108.86	68.625		
15,100.00	7,053.46	7,740.00	7,348.84	232.14	53.48	-98.15	-1,396.12	85.60	7,567.49	7,458.56	108.94	69.467		
15,200.00	7,052.39	7,740.00	7,348.84	234.95	53.48	-98.15	-1,396.12	85.60	7,664.69	7,555.68	109.01	70.310		
15,300.00	7,051.32	7,740.00	7,348.84	237.76	53.48	-98.15	-1,396.12	85.60	7,761.96	7,652.87	109.09	71.152		
15,400.00	7,050.25	7,740.00	7,348.84	240.58	53.48	-98.15	-1,396.12	85.60	7,859.30	7,750.14	109.17	71.994		
15,500.00	7,049.18	7,740.00	7,348.84	243.39	53.48	-98.15	-1,396.12	85.60	7,956.71	7,847.47	109.24	72.836		
15,600.00	7,048.11	7,740.00	7,348.84	246.21	53.48	-98.15	-1,396.12	85.60	8,054.18	7,944.86	109.32	73.678		
15,703.32	7,047.00	7,740.00	7,348.84	249.12	53.48	-98.15	-1,396.12	85.60	8,154.95	8,045.55	109.39	74.547		
15,703.90	7,046.99	7,740.00	7,348.84	249.13	53.48	-98.15	-1,396.12	85.60	8,155.51	8,046.12	109.39	74.552		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-74.65	257.95	-939.50	974.97					
100.00	100.00	60.69	60.69	3.28	3.29	-74.65	257.99	-939.55	974.33	967.75	6.57	148.234	CC, ES	
200.00	200.00	155.76	155.76	3.34	3.34	-74.63	258.36	-939.93	974.82	968.14	6.68	145.908		
300.00	300.00	252.82	252.81	3.44	3.45	-74.60	259.08	-940.63	975.71	968.82	6.90	141.464		
400.00	399.98	349.18	349.17	3.60	3.61	-141.24	260.00	-941.63	978.33	971.12	7.21	135.717		
500.00	499.84	453.22	453.20	3.80	3.82	-141.34	261.00	-942.61	983.57	975.95	7.62	129.075		
600.00	599.45	552.40	552.37	4.05	4.06	-141.52	261.76	-943.41	991.37	983.27	8.10	122.391		
700.00	698.70	651.19	651.15	4.32	4.33	-141.78	262.62	-944.29	1,002.04	993.40	8.64	115.947		
740.00	738.27	691.70	691.66	4.45	4.44	-141.93	262.72	-944.69	1,007.06	998.18	8.88	113.427		
800.00	797.57	750.02	749.97	4.63	4.62	-142.27	262.43	-945.35	1,014.91	1,005.68	9.23	109.924		
900.00	896.39	850.85	850.79	4.96	4.93	-142.90	261.04	-946.73	1,028.13	1,018.26	9.86	104.239		
1,000.00	995.21	960.17	960.03	5.32	5.28	-143.66	257.43	-947.86	1,040.69	1,030.13	10.56	98.593		
1,100.00	1,094.03	1,058.92	1,058.55	5.69	5.61	-144.52	250.75	-949.08	1,052.90	1,041.66	11.25	93.621		
1,200.00	1,192.86	1,146.24	1,145.61	6.07	5.92	-145.30	244.26	-950.71	1,065.84	1,053.91	11.93	89.378		
1,300.00	1,291.68	1,230.53	1,229.47	6.47	6.24	-146.14	236.30	-953.57	1,080.15	1,067.53	12.62	85.620		
1,400.00	1,390.50	1,314.73	1,312.90	6.88	6.57	-147.11	225.82	-957.89	1,095.97	1,082.64	13.33	82.232		
1,500.00	1,489.33	1,435.73	1,432.25	7.29	7.08	-148.64	207.05	-964.32	1,112.05	1,097.81	14.24	78.110		
1,600.00	1,588.15	1,549.74	1,544.43	7.71	7.59	-150.14	186.97	-967.56	1,125.90	1,110.75	15.15	74.316		
1,700.00	1,686.97	1,639.05	1,631.89	8.14	8.01	-151.39	169.11	-970.35	1,140.47	1,124.50	15.97	71.407		
1,800.00	1,785.79	1,766.18	1,755.36	8.57	8.66	-153.35	139.08	-973.77	1,155.27	1,138.23	17.04	67.812		
1,900.00	1,884.62	1,884.56	1,869.46	9.01	9.30	-155.29	107.54	-973.28	1,167.62	1,149.52	18.10	64.499		
2,000.00	1,983.44	1,980.38	1,960.97	9.45	9.87	-156.96	79.21	-971.91	1,179.99	1,160.91	19.08	61.841		
2,100.00	2,082.26	2,065.99	2,041.88	9.89	10.41	-158.55	51.26	-970.85	1,193.66	1,173.63	20.03	59.596		
2,200.00	2,181.09	2,143.38	2,114.13	10.33	10.94	-160.08	23.53	-970.27	1,209.22	1,188.27	20.95	57.728		
2,300.00	2,279.91	2,199.67	2,166.08	10.78	11.35	-161.23	1.88	-970.90	1,227.98	1,206.27	21.71	56.567		
2,400.00	2,378.73	2,268.77	2,229.18	11.23	11.88	-162.69	-26.18	-973.14	1,250.26	1,227.68	22.58	55.382		
2,500.00	2,477.55	2,355.32	2,307.57	11.68	12.58	-164.52	-62.75	-976.28	1,274.66	1,251.04	23.62	53.976		
2,600.00	2,576.38	2,433.91	2,378.57	12.13	13.23	-166.16	-96.32	-978.89	1,300.40	1,275.82	24.58	52.901		
2,700.00	2,675.20	2,501.03	2,439.21	12.59	13.80	-167.51	-124.92	-982.13	1,328.77	1,303.36	25.42	52.275		
2,800.00	2,774.02	2,580.84	2,511.31	13.04	14.49	-169.05	-158.85	-986.68	1,359.20	1,332.81	26.38	51.519		
2,900.00	2,872.85	2,659.75	2,582.56	13.50	15.18	-170.52	-192.41	-991.56	1,391.25	1,363.92	27.33	50.907		
3,000.00	2,971.67	2,728.96	2,644.89	13.96	15.81	-171.78	-222.11	-996.33	1,425.14	1,396.98	28.16	50.614		
3,100.00	3,070.49	2,815.53	2,722.66	14.41	16.60	-173.30	-259.58	-1,002.84	1,460.72	1,431.54	29.18	50.057		
3,200.00	3,169.31	2,911.09	2,808.80	14.87	17.47	-174.88	-300.38	-1,009.68	1,496.79	1,466.49	30.31	49.388		
3,300.00	3,268.14	3,002.16	2,891.03	15.33	18.31	-176.33	-339.04	-1,015.76	1,533.30	1,501.92	31.37	48.872		
3,400.00	3,366.96	3,105.90	2,984.90	15.79	19.27	-177.89	-382.75	-1,022.11	1,570.09	1,537.51	32.59	48.182		
3,500.00	3,465.78	3,221.73	3,090.81	16.25	20.31	-179.49	-429.26	-1,028.06	1,605.98	1,572.06	33.92	47.339		
3,600.00	3,564.61	3,309.37	3,170.81	16.72	21.11	-179.33	-464.85	-1,031.84	1,642.16	1,607.24	34.92	47.020		
3,700.00	3,663.43	3,410.42	3,263.55	17.18	22.02	-178.07	-504.71	-1,036.20	1,678.48	1,642.41	36.08	46.527		
3,800.00	3,762.25	3,496.80	3,342.94	17.64	22.79	-177.03	-538.62	-1,039.55	1,714.95	1,677.90	37.05	46.291		
3,900.00	3,861.07	3,582.85	3,421.81	18.10	23.57	-176.03	-572.82	-1,043.11	1,752.38	1,714.37	38.01	46.102		
4,000.00	3,959.90	3,680.40	3,511.58	18.57	24.45	-174.96	-610.80	-1,046.93	1,789.76	1,750.65	39.10	45.768		
4,100.00	4,058.72	3,750.75	3,576.36	19.03	25.09	-174.22	-638.09	-1,049.86	1,827.77	1,787.90	39.87	45.841		
4,200.00	4,157.54	3,801.91	3,623.17	19.50	25.56	-173.68	-658.55	-1,052.60	1,867.69	1,827.30	40.40	46.234		
4,300.00	4,256.37	3,880.26	3,694.33	19.96	26.30	-172.87	-690.98	-1,057.38	1,909.28	1,868.03	41.26	46.280		
4,400.00	4,355.19	3,966.46	3,772.30	20.43	27.12	-171.98	-727.43	-1,061.99	1,951.24	1,909.03	42.22	46.221		
4,500.00	4,454.01	4,062.53	3,859.03	20.89	28.05	-171.00	-768.50	-1,066.66	1,993.54	1,950.23	43.30	46.037		
4,600.00	4,552.83	4,158.29	3,945.60	21.36	28.98	-170.06	-809.24	-1,070.75	2,035.68	1,991.30	44.38	45.868		
4,700.00	4,651.66	4,283.55	4,059.71	21.82	30.17	-168.93	-860.66	-1,075.59	2,077.03	2,031.21	45.81	45.335		
4,800.00	4,750.48	4,355.02	4,124.78	22.29	30.84	-168.30	-890.12	-1,077.91	2,118.44	2,071.86	46.58	45.480		
4,900.00	4,849.30	4,460.57	4,220.92	22.76	31.84	-167.41	-933.56	-1,081.15	2,159.99	2,112.23	47.76	45.223		
5,000.00	4,948.13	4,541.49	4,294.98	23.22	32.60	-166.77	-966.04	-1,084.21	2,201.75	2,153.12	48.64	45.271		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	4,640.30	4,385.93	23.69	33.50	166.08	-1,004.34	-1,088.95	2,243.65	2,193.94	49.71	45.135		
5,200.00	5,145.77	4,769.37	4,506.05	24.16	34.63	165.31	-1,050.89	-1,096.80	2,285.14	2,234.03	51.11	44.711		
5,300.00	5,244.59	4,925.59	4,653.30	24.62	35.91	164.51	-1,102.42	-1,105.04	2,324.13	2,271.38	52.76	44.054		
5,400.00	5,343.42	5,059.69	4,780.77	25.09	36.96	163.91	-1,143.63	-1,110.87	2,361.26	2,307.13	54.12	43.628		
5,500.00	5,442.24	5,195.79	4,911.02	25.56	37.98	163.36	-1,182.77	-1,115.95	2,396.82	2,341.35	55.47	43.209		
5,600.00	5,541.06	5,354.71	5,064.54	26.03	39.09	162.84	-1,223.37	-1,121.89	2,430.52	2,373.55	56.97	42.663		
5,700.00	5,639.89	5,519.30	5,225.11	26.50	40.12	162.45	-1,259.04	-1,127.44	2,461.46	2,403.03	58.43	42.126		
5,800.00	5,738.71	5,685.66	5,388.84	26.96	41.05	162.19	-1,287.92	-1,132.90	2,489.55	2,429.75	59.81	41.627		
5,900.00	5,837.53	5,895.59	5,596.92	27.43	42.06	162.02	-1,315.03	-1,138.12	2,514.32	2,453.00	61.33	40.999		
6,000.00	5,936.35	6,024.38	5,725.13	27.90	42.61	161.97	-1,327.12	-1,139.71	2,535.77	2,473.45	62.33	40.686		
6,100.00	6,035.18	6,131.31	5,831.64	28.37	43.06	161.95	-1,336.57	-1,141.07	2,557.01	2,493.80	63.21	40.453		
6,200.00	6,134.00	6,215.55	5,915.58	28.84	43.40	161.94	-1,343.43	-1,142.61	2,578.22	2,514.24	63.98	40.298		
6,300.00	6,232.82	6,305.19	6,004.91	29.31	43.76	161.95	-1,350.44	-1,145.07	2,599.88	2,535.11	64.77	40.141		
6,400.00	6,331.64	6,454.21	6,153.57	29.77	44.32	162.03	-1,359.55	-1,149.84	2,620.82	2,555.00	65.82	39.821		
6,477.15	6,407.89	6,571.87	6,271.10	30.14	44.72	162.13	-1,363.97	-1,153.13	2,635.54	2,568.94	66.60	39.573		
6,500.00	6,430.52	6,602.51	6,301.72	30.24	44.81	168.61	-1,364.67	-1,153.99	2,639.37	2,572.57	66.81	39.508		
6,550.00	6,480.31	6,666.84	6,366.01	30.46	45.00	-155.68	-1,365.55	-1,155.95	2,645.37	2,578.14	67.23	39.350		
6,600.00	6,530.22	6,729.56	6,428.69	30.66	45.17	-87.25	-1,365.66	-1,158.08	2,648.05	2,580.45	67.60	39.171		
6,650.00	6,579.93	6,792.12	6,491.21	30.85	45.33	-62.68	-1,365.10	-1,160.39	2,647.45	2,579.50	67.95	38.962		
6,700.00	6,629.13	6,856.10	6,555.14	31.04	45.49	-54.64	-1,363.97	-1,162.81	2,643.56	2,575.29	68.27	38.721		
6,750.00	6,677.53	6,950.99	6,649.92	31.23	45.71	-51.37	-1,361.04	-1,166.03	2,636.09	2,567.45	68.64	38.403		
6,800.00	6,724.83	6,994.13	6,693.03	31.43	45.81	-49.90	-1,359.77	-1,167.05	2,625.36	2,556.49	68.87	38.120		
6,850.00	6,770.73	7,038.34	6,737.23	31.63	45.91	-49.52	-1,358.95	-1,167.66	2,611.81	2,542.73	69.08	37.807		
6,900.00	6,814.95	7,074.65	6,773.54	31.84	46.01	-49.82	-1,358.77	-1,167.83	2,595.66	2,526.39	69.27	37.472		
6,950.00	6,857.22	7,108.98	6,807.87	32.06	46.11	-50.66	-1,359.09	-1,167.69	2,577.09	2,507.66	69.43	37.116		
7,000.00	6,897.28	7,148.63	6,847.51	32.29	46.22	-52.05	-1,359.83	-1,167.30	2,556.22	2,486.62	69.61	36.724		
7,050.00	6,934.88	7,189.05	6,887.92	32.54	46.35	-53.90	-1,360.46	-1,166.95	2,533.11	2,463.34	69.78	36.303		
7,100.00	6,969.79	7,220.75	6,919.61	32.81	46.44	-56.07	-1,360.85	-1,166.75	2,507.98	2,438.06	69.92	35.871		
7,150.00	7,001.79	7,244.59	6,943.46	33.11	46.51	-58.51	-1,361.08	-1,166.75	2,481.14	2,411.11	70.03	35.428		
7,200.00	7,030.69	7,266.51	6,965.38	33.44	46.58	-61.28	-1,361.24	-1,166.90	2,452.82	2,382.67	70.15	34.965		
7,250.00	7,056.31	7,286.36	6,985.22	33.81	46.64	-64.38	-1,361.35	-1,167.16	2,423.22	2,352.95	70.28	34.482		
7,300.00	7,078.48	7,305.94	7,004.80	34.21	46.69	-67.82	-1,361.42	-1,167.52	2,392.55	2,322.13	70.42	33.977		
7,350.00	7,097.08	7,325.19	7,024.05	34.65	46.75	-71.57	-1,361.47	-1,167.89	2,361.01	2,290.43	70.58	33.452		
7,400.00	7,112.00	7,340.86	7,039.71	35.12	46.80	-75.50	-1,361.52	-1,168.20	2,328.84	2,258.08	70.76	32.912		
7,450.00	7,123.12	7,352.83	7,051.68	35.64	46.83	-79.53	-1,361.55	-1,168.44	2,296.29	2,225.33	70.96	32.361		
7,500.00	7,130.40	7,361.03	7,059.88	36.19	46.85	-83.56	-1,361.57	-1,168.60	2,263.61	2,192.43	71.18	31.800		
7,550.00	7,133.78	7,365.39	7,064.24	36.77	46.87	-87.51	-1,361.58	-1,168.69	2,231.05	2,159.62	71.43	31.234		
7,574.97	7,134.00	7,366.12	7,064.97	37.06	46.87	-89.43	-1,361.58	-1,168.70	2,214.90	2,143.34	71.56	30.951		
7,600.00	7,133.73	7,366.36	7,065.21	37.37	46.87	-89.44	-1,361.58	-1,168.71	2,198.85	2,127.15	71.70	30.666		
7,700.00	7,132.66	7,367.33	7,066.18	38.71	46.87	-89.47	-1,361.58	-1,168.73	2,136.46	2,064.06	72.40	29.510		
7,800.00	7,131.59	7,368.31	7,067.16	40.20	46.87	-89.51	-1,361.59	-1,168.75	2,077.00	2,003.70	73.30	28.334		
7,900.00	7,130.52	7,369.29	7,068.14	41.84	46.88	-89.54	-1,361.59	-1,168.77	2,020.75	1,946.33	74.43	27.150		
8,000.00	7,129.45	7,370.28	7,069.13	43.60	46.88	-89.57	-1,361.59	-1,168.79	1,967.98	1,892.20	75.78	25.970		
8,100.00	7,128.38	7,371.27	7,070.11	45.47	46.88	-89.61	-1,361.59	-1,168.81	1,918.97	1,841.62	77.35	24.808		
8,200.00	7,127.31	7,372.26	7,071.11	47.44	46.89	-89.64	-1,361.59	-1,168.83	1,874.01	1,794.87	79.15	23.678		
8,300.00	7,126.24	7,373.26	7,072.11	49.49	46.89	-89.67	-1,361.60	-1,168.85	1,833.42	1,752.27	81.15	22.593		
8,400.00	7,125.17	7,374.26	7,073.11	51.61	46.89	-89.71	-1,361.60	-1,168.87	1,797.47	1,714.12	83.35	21.565		
8,500.00	7,124.10	7,375.27	7,074.12	53.81	46.89	-89.74	-1,361.60	-1,168.89	1,766.46	1,680.73	85.73	20.605		
8,600.00	7,123.03	7,376.28	7,075.13	56.06	46.90	-89.78	-1,361.60	-1,168.91	1,740.65	1,652.39	88.26	19.721		
8,700.00	7,121.96	7,377.30	7,076.14	58.36	46.90	-89.81	-1,361.61	-1,168.93	1,720.28	1,629.36	90.92	18.922		
8,800.00	7,120.89	7,378.32	7,077.16	60.71	46.90	-89.85	-1,361.61	-1,168.96	1,705.53	1,611.88	93.65	18.211		
8,900.00	7,119.82	7,379.34	7,078.18	63.10	46.91	-89.88	-1,361.61	-1,168.98	1,696.56	1,600.12	96.44	17.592		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,118.75	7,380.37	7,079.21	65.53	46.91	-89.92	-1,361.61	-1,169.00	1,693.46	1,594.23	99.23	17.067		
9,002.63	7,118.72	7,380.40	7,079.24	65.59	46.91	-89.92	-1,361.61	-1,169.00	1,693.45	1,594.15	99.30	17.054		
9,100.00	7,117.68	7,381.40	7,080.25	67.98	46.91	-89.95	-1,361.62	-1,169.02	1,696.25	1,594.28	101.97	16.635		
9,200.00	7,116.61	7,382.44	7,081.28	70.47	46.92	-89.99	-1,361.62	-1,169.04	1,704.92	1,600.29	104.63	16.295		
9,300.00	7,115.54	7,383.48	7,082.32	72.98	46.92	-90.02	-1,361.62	-1,169.06	1,719.36	1,612.20	107.16	16.044		
9,400.00	7,114.47	7,384.53	7,083.37	75.52	46.92	-90.06	-1,361.62	-1,169.08	1,739.45	1,629.90	109.54	15.879		
9,500.00	7,113.40	7,385.58	7,084.42	78.08	46.92	-90.09	-1,361.62	-1,169.11	1,764.98	1,653.24	111.74	15.796		
9,600.00	7,112.33	7,386.78	7,085.62	80.65	46.93	-90.13	-1,361.63	-1,169.13	1,795.72	1,681.99	113.73	15.789 SF		
9,700.00	7,111.26	7,388.08	7,086.92	83.25	46.93	-90.18	-1,361.63	-1,169.16	1,831.41	1,715.89	115.52	15.854		
9,800.00	7,110.19	7,389.40	7,088.25	85.86	46.94	-90.22	-1,361.63	-1,169.19	1,871.77	1,754.67	117.09	15.985		
9,900.00	7,109.12	7,390.74	7,089.58	88.48	46.94	-90.27	-1,361.63	-1,169.21	1,916.50	1,798.04	118.46	16.178		
10,000.00	7,108.04	7,392.09	7,090.93	91.12	46.94	-90.31	-1,361.64	-1,169.24	1,965.31	1,845.67	119.64	16.427		
10,100.00	7,106.97	7,393.46	7,092.30	93.77	46.95	-90.36	-1,361.64	-1,169.27	2,017.89	1,897.26	120.63	16.728		
10,200.00	7,105.90	7,394.85	7,093.69	96.43	46.95	-90.41	-1,361.64	-1,169.30	2,073.96	1,952.51	121.45	17.077		
10,300.00	7,104.83	7,396.25	7,095.09	99.10	46.95	-90.45	-1,361.64	-1,169.33	2,133.25	2,011.13	122.12	17.469		
10,400.00	7,103.76	7,397.67	7,096.51	101.78	46.96	-90.50	-1,361.64	-1,169.36	2,195.50	2,072.84	122.65	17.900		
10,500.00	7,102.69	7,399.11	7,097.95	104.47	46.96	-90.55	-1,361.64	-1,169.39	2,260.45	2,137.39	123.06	18.368		
10,600.00	7,101.62	7,400.56	7,099.40	107.16	46.97	-90.60	-1,361.64	-1,169.42	2,327.89	2,204.52	123.37	18.869		
10,700.00	7,100.55	7,402.04	7,100.87	109.87	46.97	-90.65	-1,361.65	-1,169.46	2,397.60	2,274.01	123.59	19.400		
10,800.00	7,099.48	7,403.53	7,102.37	112.58	46.98	-90.70	-1,361.65	-1,169.49	2,469.40	2,345.67	123.73	19.958		
10,900.00	7,098.41	7,405.04	7,103.88	115.29	46.98	-90.75	-1,361.65	-1,169.52	2,543.10	2,419.30	123.80	20.542		
11,000.00	7,097.34	7,406.57	7,105.41	118.02	46.98	-90.80	-1,361.65	-1,169.55	2,618.55	2,494.73	123.82	21.148		
11,100.00	7,096.27	7,408.12	7,106.95	120.74	46.99	-90.85	-1,361.65	-1,169.59	2,695.59	2,571.80	123.79	21.776		
11,200.00	7,095.20	7,409.69	7,108.52	123.48	46.99	-90.91	-1,361.65	-1,169.62	2,774.10	2,650.38	123.72	22.423		
11,300.00	7,094.13	7,411.28	7,110.11	126.22	47.00	-90.96	-1,361.64	-1,169.66	2,853.95	2,730.34	123.61	23.088		
11,400.00	7,093.06	7,412.89	7,111.72	128.96	47.00	-91.02	-1,361.64	-1,169.69	2,935.04	2,811.55	123.48	23.769		
11,500.00	7,091.99	7,414.52	7,113.35	131.71	47.01	-91.07	-1,361.64	-1,169.73	3,017.26	2,893.93	123.33	24.465		
11,600.00	7,090.92	7,416.17	7,115.01	134.46	47.01	-91.13	-1,361.64	-1,169.77	3,100.52	2,977.36	123.16	25.175		
11,700.00	7,089.85	7,417.84	7,116.68	137.21	47.02	-91.18	-1,361.64	-1,169.80	3,184.75	3,061.78	122.97	25.898		
11,800.00	7,088.78	7,419.54	7,118.38	139.97	47.02	-91.24	-1,361.64	-1,169.84	3,269.87	3,147.09	122.78	26.632		
11,900.00	7,087.71	7,421.26	7,120.10	142.73	47.02	-91.30	-1,361.63	-1,169.88	3,355.80	3,233.23	122.58	27.377		
12,000.00	7,086.64	7,423.01	7,121.84	145.50	47.03	-91.36	-1,361.63	-1,169.92	3,442.50	3,320.13	122.37	28.133		
12,100.00	7,085.57	7,424.77	7,123.61	148.26	47.03	-91.42	-1,361.63	-1,169.96	3,529.90	3,407.74	122.15	28.897		
12,200.00	7,084.50	7,426.57	7,125.40	151.03	47.04	-91.48	-1,361.62	-1,170.00	3,617.95	3,496.01	121.94	29.670		
12,300.00	7,083.43	7,428.38	7,127.21	153.81	47.04	-91.54	-1,361.62	-1,170.04	3,706.60	3,584.88	121.72	30.451		
12,400.00	7,082.36	7,430.22	7,129.06	156.58	47.05	-91.60	-1,361.61	-1,170.08	3,795.82	3,674.32	121.51	31.240		
12,500.00	7,081.29	7,432.09	7,130.92	159.36	47.06	-91.66	-1,361.61	-1,170.13	3,885.57	3,764.28	121.29	32.035		
12,600.00	7,080.22	7,433.99	7,132.82	162.14	47.06	-91.73	-1,361.60	-1,170.17	3,975.80	3,854.72	121.08	32.837		
12,700.00	7,079.15	7,435.91	7,134.74	164.92	47.07	-91.79	-1,361.60	-1,170.22	4,066.49	3,945.62	120.87	33.644		
12,800.00	7,078.08	7,437.86	7,136.69	167.71	47.07	-91.86	-1,361.59	-1,170.26	4,157.61	4,036.95	120.66	34.457		
12,900.00	7,077.01	7,439.83	7,138.66	170.49	47.08	-91.93	-1,361.58	-1,170.31	4,249.12	4,128.67	120.46	35.275		
13,000.00	7,075.93	7,441.84	7,140.67	173.28	47.08	-91.99	-1,361.58	-1,170.36	4,341.01	4,220.76	120.26	36.098		
13,100.00	7,074.86	7,443.87	7,142.70	176.07	47.09	-92.06	-1,361.57	-1,170.40	4,433.25	4,313.19	120.06	36.925		
13,200.00	7,073.79	7,445.94	7,144.77	178.86	47.09	-92.13	-1,361.56	-1,170.45	4,525.82	4,405.95	119.87	37.756		
13,300.00	7,072.72	7,448.04	7,146.86	181.65	47.10	-92.20	-1,361.55	-1,170.50	4,618.70	4,499.02	119.68	38.591		
13,400.00	7,071.65	7,450.16	7,148.99	184.45	47.11	-92.28	-1,361.54	-1,170.55	4,711.87	4,592.37	119.50	39.430		
13,500.00	7,070.58	7,452.32	7,151.15	187.25	47.11	-92.35	-1,361.53	-1,170.61	4,805.31	4,685.99	119.32	40.272		
13,600.00	7,069.51	7,454.52	7,153.34	190.04	47.12	-92.42	-1,361.52	-1,170.66	4,899.01	4,779.86	119.15	41.117		
13,700.00	7,068.44	7,456.74	7,155.57	192.84	47.12	-92.50	-1,361.51	-1,170.71	4,992.95	4,873.97	118.98	41.964		
13,800.00	7,067.37	7,459.00	7,157.83	195.64	47.13	-92.57	-1,361.49	-1,170.77	5,087.13	4,968.31	118.82	42.814		
13,900.00	7,066.30	7,461.30	7,160.12	198.44	47.14	-92.65	-1,361.48	-1,170.82	5,181.52	5,062.86	118.66	43.667		
14,000.00	7,065.23	7,463.63	7,162.45	201.24	47.14	-92.73	-1,361.47	-1,170.88	5,276.12	5,157.61	118.51	44.522		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	7,466.00	7,164.82	204.05	47.15	-92.81	-1,361.45	-1,170.94	5,370.92	5,252.56	118.36	45.379		
14,200.00	7,063.09	7,468.40	7,167.23	206.85	47.16	-92.89	-1,361.44	-1,171.00	5,465.89	5,347.68	118.21	46.237		
14,300.00	7,062.02	7,470.85	7,169.67	209.66	47.16	-92.97	-1,361.42	-1,171.06	5,561.05	5,442.97	118.07	47.098		
14,400.00	7,060.95	7,561.28	7,260.04	212.46	47.40	-96.02	-1,359.82	-1,173.80	5,656.36	5,538.33	118.03	47.922		
14,500.00	7,059.88	7,563.66	7,262.42	215.27	47.41	-96.10	-1,359.76	-1,173.88	5,751.81	5,633.91	117.90	48.785		
14,600.00	7,058.81	7,566.04	7,264.80	218.08	47.41	-96.18	-1,359.69	-1,173.97	5,847.41	5,729.64	117.77	49.650		
14,700.00	7,057.74	7,568.42	7,267.17	220.89	47.42	-96.26	-1,359.62	-1,174.05	5,943.15	5,825.50	117.65	50.516		
14,800.00	7,056.67	14,800.00	7,223.62	223.70	66.59	-94.79	-1,360.48	-1,172.69	6,038.94	5,902.13	136.82	44.139		
14,900.00	7,055.60	14,900.00	7,225.52	226.51	66.87	-94.86	-1,360.45	-1,172.75	6,134.97	5,998.03	136.94	44.799		
15,000.00	7,054.53	15,000.00	7,227.42	229.32	67.15	-94.92	-1,360.42	-1,172.80	6,231.13	6,094.05	137.08	45.458		
15,100.00	7,053.46	15,100.00	7,229.32	232.14	67.42	-94.99	-1,360.38	-1,172.86	6,327.40	6,190.19	137.21	46.114		
15,200.00	7,052.39	15,200.00	7,231.22	234.95	67.70	-95.05	-1,360.35	-1,172.92	6,423.78	6,286.43	137.35	46.769		
15,300.00	7,051.32	15,300.00	7,233.11	237.76	67.98	-95.11	-1,360.32	-1,172.98	6,520.28	6,382.78	137.50	47.421		
15,400.00	7,050.25	7,585.08	7,283.82	240.58	47.46	-96.82	-1,359.15	-1,174.64	6,616.87	6,499.97	116.90	56.601		
15,500.00	7,049.18	7,587.46	7,286.20	243.39	47.46	-96.90	-1,359.09	-1,174.73	6,713.55	6,596.74	116.81	57.473		
15,600.00	7,048.11	7,589.84	7,288.57	246.21	47.47	-96.98	-1,359.02	-1,174.81	6,810.33	6,693.60	116.72	58.346		
15,703.32	7,047.00	7,592.30	7,291.03	249.12	47.48	-97.06	-1,358.95	-1,174.90	6,910.41	6,793.77	116.64	59.248		
15,703.90	7,046.99	7,592.31	7,291.04	249.13	47.48	-97.06	-1,358.95	-1,174.90	6,910.97	6,794.34	116.64	59.253		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.61	318.79	-958.99	1,011.30					
100.00	100.00	59.89	59.89	3.28	3.29	-71.61	318.80	-959.03	1,010.63	1,004.06	6.57	153.764		
200.00	200.00	155.29	155.29	3.34	3.34	-71.62	318.86	-959.45	1,011.07	1,004.39	6.68	151.345		
300.00	300.00	257.31	257.30	3.44	3.46	-71.57	319.90	-959.73	1,011.65	1,004.75	6.90	146.613		
400.00	399.98	349.22	349.15	3.60	3.60	-138.08	323.02	-959.57	1,013.86	1,006.66	7.20	140.778		
500.00	499.84	445.11	444.82	3.80	3.79	-137.84	329.35	-958.89	1,019.19	1,011.60	7.60	134.158		
600.00	599.45	536.85	536.06	4.05	4.02	-137.50	338.88	-957.64	1,027.71	1,019.64	8.07	127.408		
700.00	698.70	626.79	625.09	4.32	4.29	-137.06	351.52	-956.03	1,039.60	1,031.00	8.61	120.785		
740.00	738.27	661.02	658.86	4.45	4.40	-136.86	357.08	-955.42	1,045.37	1,036.53	8.84	118.241		
800.00	797.57	713.13	710.16	4.63	4.58	-136.67	366.20	-954.60	1,054.70	1,045.50	9.21	114.574		
900.00	896.39	807.02	802.39	4.96	4.94	-136.28	383.68	-953.26	1,070.79	1,060.91	9.88	108.329		
1,000.00	995.21	908.33	901.66	5.32	5.37	-135.81	403.84	-951.51	1,087.12	1,076.47	10.65	102.108		
1,100.00	1,094.03	1,005.22	996.16	5.69	5.83	-135.25	425.06	-948.85	1,103.29	1,091.84	11.45	96.348		
1,200.00	1,192.86	1,096.56	1,084.66	6.07	6.30	-134.61	447.45	-945.77	1,119.96	1,107.68	12.28	91.193		
1,300.00	1,291.68	1,181.04	1,165.87	6.47	6.78	-133.91	470.46	-942.63	1,137.53	1,124.41	13.12	86.700		
1,400.00	1,390.50	1,258.96	1,240.03	6.88	7.25	-133.17	494.25	-940.05	1,156.93	1,142.97	13.96	82.893		
1,500.00	1,489.33	1,350.22	1,326.10	7.29	7.85	-132.22	524.38	-936.78	1,177.44	1,162.52	14.92	78.913		
1,600.00	1,588.15	1,436.27	1,406.97	7.71	8.45	-131.31	553.66	-933.95	1,198.98	1,183.11	15.87	75.539		
1,700.00	1,686.97	1,530.18	1,495.40	8.14	9.11	-130.38	585.18	-931.56	1,221.30	1,204.41	16.89	72.297		
1,800.00	1,785.79	1,627.83	1,587.71	8.57	9.80	-129.50	616.97	-929.48	1,243.82	1,225.88	17.94	69.314		
1,900.00	1,884.62	1,723.82	1,678.74	9.01	10.48	-128.72	647.37	-927.86	1,266.58	1,247.60	18.98	66.725		
2,000.00	1,983.44	1,813.11	1,763.84	9.45	11.10	-128.08	674.39	-927.09	1,289.59	1,269.63	19.96	64.609		
2,100.00	2,082.26	1,902.70	1,849.18	9.89	11.73	-127.47	701.68	-927.24	1,313.70	1,292.76	20.94	62.740		
2,200.00	2,181.09	2,025.52	1,966.32	10.33	12.59	-126.67	738.54	-926.52	1,337.19	1,315.00	22.19	60.263		
2,300.00	2,279.91	2,146.25	2,082.24	10.78	13.42	-125.99	772.19	-924.40	1,358.71	1,335.30	23.41	58.041		
2,400.00	2,378.73	2,247.77	2,179.63	11.23	14.11	-125.40	800.75	-921.57	1,379.64	1,355.16	24.48	56.347		
2,500.00	2,477.55	2,367.51	2,295.19	11.68	14.91	-124.83	831.85	-918.03	1,399.40	1,373.72	25.69	54.479		
2,600.00	2,576.38	2,452.23	2,377.02	12.13	15.47	-124.43	853.61	-915.08	1,418.73	1,392.11	26.62	53.292		
2,700.00	2,675.20	2,540.38	2,461.86	12.59	16.07	-124.00	877.41	-912.68	1,439.40	1,411.81	27.59	52.169		
2,800.00	2,774.02	2,622.52	2,540.42	13.04	16.66	-123.53	901.20	-909.68	1,460.53	1,432.00	28.53	51.193		
2,900.00	2,872.85	2,695.05	2,609.10	13.50	17.20	-123.05	924.35	-906.94	1,483.30	1,453.90	29.40	50.457		
3,000.00	2,971.67	2,776.75	2,685.91	13.96	17.83	-122.48	952.04	-904.22	1,507.66	1,477.31	30.35	49.676		
3,100.00	3,070.49	2,860.09	2,783.79	14.41	18.62	-121.87	985.13	-901.94	1,532.06	1,500.56	31.49	48.649		
3,200.00	3,169.31	2,976.26	2,875.32	14.87	19.33	-121.38	1,014.59	-900.67	1,556.49	1,523.94	32.55	47.818		
3,300.00	3,268.14	3,083.33	2,977.49	15.33	20.11	-120.88	1,046.61	-899.47	1,580.77	1,547.08	33.70	46.913		
3,400.00	3,366.96	3,182.22	3,072.31	15.79	20.81	-120.49	1,074.68	-898.74	1,604.54	1,569.79	34.75	46.168		
3,500.00	3,465.78	3,296.29	3,181.70	16.25	21.62	-120.04	1,106.95	-897.32	1,627.93	1,591.99	35.95	45.288		
3,600.00	3,564.61	3,393.90	3,275.47	16.72	22.30	-119.68	1,134.04	-895.74	1,650.77	1,613.78	36.99	44.628		
3,700.00	3,663.43	3,499.93	3,377.63	17.18	23.02	-119.35	1,162.38	-894.92	1,673.74	1,635.65	38.09	43.943		
3,800.00	3,762.25	3,628.84	3,502.88	17.64	23.85	-119.08	1,192.87	-894.25	1,695.00	1,655.65	39.35	43.079		
3,900.00	3,861.07	3,722.27	3,593.63	18.10	24.45	-118.87	1,215.07	-892.86	1,715.64	1,675.32	40.32	42.549		
4,000.00	3,959.90	3,808.15	3,676.75	18.57	25.01	-118.64	1,236.57	-891.27	1,736.82	1,695.57	41.25	42.108		
4,100.00	4,058.72	3,894.98	3,760.90	19.03	25.58	-118.45	1,257.95	-890.67	1,758.66	1,716.50	42.17	41.708		
4,200.00	4,157.54	4,052.01	3,914.27	19.50	26.52	-118.30	1,291.56	-892.37	1,780.38	1,736.79	43.59	40.841		
4,300.00	4,256.37	4,338.90	4,199.18	19.96	27.80	-118.66	1,322.50	-887.85	1,791.29	1,745.83	45.46	39.407		
4,400.00	4,355.19	4,427.17	4,287.38	20.43	28.11	-118.94	1,325.80	-886.64	1,799.94	1,753.68	46.26	38.908		
4,500.00	4,454.01	4,546.66	4,406.85	20.89	28.47	-119.41	1,327.66	-886.96	1,808.63	1,761.49	47.14	38.368		
4,600.00	4,552.83	4,643.14	4,503.32	21.36	28.74	-119.84	1,327.40	-887.88	1,816.87	1,768.95	47.93	37.910		
4,700.00	4,651.66	4,746.45	4,606.60	21.82	29.02	-120.34	1,325.74	-889.75	1,825.12	1,776.41	48.72	37.464		
4,800.00	4,750.48	4,851.40	4,711.50	22.29	29.30	-120.87	1,323.47	-891.67	1,833.21	1,783.70	49.51	37.026		
4,900.00	4,849.30	4,948.18	4,808.27	22.76	29.56	-121.33	1,321.94	-892.79	1,841.21	1,790.92	50.29	36.613		
5,000.00	4,948.13	5,040.98	4,901.05	23.22	29.82	-121.75	1,320.80	-893.96	1,849.62	1,798.56	51.06	36.225		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,135.94	4,996.00	23.69	30.10	-122.18	1,319.99	-895.20	1,858.39	1,806.55	51.84	35.848		
5,200.00	5,145.77	5,225.55	5,085.61	24.16	30.36	-122.56	1,319.63	-896.42	1,867.56	1,814.95	52.61	35.497		
5,300.00	5,244.59	5,315.15	5,175.20	24.62	30.64	-122.94	1,319.76	-897.91	1,877.37	1,823.99	53.38	35.167		
5,400.00	5,343.42	5,408.19	5,268.21	25.09	30.93	-123.32	1,320.18	-899.66	1,887.63	1,833.46	54.17	34.845		
5,500.00	5,442.24	5,510.27	5,370.27	25.56	31.26	-123.74	1,320.76	-901.60	1,898.07	1,843.08	55.00	34.513		
5,600.00	5,541.06	5,606.72	5,466.71	26.03	31.57	-124.12	1,321.20	-903.34	1,908.46	1,852.66	55.80	34.203		
5,700.00	5,639.89	5,697.98	5,557.94	26.50	31.86	-124.50	1,321.40	-905.48	1,919.26	1,862.68	56.58	33.922		
5,800.00	5,738.71	5,794.39	5,654.32	26.96	32.18	-124.89	1,321.90	-907.83	1,930.39	1,873.01	57.38	33.640		
5,900.00	5,837.53	5,886.23	5,746.13	27.43	32.49	-125.24	1,322.91	-909.93	1,941.80	1,883.63	58.17	33.381		
6,000.00	5,936.35	5,984.33	5,844.18	27.90	32.82	-125.61	1,324.18	-912.54	1,953.68	1,894.69	58.99	33.119		
6,100.00	6,035.18	6,112.60	5,972.44	28.37	33.26	-126.07	1,325.51	-914.52	1,964.53	1,904.59	59.94	32.777		
6,200.00	6,134.00	6,203.87	6,063.70	28.84	33.58	-126.39	1,326.40	-915.54	1,975.09	1,914.36	60.73	32.521		
6,300.00	6,232.82	6,291.06	6,150.87	29.31	33.88	-126.70	1,327.47	-916.83	1,986.18	1,924.66	61.51	32.288		
6,400.00	6,331.64	6,379.20	6,238.98	29.77	34.20	-126.99	1,329.01	-918.52	1,997.95	1,935.65	62.30	32.072		
6,477.15	6,407.89	6,453.50	6,313.25	30.14	34.47	-127.24	1,330.48	-920.07	2,007.27	1,944.34	62.93	31.896		
6,500.00	6,430.52	6,475.57	6,335.31	30.24	34.55	-121.19	1,330.93	-920.53	2,009.70	1,946.59	63.12	31.841		
6,550.00	6,480.31	6,542.47	6,402.18	30.46	34.79	-86.10	1,332.11	-921.79	2,012.44	1,948.84	63.60	31.643		
6,600.00	6,530.22	6,615.89	6,475.60	30.66	35.05	-17.81	1,332.77	-922.62	2,011.24	1,947.16	64.08	31.386		
6,650.00	6,579.93	6,681.59	6,541.29	30.85	35.27	7.12	1,332.95	-922.83	2,006.18	1,941.68	64.50	31.102		
6,700.00	6,629.13	6,745.56	6,605.27	31.04	35.49	16.03	1,333.06	-922.52	1,997.41	1,932.51	64.90	30.777		
6,750.00	6,677.53	6,794.64	6,654.35	31.23	35.66	20.77	1,333.12	-922.04	1,985.15	1,919.92	65.23	30.433		
6,800.00	6,724.83	6,838.96	6,698.67	31.43	35.81	24.05	1,333.20	-921.65	1,969.77	1,904.23	65.53	30.058		
6,850.00	6,770.73	6,881.99	6,741.69	31.63	35.96	26.78	1,333.30	-921.34	1,951.38	1,885.56	65.82	29.648		
6,900.00	6,814.95	6,925.35	6,785.05	31.84	36.11	29.35	1,333.42	-921.06	1,930.10	1,864.01	66.10	29.202		
6,950.00	6,857.22	6,967.43	6,827.13	32.06	36.25	31.98	1,333.54	-920.79	1,906.06	1,839.70	66.36	28.723		
7,000.00	6,897.28	7,007.28	6,866.98	32.29	36.39	34.81	1,333.65	-920.53	1,879.43	1,812.82	66.61	28.216		
7,050.00	6,934.88	7,042.82	6,902.51	32.54	36.51	37.89	1,333.75	-920.31	1,850.44	1,783.60	66.84	27.685		
7,100.00	6,969.79	7,073.51	6,933.20	32.81	36.62	41.29	1,333.86	-920.18	1,819.36	1,752.30	67.05	27.133		
7,150.00	7,001.79	7,101.75	6,961.45	33.11	36.72	45.09	1,333.99	-920.11	1,786.44	1,719.18	67.26	26.561		
7,200.00	7,030.69	7,127.37	6,987.07	33.44	36.81	49.35	1,334.12	-920.09	1,751.93	1,684.47	67.46	25.970		
7,250.00	7,056.31	7,150.20	7,009.89	33.81	36.89	54.06	1,334.26	-920.11	1,716.10	1,648.44	67.66	25.363		
7,300.00	7,078.48	7,171.70	7,031.40	34.21	36.97	59.28	1,334.40	-920.16	1,679.21	1,611.34	67.88	24.739		
7,350.00	7,097.08	7,191.38	7,051.08	34.65	37.04	64.93	1,334.52	-920.20	1,641.53	1,573.43	68.10	24.104		
7,400.00	7,112.00	7,207.13	7,066.82	35.12	37.10	70.81	1,334.62	-920.22	1,603.37	1,535.04	68.34	23.462		
7,450.00	7,123.12	7,218.86	7,078.55	35.64	37.14	76.71	1,334.69	-920.23	1,565.06	1,496.47	68.59	22.817		
7,500.00	7,130.40	7,226.51	7,086.21	36.19	37.17	82.45	1,334.73	-920.24	1,526.91	1,458.05	68.86	22.173		
7,550.00	7,133.78	7,230.07	7,089.76	36.77	37.18	87.82	1,334.75	-920.24	1,489.24	1,420.08	69.16	21.535		
7,574.97	7,134.00	7,230.31	7,090.00	37.06	37.18	90.32	1,334.75	-920.24	1,470.70	1,401.39	69.31	21.219		
7,600.00	7,133.73	7,230.04	7,089.73	37.37	37.18	90.31	1,334.75	-920.24	1,452.33	1,382.86	69.48	20.904		
7,700.00	7,132.66	7,228.95	7,088.64	38.71	37.18	90.25	1,334.74	-920.24	1,381.03	1,310.75	70.28	19.651		
7,800.00	7,131.59	7,227.87	7,087.56	40.20	37.17	90.18	1,334.74	-920.24	1,313.47	1,242.15	71.32	18.415		
7,900.00	7,130.52	7,226.79	7,086.49	41.84	37.17	90.12	1,334.73	-920.24	1,250.27	1,177.63	72.64	17.213		
8,000.00	7,129.45	7,225.73	7,085.42	43.60	37.16	90.06	1,334.73	-920.24	1,192.11	1,117.88	74.23	16.060		
8,100.00	7,128.38	7,224.66	7,084.36	45.47	37.16	90.00	1,334.72	-920.23	1,139.78	1,063.68	76.10	14.978		
8,200.00	7,127.31	7,223.61	7,083.30	47.44	37.16	89.94	1,334.71	-920.23	1,094.10	1,015.88	78.22	13.988		
8,300.00	7,126.24	7,222.56	7,082.25	49.49	37.15	89.88	1,334.71	-920.23	1,055.94	975.40	80.54	13.110		
8,400.00	7,125.17	7,221.52	7,081.21	51.61	37.15	89.82	1,334.70	-920.23	1,026.14	943.15	82.99	12.364		
8,500.00	7,124.10	7,220.48	7,080.17	53.81	37.15	89.76	1,334.70	-920.23	1,005.44	919.97	85.47	11.764		
8,600.00	7,123.03	7,219.45	7,079.14	56.06	37.14	89.70	1,334.69	-920.23	994.41	906.54	87.87	11.317		
8,660.27	7,122.38	7,218.83	7,078.52	57.45	37.14	89.66	1,334.69	-920.23	992.58	903.35	89.24	11.123 CC		
8,700.00	7,121.96	7,218.43	7,078.12	58.36	37.14	89.64	1,334.68	-920.23	993.38	903.30	90.08	11.028 ES		
8,800.00	7,120.89	7,217.41	7,077.10	60.71	37.13	89.58	1,334.68	-920.23	1,002.37	910.35	92.01	10.894 SF		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,119.82	7,216.39	7,076.09	63.10	37.13	89.52	1,334.67	-920.23	1,021.12	927.51	93.61	10.908		
9,000.00	7,118.75	7,215.39	7,075.08	65.53	37.13	89.46	1,334.67	-920.23	1,049.11	954.26	94.85	11.061		
9,100.00	7,117.68	7,214.39	7,074.08	67.98	37.12	89.41	1,334.66	-920.23	1,085.62	989.89	95.73	11.340		
9,200.00	7,116.61	7,213.39	7,073.08	70.47	37.12	89.35	1,334.65	-920.23	1,129.82	1,033.53	96.29	11.734		
9,300.00	7,115.54	7,212.40	7,072.10	72.98	37.12	89.29	1,334.65	-920.22	1,180.86	1,084.29	96.57	12.228		
9,400.00	7,114.47	7,211.42	7,071.11	75.52	37.11	89.23	1,334.64	-920.22	1,237.89	1,141.26	96.63	12.811		
9,500.00	7,113.40	7,210.44	7,070.13	78.08	37.11	89.18	1,334.64	-920.22	1,300.11	1,203.60	96.51	13.471		
9,600.00	7,112.33	7,209.47	7,069.16	80.65	37.11	89.12	1,334.63	-920.22	1,366.83	1,270.57	96.26	14.199		
9,700.00	7,111.26	7,208.50	7,068.19	83.25	37.10	89.07	1,334.62	-920.22	1,437.41	1,341.49	95.92	14.985		
9,800.00	7,110.19	7,207.54	7,067.23	85.86	37.10	89.01	1,334.62	-920.22	1,511.32	1,415.79	95.52	15.821		
9,900.00	7,109.12	7,206.58	7,066.28	88.48	37.10	88.95	1,334.61	-920.22	1,588.08	1,492.99	95.09	16.701		
10,000.00	7,108.04	7,205.63	7,065.33	91.12	37.09	88.90	1,334.61	-920.22	1,667.31	1,572.68	94.63	17.619		
10,100.00	7,106.97	7,204.69	7,064.38	93.77	37.09	88.85	1,334.60	-920.22	1,748.67	1,654.50	94.16	18.570		
10,200.00	7,105.90	7,203.75	7,063.44	96.43	37.09	88.79	1,334.60	-920.22	1,831.87	1,738.17	93.70	19.550		
10,300.00	7,104.83	7,202.81	7,062.51	99.10	37.08	88.74	1,334.59	-920.21	1,916.68	1,823.44	93.25	20.555		
10,400.00	7,103.76	7,201.88	7,061.58	101.78	37.08	88.68	1,334.58	-920.21	2,002.89	1,910.09	92.81	21.582		
10,500.00	7,102.69	7,200.96	7,060.65	104.47	37.08	88.63	1,334.58	-920.21	2,090.33	1,997.95	92.38	22.628		
10,600.00	7,101.62	7,200.04	7,059.73	107.16	37.07	88.58	1,334.57	-920.21	2,178.85	2,086.88	91.97	23.690		
10,700.00	7,100.55	7,199.13	7,058.82	109.87	37.07	88.52	1,334.57	-920.21	2,268.33	2,176.75	91.58	24.768		
10,800.00	7,099.48	7,198.22	7,057.91	112.58	37.07	88.47	1,334.56	-920.21	2,358.65	2,267.44	91.21	25.859		
10,900.00	7,098.41	7,197.31	7,057.01	115.29	37.06	88.42	1,334.56	-920.21	2,449.72	2,358.86	90.86	26.961		
11,000.00	7,097.34	7,196.41	7,056.11	118.02	37.06	88.37	1,334.55	-920.21	2,541.46	2,450.93	90.53	28.074		
11,100.00	7,096.27	7,195.52	7,055.21	120.74	37.06	88.32	1,334.55	-920.20	2,633.81	2,543.59	90.21	29.196		
11,200.00	7,095.20	7,194.63	7,054.32	123.48	37.05	88.27	1,334.54	-920.20	2,726.69	2,636.77	89.91	30.325		
11,300.00	7,094.13	7,193.74	7,053.44	126.22	37.05	88.21	1,334.53	-920.20	2,820.06	2,730.43	89.63	31.462		
11,400.00	7,093.06	7,192.86	7,052.56	128.96	37.05	88.16	1,334.53	-920.20	2,913.87	2,824.50	89.37	32.605		
11,500.00	7,091.99	7,191.99	7,051.68	131.71	37.04	88.11	1,334.52	-920.20	3,008.08	2,918.96	89.12	33.754		
11,600.00	7,090.92	7,191.12	7,050.81	134.46	37.04	88.06	1,334.52	-920.20	3,102.65	3,013.77	88.88	34.908		
11,700.00	7,089.85	7,190.25	7,049.95	137.21	37.04	88.01	1,334.51	-920.20	3,197.55	3,108.89	88.66	36.067		
11,800.00	7,088.78	7,189.39	7,049.09	139.97	37.03	87.96	1,334.51	-920.19	3,292.75	3,204.30	88.45	37.229		
11,900.00	7,087.71	7,188.54	7,048.23	142.73	37.03	87.91	1,334.50	-920.19	3,388.23	3,299.98	88.25	38.394		
12,000.00	7,086.64	7,187.68	7,047.38	145.50	37.03	87.86	1,334.50	-920.19	3,483.96	3,395.90	88.06	39.563		
12,100.00	7,085.57	7,186.84	7,046.53	148.26	37.02	87.82	1,334.49	-920.19	3,579.92	3,492.04	87.88	40.734		
12,200.00	7,084.50	7,185.99	7,045.69	151.03	37.02	87.77	1,334.49	-920.19	3,676.10	3,588.38	87.72	41.908		
12,300.00	7,083.43	7,185.16	7,044.85	153.81	37.02	87.72	1,334.48	-920.19	3,772.48	3,684.92	87.56	43.083		
12,400.00	7,082.36	7,184.32	7,044.02	156.58	37.02	87.67	1,334.48	-920.19	3,869.04	3,781.63	87.42	44.261		
12,500.00	7,081.29	7,183.49	7,043.19	159.36	37.01	87.62	1,334.47	-920.18	3,965.78	3,878.50	87.28	45.439		
12,600.00	7,080.22	7,182.67	7,042.36	162.14	37.01	87.58	1,334.47	-920.18	4,062.67	3,975.52	87.15	46.619		
12,700.00	7,079.15	7,181.85	7,041.54	164.92	37.01	87.53	1,334.46	-920.18	4,159.70	4,072.68	87.02	47.800		
12,800.00	7,078.08	7,181.03	7,040.73	167.71	37.00	87.48	1,334.46	-920.18	4,256.88	4,169.97	86.91	48.981		
12,900.00	7,077.01	7,180.22	7,039.91	170.49	37.00	87.43	1,334.45	-920.18	4,354.18	4,267.38	86.80	50.164		
13,000.00	7,075.93	7,179.41	7,039.11	173.28	37.00	87.39	1,334.45	-920.18	4,451.60	4,364.90	86.70	51.346		
13,100.00	7,074.86	7,178.71	7,047.40	176.07	37.03	87.87	1,334.51	-920.23	4,549.11	4,462.50	86.61	52.522		
13,200.00	7,073.79	7,178.06	7,046.49	178.86	37.02	87.81	1,334.50	-920.22	4,646.75	4,560.23	86.52	53.705		
13,300.00	7,072.72	7,177.36	7,045.55	181.65	37.02	87.76	1,334.50	-920.22	4,744.49	4,658.05	86.44	54.887		
13,400.00	7,071.65	7,176.61	7,044.61	184.45	37.02	87.70	1,334.49	-920.21	4,842.32	4,755.96	86.36	56.070		
13,500.00	7,070.58	7,175.86	7,043.64	187.25	37.01	87.65	1,334.48	-920.21	4,940.24	4,853.95	86.29	57.252		
13,600.00	7,069.51	7,175.11	7,042.66	190.04	37.01	87.59	1,334.48	-920.21	5,038.24	4,952.01	86.22	58.434		
13,700.00	7,068.44	7,174.36	7,041.65	192.84	37.01	87.53	1,334.47	-920.20	5,136.31	5,050.15	86.16	59.615		
13,800.00	7,067.37	7,173.61	7,040.63	195.64	37.00	87.48	1,334.46	-920.20	5,234.46	5,148.36	86.10	60.795		
13,900.00	7,066.30	7,172.86	7,039.59	198.44	37.00	87.42	1,334.46	-920.19	5,332.68	5,246.63	86.05	61.975		
14,000.00	7,065.23	7,172.11	7,038.52	201.24	36.99	87.35	1,334.45	-920.19	5,430.96	5,344.96	86.00	63.154		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	7,177.75	7,037.44	204.05	36.99	87.29	1,334.44	-920.19	5,529.30	5,443.35	85.95	64.332		
14,200.00	7,063.09	7,176.64	7,036.33	206.85	36.99	87.23	1,334.43	-920.18	5,627.70	5,541.80	85.91	65.509		
14,300.00	7,062.02	7,175.51	7,035.21	209.66	36.98	87.16	1,334.42	-920.18	5,726.16	5,640.29	85.87	66.685		
14,400.00	7,060.95	7,174.36	7,034.06	212.46	36.98	87.10	1,334.42	-920.18	5,824.67	5,738.83	85.83	67.860		
14,500.00	7,059.88	7,173.19	7,032.88	215.27	36.97	87.03	1,334.41	-920.17	5,923.23	5,837.43	85.80	69.034		
14,600.00	7,058.81	7,171.99	7,031.68	218.08	36.97	86.96	1,334.40	-920.17	6,021.83	5,936.06	85.77	70.207		
14,700.00	7,057.74	7,170.76	7,030.46	220.89	36.97	86.89	1,334.39	-920.16	6,120.48	6,034.74	85.75	71.378		
14,800.00	7,056.67	7,169.51	7,029.21	223.70	36.96	86.82	1,334.38	-920.16	6,219.18	6,133.45	85.73	72.548		
14,900.00	7,055.60	7,168.24	7,027.93	226.51	36.96	86.74	1,334.37	-920.16	6,317.91	6,232.21	85.71	73.716		
15,000.00	7,054.53	7,166.93	7,026.63	229.32	36.95	86.67	1,334.37	-920.15	6,416.69	6,331.00	85.69	74.883		
15,100.00	7,053.46	7,165.60	7,025.29	232.14	36.95	86.59	1,334.36	-920.15	6,515.50	6,429.82	85.68	76.048		
15,200.00	7,052.39	7,164.24	7,023.93	234.95	36.94	86.51	1,334.35	-920.14	6,614.35	6,528.68	85.67	77.212		
15,300.00	7,051.32	7,162.84	7,022.54	237.76	36.94	86.43	1,334.34	-920.14	6,713.23	6,627.57	85.66	78.374		
15,400.00	7,050.25	7,161.42	7,021.11	240.58	36.93	86.35	1,334.33	-920.14	6,812.14	6,726.49	85.65	79.534		
15,500.00	7,049.18	7,159.96	7,019.65	243.39	36.93	86.27	1,334.32	-920.13	6,911.09	6,825.44	85.65	80.692		
15,600.00	7,048.11	7,158.47	7,018.16	246.21	36.92	86.18	1,334.31	-920.13	7,010.06	6,924.41	85.65	81.849		
15,703.32	7,047.00	7,156.89	7,016.58	249.12	36.92	86.09	1,334.30	-920.13	7,112.35	7,026.70	85.65	83.042		
15,703.90	7,046.99	7,156.88	7,016.57	249.13	36.92	86.09	1,334.30	-920.13	7,112.93	7,027.28	85.65	83.049		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-73.13	288.19	-950.08	993.55					
100.00	100.00	57.65	57.65	3.28	3.29	-73.12	288.24	-950.16	992.93	986.36	6.57	151.081		
200.00	200.00	148.18	148.17	3.34	3.34	-73.11	288.70	-950.89	993.84	987.17	6.68	148.863		
300.00	300.00	267.02	266.99	3.44	3.47	-73.01	290.55	-951.20	994.60	987.69	6.91	143.845		
400.00	399.98	430.84	430.40	3.60	3.77	-139.26	297.89	-942.95	992.57	985.17	7.40	134.166		
500.00	499.84	547.17	546.02	3.80	4.05	-139.00	304.03	-931.63	988.82	980.93	7.89	125.363		
600.00	599.45	658.58	656.45	4.05	4.39	-138.81	310.54	-918.51	985.89	977.44	8.45	116.665		
658.51	657.57	714.70	711.98	4.21	4.58	-138.71	314.74	-911.59	985.40	976.61	8.78	112.207		
700.00	698.70	758.28	755.01	4.32	4.75	-138.60	318.81	-905.94	985.58	976.53	9.05	108.922		
740.00	738.27	800.24	796.29	4.45	4.91	-138.46	323.51	-900.16	986.10	976.78	9.31	105.863		
800.00	797.57	861.70	856.66	4.63	5.16	-138.25	331.04	-891.38	987.10	977.37	9.74	101.373		
900.00	896.39	994.85	986.70	4.96	5.77	-137.61	349.54	-869.67	987.50	976.86	10.64	92.774		
1,000.00	995.21	1,124.06	1,111.22	5.32	6.47	-136.70	370.58	-842.38	983.94	972.31	11.64	84.546		
1,100.00	1,094.03	1,257.14	1,238.88	5.69	7.27	-135.74	391.07	-810.92	978.03	965.31	12.71	76.942		
1,200.00	1,192.86	1,353.92	1,331.37	6.07	7.89	-135.02	405.52	-786.35	970.37	956.74	13.63	71.183		
1,300.00	1,291.68	1,443.26	1,416.70	6.47	8.48	-134.31	419.62	-763.94	963.48	948.93	14.55	66.222		
1,400.00	1,390.50	1,536.41	1,505.62	6.88	9.12	-133.52	435.34	-741.06	957.65	942.12	15.53	61.673		
1,500.00	1,489.33	1,641.00	1,604.97	7.29	9.86	-132.50	454.64	-714.70	952.04	935.42	16.62	57.282		
1,600.00	1,588.15	1,745.71	1,704.39	7.71	10.62	-131.50	473.25	-687.62	945.83	928.09	17.74	53.313		
1,700.00	1,686.97	1,859.93	1,812.75	8.14	11.47	-130.40	492.94	-657.34	939.12	920.17	18.94	49.578		
1,800.00	1,785.79	1,945.05	1,893.45	8.57	12.10	-129.57	507.39	-634.45	932.19	912.20	19.99	46.644		
1,900.00	1,884.62	2,031.25	1,975.54	9.01	12.74	-128.76	522.10	-612.69	927.03	905.99	21.04	44.058		
2,000.00	1,983.44	2,134.25	2,073.54	9.45	13.51	-127.74	540.53	-586.90	922.69	900.47	22.22	41.518		
2,100.00	2,082.26	2,228.37	2,163.19	9.89	14.21	-126.83	556.99	-563.39	918.49	895.13	23.36	39.321		
2,200.00	2,181.09	2,333.95	2,263.78	10.33	15.00	-125.80	575.24	-537.04	914.47	889.90	24.57	37.213		
2,300.00	2,279.91	2,431.79	2,357.35	10.78	15.72	-124.95	590.34	-512.75	909.90	884.17	25.73	35.363		
2,400.00	2,378.73	2,518.03	2,440.01	11.23	16.35	-124.20	604.34	-492.55	907.09	880.28	26.82	33.827		
2,500.00	2,477.55	2,640.72	2,557.21	11.68	17.26	-123.05	624.58	-462.44	903.80	875.64	28.16	32.099		
2,600.00	2,576.38	2,740.66	2,652.11	12.13	18.03	-122.03	640.92	-435.74	898.80	869.41	29.39	30.585		
2,700.00	2,675.20	2,825.23	2,732.58	12.59	18.68	-121.18	655.09	-413.90	895.06	864.54	30.52	29.328		
2,800.00	2,774.02	2,937.79	2,840.40	13.04	19.51	-120.19	672.18	-386.51	891.93	860.13	31.80	28.050		
2,900.00	2,872.85	3,022.36	2,921.74	13.50	20.11	-119.52	684.01	-366.63	888.91	856.02	32.88	27.032		
3,000.00	2,971.67	3,109.21	3,005.83	13.96	20.70	-118.95	695.47	-348.16	887.41	853.47	33.95	26.142		
3,032.12	3,003.41	3,134.89	3,030.83	14.10	20.85	-118.81	698.64	-343.21	887.30	853.04	34.26	25.902		
3,100.00	3,070.49	3,189.50	3,084.20	14.41	21.19	-118.57	705.09	-333.65	887.81	852.90	34.91	25.434		
3,200.00	3,169.31	3,275.61	3,168.81	14.87	21.68	-118.32	714.62	-320.75	890.14	854.29	35.85	24.830		
3,300.00	3,268.14	3,358.51	3,250.63	15.33	22.11	-118.20	723.13	-310.59	894.15	857.43	36.72	24.350		
3,400.00	3,366.96	3,450.91	3,342.23	15.79	22.55	-118.23	731.58	-301.85	899.65	862.05	37.60	23.925		
3,500.00	3,465.78	3,545.76	3,436.57	16.25	22.96	-118.42	738.54	-294.92	905.75	867.30	38.45	23.556		
3,600.00	3,564.61	3,644.99	3,535.56	16.72	23.35	-118.84	743.28	-290.04	912.18	872.92	39.26	23.233		
3,700.00	3,663.43	3,747.09	3,637.58	17.18	23.69	-119.48	745.32	-287.03	918.56	878.53	40.03	22.948		
3,800.00	3,762.25	3,844.83	3,735.29	17.64	24.01	-120.16	746.14	-284.52	924.68	883.93	40.75	22.692		
3,900.00	3,861.07	3,926.90	3,817.35	18.10	24.26	-120.78	746.66	-284.05	932.36	891.00	41.37	22.538		
4,000.00	3,959.90	4,027.16	3,917.62	18.57	24.56	-121.57	747.21	-284.21	940.81	898.73	42.08	22.359		
4,100.00	4,058.72	4,121.91	4,012.36	19.03	24.85	-122.28	748.13	-284.35	949.64	906.88	42.76	22.207		
4,200.00	4,157.54	4,218.54	4,108.97	19.50	25.16	-122.95	749.81	-284.45	959.01	915.53	43.47	22.059		
4,300.00	4,256.37	4,314.10	4,204.52	19.96	25.47	-123.59	751.58	-284.64	968.65	924.47	44.18	21.924		
4,400.00	4,355.19	4,410.08	4,300.47	20.43	25.78	-124.22	753.77	-285.14	978.92	934.02	44.90	21.803		
4,500.00	4,454.01	4,508.24	4,398.60	20.89	26.09	-124.86	755.85	-285.83	989.38	943.76	45.63	21.684		
4,600.00	4,552.83	4,605.93	4,496.27	21.36	26.41	-125.51	757.65	-286.81	1,000.09	953.74	46.35	21.576		
4,700.00	4,651.66	4,702.24	4,592.56	21.82	26.71	-126.15	759.35	-288.00	1,011.07	964.01	47.06	21.483		
4,800.00	4,750.48	4,804.99	4,695.29	22.29	27.04	-126.84	760.78	-289.48	1,022.19	974.37	47.82	21.376		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,849.30	4,938.11	4,828.41	22.76	27.45	-127.78	760.40	-290.05	1,031.84	983.10	48.74	21.169		
5,000.00	4,948.13	5,047.66	4,937.91	23.22	27.80	-128.55	758.30	-287.87	1,038.65	989.13	49.52	20.975		
5,100.00	5,046.95	5,140.16	5,030.38	23.69	28.11	-129.18	756.92	-286.10	1,045.93	995.71	50.21	20.830		
5,200.00	5,145.77	5,230.19	5,120.40	24.16	28.40	-129.78	756.06	-284.88	1,054.07	1,003.18	50.89	20.712		
5,300.00	5,244.59	5,329.50	5,219.70	24.62	28.73	-130.43	755.25	-284.03	1,062.86	1,011.24	51.63	20.587		
5,400.00	5,343.42	5,433.61	5,323.80	25.09	29.08	-131.08	754.54	-282.68	1,071.45	1,019.05	52.41	20.445		
5,500.00	5,442.24	5,525.26	5,415.44	25.56	29.40	-131.62	754.35	-281.39	1,080.26	1,027.14	53.12	20.337		
5,600.00	5,541.06	5,612.68	5,502.86	26.03	29.71	-132.12	754.71	-280.77	1,090.06	1,036.26	53.80	20.260		
5,700.00	5,639.89	5,707.89	5,598.07	26.50	30.05	-132.63	755.79	-280.45	1,100.59	1,046.04	54.55	20.175		
5,800.00	5,738.71	5,799.75	5,689.91	26.96	30.38	-133.09	757.37	-280.47	1,111.77	1,056.49	55.28	20.111		
5,900.00	5,837.53	5,896.32	5,786.46	27.43	30.73	-133.57	759.19	-280.79	1,123.37	1,067.32	56.05	20.044		
6,000.00	5,936.35	5,993.21	5,883.34	27.90	31.07	-134.05	760.76	-281.55	1,135.37	1,078.56	56.81	19.987		
6,100.00	6,035.18	6,099.19	5,989.31	28.37	31.43	-134.67	760.58	-282.81	1,147.17	1,089.56	57.61	19.911		
6,200.00	6,134.00	6,216.44	6,106.54	28.84	31.81	-135.39	758.96	-283.46	1,158.09	1,099.60	58.49	19.800		
6,300.00	6,232.82	6,308.07	6,198.16	29.31	32.12	-135.93	757.69	-283.23	1,168.38	1,109.20	59.19	19.740		
6,400.00	6,331.64	6,391.61	6,281.70	29.77	32.41	-136.39	757.38	-283.65	1,179.83	1,120.00	59.83	19.719		
6,477.15	6,407.89	6,461.45	6,351.53	30.14	32.65	-136.75	757.53	-284.58	1,189.47	1,129.10	60.37	19.703		
6,500.00	6,430.52	6,482.54	6,372.62	30.24	32.72	-130.71	757.60	-284.91	1,192.02	1,131.48	60.53	19.692		
6,550.00	6,480.31	6,530.20	6,420.27	30.46	32.89	-95.63	757.84	-285.72	1,195.03	1,134.14	60.90	19.624		
6,600.00	6,530.22	6,578.39	6,468.45	30.66	33.05	-27.40	758.30	-286.54	1,194.48	1,133.22	61.25	19.500		
6,650.00	6,579.93	6,623.94	6,514.00	30.85	33.22	-2.59	758.92	-287.36	1,190.38	1,128.80	61.58	19.329		
6,700.00	6,629.13	6,668.88	6,558.91	31.04	33.38	6.11	759.69	-288.30	1,182.84	1,120.94	61.90	19.107		
6,750.00	6,677.53	6,713.53	6,603.54	31.23	33.54	10.61	760.62	-289.35	1,171.89	1,109.67	62.22	18.834		
6,800.00	6,724.83	6,757.36	6,647.34	31.43	33.69	13.64	761.71	-290.48	1,157.59	1,095.05	62.54	18.511		
6,850.00	6,770.73	6,801.92	6,691.87	31.63	33.85	16.09	762.98	-291.68	1,140.00	1,077.14	62.86	18.135		
6,900.00	6,814.95	6,845.20	6,735.12	31.84	34.01	18.35	764.35	-292.87	1,119.19	1,056.01	63.18	17.714		
6,950.00	6,857.22	6,893.57	6,783.44	32.06	34.19	20.75	765.94	-294.12	1,095.20	1,031.64	63.56	17.231		
7,000.00	6,897.28	6,940.68	6,830.52	32.29	34.36	23.40	767.43	-295.06	1,068.03	1,004.09	63.94	16.703		
7,050.00	6,934.88	6,976.07	6,865.89	32.54	34.49	26.23	768.55	-295.69	1,038.08	973.85	64.23	16.162		
7,100.00	6,969.79	7,008.69	6,898.48	32.81	34.62	29.47	769.68	-296.34	1,005.76	941.25	64.51	15.590		
7,150.00	7,001.79	7,039.31	6,929.07	33.11	34.73	33.27	770.81	-297.01	971.32	906.51	64.80	14.989		
7,200.00	7,030.69	7,068.19	6,957.92	33.44	34.84	37.77	771.95	-297.66	934.99	869.88	65.11	14.360		
7,250.00	7,056.31	7,093.92	6,983.62	33.81	34.94	43.03	773.03	-298.23	897.07	831.64	65.43	13.709		
7,300.00	7,078.48	7,116.34	7,006.01	34.21	35.02	49.05	774.02	-298.73	857.90	792.13	65.78	13.042		
7,350.00	7,097.08	7,135.17	7,024.82	34.65	35.09	55.77	774.87	-299.15	817.85	751.70	66.15	12.363		
7,400.00	7,112.00	7,150.53	7,040.16	35.12	35.15	62.97	775.56	-299.52	777.31	710.74	66.57	11.677		
7,450.00	7,123.12	7,162.35	7,051.96	35.64	35.19	70.30	776.09	-299.81	736.69	669.65	67.04	10.989		
7,500.00	7,130.40	7,170.53	7,060.13	36.19	35.23	77.33	776.46	-300.01	696.45	628.87	67.58	10.305		
7,550.00	7,133.78	7,174.98	7,064.57	36.77	35.24	83.67	776.66	-300.13	657.07	588.86	68.21	9.633		
7,574.97	7,134.00	7,175.78	7,065.38	37.06	35.25	86.48	776.70	-300.15	637.88	569.33	68.55	9.305		
7,600.00	7,133.73	7,176.11	7,065.71	37.37	35.25	86.52	776.71	-300.16	619.06	550.13	68.93	8.981		
7,700.00	7,132.66	7,177.45	7,067.04	38.71	35.25	86.71	776.77	-300.19	548.82	478.06	70.76	7.756		
7,800.00	7,131.59	7,178.80	7,068.39	40.20	35.26	86.90	776.83	-300.23	489.05	415.93	73.12	6.688		
7,900.00	7,130.52	7,180.17	7,069.76	41.84	35.26	87.09	776.89	-300.26	444.00	368.21	75.78	5.859		
8,000.00	7,129.45	7,181.56	7,071.15	43.60	35.27	87.28	776.95	-300.30	418.44	340.35	78.09	5.358		
8,060.23	7,128.81	7,182.40	7,071.99	44.73	35.27	87.40	776.99	-300.32	414.08	335.11	78.97	5.243 CC, ES, SF		
8,100.00	7,128.38	7,182.97	7,072.55	45.47	35.27	87.47	777.02	-300.33	415.99	336.74	79.24	5.249		
8,200.00	7,127.31	7,184.39	7,073.98	47.44	35.28	87.67	777.08	-300.37	437.03	358.07	78.96	5.535		
8,300.00	7,126.24	7,185.84	7,075.42	49.49	35.28	87.87	777.14	-300.41	478.48	400.78	77.70	6.158		
8,400.00	7,125.17	7,187.31	7,076.88	51.61	35.29	88.07	777.21	-300.45	535.61	459.52	76.10	7.038		
8,500.00	7,124.10	7,188.79	7,078.37	53.81	35.29	88.28	777.28	-300.49	604.00	529.44	74.56	8.101		
8,600.00	7,123.03	7,190.30	7,079.88	56.06	35.30	88.49	777.34	-300.53	680.26	607.02	73.24	9.288		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,121.96	7,191.83	7,081.40	58.36	35.31	88.70	777.41	-300.57	762.03	689.87	72.16	10.560		
8,800.00	7,120.89	7,193.38	7,082.95	60.71	35.31	88.91	777.48	-300.61	847.71	776.42	71.28	11.892		
8,900.00	7,119.82	7,194.95	7,084.52	63.10	35.32	89.13	777.55	-300.65	936.23	865.65	70.58	13.265		
9,000.00	7,118.75	7,196.55	7,086.11	65.53	35.32	89.35	777.62	-300.70	1,026.86	956.85	70.01	14.668		
9,100.00	7,117.68	7,198.17	7,087.73	67.98	35.33	89.58	777.69	-300.74	1,119.09	1,049.54	69.54	16.092		
9,200.00	7,116.61	7,199.81	7,089.37	70.47	35.34	89.80	777.76	-300.79	1,212.54	1,143.38	69.16	17.532		
9,300.00	7,115.54	7,201.48	7,091.04	72.98	35.34	90.03	777.84	-300.83	1,306.97	1,238.12	68.84	18.985		
9,400.00	7,114.47	7,203.17	7,092.73	75.52	35.35	90.27	777.91	-300.88	1,402.16	1,333.58	68.58	20.446		
9,500.00	7,113.40	7,204.88	7,094.44	78.08	35.36	90.50	777.99	-300.93	1,497.98	1,429.62	68.36	21.914		
9,600.00	7,112.33	7,206.63	7,096.18	80.65	35.36	90.74	778.07	-300.98	1,594.31	1,526.14	68.17	23.387		
9,700.00	7,111.26	7,208.40	7,097.95	83.25	35.37	90.99	778.14	-301.03	1,691.07	1,623.05	68.01	24.863		
9,800.00	7,110.19	7,210.19	7,099.74	85.86	35.38	91.23	778.22	-301.08	1,788.18	1,720.30	67.88	26.343		
9,900.00	7,109.12	7,212.02	7,101.56	88.48	35.38	91.49	778.30	-301.13	1,885.59	1,817.82	67.77	27.824		
10,000.00	7,108.04	7,213.87	7,103.41	91.12	35.39	91.74	778.39	-301.18	1,983.26	1,915.59	67.67	29.307		
10,100.00	7,106.97	7,215.75	7,105.29	93.77	35.40	92.00	778.47	-301.23	2,081.15	2,013.56	67.59	30.791		
10,200.00	7,105.90	7,217.66	7,107.20	96.43	35.40	92.26	778.55	-301.29	2,179.22	2,111.70	67.52	32.274		
10,300.00	7,104.83	7,219.60	7,109.14	99.10	35.41	92.53	778.64	-301.34	2,277.47	2,210.00	67.46	33.758		
10,400.00	7,103.76	7,221.58	7,111.11	101.78	35.42	92.80	778.73	-301.40	2,375.86	2,308.44	67.42	35.241		
10,500.00	7,102.69	7,223.58	7,113.11	104.47	35.43	93.07	778.81	-301.46	2,474.37	2,407.00	67.38	36.724		
10,600.00	7,101.62	7,225.62	7,115.15	107.16	35.43	93.35	778.90	-301.52	2,573.00	2,505.66	67.35	38.205		
10,700.00	7,100.55	7,227.69	7,117.21	109.87	35.44	93.64	778.99	-301.58	2,671.74	2,604.41	67.32	39.685		
10,800.00	7,099.48	7,224.81	7,114.34	112.58	35.43	93.24	778.86	-301.48	2,770.57	2,703.27	67.30	41.166		
10,900.00	7,098.41	7,226.21	7,115.73	115.29	35.44	93.43	778.91	-301.52	2,869.47	2,802.18	67.29	42.644		
11,000.00	7,097.34	7,227.59	7,117.11	118.02	35.44	93.62	778.97	-301.56	2,968.45	2,901.17	67.28	44.120		
11,100.00	7,096.27	7,228.95	7,118.48	120.74	35.45	93.81	779.03	-301.59	3,067.49	3,000.22	67.28	45.594		
11,200.00	7,095.20	7,230.31	7,119.83	123.48	35.45	93.99	779.09	-301.63	3,166.60	3,099.32	67.28	47.067		
11,300.00	7,094.13	7,231.65	7,121.17	126.22	35.46	94.18	779.14	-301.67	3,265.75	3,198.47	67.28	48.537		
11,400.00	7,093.06	7,232.99	7,122.51	128.96	35.46	94.36	779.20	-301.70	3,364.96	3,297.67	67.29	50.006		
11,500.00	7,091.99	7,234.31	7,123.82	131.71	35.47	94.54	779.25	-301.74	3,464.21	3,396.90	67.30	51.472		
11,600.00	7,090.92	7,235.62	7,125.13	134.46	35.47	94.72	779.31	-301.77	3,563.50	3,496.18	67.32	52.935		
11,700.00	7,089.85	7,236.91	7,126.43	137.21	35.48	94.89	779.36	-301.81	3,662.83	3,595.49	67.34	54.397		
11,800.00	7,088.78	7,238.20	7,127.71	139.97	35.48	95.07	779.41	-301.84	3,762.20	3,694.84	67.36	55.855		
11,900.00	7,087.71	7,239.48	7,128.99	142.73	35.49	95.24	779.46	-301.88	3,861.59	3,794.21	67.38	57.311		
12,000.00	7,086.64	7,240.74	7,130.25	145.50	35.49	95.41	779.52	-301.91	3,961.02	3,893.61	67.40	58.765		
12,100.00	7,085.57	7,241.99	7,131.50	148.26	35.49	95.59	779.57	-301.94	4,060.47	3,993.04	67.43	60.215		
12,200.00	7,084.50	7,243.24	7,132.74	151.03	35.50	95.75	779.62	-301.98	4,159.96	4,092.49	67.46	61.663		
12,300.00	7,083.43	7,244.47	7,133.97	153.81	35.50	95.92	779.67	-302.01	4,259.46	4,191.96	67.49	63.108		
12,400.00	7,082.36	7,245.69	7,135.20	156.58	35.51	96.09	779.71	-302.04	4,358.99	4,291.46	67.53	64.550		
12,500.00	7,081.29	7,246.90	7,136.41	159.36	35.51	96.25	779.76	-302.07	4,458.53	4,390.97	67.57	65.989		
12,600.00	7,080.22	7,248.11	7,137.61	162.14	35.52	96.41	779.81	-302.10	4,558.10	4,490.50	67.60	67.424		
12,700.00	7,079.15	7,249.30	7,138.80	164.92	35.52	96.57	779.86	-302.13	4,657.69	4,590.04	67.64	68.857		
12,800.00	7,078.08	7,250.48	7,139.98	167.71	35.53	96.73	779.90	-302.17	4,757.29	4,689.60	67.68	70.286		
12,900.00	7,077.01	7,251.65	7,141.15	170.49	35.53	96.89	779.95	-302.20	4,856.91	4,789.18	67.73	71.712		
13,000.00	7,075.93	7,252.82	7,142.31	173.28	35.54	97.05	780.00	-302.23	4,956.54	4,888.77	67.77	73.135		
13,100.00	7,074.86	7,253.97	7,143.46	176.07	35.54	97.20	780.04	-302.26	5,056.19	4,988.37	67.82	74.554		
13,200.00	7,073.79	7,255.11	7,144.61	178.86	35.54	97.36	780.08	-302.29	5,155.85	5,087.98	67.87	75.970		
13,300.00	7,072.72	7,256.25	7,145.74	181.65	35.55	97.51	780.13	-302.31	5,255.52	5,187.60	67.92	77.382		
13,400.00	7,071.65	7,257.37	7,146.86	184.45	35.55	97.66	780.17	-302.34	5,355.21	5,287.24	67.97	78.791		
13,500.00	7,070.58	7,258.49	7,147.98	187.25	35.56	97.81	780.21	-302.37	5,454.90	5,386.88	68.02	80.196		
13,600.00	7,069.51	7,259.60	7,149.09	190.04	35.56	97.96	780.26	-302.40	5,554.61	5,486.54	68.07	81.597		
13,700.00	7,068.44	7,260.70	7,150.18	192.84	35.56	98.11	780.30	-302.43	5,654.33	5,586.20	68.13	82.995		
13,800.00	7,067.37	7,261.79	7,151.27	195.64	35.57	98.25	780.34	-302.46	5,754.05	5,685.87	68.18	84.389		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,066.30	7,262.87	7,152.35	198.44	35.57	98.40	780.38	-302.48	5,853.79	5,785.55	68.24	85.779		
14,000.00	7,065.23	7,263.94	7,153.42	201.24	35.58	98.54	780.42	-302.51	5,953.53	5,885.23	68.30	87.166		
14,100.00	7,064.16	7,265.00	7,154.49	204.05	35.58	98.68	780.46	-302.54	6,053.29	5,984.93	68.36	88.548		
14,200.00	7,063.09	7,266.06	7,155.54	206.85	35.58	98.82	780.50	-302.56	6,153.05	6,084.63	68.42	89.927		
14,300.00	7,062.02	7,267.11	7,156.59	209.66	35.59	98.96	780.54	-302.59	6,252.82	6,184.33	68.49	91.302		
14,400.00	7,060.95	7,268.15	7,157.63	212.46	35.59	99.10	780.58	-302.62	6,352.59	6,284.04	68.55	92.673		
14,500.00	7,059.88	7,269.18	7,158.66	215.27	35.60	99.24	780.62	-302.64	6,452.37	6,383.76	68.61	94.040		
14,600.00	7,058.81	7,270.20	7,159.68	218.08	35.60	99.37	780.66	-302.67	6,552.16	6,483.48	68.68	95.402		
14,700.00	7,057.74	7,271.22	7,160.70	220.89	35.60	99.51	780.69	-302.69	6,651.96	6,583.21	68.75	96.761		
14,800.00	7,056.67	7,272.23	7,161.70	223.70	35.61	99.64	780.73	-302.72	6,751.76	6,682.94	68.81	98.116		
14,900.00	7,055.60	7,273.23	7,162.70	226.51	35.61	99.77	780.77	-302.74	6,851.56	6,782.68	68.88	99.466		
15,000.00	7,054.53	7,274.22	7,163.70	229.32	35.62	99.90	780.80	-302.77	6,951.37	6,882.42	68.95	100.813		
15,100.00	7,053.46	7,275.21	7,164.68	232.14	35.62	100.03	780.84	-302.79	7,051.19	6,982.16	69.02	102.155		
15,200.00	7,052.39	7,276.18	7,165.66	234.95	35.62	100.16	780.87	-302.82	7,151.01	7,081.91	69.10	103.493		
15,300.00	7,051.32	7,277.16	7,166.63	237.76	35.63	100.29	780.91	-302.84	7,250.84	7,181.67	69.17	104.827		
15,400.00	7,050.25	7,278.12	7,167.59	240.58	35.63	100.42	780.94	-302.86	7,350.67	7,281.42	69.24	106.156		
15,500.00	7,049.18	7,279.08	7,168.54	243.39	35.63	100.54	780.98	-302.89	7,450.50	7,381.18	69.32	107.482		
15,600.00	7,048.11	7,280.02	7,169.49	246.21	35.64	100.67	781.01	-302.91	7,550.34	7,480.95	69.39	108.802		
15,703.32	7,047.00	7,281.00	7,170.47	249.12	35.64	100.80	781.05	-302.93	7,653.50	7,584.03	69.47	110.163		
15,703.90	7,046.99	7,281.00	7,170.47	249.13	35.64	100.80	781.05	-302.93	7,654.08	7,584.61	69.47	110.170		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-72.36	303.49	-954.25	1,002.15					
100.00	100.00	56.37	56.36	3.28	3.29	-72.35	303.59	-954.30	1,001.43	994.86	6.57	152.386		
200.00	200.00	148.09	148.09	3.34	3.34	-72.31	304.53	-954.75	1,002.21	995.53	6.68	150.130		
300.00	300.00	245.72	245.70	3.44	3.44	-72.22	306.44	-955.52	1,003.56	996.67	6.89	145.681		
400.00	399.98	330.13	330.06	3.60	3.57	-138.78	308.71	-956.70	1,007.04	999.85	7.18	140.233		
500.00	499.84	402.99	402.82	3.80	3.71	-138.70	311.51	-959.00	1,015.18	1,007.64	7.54	134.660		
600.00	599.45	476.54	476.14	4.05	3.88	-138.60	315.67	-963.05	1,028.65	1,020.69	7.96	129.182		
700.00	698.70	550.74	549.95	4.32	4.08	-138.50	321.00	-968.51	1,046.97	1,038.53	8.44	124.047		
740.00	738.27	579.10	578.11	4.45	4.16	-138.46	323.20	-971.05	1,055.69	1,047.04	8.64	122.130		
800.00	797.57	622.19	620.84	4.63	4.29	-138.60	326.64	-975.46	1,069.81	1,060.85	8.95	119.502		
900.00	896.39	700.19	698.03	4.96	4.55	-138.84	333.00	-984.63	1,094.85	1,085.35	9.50	115.244		
1,000.00	995.21	779.49	776.32	5.32	4.84	-139.08	339.97	-995.17	1,121.54	1,111.45	10.08	111.248		
1,100.00	1,094.03	867.98	863.53	5.69	5.19	-139.32	348.21	-1,007.68	1,149.19	1,138.48	10.71	107.261		
1,200.00	1,192.86	936.79	931.22	6.07	5.49	-139.53	354.22	-1,018.45	1,178.18	1,166.88	11.30	104.236		
1,300.00	1,291.68	996.82	990.01	6.47	5.76	-139.78	358.42	-1,029.83	1,209.79	1,197.92	11.87	101.962		
1,400.00	1,390.50	1,050.89	1,042.60	6.88	6.03	-140.01	362.52	-1,041.71	1,244.37	1,231.97	12.40	100.343		
1,500.00	1,489.33	1,109.71	1,099.35	7.29	6.35	-140.24	367.79	-1,056.22	1,281.80	1,268.85	12.95	98.950		
1,600.00	1,588.15	1,178.81	1,165.58	7.71	6.75	-140.48	374.54	-1,074.78	1,321.46	1,307.90	13.56	97.481		
1,700.00	1,686.97	1,269.81	1,252.71	8.14	7.31	-140.80	383.27	-1,099.52	1,361.48	1,347.20	14.28	95.320		
1,800.00	1,785.79	1,343.34	1,322.87	8.57	7.78	-141.01	391.02	-1,120.11	1,402.49	1,387.56	14.93	93.952		
1,900.00	1,884.62	1,444.19	1,419.05	9.01	8.46	-141.18	404.11	-1,147.44	1,443.24	1,427.49	15.75	91.620		
2,000.00	1,983.44	1,513.00	1,484.41	9.45	8.95	-141.25	414.00	-1,166.56	1,484.95	1,468.56	16.39	90.598		
2,100.00	2,082.26	1,582.59	1,550.18	9.89	9.46	-141.32	424.41	-1,186.78	1,527.98	1,510.94	17.04	89.677		
2,200.00	2,181.09	1,688.26	1,649.92	10.33	10.26	-141.37	441.17	-1,217.39	1,571.23	1,553.28	17.95	87.540		
2,300.00	2,279.91	1,801.84	1,757.47	10.78	11.12	-141.36	460.51	-1,248.34	1,613.16	1,594.23	18.93	85.197		
2,400.00	2,378.73	1,908.69	1,858.93	11.23	11.92	-141.29	479.73	-1,275.78	1,653.86	1,633.97	19.89	83.167		
2,500.00	2,477.55	2,015.18	1,960.26	11.68	12.72	-141.23	498.57	-1,302.54	1,694.02	1,673.17	20.84	81.271		
2,600.00	2,576.38	2,094.01	2,035.44	12.13	13.31	-141.20	512.21	-1,321.99	1,733.68	1,712.07	21.60	80.253		
2,700.00	2,675.20	2,184.03	2,120.94	12.59	13.99	-141.17	528.00	-1,345.28	1,774.45	1,752.00	22.45	79.040		
2,800.00	2,774.02	2,282.09	2,214.46	13.04	14.74	-141.16	544.18	-1,369.97	1,814.31	1,790.95	23.36	77.663		
2,900.00	2,872.85	2,357.46	2,286.28	13.50	15.32	-141.19	555.96	-1,389.53	1,854.70	1,830.60	24.10	76.960		
3,000.00	2,971.67	2,438.51	2,363.21	13.96	15.95	-141.18	569.74	-1,411.01	1,895.91	1,871.03	24.89	76.185		
3,100.00	3,070.49	2,519.77	2,440.26	14.41	16.60	-141.16	583.95	-1,432.54	1,937.29	1,911.61	25.68	75.439		
3,200.00	3,169.31	2,584.79	2,501.54	14.87	17.13	-141.10	596.71	-1,450.13	1,979.68	1,953.34	26.34	75.153		
3,300.00	3,268.14	2,657.35	2,569.48	15.33	17.74	-140.99	612.55	-1,470.06	2,023.05	1,995.97	27.08	74.717		
3,400.00	3,366.96	3,142.63	3,034.02	15.79	21.18	-140.26	711.17	-1,563.77	2,061.08	2,030.16	30.92	66.661		
3,500.00	3,465.78	3,339.55	3,228.97	16.25	22.13	-140.39	731.53	-1,582.15	2,084.52	2,052.20	32.32	64.501		
3,600.00	3,564.61	3,542.67	3,431.55	16.72	22.92	-140.78	740.56	-1,593.26	2,102.31	2,068.70	33.61	62.551		
3,700.00	3,663.43	3,706.74	3,595.55	17.18	23.43	-141.23	741.05	-1,596.97	2,116.11	2,081.46	34.65	61.069		
3,800.00	3,762.25	3,815.96	3,704.75	17.64	23.74	-141.56	739.72	-1,598.63	2,129.28	2,093.78	35.50	59.978		
3,900.00	3,861.07	3,917.02	3,805.80	18.10	24.02	-141.87	738.28	-1,599.78	2,142.09	2,105.77	36.33	58.969		
4,000.00	3,959.90	4,010.20	3,898.95	18.57	24.29	-142.15	736.57	-1,600.97	2,154.98	2,117.86	37.13	58.041		
4,100.00	4,058.72	4,081.58	3,970.30	19.03	24.50	-142.38	735.08	-1,602.52	2,168.73	2,130.87	37.86	57.276		
4,200.00	4,157.54	4,205.76	4,094.42	19.50	24.89	-142.75	733.29	-1,605.51	2,183.02	2,144.24	38.78	56.293		
4,300.00	4,256.37	4,340.61	4,229.27	19.96	25.30	-143.06	734.02	-1,604.94	2,194.81	2,155.09	39.72	55.260		
4,400.00	4,355.19	4,438.26	4,326.90	20.43	25.61	-143.25	735.46	-1,604.05	2,206.55	2,166.00	40.55	54.419		
4,500.00	4,454.01	4,524.16	4,412.79	20.89	25.88	-143.42	736.83	-1,603.51	2,218.62	2,177.27	41.35	53.659		
4,600.00	4,552.83	4,628.38	4,516.99	21.36	26.22	-143.61	738.76	-1,603.06	2,230.96	2,188.76	42.21	52.855		
4,700.00	4,651.66	4,715.37	4,603.97	21.82	26.51	-143.78	740.30	-1,602.84	2,243.48	2,200.46	43.02	52.154		
4,800.00	4,750.48	4,863.01	4,751.59	22.29	26.96	-144.12	739.95	-1,600.83	2,254.21	2,210.21	43.99	51.238		
4,900.00	4,849.30	4,948.95	4,837.52	22.76	27.22	-144.32	739.29	-1,599.62	2,265.14	2,220.36	44.78	50.583		
5,000.00	4,948.13	5,033.48	4,922.04	23.22	27.48	-144.51	739.07	-1,598.85	2,276.69	2,231.13	45.56	49.968		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,119.97	5,008.53	23.69	27.76	-144.71	739.01	-1,598.59	2,288.90	2,242.54	46.36	49.373		
5,200.00	5,145.77	5,204.47	5,093.03	24.16	28.05	-144.89	739.17	-1,598.73	2,301.66	2,254.50	47.16	48.808		
5,300.00	5,244.59	5,295.11	5,183.67	24.62	28.37	-145.08	739.61	-1,599.42	2,315.06	2,267.08	47.98	48.249		
5,400.00	5,343.42	5,381.93	5,270.48	25.09	28.68	-145.27	739.77	-1,600.29	2,328.70	2,279.91	48.79	47.728		
5,500.00	5,442.24	5,462.73	5,351.27	25.56	28.97	-145.44	740.21	-1,601.73	2,343.17	2,293.59	49.58	47.264		
5,600.00	5,541.06	5,559.47	5,447.98	26.03	29.33	-145.62	741.80	-1,603.75	2,358.17	2,307.74	50.43	46.759		
5,700.00	5,639.89	5,731.48	5,619.95	26.50	29.94	-145.94	743.93	-1,604.69	2,371.68	2,320.11	51.57	45.989		
5,800.00	5,738.71	5,826.18	5,714.65	26.96	30.25	-146.14	743.53	-1,603.82	2,383.44	2,331.05	52.39	45.492		
5,900.00	5,837.53	5,907.79	5,796.25	27.43	30.53	-146.31	743.26	-1,603.68	2,395.97	2,342.79	53.17	45.061		
6,000.00	5,936.35	5,997.33	5,885.79	27.90	30.84	-146.50	743.09	-1,603.92	2,408.99	2,355.01	53.99	44.622		
6,100.00	6,035.18	6,083.09	5,971.55	28.37	31.15	-146.67	743.15	-1,604.50	2,422.48	2,367.69	54.79	44.213		
6,200.00	6,134.00	6,162.93	6,051.38	28.84	31.44	-146.82	743.66	-1,605.49	2,436.65	2,381.08	55.57	43.846		
6,300.00	6,232.82	6,241.00	6,129.43	29.31	31.74	-146.96	744.65	-1,607.08	2,451.71	2,395.36	56.35	43.512		
6,400.00	6,331.64	6,383.87	6,272.24	29.77	32.30	-147.18	747.57	-1,609.82	2,467.03	2,409.61	57.42	42.968		
6,477.15	6,407.89	6,480.61	6,368.98	30.14	32.65	-147.37	747.66	-1,609.97	2,477.08	2,418.92	58.16	42.591		
6,500.00	6,430.52	6,501.97	6,390.33	30.24	32.73	-141.23	747.35	-1,610.01	2,479.62	2,421.27	58.35	42.497		
6,550.00	6,480.31	6,543.03	6,431.39	30.46	32.87	-105.99	746.77	-1,610.17	2,482.51	2,423.78	58.73	42.272		
6,600.00	6,530.22	6,587.98	6,476.34	30.66	33.03	-37.73	746.24	-1,610.50	2,481.72	2,422.62	59.10	41.989		
6,650.00	6,579.93	6,686.53	6,574.87	30.85	33.36	-13.07	744.60	-1,610.23	2,476.51	2,416.84	59.67	41.505		
6,700.00	6,629.13	6,745.65	6,633.97	31.04	33.56	-4.56	743.40	-1,609.45	2,467.00	2,406.94	60.06	41.076		
6,750.00	6,677.53	6,793.43	6,681.74	31.23	33.72	-0.33	742.52	-1,608.68	2,453.61	2,393.21	60.40	40.624		
6,800.00	6,724.83	6,836.19	6,724.48	31.43	33.87	2.31	742.08	-1,608.01	2,436.63	2,375.92	60.70	40.139		
6,850.00	6,770.73	6,875.27	6,763.57	31.63	34.00	4.24	741.95	-1,607.43	2,416.17	2,355.18	60.98	39.619		
6,900.00	6,814.95	6,911.70	6,799.99	31.84	34.13	5.82	741.93	-1,606.99	2,392.40	2,331.16	61.24	39.066		
6,950.00	6,857.22	6,947.21	6,835.50	32.06	34.26	7.28	741.99	-1,606.66	2,365.46	2,303.99	61.48	38.477		
7,000.00	6,897.28	6,984.76	6,873.05	32.29	34.39	8.73	742.14	-1,606.36	2,335.46	2,273.75	61.71	37.845		
7,050.00	6,934.88	7,020.01	6,908.30	32.54	34.52	10.29	742.38	-1,606.10	2,302.54	2,240.61	61.92	37.184		
7,100.00	6,969.79	7,052.73	6,941.02	32.81	34.64	12.05	742.68	-1,605.87	2,266.90	2,204.79	62.11	36.496		
7,150.00	7,001.79	7,082.73	6,971.01	33.11	34.75	14.12	743.01	-1,605.68	2,228.77	2,166.49	62.28	35.786		
7,200.00	7,030.69	7,109.81	6,998.09	33.44	34.85	16.66	743.37	-1,605.52	2,188.37	2,125.94	62.43	35.055		
7,250.00	7,056.31	7,134.15	7,022.42	33.81	34.94	19.89	743.72	-1,605.38	2,145.96	2,083.40	62.56	34.305		
7,300.00	7,078.48	7,155.39	7,043.67	34.21	35.02	24.13	744.03	-1,605.27	2,101.78	2,039.12	62.67	33.539		
7,350.00	7,097.08	7,173.19	7,061.46	34.65	35.09	29.88	744.28	-1,605.19	2,056.13	1,993.37	62.76	32.761		
7,400.00	7,112.00	7,187.42	7,075.69	35.12	35.14	37.89	744.49	-1,605.12	2,009.29	1,946.45	62.84	31.975		
7,450.00	7,123.12	7,198.00	7,086.27	35.64	35.18	49.19	744.64	-1,605.08	1,961.54	1,898.64	62.90	31.183		
7,500.00	7,130.40	7,204.85	7,093.11	36.19	35.21	64.64	744.74	-1,605.05	1,913.20	1,850.24	62.96	30.389		
7,550.00	7,133.78	7,207.91	7,096.18	36.77	35.22	83.35	744.78	-1,605.03	1,864.56	1,801.56	63.00	29.596		
7,574.97	7,134.00	7,208.01	7,096.28	37.06	35.22	92.88	744.78	-1,605.03	1,840.26	1,777.24	63.02	29.201		
7,600.00	7,133.73	7,207.64	7,095.91	37.37	35.22	92.83	744.78	-1,605.03	1,815.92	1,752.88	63.04	28.806		
7,700.00	7,132.66	7,206.15	7,094.41	38.71	35.22	92.63	744.75	-1,605.04	1,718.89	1,655.75	63.15	27.221		
7,800.00	7,131.59	7,204.65	7,092.92	40.20	35.21	92.43	744.73	-1,605.05	1,622.22	1,558.92	63.30	25.629		
7,900.00	7,130.52	7,203.14	7,091.41	41.84	35.20	92.22	744.71	-1,605.05	1,525.98	1,462.47	63.51	24.028		
8,000.00	7,129.45	7,201.64	7,089.90	43.60	35.20	92.02	744.69	-1,605.06	1,430.25	1,366.44	63.80	22.417		
8,100.00	7,128.38	7,200.12	7,088.39	45.47	35.19	91.82	744.67	-1,605.07	1,335.14	1,270.94	64.20	20.795		
8,200.00	7,127.31	7,198.60	7,086.87	47.44	35.19	91.62	744.65	-1,605.07	1,240.80	1,176.05	64.75	19.164		
8,300.00	7,126.24	7,197.08	7,085.35	49.49	35.18	91.41	744.63	-1,605.08	1,147.42	1,081.94	65.48	17.523		
8,400.00	7,125.17	7,195.55	7,083.82	51.61	35.18	91.21	744.60	-1,605.09	1,055.25	988.78	66.47	15.876		
8,500.00	7,124.10	7,194.02	7,082.29	53.81	35.17	91.00	744.58	-1,605.09	964.64	896.83	67.81	14.227		
8,600.00	7,123.03	7,192.48	7,080.75	56.06	35.16	90.79	744.56	-1,605.10	876.07	806.46	69.61	12.586		
8,700.00	7,121.96	7,190.94	7,079.21	58.36	35.16	90.59	744.54	-1,605.11	790.23	718.20	72.03	10.970		
8,800.00	7,120.89	7,189.39	7,077.66	60.71	35.15	90.38	744.52	-1,605.11	708.11	632.83	75.29	9.406		
8,900.00	7,119.82	7,187.83	7,076.10	63.10	35.15	90.17	744.49	-1,605.12	631.18	551.59	79.58	7.931		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,118.75	7,186.27	7,074.54	65.53	35.14	89.96	744.47	-1,605.13	561.55	476.45	85.10	6.599		
9,100.00	7,117.68	7,184.71	7,072.98	67.98	35.13	89.75	744.45	-1,605.13	502.28	410.47	91.80	5.471		
9,200.00	7,116.61	7,183.14	7,071.41	70.47	35.13	89.54	744.43	-1,605.14	457.41	358.30	99.11	4.615		
9,300.00	7,115.54	7,181.56	7,069.83	72.98	35.12	89.33	744.40	-1,605.15	431.46	325.84	105.62	4.085		
9,365.35	7,114.84	7,180.53	7,068.80	74.64	35.12	89.19	744.39	-1,605.15	426.49	317.93	108.55	3.929 CC, ES		
9,400.00	7,114.47	7,179.98	7,068.25	75.52	35.12	89.12	744.38	-1,605.16	427.89	318.38	109.51	3.907 SF		
9,500.00	7,113.40	7,178.40	7,066.67	78.08	35.11	88.90	744.36	-1,605.16	447.23	337.36	109.87	4.071		
9,600.00	7,112.33	7,176.81	7,065.08	80.65	35.10	88.69	744.34	-1,605.17	486.76	379.41	107.36	4.534		
9,700.00	7,111.26	7,175.21	7,063.48	83.25	35.10	88.47	744.31	-1,605.18	542.08	438.69	103.39	5.243		
9,800.00	7,110.19	7,173.61	7,061.88	85.86	35.09	88.26	744.29	-1,605.18	608.91	509.78	99.13	6.143		
9,900.00	7,109.12	7,172.00	7,060.27	88.48	35.09	88.04	744.27	-1,605.19	683.87	588.71	95.15	7.187		
10,000.00	7,108.04	7,170.39	7,058.66	91.12	35.08	87.83	744.24	-1,605.20	764.57	672.89	91.68	8.340		
10,100.00	7,106.97	7,168.77	7,057.04	93.77	35.07	87.61	744.22	-1,605.21	849.39	760.66	88.73	9.573		
10,200.00	7,105.90	7,167.15	7,055.42	96.43	35.07	87.39	744.20	-1,605.22	937.21	850.96	86.25	10.866		
10,300.00	7,104.83	7,165.52	7,053.79	99.10	35.06	87.17	744.17	-1,605.22	1,027.25	943.09	84.17	12.205		
10,400.00	7,103.76	7,163.88	7,052.15	101.78	35.06	86.95	744.15	-1,605.23	1,118.99	1,036.57	82.41	13.578		
10,500.00	7,102.69	7,162.24	7,050.51	104.47	35.05	86.73	744.13	-1,605.24	1,212.02	1,131.10	80.93	14.976		
10,600.00	7,101.62	7,160.59	7,048.87	107.16	35.04	86.51	744.10	-1,605.25	1,306.09	1,226.43	79.67	16.395		
10,700.00	7,100.55	7,158.94	7,047.21	109.87	35.04	86.29	744.08	-1,605.26	1,400.98	1,322.39	78.58	17.828		
10,800.00	7,099.48	7,157.28	7,045.56	112.58	35.03	86.07	744.05	-1,605.26	1,496.53	1,418.88	77.65	19.273		
10,900.00	7,098.41	7,155.62	7,043.89	115.29	35.02	85.85	744.03	-1,605.27	1,592.62	1,515.78	76.84	20.726		
11,000.00	7,097.34	7,153.95	7,042.22	118.02	35.02	85.62	744.01	-1,605.28	1,689.17	1,613.04	76.13	22.187		
11,100.00	7,096.27	7,152.28	7,040.55	120.74	35.01	85.40	743.98	-1,605.29	1,786.10	1,710.58	75.52	23.652		
11,200.00	7,095.20	7,150.60	7,038.87	123.48	35.01	85.17	743.96	-1,605.30	1,883.34	1,808.37	74.97	25.121		
11,300.00	7,094.13	7,148.91	7,037.18	126.22	35.00	84.95	743.93	-1,605.31	1,980.86	1,906.37	74.49	26.592		
11,400.00	7,093.06	7,147.22	7,035.49	128.96	34.99	84.72	743.91	-1,605.31	2,078.61	2,004.55	74.06	28.066		
11,500.00	7,091.99	7,145.52	7,033.79	131.71	34.99	84.50	743.88	-1,605.32	2,176.57	2,102.89	73.68	29.541		
11,600.00	7,090.92	7,143.81	7,032.09	134.46	34.98	84.27	743.86	-1,605.33	2,274.70	2,201.36	73.34	31.016		
11,700.00	7,089.85	7,142.10	7,030.38	137.21	34.97	84.04	743.83	-1,605.34	2,372.99	2,299.96	73.04	32.491		
11,800.00	7,088.78	7,140.39	7,028.66	139.97	34.97	83.81	743.81	-1,605.35	2,471.41	2,398.65	72.76	33.966		
11,900.00	7,087.71	7,138.66	7,026.94	142.73	34.96	83.58	743.78	-1,605.36	2,569.96	2,497.44	72.52	35.440		
12,000.00	7,086.64	7,136.94	7,025.21	145.50	34.95	83.35	743.76	-1,605.37	2,668.61	2,596.32	72.29	36.913		
12,100.00	7,085.57	7,135.20	7,023.48	148.26	34.95	83.12	743.73	-1,605.38	2,767.36	2,695.26	72.09	38.386		
12,200.00	7,084.50	7,133.46	7,021.74	151.03	34.94	82.89	743.71	-1,605.39	2,866.19	2,794.28	71.91	39.856		
12,300.00	7,083.43	7,131.71	7,019.99	153.81	34.93	82.66	743.68	-1,605.40	2,965.10	2,893.35	71.75	41.325		
12,400.00	7,082.36	7,129.96	7,018.24	156.58	34.93	82.43	743.66	-1,605.41	3,064.08	2,992.48	71.60	42.793		
12,500.00	7,081.29	7,128.20	7,016.48	159.36	34.92	82.19	743.63	-1,605.42	3,163.13	3,091.66	71.47	44.258		
12,600.00	7,080.22	7,126.43	7,014.71	162.14	34.91	81.96	743.61	-1,605.42	3,262.23	3,190.88	71.35	45.721		
12,700.00	7,079.15	7,124.66	7,012.94	164.92	34.91	81.73	743.58	-1,605.43	3,361.38	3,290.14	71.24	47.182		
12,800.00	7,078.08	7,122.88	7,011.16	167.71	34.90	81.49	743.55	-1,605.44	3,460.58	3,389.44	71.15	48.641		
12,900.00	7,077.01	7,121.10	7,009.38	170.49	34.89	81.26	743.53	-1,605.45	3,559.83	3,488.77	71.06	50.098		
13,000.00	7,075.93	7,119.31	7,007.59	173.28	34.89	81.02	743.50	-1,605.46	3,659.11	3,588.13	70.98	51.551		
13,100.00	7,074.86	7,117.58	7,005.86	176.07	34.88	80.79	743.48	-1,605.47	3,758.43	3,687.52	70.91	53.003		
13,200.00	7,073.79	7,115.86	7,004.14	178.86	34.87	80.57	743.45	-1,605.48	3,857.79	3,786.94	70.85	54.451		
13,300.00	7,072.72	7,114.14	7,002.41	181.65	34.87	80.34	743.43	-1,605.49	3,957.18	3,886.38	70.79	55.896		
13,400.00	7,071.65	7,112.41	7,000.69	184.45	34.86	80.11	743.40	-1,605.50	4,056.60	3,985.85	70.75	57.339		
13,500.00	7,070.58	7,110.68	6,998.95	187.25	34.86	79.89	743.38	-1,605.51	4,156.04	4,085.33	70.71	58.779		
13,600.00	7,069.51	7,108.94	6,997.22	190.04	34.85	79.66	743.35	-1,605.52	4,255.51	4,184.84	70.67	60.216		
13,700.00	7,068.44	7,107.20	6,995.47	192.84	34.84	79.43	743.33	-1,605.53	4,355.01	4,284.36	70.64	61.650		
13,800.00	7,067.37	7,105.45	6,993.73	195.64	34.84	79.21	743.30	-1,605.54	4,454.52	4,383.90	70.62	63.080		
13,900.00	7,066.30	7,103.70	6,991.98	198.44	34.83	78.98	743.28	-1,605.55	4,554.06	4,483.46	70.60	64.508		
14,000.00	7,065.23	7,101.94	6,990.22	201.24	34.82	78.75	743.26	-1,605.56	4,653.61	4,583.03	70.58	65.932		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	7,100.18	6,988.46	204.05	34.82	78.52	743.23	-1,605.57	4,753.19	4,682.62	70.57	67.353		
14,200.00	7,063.09	7,098.41	6,986.69	206.85	34.81	78.29	743.21	-1,605.58	4,852.78	4,782.21	70.56	68.771		
14,300.00	7,062.02	7,096.64	6,984.92	209.66	34.80	78.06	743.19	-1,605.60	4,952.38	4,881.82	70.56	70.185		
14,400.00	7,060.95	7,094.87	6,983.15	212.46	34.80	77.83	743.16	-1,605.61	5,052.01	4,981.44	70.56	71.596		
14,500.00	7,059.88	7,093.09	6,981.37	215.27	34.79	77.60	743.14	-1,605.62	5,151.64	5,081.07	70.57	73.003		
14,600.00	7,058.81	7,091.30	6,979.58	218.08	34.78	77.37	743.12	-1,605.63	5,251.29	5,180.71	70.58	74.407		
14,700.00	7,057.74	7,089.51	6,977.79	220.89	34.78	77.14	743.09	-1,605.64	5,350.95	5,280.36	70.59	75.807		
14,800.00	7,056.67	7,087.72	6,976.00	223.70	34.77	76.91	743.07	-1,605.65	5,450.62	5,380.02	70.60	77.204		
14,900.00	7,055.60	7,085.92	6,974.20	226.51	34.76	76.68	743.05	-1,605.66	5,550.31	5,479.69	70.62	78.597		
15,000.00	7,054.53	7,084.11	6,972.39	229.32	34.76	76.45	743.03	-1,605.67	5,650.00	5,579.37	70.64	79.987		
15,100.00	7,053.46	7,082.30	6,970.58	232.14	34.75	76.22	743.00	-1,605.68	5,749.71	5,679.05	70.66	81.372		
15,200.00	7,052.39	7,080.49	6,968.77	234.95	34.74	75.99	742.98	-1,605.69	5,849.42	5,778.74	70.68	82.755		
15,300.00	7,051.32	7,078.67	6,966.95	237.76	34.74	75.76	742.96	-1,605.70	5,949.15	5,878.44	70.71	84.133		
15,400.00	7,050.25	7,076.84	6,965.13	240.58	34.73	75.53	742.94	-1,605.72	6,048.88	5,978.14	70.74	85.507		
15,500.00	7,049.18	7,075.01	6,963.30	243.39	34.72	75.30	742.92	-1,605.73	6,148.62	6,077.85	70.77	86.878		
15,600.00	7,048.11	7,073.18	6,961.46	246.21	34.72	75.06	742.90	-1,605.74	6,248.37	6,177.56	70.81	88.245		
15,703.32	7,047.00	7,071.28	6,959.56	249.12	34.71	74.82	742.87	-1,605.75	6,351.43	6,280.59	70.84	89.653		
15,703.90	7,046.99	7,071.27	6,959.55	249.13	34.71	74.82	742.87	-1,605.75	6,352.02	6,281.17	70.85	89.661		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-73.92	272.53	-945.63	984.85					
100.00	100.00	57.12	57.12	3.28	3.29	-73.92	272.55	-945.73	984.23	977.66	6.57	149.759		
200.00	200.00	146.49	146.49	3.34	3.34	-73.93	272.72	-946.64	985.26	978.59	6.68	147.594		
300.00	300.00	249.91	249.89	3.44	3.45	-73.93	273.11	-948.15	986.77	979.88	6.89	143.136		
400.00	399.98	340.01	339.97	3.60	3.59	-140.62	273.23	-949.71	989.83	982.63	7.19	137.574		
500.00	499.84	440.71	440.64	3.80	3.79	-140.85	271.95	-952.38	996.09	988.49	7.60	131.150		
600.00	599.45	540.85	540.63	4.05	4.03	-141.33	267.78	-955.55	1,004.83	996.75	8.07	124.480		
700.00	698.70	625.35	624.81	4.32	4.26	-141.93	261.69	-959.58	1,017.19	1,008.61	8.58	118.532		
740.00	738.27	658.85	658.13	4.45	4.36	-142.21	258.84	-961.61	1,023.34	1,014.54	8.80	116.239		
800.00	797.57	709.58	708.53	4.63	4.52	-142.77	254.28	-965.08	1,033.38	1,024.23	9.15	112.994		
900.00	896.39	803.05	801.27	4.96	4.85	-143.84	244.93	-972.11	1,050.83	1,041.05	9.78	107.466		
1,000.00	995.21	895.03	892.42	5.32	5.19	-144.89	235.16	-979.49	1,069.01	1,058.57	10.45	102.311		
1,100.00	1,094.03	983.41	979.84	5.69	5.54	-145.94	224.70	-987.26	1,088.13	1,076.99	11.14	97.654		
1,200.00	1,192.86	1,050.75	1,046.13	6.07	5.84	-146.79	215.38	-994.51	1,109.24	1,097.46	11.78	94.155		
1,300.00	1,291.68	1,123.56	1,117.39	6.47	6.18	-147.77	203.99	-1,004.20	1,133.01	1,120.55	12.46	90.928		
1,400.00	1,390.50	1,203.99	1,195.74	6.88	6.59	-148.87	190.45	-1,016.26	1,158.79	1,145.59	13.20	87.819		
1,500.00	1,489.33	1,285.60	1,274.93	7.29	7.03	-150.01	175.56	-1,029.26	1,185.92	1,171.97	13.96	84.980		
1,600.00	1,588.15	1,363.01	1,349.65	7.71	7.47	-151.11	160.33	-1,042.54	1,214.71	1,200.01	14.71	82.601		
1,700.00	1,686.97	1,443.69	1,427.24	8.14	7.96	-152.25	143.86	-1,057.33	1,245.17	1,229.68	15.49	80.393		
1,800.00	1,785.79	1,535.79	1,515.52	8.57	8.54	-153.54	123.97	-1,074.44	1,276.46	1,260.09	16.36	78.008		
1,900.00	1,884.62	1,632.84	1,608.17	9.01	9.18	-154.91	101.33	-1,092.36	1,308.28	1,290.99	17.29	75.660		
2,000.00	1,983.44	1,733.50	1,704.52	9.45	9.86	-156.26	78.04	-1,109.87	1,339.70	1,321.44	18.26	73.369		
2,100.00	2,082.26	1,805.65	1,773.28	9.89	10.36	-157.24	60.25	-1,122.55	1,372.03	1,353.01	19.02	72.140		
2,200.00	2,181.09	1,868.00	1,832.19	10.33	10.81	-158.10	43.89	-1,134.79	1,406.83	1,387.13	19.70	71.420		
2,300.00	2,279.91	1,944.81	1,904.57	10.78	11.39	-159.11	23.90	-1,150.94	1,443.50	1,423.01	20.49	70.435		
2,400.00	2,378.73	2,048.98	2,003.16	11.23	12.17	-160.35	-1.76	-1,172.67	1,480.45	1,458.93	21.52	68.793		
2,500.00	2,477.55	2,133.73	2,083.56	11.68	12.81	-161.30	-22.17	-1,190.07	1,517.46	1,495.09	22.37	67.822		
2,600.00	2,576.38	2,232.97	2,177.73	12.13	13.55	-162.36	-46.09	-1,210.29	1,554.75	1,531.40	23.36	66.570		
2,700.00	2,675.20	2,329.86	2,269.88	12.59	14.28	-163.34	-69.19	-1,229.27	1,591.64	1,567.33	24.31	65.464		
2,800.00	2,774.02	2,392.02	2,329.00	13.04	14.75	-163.92	-83.51	-1,242.08	1,629.69	1,604.74	24.96	65.303		
2,900.00	2,872.85	2,502.48	2,434.01	13.50	15.59	-164.90	-108.69	-1,265.36	1,668.46	1,642.43	26.03	64.097		
3,000.00	2,971.67	2,578.00	2,505.84	13.96	16.16	-165.56	-126.25	-1,280.65	1,706.86	1,680.07	26.79	63.712		
3,100.00	3,070.49	2,641.89	2,566.47	14.41	16.66	-166.09	-141.12	-1,294.26	1,746.53	1,719.10	27.44	63.658		
3,200.00	3,169.31	2,713.40	2,633.98	14.87	17.23	-166.67	-157.89	-1,310.80	1,788.00	1,759.84	28.15	63.508		
3,300.00	3,268.14	2,896.26	2,807.20	15.33	18.66	-168.14	-202.70	-1,348.36	1,827.70	1,797.77	29.92	61.080		
3,400.00	3,366.96	2,990.09	2,896.66	15.79	19.37	-168.86	-225.61	-1,365.01	1,865.08	1,834.23	30.85	60.448		
3,500.00	3,465.78	3,112.23	3,013.01	16.25	20.30	-169.81	-256.51	-1,385.64	1,902.25	1,870.21	32.04	59.366		
3,600.00	3,564.61	3,204.10	3,101.19	16.72	20.97	-170.41	-277.22	-1,400.93	1,938.64	1,905.70	32.94	58.849		
3,700.00	3,663.43	3,253.42	3,148.56	17.18	21.33	-170.70	-287.56	-1,409.94	1,976.19	1,942.74	33.45	59.074		
3,800.00	3,762.25	3,433.20	3,321.17	17.64	22.63	-171.73	-326.28	-1,441.86	2,014.51	1,979.40	35.11	57.371		
3,900.00	3,861.07	3,553.59	3,437.12	18.10	23.48	-172.50	-354.80	-1,457.17	2,048.13	2,011.87	36.25	56.496		
4,000.00	3,959.90	3,617.05	3,498.11	18.57	23.93	-172.91	-370.25	-1,465.35	2,082.40	2,045.48	36.92	56.408		
4,100.00	4,058.72	3,669.96	3,548.89	19.03	24.32	-173.23	-383.06	-1,472.97	2,118.22	2,080.74	37.48	56.515		
4,200.00	4,157.54	3,733.00	3,608.96	19.50	24.79	-173.61	-399.00	-1,483.47	2,156.25	2,118.13	38.13	56.556		
4,300.00	4,256.37	3,770.86	3,644.82	19.96	25.10	-173.85	-409.01	-1,490.34	2,195.91	2,157.39	38.53	56.996		
4,400.00	4,355.19	3,835.94	3,706.18	20.43	25.63	-174.26	-427.00	-1,502.49	2,237.04	2,197.85	39.18	57.091		
4,500.00	4,454.01	3,914.67	3,780.17	20.89	26.28	-174.75	-449.28	-1,517.57	2,278.97	2,238.99	39.98	57.003		
4,600.00	4,552.83	4,021.24	3,880.27	21.36	27.16	-175.41	-479.79	-1,537.70	2,321.01	2,279.95	41.06	56.526		
4,700.00	4,651.66	4,194.14	4,044.98	21.82	28.50	-176.23	-521.61	-1,569.25	2,361.00	2,318.26	42.74	55.236		
4,800.00	4,750.48	4,246.73	4,095.61	22.29	28.88	-176.40	-531.40	-1,579.55	2,400.39	2,357.14	43.26	55.493		
4,900.00	4,849.30	4,307.55	4,154.02	22.76	29.32	-176.56	-542.17	-1,592.65	2,441.19	2,397.35	43.84	55.686		
5,000.00	4,948.13	4,413.79	4,255.60	23.22	30.12	-176.89	-563.45	-1,615.35	2,482.80	2,437.95	44.85	55.357		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,046.95	5,100.00	4,602.79	23.69	34.48	-177.99	-630.94	-1,673.56	2,521.65	2,472.07	49.58	50.858		
5,200.00	5,145.77	4,890.00	4,718.48	24.16	33.24	-178.25	-647.00	-1,686.38	2,551.71	2,502.73	48.98	52.098		
5,300.00	5,244.59	5,035.89	4,862.43	24.62	34.03	-178.52	-664.92	-1,701.86	2,581.20	2,531.03	50.17	51.450		
5,400.00	5,343.42	5,295.65	5,120.46	25.09	35.23	-178.88	-688.16	-1,719.67	2,605.26	2,553.34	51.93	50.171		
5,500.00	5,442.24	5,529.18	5,353.43	25.56	36.14	-179.13	-702.24	-1,726.07	2,625.77	2,572.42	53.34	49.224		
5,600.00	5,541.06	5,651.12	5,475.33	26.03	36.53	-179.20	-705.59	-1,726.15	2,642.07	2,587.84	54.23	48.716		
5,700.00	5,639.89	5,741.14	5,565.31	26.50	36.82	-179.26	-708.19	-1,726.39	2,658.69	2,603.67	55.02	48.323		
5,800.00	5,738.71	5,893.91	5,718.06	26.96	37.26	-179.27	-708.85	-1,726.80	2,674.43	2,618.45	55.98	47.777		
5,900.00	5,837.53	5,975.49	5,799.62	27.43	37.47	-179.24	-707.18	-1,727.24	2,689.43	2,632.74	56.70	47.435		
6,000.00	5,936.35	6,069.44	5,893.54	27.90	37.72	-179.19	-705.16	-1,728.19	2,704.83	2,647.38	57.45	47.079		
6,100.00	6,035.18	6,163.96	5,988.04	28.37	37.98	-179.15	-703.08	-1,729.24	2,720.32	2,662.10	58.21	46.729		
6,200.00	6,134.00	6,248.17	6,072.21	28.84	38.22	-179.10	-701.06	-1,730.67	2,736.25	2,677.30	58.95	46.418		
6,300.00	6,232.82	6,347.25	6,171.25	29.31	38.50	-179.05	-698.77	-1,732.61	2,752.46	2,692.73	59.73	46.082		
6,400.00	6,331.64	6,445.07	6,269.02	29.77	38.78	-178.99	-696.21	-1,734.45	2,768.49	2,707.98	60.51	45.753		
6,477.15	6,407.89	6,510.14	6,334.05	30.14	38.97	-178.95	-694.70	-1,735.84	2,781.13	2,720.05	61.08	45.533		
6,500.00	6,430.52	6,530.07	6,353.97	30.24	39.03	-172.60	-694.29	-1,736.30	2,784.55	2,723.30	61.25	45.462		
6,550.00	6,480.31	6,573.97	6,397.85	30.46	39.16	-137.09	-693.48	-1,737.34	2,789.44	2,727.83	61.61	45.273		
6,600.00	6,530.22	6,621.65	6,445.51	30.66	39.30	-68.77	-692.69	-1,738.51	2,790.74	2,728.77	61.97	45.031		
6,650.00	6,579.93	6,670.16	6,494.00	30.85	39.45	-44.20	-691.91	-1,739.72	2,788.38	2,726.07	62.32	44.745		
6,700.00	6,629.13	6,722.52	6,546.34	31.04	39.62	-36.07	-691.01	-1,741.04	2,782.36	2,719.70	62.66	44.406		
6,750.00	6,677.53	6,774.74	6,598.53	31.23	39.78	-32.49	-689.93	-1,742.36	2,772.66	2,709.68	62.98	44.023		
6,800.00	6,724.83	6,826.65	6,650.40	31.43	39.93	-30.77	-688.58	-1,743.71	2,759.34	2,696.05	63.29	43.601		
6,850.00	6,770.73	6,873.94	6,697.65	31.63	40.08	-30.05	-687.10	-1,744.99	2,742.51	2,678.95	63.56	43.149		
6,900.00	6,814.95	6,916.26	6,739.93	31.84	40.20	-29.97	-685.70	-1,746.19	2,722.36	2,658.56	63.80	42.672		
6,950.00	6,857.22	6,962.04	6,785.66	32.06	40.34	-30.43	-684.14	-1,747.53	2,699.03	2,635.00	64.03	42.150		
7,000.00	6,897.28	7,014.82	6,838.39	32.29	40.50	-31.43	-682.22	-1,748.95	2,672.52	2,608.24	64.28	41.577		
7,050.00	6,934.88	7,057.12	6,880.64	32.54	40.62	-32.84	-680.59	-1,749.96	2,643.00	2,578.53	64.48	40.992		
7,100.00	6,969.79	7,093.52	6,917.01	32.81	40.73	-34.71	-679.18	-1,750.82	2,610.82	2,546.17	64.65	40.387		
7,150.00	7,001.79	7,127.01	6,950.46	33.11	40.83	-37.13	-677.88	-1,751.61	2,576.18	2,511.39	64.80	39.757		
7,200.00	7,030.69	7,152.80	6,976.22	33.44	40.90	-40.09	-676.88	-1,752.24	2,539.37	2,474.45	64.92	39.114		
7,250.00	7,056.31	7,176.58	6,999.98	33.81	40.97	-43.78	-675.94	-1,752.82	2,500.62	2,435.58	65.04	38.447		
7,300.00	7,078.48	7,197.43	7,020.81	34.21	41.04	-48.31	-675.12	-1,753.42	2,460.19	2,395.04	65.15	37.762		
7,350.00	7,097.08	7,216.21	7,039.57	34.65	41.09	-53.84	-674.37	-1,753.95	2,418.34	2,353.08	65.26	37.057		
7,400.00	7,112.00	7,233.52	7,056.86	35.12	41.14	-60.51	-673.67	-1,754.45	2,375.31	2,309.94	65.37	36.335		
7,450.00	7,123.12	7,246.81	7,070.13	35.64	41.18	-68.25	-673.13	-1,754.82	2,331.40	2,265.92	65.49	35.601		
7,500.00	7,130.40	7,256.00	7,079.31	36.19	41.21	-76.89	-672.74	-1,755.08	2,286.90	2,221.30	65.60	34.860		
7,550.00	7,133.78	7,261.04	7,084.34	36.77	41.23	-86.03	-672.53	-1,755.22	2,242.11	2,176.38	65.72	34.115		
7,574.97	7,134.00	7,261.99	7,085.29	37.06	41.23	-90.62	-672.49	-1,755.25	2,219.71	2,153.93	65.78	33.742		
7,600.00	7,133.73	7,262.42	7,085.71	37.37	41.23	-90.64	-672.47	-1,755.26	2,197.31	2,131.46	65.85	33.368		
7,700.00	7,132.66	7,264.13	7,087.43	38.71	41.23	-90.74	-672.40	-1,755.31	2,108.38	2,042.20	66.18	31.857		
7,800.00	7,131.59	7,265.84	7,089.14	40.20	41.24	-90.84	-672.33	-1,755.36	2,020.49	1,953.85	66.64	30.321		
7,900.00	7,130.52	7,267.55	7,090.84	41.84	41.25	-90.94	-672.25	-1,755.41	1,933.77	1,866.54	67.23	28.763		
8,000.00	7,129.45	7,269.26	7,092.55	43.60	41.25	-91.04	-672.18	-1,755.46	1,848.39	1,780.40	67.99	27.185		
8,100.00	7,128.38	7,270.97	7,094.25	45.47	41.26	-91.14	-672.11	-1,755.51	1,764.55	1,695.59	68.95	25.590		
8,200.00	7,127.31	7,272.67	7,095.95	47.44	41.26	-91.24	-672.04	-1,755.55	1,682.47	1,612.33	70.14	23.987		
8,300.00	7,126.24	7,274.37	7,097.65	49.49	41.27	-91.34	-671.96	-1,755.60	1,602.43	1,530.84	71.59	22.384		
8,400.00	7,125.17	7,276.07	7,099.35	51.61	41.27	-91.44	-671.89	-1,755.65	1,524.75	1,451.41	73.33	20.792		
8,500.00	7,124.10	7,277.77	7,101.04	53.81	41.28	-91.53	-671.82	-1,755.70	1,449.80	1,374.39	75.41	19.227		
8,600.00	7,123.03	7,279.46	7,102.74	56.06	41.28	-91.63	-671.74	-1,755.75	1,378.03	1,300.19	77.84	17.703		
8,700.00	7,121.96	7,281.15	7,104.43	58.36	41.29	-91.73	-671.67	-1,755.79	1,309.97	1,229.30	80.67	16.238		
8,800.00	7,120.89	7,282.84	7,106.11	60.71	41.29	-91.83	-671.60	-1,755.84	1,246.22	1,162.31	83.91	14.852		
8,900.00	7,119.82	7,284.53	7,107.80	63.10	41.30	-91.93	-671.52	-1,755.89	1,187.48	1,099.92	87.56	13.563		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,000.00	7,118.75	7,286.22	7,109.48	65.53	41.30	-92.03	-671.45	-1,755.94	1,134.52	1,042.93	91.59	12.387		
9,100.00	7,117.68	7,287.90	7,111.16	67.98	41.31	-92.12	-671.38	-1,755.98	1,088.19	992.25	95.94	11.342		
9,200.00	7,116.61	7,289.58	7,112.84	70.47	41.31	-92.22	-671.30	-1,756.03	1,049.37	948.86	100.51	10.440		
9,300.00	7,115.54	7,291.26	7,114.52	72.98	41.32	-92.32	-671.23	-1,756.08	1,018.92	913.78	105.14	9.691		
9,400.00	7,114.47	7,292.94	7,116.20	75.52	41.32	-92.42	-671.16	-1,756.12	997.60	887.98	109.63	9.100		
9,500.00	7,113.40	7,294.61	7,117.87	78.08	41.33	-92.51	-671.08	-1,756.17	986.01	872.25	113.76	8.667		
9,565.00	7,112.70	7,295.70	7,118.95	79.75	41.33	-92.58	-671.04	-1,756.20	983.87	867.71	116.16	8.470 CC		
9,600.00	7,112.33	7,296.29	7,119.54	80.65	41.33	-92.61	-671.01	-1,756.22	984.49	867.16	117.33	8.391 ES		
9,700.00	7,111.26	7,297.96	7,121.21	83.25	41.34	-92.71	-670.94	-1,756.27	993.09	872.90	120.18	8.263 SF		
9,800.00	7,110.19	7,299.63	7,122.87	85.86	41.34	-92.81	-670.86	-1,756.31	1,011.54	889.30	122.23	8.275		
9,900.00	7,109.12	7,301.29	7,124.54	88.48	41.35	-92.90	-670.79	-1,756.36	1,039.33	915.84	123.49	8.416		
10,000.00	7,108.04	7,302.96	7,126.20	91.12	41.35	-93.00	-670.71	-1,756.41	1,075.72	951.71	124.01	8.675		
10,100.00	7,106.97	7,304.62	7,127.86	93.77	41.36	-93.10	-670.64	-1,756.45	1,119.89	995.98	123.91	9.038		
10,200.00	7,105.90	7,306.28	7,129.52	96.43	41.36	-93.19	-670.57	-1,756.50	1,170.95	1,047.62	123.33	9.495		
10,300.00	7,104.83	7,307.93	7,131.17	99.10	41.37	-93.29	-670.49	-1,756.55	1,228.04	1,105.66	122.38	10.035		
10,400.00	7,103.76	7,309.40	7,132.63	101.78	41.37	-93.38	-670.43	-1,756.59	1,290.37	1,169.18	121.19	10.648		
10,500.00	7,102.69	7,311.06	7,134.30	104.47	41.38	-93.47	-670.36	-1,756.64	1,357.20	1,237.37	119.84	11.325		
10,600.00	7,101.62	7,312.74	7,135.97	107.16	41.38	-93.57	-670.28	-1,756.68	1,427.92	1,309.52	118.40	12.060		
10,700.00	7,100.55	7,314.42	7,137.65	109.87	41.39	-93.67	-670.21	-1,756.73	1,501.96	1,385.03	116.94	12.844		
10,800.00	7,099.48	7,316.11	7,139.34	112.58	41.39	-93.77	-670.13	-1,756.78	1,578.87	1,463.39	115.48	13.672		
10,900.00	7,098.41	7,317.81	7,141.03	115.29	41.40	-93.87	-670.06	-1,756.83	1,658.24	1,544.19	114.05	14.539		
11,000.00	7,097.34	7,319.52	7,142.74	118.02	41.40	-93.96	-669.98	-1,756.88	1,739.74	1,627.06	112.68	15.440		
11,100.00	7,096.27	7,321.23	7,144.45	120.74	41.41	-94.06	-669.91	-1,756.93	1,823.08	1,711.72	111.36	16.372		
11,200.00	7,095.20	7,322.96	7,146.18	123.48	41.41	-94.16	-669.83	-1,756.98	1,908.02	1,797.92	110.10	17.329		
11,300.00	7,094.13	7,324.69	7,147.91	126.22	41.42	-94.27	-669.75	-1,757.03	1,994.35	1,885.44	108.92	18.311		
11,400.00	7,093.06	7,326.44	7,149.65	128.96	41.42	-94.37	-669.68	-1,757.08	2,081.91	1,974.11	107.80	19.313		
11,500.00	7,091.99	7,328.19	7,151.40	131.71	41.43	-94.47	-669.60	-1,757.13	2,170.54	2,063.80	106.74	20.335		
11,600.00	7,090.92	7,329.95	7,153.15	134.46	41.43	-94.57	-669.52	-1,757.18	2,260.12	2,154.37	105.75	21.372		
11,700.00	7,089.85	7,331.72	7,154.92	137.21	41.44	-94.67	-669.44	-1,757.23	2,350.54	2,245.72	104.82	22.425		
11,800.00	7,088.78	7,333.49	7,156.69	139.97	41.44	-94.78	-669.36	-1,757.28	2,441.70	2,337.76	103.94	23.491		
11,900.00	7,087.71	7,335.28	7,158.48	142.73	41.45	-94.88	-669.28	-1,757.33	2,533.53	2,430.41	103.12	24.568		
12,000.00	7,086.64	7,337.08	7,160.27	145.50	41.45	-94.99	-669.20	-1,757.38	2,625.96	2,523.61	102.35	25.656		
12,100.00	7,085.57	7,338.88	7,162.07	148.26	41.46	-95.09	-669.12	-1,757.44	2,718.92	2,617.29	101.63	26.754		
12,200.00	7,084.50	7,340.70	7,163.89	151.03	41.46	-95.20	-669.04	-1,757.49	2,812.36	2,711.41	100.95	27.860		
12,300.00	7,083.43	7,342.52	7,165.71	153.81	41.47	-95.30	-668.96	-1,757.54	2,906.24	2,805.93	100.31	28.973		
12,400.00	7,082.36	7,344.35	7,167.54	156.58	41.48	-95.41	-668.88	-1,757.60	3,000.51	2,900.80	99.71	30.093		
12,500.00	7,081.29	7,346.20	7,169.38	159.36	41.48	-95.52	-668.80	-1,757.65	3,095.14	2,996.00	99.14	31.219		
12,600.00	7,080.22	7,348.05	7,171.23	162.14	41.49	-95.62	-668.71	-1,757.70	3,190.10	3,091.49	98.61	32.351		
12,700.00	7,079.15	7,349.91	7,173.09	164.92	41.49	-95.73	-668.63	-1,757.76	3,285.36	3,187.25	98.11	33.487		
12,800.00	7,078.08	7,351.78	7,174.96	167.71	41.50	-95.84	-668.55	-1,757.81	3,380.88	3,283.25	97.63	34.628		
12,900.00	7,077.01	7,353.66	7,176.84	170.49	41.50	-95.95	-668.46	-1,757.87	3,476.66	3,379.48	97.19	35.772		
13,000.00	7,075.93	7,355.55	7,178.72	173.28	41.51	-96.06	-668.38	-1,757.93	3,572.67	3,475.91	96.77	36.920		
13,100.00	7,074.86	7,357.46	7,180.62	176.07	41.51	-96.17	-668.30	-1,757.98	3,668.90	3,572.53	96.37	38.071		
13,200.00	7,073.79	7,359.37	7,182.53	178.86	41.52	-96.28	-668.21	-1,758.04	3,765.31	3,669.32	96.00	39.224		
13,300.00	7,072.72	7,361.29	7,184.45	181.65	41.53	-96.39	-668.12	-1,758.10	3,861.91	3,766.27	95.64	40.379		
13,400.00	7,071.65	7,363.22	7,186.38	184.45	41.53	-96.50	-668.04	-1,758.15	3,958.68	3,863.38	95.31	41.537		
13,500.00	7,070.58	7,365.16	7,188.32	187.25	41.54	-96.62	-667.95	-1,758.21	4,055.60	3,960.62	94.99	42.696		
13,600.00	7,069.51	7,367.11	7,190.27	190.04	41.54	-96.73	-667.86	-1,758.27	4,152.67	4,057.98	94.69	43.856		
13,700.00	7,068.44	7,369.07	7,192.22	192.84	41.55	-96.84	-667.78	-1,758.33	4,249.88	4,155.47	94.40	45.018		
13,800.00	7,067.37	7,371.05	7,194.19	195.64	41.56	-96.96	-667.69	-1,758.39	4,347.21	4,253.07	94.14	46.180		
13,900.00	7,066.30	7,373.03	7,196.18	198.44	41.56	-97.07	-667.60	-1,758.44	4,444.65	4,350.77	93.88	47.343		
14,000.00	7,065.23	7,375.03	7,198.17	201.24	41.57	-97.19	-667.51	-1,758.50	4,542.21	4,448.57	93.64	48.507		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,064.16	7,377.03	7,200.17	204.05	41.57	-97.30	-667.42	-1,758.56	4,639.87	4,546.46	93.41	49.670		
14,200.00	7,063.09	7,379.05	7,202.18	206.85	41.58	-97.42	-667.33	-1,758.63	4,737.63	4,644.43	93.20	50.835		
14,300.00	7,062.02	7,381.07	7,204.21	209.66	41.59	-97.54	-667.24	-1,758.69	4,835.48	4,742.49	92.99	51.999		
14,400.00	7,060.95	7,383.11	7,206.24	212.46	41.59	-97.65	-667.15	-1,758.75	4,933.41	4,840.62	92.80	53.162		
14,500.00	7,059.88	7,385.16	7,208.29	215.27	41.60	-97.77	-667.06	-1,758.81	5,031.43	4,938.81	92.62	54.326		
14,600.00	7,058.81	7,387.22	7,210.34	218.08	41.60	-97.89	-666.96	-1,758.87	5,129.52	5,037.08	92.44	55.489		
14,700.00	7,057.74	7,389.29	7,212.41	220.89	41.61	-98.01	-666.87	-1,758.93	5,227.68	5,135.40	92.28	56.652		
14,800.00	7,056.67	7,391.37	7,214.49	223.70	41.62	-98.13	-666.78	-1,759.00	5,325.91	5,233.79	92.12	57.814		
14,900.00	7,055.60	7,393.47	7,216.58	226.51	41.62	-98.25	-666.68	-1,759.06	5,424.21	5,332.23	91.98	58.975		
15,000.00	7,054.53	7,395.57	7,218.68	229.32	41.63	-98.37	-666.59	-1,759.13	5,522.56	5,430.72	91.84	60.135		
15,100.00	7,053.46	7,397.69	7,220.80	232.14	41.64	-98.50	-666.49	-1,759.19	5,620.97	5,529.27	91.70	61.294		
15,200.00	7,052.39	7,399.82	7,222.92	234.95	41.64	-98.62	-666.40	-1,759.26	5,719.44	5,627.86	91.58	62.452		
15,300.00	7,051.32	7,401.96	7,225.06	237.76	41.65	-98.74	-666.30	-1,759.32	5,817.96	5,726.49	91.46	63.609		
15,400.00	7,050.25	7,401.44	7,224.54	240.58	41.65	-98.71	-666.33	-1,759.30	5,916.53	5,825.18	91.35	64.766		
15,500.00	7,049.18	7,403.24	7,226.34	243.39	41.65	-98.82	-666.25	-1,759.36	6,015.14	5,923.89	91.25	65.921		
15,600.00	7,048.11	7,405.03	7,228.13	246.21	41.66	-98.92	-666.17	-1,759.41	6,113.80	6,022.65	91.15	67.074		
15,703.32	7,047.00	7,406.89	7,229.99	249.12	41.66	-99.03	-666.08	-1,759.47	6,215.78	6,124.73	91.05	68.264		
15,703.90	7,046.99	7,406.90	7,230.00	249.13	41.66	-99.03	-666.08	-1,759.47	6,216.36	6,125.30	91.05	68.271		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-77.09	212.05	-925.31	950.02					
100.00	100.00	60.71	60.71	3.28	3.29	-77.09	212.09	-925.35	949.35	942.78	6.57	144.434		
200.00	200.00	155.82	155.82	3.34	3.34	-77.08	212.44	-925.76	949.85	943.17	6.68	142.169		
300.00	300.00	267.02	267.01	3.44	3.47	-77.12	211.80	-926.18	950.10	943.19	6.91	137.473		
400.00	399.98	400.00	410.81	3.60	3.69	-144.30	203.97	-923.59	948.47	941.16	7.31	129.743		
500.00	499.84	578.75	576.31	3.80	4.16	-145.84	181.37	-910.85	941.34	933.32	8.03	117.262		
600.00	599.45	674.44	670.49	4.05	4.48	-146.94	166.89	-902.17	936.81	928.25	8.55	109.528		
675.63	674.56	746.09	741.08	4.25	4.76	-147.80	156.39	-895.77	935.73	926.73	9.00	103.982		
700.00	698.70	768.93	763.59	4.32	4.85	-148.08	153.08	-893.78	935.84	926.70	9.15	102.302		
740.00	738.27	808.63	802.72	4.45	5.01	-148.58	147.30	-890.33	936.48	927.07	9.41	99.473		
800.00	797.57	868.34	861.52	4.63	5.26	-149.36	138.36	-885.11	937.88	928.05	9.83	95.382		
900.00	896.39	986.82	977.62	4.96	5.81	-151.08	117.64	-874.01	939.72	929.04	10.68	87.954		
1,000.00	995.21	1,116.69	1,103.37	5.32	6.53	-153.28	89.22	-858.41	939.13	927.43	11.70	80.271		
1,100.00	1,094.03	1,227.72	1,209.64	5.69	7.21	-155.38	61.37	-842.37	936.78	924.08	12.70	73.784		
1,200.00	1,192.86	1,331.43	1,308.24	6.07	7.91	-157.45	33.47	-826.34	934.46	920.73	13.72	68.098		
1,300.00	1,291.68	1,430.76	1,402.44	6.47	8.61	-159.47	6.36	-810.28	932.59	917.81	14.77	63.122		
1,400.00	1,390.50	1,528.13	1,494.94	6.88	9.30	-161.41	-19.42	-794.18	931.52	915.68	15.84	58.791		
1,491.22	1,480.65	1,617.75	1,580.01	7.26	9.96	-163.20	-43.12	-778.93	931.11	914.26	16.85	55.249 CC		
1,500.00	1,489.33	1,625.51	1,587.38	7.29	10.01	-163.35	-45.17	-777.61	931.12	914.17	16.95	54.947		
1,600.00	1,588.15	1,718.47	1,675.75	7.71	10.70	-165.19	-69.43	-762.05	932.08	914.04	18.04	51.662 ES		
1,700.00	1,686.97	1,817.58	1,769.99	8.14	11.43	-167.12	-94.99	-745.05	933.70	914.50	19.19	48.644		
1,800.00	1,785.79	1,912.27	1,860.44	8.57	12.13	-168.87	-117.97	-729.01	936.35	916.03	20.32	46.084		
1,900.00	1,884.62	1,997.63	1,942.11	9.01	12.75	-170.42	-138.35	-714.81	940.20	918.81	21.39	43.964		
2,000.00	1,983.44	2,074.95	2,015.91	9.45	13.32	-171.87	-158.18	-703.06	946.69	924.28	22.41	42.251		
2,100.00	2,082.26	2,158.91	2,096.16	9.89	13.94	-173.43	-180.09	-691.68	955.77	932.30	23.48	40.711		
2,200.00	2,181.09	2,265.52	2,198.19	10.33	14.72	-175.35	-207.45	-677.29	965.80	941.07	24.73	39.059		
2,300.00	2,279.91	2,369.15	2,297.31	10.78	15.49	-177.16	-233.43	-661.84	975.24	949.29	25.96	37.574		
2,400.00	2,378.73	2,461.05	2,385.22	11.23	16.17	-178.75	-256.43	-648.10	985.53	958.44	27.09	36.376		
2,500.00	2,477.55	2,558.13	2,478.07	11.68	16.90	-179.61	-280.87	-633.75	996.87	968.60	28.27	35.261		
2,600.00	2,576.38	2,637.95	2,554.36	12.13	17.50	-178.28	-301.23	-622.14	1,009.41	980.10	29.31	34.443		
2,700.00	2,675.20	2,727.67	2,639.59	12.59	18.20	-176.72	-326.24	-609.49	1,024.10	993.65	30.44	33.640		
2,800.00	2,774.02	2,836.33	2,742.53	13.04	19.06	-174.83	-357.01	-593.23	1,039.17	1,007.40	31.77	32.713		
2,900.00	2,872.85	2,935.19	2,836.95	13.50	19.82	-173.29	-382.43	-578.69	1,054.10	1,021.14	32.96	31.982		
3,000.00	2,971.67	3,004.29	2,902.96	13.96	20.34	-172.25	-400.53	-569.28	1,070.82	1,036.96	33.86	31.629		
3,100.00	3,070.49	3,101.80	2,995.80	14.41	21.09	-170.76	-427.42	-556.36	1,089.28	1,054.25	35.03	31.096		
3,200.00	3,169.31	3,219.80	3,108.80	14.87	21.97	-169.13	-457.43	-540.46	1,107.11	1,070.74	36.37	30.440		
3,300.00	3,268.14	3,327.38	3,212.43	15.33	22.74	-167.79	-482.12	-525.50	1,123.78	1,086.21	37.57	29.910		
3,400.00	3,366.96	3,371.00	3,254.65	15.79	23.04	-167.30	-491.43	-519.72	1,141.79	1,103.63	38.16	29.924		
3,500.00	3,465.78	3,371.00	3,254.65	16.25	23.04	-167.30	-491.43	-519.72	1,167.31	1,129.18	38.12	30.621		
3,600.00	3,564.61	3,752.96	3,486.61	16.72	25.94	-158.79	-645.91	-422.92	1,194.61	1,152.87	41.74	28.620		
3,700.00	3,663.43	3,839.89	3,571.11	17.18	26.51	-158.05	-662.77	-411.33	1,213.00	1,170.32	42.68	28.419		
3,800.00	3,762.25	3,950.52	3,678.77	17.64	27.23	-157.15	-683.52	-396.64	1,231.25	1,187.43	43.81	28.101		
3,900.00	3,861.07	4,045.20	3,771.28	18.10	27.81	-156.49	-699.79	-384.73	1,249.08	1,204.29	44.79	27.889		
4,000.00	3,959.90	4,138.42	3,863.12	18.57	28.33	-156.04	-713.41	-376.51	1,267.68	1,221.98	45.70	27.737		
4,100.00	4,058.72	4,236.59	3,960.35	19.03	28.82	-155.74	-725.39	-370.36	1,286.33	1,239.72	46.61	27.597		
4,200.00	4,157.54	4,368.00	4,090.94	19.50	29.43	-155.49	-738.34	-363.38	1,303.97	1,256.27	47.70	27.336		
4,300.00	4,256.37	4,472.84	4,195.47	19.96	29.85	-155.45	-745.05	-359.24	1,319.96	1,271.38	48.58	27.172		
4,400.00	4,355.19	4,579.61	4,302.11	20.43	30.23	-155.52	-749.67	-356.56	1,335.39	1,285.96	49.43	27.015		
4,500.00	4,454.01	4,696.49	4,418.96	20.89	30.59	-155.75	-751.61	-355.58	1,350.03	1,299.75	50.28	26.850		
4,600.00	4,552.83	4,791.40	4,513.87	21.36	30.83	-156.03	-751.17	-355.89	1,363.91	1,312.91	51.00	26.745		
4,700.00	4,651.66	4,885.89	4,608.35	21.82	31.07	-156.32	-750.70	-356.82	1,378.24	1,326.53	51.70	26.656		
4,800.00	4,750.48	4,987.36	4,709.81	22.29	31.32	-156.64	-749.82	-358.28	1,392.65	1,340.21	52.44	26.559		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,849.30	5,087.67	4,810.09	22.76	31.56	156.98	-748.52	-359.90	1,406.91	1,353.75	53.16	26.464		
5,000.00	4,948.13	5,184.69	4,907.07	23.22	31.80	157.33	-746.67	-362.14	1,421.27	1,367.40	53.88	26.381		
5,100.00	5,046.95	5,278.19	5,000.53	23.69	32.03	157.68	-744.83	-364.50	1,435.79	1,381.21	54.58	26.309		
5,200.00	5,145.77	5,366.30	5,088.61	24.16	32.26	157.95	-744.28	-366.40	1,451.04	1,395.78	55.26	26.259		
5,300.00	5,244.59	5,471.34	5,193.62	24.62	32.55	158.25	-744.23	-368.57	1,466.68	1,410.66	56.02	26.179		
5,400.00	5,343.42	5,591.70	5,313.95	25.09	32.87	158.63	-742.40	-370.68	1,481.11	1,424.26	56.85	26.052		
5,500.00	5,442.24	5,706.06	5,428.28	25.56	33.17	158.97	-739.59	-371.58	1,494.23	1,436.57	57.65	25.919		
5,600.00	5,541.06	5,793.51	5,515.69	26.03	33.41	159.24	-737.23	-372.41	1,507.36	1,449.01	58.35	25.834		
5,700.00	5,639.89	5,875.19	5,597.34	26.50	33.63	159.48	-735.80	-373.58	1,521.52	1,462.50	59.02	25.781		
5,800.00	5,738.71	5,971.44	5,693.59	26.96	33.93	159.69	-735.93	-374.08	1,536.34	1,476.56	59.78	25.700		
5,900.00	5,837.53	6,072.57	5,794.69	27.43	34.30	159.79	-738.11	-372.65	1,551.16	1,490.56	60.61	25.594		
6,000.00	5,936.35	6,176.11	5,898.20	27.90	34.66	159.92	-739.81	-371.42	1,565.80	1,504.35	61.44	25.483		
6,100.00	6,035.18	6,279.11	6,001.20	28.37	35.01	160.10	-740.00	-371.09	1,580.09	1,517.83	62.26	25.378		
6,200.00	6,134.00	6,373.63	6,095.72	28.84	35.31	160.28	-739.88	-371.05	1,594.39	1,531.36	63.02	25.298		
6,300.00	6,232.82	6,475.62	6,197.69	29.31	35.62	160.54	-738.64	-372.30	1,608.90	1,545.10	63.80	25.218		
6,400.00	6,331.64	6,573.58	6,295.58	29.77	35.89	160.84	-735.91	-374.62	1,623.23	1,558.69	64.54	25.150		
6,477.15	6,407.89	6,648.66	6,370.58	30.14	36.10	161.10	-733.19	-377.07	1,634.39	1,569.28	65.11	25.103		
6,500.00	6,430.52	6,670.96	6,392.84	30.24	36.16	167.59	-732.29	-377.89	1,637.40	1,572.12	65.27	25.086		
6,550.00	6,480.31	6,748.55	6,470.34	30.46	36.37	-156.69	-729.07	-379.96	1,641.41	1,575.65	65.75	24.963		
6,600.00	6,530.22	6,796.11	6,517.85	30.66	36.51	-88.36	-727.24	-380.49	1,641.94	1,575.85	66.09	24.843		
6,650.00	6,579.93	6,837.64	6,559.38	30.85	36.63	-63.90	-726.14	-380.78	1,639.71	1,573.32	66.39	24.698		
6,700.00	6,629.13	6,873.92	6,595.64	31.04	36.75	-55.95	-725.57	-380.97	1,634.79	1,568.14	66.65	24.527		
6,750.00	6,677.53	6,907.36	6,629.09	31.23	36.85	-52.59	-725.35	-381.28	1,627.41	1,560.52	66.89	24.330		
6,800.00	6,724.83	6,941.00	6,662.72	31.43	36.96	-51.16	-725.42	-381.75	1,617.63	1,550.51	67.11	24.102		
6,850.00	6,770.73	6,980.94	6,702.66	31.63	37.09	-50.87	-725.61	-382.55	1,605.42	1,538.05	67.37	23.831		
6,900.00	6,814.95	7,020.87	6,742.57	31.84	37.22	-51.31	-725.66	-383.66	1,590.75	1,523.13	67.62	23.526		
6,950.00	6,857.22	7,065.06	6,786.73	32.06	37.35	-52.39	-725.48	-385.20	1,573.71	1,505.83	67.88	23.183		
7,000.00	6,897.28	7,108.88	6,830.51	32.29	37.48	-54.00	-724.94	-387.00	1,554.34	1,486.19	68.15	22.808		
7,050.00	6,934.88	7,150.64	6,872.20	32.54	37.60	-56.05	-724.01	-389.05	1,532.85	1,464.44	68.41	22.408		
7,100.00	6,969.79	7,190.54	6,912.01	32.81	37.72	-58.53	-722.51	-391.53	1,509.45	1,440.79	68.66	21.984		
7,150.00	7,001.79	7,232.03	6,953.34	33.11	37.83	-61.51	-720.43	-394.51	1,484.36	1,415.42	68.94	21.530		
7,200.00	7,030.69	7,272.35	6,993.52	33.44	37.94	-64.96	-718.35	-397.12	1,457.77	1,388.53	69.23	21.055		
7,250.00	7,056.31	7,307.77	7,028.83	33.81	38.04	-68.71	-716.53	-399.10	1,430.01	1,360.48	69.53	20.567		
7,300.00	7,078.48	7,332.49	7,053.47	34.21	38.10	-72.41	-715.19	-400.50	1,401.55	1,331.73	69.81	20.075		
7,350.00	7,097.08	7,355.20	7,076.11	34.65	38.17	-76.29	-713.91	-401.79	1,372.71	1,302.58	70.13	19.574		
7,400.00	7,112.00	7,374.12	7,094.97	35.12	38.22	-80.15	-712.81	-402.89	1,343.85	1,273.38	70.47	19.070		
7,450.00	7,123.12	7,389.12	7,109.91	35.64	38.26	-83.90	-711.90	-403.77	1,315.30	1,244.46	70.84	18.567		
7,500.00	7,130.40	7,400.06	7,120.82	36.19	38.29	-87.43	-711.23	-404.42	1,287.40	1,216.15	71.24	18.071		
7,550.00	7,133.78	7,406.86	7,127.59	36.77	38.31	-90.64	-710.81	-404.83	1,260.46	1,188.79	71.67	17.587		
7,574.97	7,134.00	7,408.68	7,129.40	37.06	38.31	-92.10	-710.69	-404.94	1,247.46	1,175.56	71.89	17.351		
7,600.00	7,133.73	7,409.97	7,130.69	37.37	38.32	-92.17	-710.61	-405.02	1,234.78	1,162.66	72.13	17.119		
7,700.00	7,132.66	7,415.17	7,135.87	38.71	38.33	-92.45	-710.28	-405.34	1,188.06	1,114.87	73.19	16.233		
7,800.00	7,131.59	7,420.43	7,141.11	40.20	38.35	-92.73	-709.94	-405.66	1,148.13	1,073.70	74.43	15.425		
7,900.00	7,130.52	7,425.75	7,146.41	41.84	38.36	-93.02	-709.60	-405.98	1,115.75	1,039.92	75.82	14.716		
8,000.00	7,129.45	7,408.00	7,128.73	43.60	38.31	-92.07	-710.73	-404.90	1,091.79	1,014.48	77.30	14.123		
8,100.00	7,128.38	7,408.00	7,128.73	45.47	38.31	-92.07	-710.73	-404.90	1,076.49	997.65	78.84	13.655		
8,200.00	7,127.31	7,408.00	7,128.73	47.44	38.31	-92.07	-710.73	-404.90	1,070.35	990.01	80.34	13.323		
8,215.88	7,127.14	7,408.00	7,128.73	47.76	38.31	-92.07	-710.73	-404.90	1,070.23	989.65	80.58	13.282		
8,300.00	7,126.24	7,408.00	7,128.73	49.49	38.31	-92.07	-710.73	-404.90	1,073.53	991.78	81.76	13.131		
8,400.00	7,125.17	7,408.00	7,128.73	51.61	38.31	-92.07	-710.73	-404.90	1,085.95	1,002.91	83.04	13.077 SF		
8,500.00	7,124.10	7,408.00	7,128.73	53.81	38.31	-92.07	-710.73	-404.90	1,107.30	1,023.14	84.16	13.157		
8,600.00	7,123.03	7,408.00	7,128.73	56.06	38.31	-92.07	-710.73	-404.90	1,137.08	1,051.97	85.11	13.361		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,121.96	7,408.00	7,128.73	58.36	38.31	-92.07	-710.73	-404.90	1,174.64	1,088.76	85.88	13.678		
8,800.00	7,120.89	7,408.00	7,128.73	60.71	38.31	-92.07	-710.73	-404.90	1,219.26	1,132.78	86.48	14.098		
8,900.00	7,119.82	7,408.00	7,128.73	63.10	38.31	-92.07	-710.73	-404.90	1,270.21	1,183.26	86.95	14.609		
9,000.00	7,118.75	7,408.00	7,128.73	65.53	38.31	-92.07	-710.73	-404.90	1,326.74	1,239.46	87.28	15.201		
9,100.00	7,117.68	7,408.00	7,128.73	67.98	38.31	-92.07	-710.73	-404.90	1,388.19	1,300.69	87.50	15.864		
9,200.00	7,116.61	7,408.00	7,128.73	70.47	38.31	-92.07	-710.73	-404.90	1,453.92	1,366.28	87.64	16.590		
9,300.00	7,115.54	7,408.00	7,128.73	72.98	38.31	-92.07	-710.73	-404.90	1,523.39	1,435.68	87.71	17.369		
9,400.00	7,114.47	7,408.00	7,128.73	75.52	38.31	-92.07	-710.73	-404.90	1,596.10	1,508.39	87.72	18.196		
9,500.00	7,113.40	7,408.00	7,128.73	78.08	38.31	-92.07	-710.73	-404.90	1,671.64	1,583.95	87.69	19.064		
9,600.00	7,112.33	7,408.00	7,128.73	80.65	38.31	-92.07	-710.73	-404.90	1,749.63	1,662.01	87.62	19.968		
9,700.00	7,111.26	7,408.00	7,128.73	83.25	38.31	-92.07	-710.73	-404.90	1,829.76	1,742.23	87.53	20.904		
9,800.00	7,110.19	7,408.00	7,128.73	85.86	38.31	-92.07	-710.73	-404.90	1,911.76	1,824.34	87.42	21.868		
9,900.00	7,109.12	7,408.00	7,128.73	88.48	38.31	-92.07	-710.73	-404.90	1,995.41	1,908.11	87.31	22.855		
10,000.00	7,108.04	7,408.00	7,128.73	91.12	38.31	-92.07	-710.73	-404.90	2,080.50	1,993.32	87.18	23.864		
10,100.00	7,106.97	7,408.00	7,128.73	93.77	38.31	-92.07	-710.73	-404.90	2,166.87	2,079.82	87.05	24.892		
10,200.00	7,105.90	7,408.00	7,128.73	96.43	38.31	-92.07	-710.73	-404.90	2,254.36	2,167.44	86.92	25.936		
10,300.00	7,104.83	7,408.00	7,128.73	99.10	38.31	-92.07	-710.73	-404.90	2,342.86	2,256.07	86.79	26.995		
10,400.00	7,103.76	7,408.00	7,128.73	101.78	38.31	-92.07	-710.73	-404.90	2,432.24	2,345.58	86.66	28.067		
10,500.00	7,102.69	7,408.00	7,128.73	104.47	38.31	-92.07	-710.73	-404.90	2,522.42	2,435.89	86.53	29.151		
10,600.00	7,101.62	7,408.00	7,128.73	107.16	38.31	-92.07	-710.73	-404.90	2,613.32	2,526.91	86.41	30.244		
10,700.00	7,100.55	7,408.00	7,128.73	109.87	38.31	-92.07	-710.73	-404.90	2,704.86	2,618.57	86.29	31.347		
10,800.00	7,099.48	7,408.00	7,128.73	112.58	38.31	-92.07	-710.73	-404.90	2,796.98	2,710.81	86.17	32.458		
10,900.00	7,098.41	7,408.00	7,128.73	115.29	38.31	-92.07	-710.73	-404.90	2,889.62	2,803.56	86.06	33.576		
11,000.00	7,097.34	7,408.00	7,128.73	118.02	38.31	-92.07	-710.73	-404.90	2,982.74	2,896.78	85.96	34.700		
11,100.00	7,096.27	7,408.00	7,128.73	120.74	38.31	-92.07	-710.73	-404.90	3,076.29	2,990.43	85.86	35.830		
11,200.00	7,095.20	7,408.00	7,128.73	123.48	38.31	-92.07	-710.73	-404.90	3,170.24	3,084.47	85.76	36.965		
11,300.00	7,094.13	7,408.00	7,128.73	126.22	38.31	-92.07	-710.73	-404.90	3,264.54	3,178.87	85.67	38.105		
11,400.00	7,093.06	7,408.00	7,128.73	128.96	38.31	-92.07	-710.73	-404.90	3,359.17	3,273.59	85.59	39.249		
11,500.00	7,091.99	7,408.00	7,128.73	131.71	38.31	-92.07	-710.73	-404.90	3,454.11	3,368.60	85.51	40.396		
11,600.00	7,090.92	7,408.00	7,128.73	134.46	38.31	-92.07	-710.73	-404.90	3,549.32	3,463.89	85.43	41.547		
11,700.00	7,089.85	7,408.00	7,128.73	137.21	38.31	-92.07	-710.73	-404.90	3,644.79	3,559.43	85.36	42.700		
11,800.00	7,088.78	7,408.00	7,128.73	139.97	38.31	-92.07	-710.73	-404.90	3,740.50	3,655.21	85.29	43.855		
11,900.00	7,087.71	7,408.00	7,128.73	142.73	38.31	-92.07	-710.73	-404.90	3,836.43	3,751.20	85.23	45.013		
12,000.00	7,086.64	7,408.00	7,128.73	145.50	38.31	-92.07	-710.73	-404.90	3,932.56	3,847.39	85.17	46.173		
12,100.00	7,085.57	7,408.00	7,128.73	148.26	38.31	-92.07	-710.73	-404.90	4,028.87	3,943.76	85.12	47.334		
12,200.00	7,084.50	7,408.00	7,128.73	151.03	38.31	-92.07	-710.73	-404.90	4,125.37	4,040.30	85.07	48.496		
12,300.00	7,083.43	7,408.00	7,128.73	153.81	38.31	-92.07	-710.73	-404.90	4,222.02	4,137.00	85.02	49.660		
12,400.00	7,082.36	7,408.00	7,128.73	156.58	38.31	-92.07	-710.73	-404.90	4,318.83	4,233.85	84.98	50.824		
12,500.00	7,081.29	7,408.00	7,128.73	159.36	38.31	-92.07	-710.73	-404.90	4,415.78	4,330.84	84.94	51.990		
12,600.00	7,080.22	7,408.00	7,128.73	162.14	38.31	-92.07	-710.73	-404.90	4,512.86	4,427.96	84.90	53.155		
12,700.00	7,079.15	7,408.00	7,128.73	164.92	38.31	-92.07	-710.73	-404.90	4,610.07	4,525.21	84.87	54.321		
12,800.00	7,078.08	7,408.00	7,128.73	167.71	38.31	-92.07	-710.73	-404.90	4,707.40	4,622.56	84.84	55.488		
12,900.00	7,077.01	7,408.00	7,128.73	170.49	38.31	-92.07	-710.73	-404.90	4,804.83	4,720.02	84.81	56.654		
13,000.00	7,075.93	7,408.00	7,128.73	173.28	38.31	-92.07	-710.73	-404.90	4,902.37	4,817.58	84.79	57.820		
13,100.00	7,074.86	7,408.00	7,128.73	176.07	38.31	-92.07	-710.73	-404.90	5,000.01	4,915.24	84.77	58.986		
13,200.00	7,073.79	7,408.00	7,128.73	178.86	38.31	-92.07	-710.73	-404.90	5,097.73	5,012.99	84.75	60.152		
13,300.00	7,072.72	7,408.00	7,128.73	181.65	38.31	-92.07	-710.73	-404.90	5,195.55	5,110.82	84.73	61.317		
13,400.00	7,071.65	7,408.00	7,128.73	184.45	38.31	-92.07	-710.73	-404.90	5,293.44	5,208.72	84.72	62.482		
13,500.00	7,070.58	7,408.00	7,128.73	187.25	38.31	-92.07	-710.73	-404.90	5,391.42	5,306.71	84.71	63.646		
13,600.00	7,069.51	7,408.00	7,128.73	190.04	38.31	-92.07	-710.73	-404.90	5,489.46	5,404.76	84.70	64.810		
13,700.00	7,068.44	7,408.00	7,128.73	192.84	38.31	-92.07	-710.73	-404.90	5,587.58	5,502.88	84.70	65.972		
13,800.00	7,067.37	7,408.00	7,128.73	195.64	38.31	-92.07	-710.73	-404.90	5,685.76	5,601.07	84.69	67.134		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Boomerang 12C-6-M
Project:	SEC 5-T5N-R66W	TVD Reference:	GL 4770+KB 20 @ 4790.00ft
Reference Site:	Boomerang 21-5	MD Reference:	GL 4770+KB 20 @ 4790.00ft
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Boomerang 12C-6-M	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 16-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,066.30	7,408.00	7,128.73	198.44	38.31	-92.07	-710.73	-404.90	5,784.00	5,699.31	84.69	68.295		
14,000.00	7,065.23	7,408.00	7,128.73	201.24	38.31	-92.07	-710.73	-404.90	5,882.30	5,797.61	84.69	69.454		
14,100.00	7,064.16	7,408.00	7,128.73	204.05	38.31	-92.07	-710.73	-404.90	5,980.66	5,895.97	84.70	70.613		
14,200.00	7,063.09	7,408.00	7,128.73	206.85	38.31	-92.07	-710.73	-404.90	6,079.07	5,994.37	84.70	71.770		
14,300.00	7,062.02	7,408.00	7,128.73	209.66	38.31	-92.07	-710.73	-404.90	6,177.54	6,092.83	84.71	72.926		
14,400.00	7,060.95	7,408.00	7,128.73	212.46	38.31	-92.07	-710.73	-404.90	6,276.05	6,191.33	84.72	74.081		
14,500.00	7,059.88	7,408.00	7,128.73	215.27	38.31	-92.07	-710.73	-404.90	6,374.61	6,289.88	84.73	75.234		
14,600.00	7,058.81	7,408.00	7,128.73	218.08	38.31	-92.07	-710.73	-404.90	6,473.21	6,388.47	84.74	76.386		
14,700.00	7,057.74	7,408.00	7,128.73	220.89	38.31	-92.07	-710.73	-404.90	6,571.85	6,487.10	84.76	77.536		
14,800.00	7,056.67	7,408.00	7,128.73	223.70	38.31	-92.07	-710.73	-404.90	6,670.54	6,585.76	84.78	78.685		
14,900.00	7,055.60	7,408.00	7,128.73	226.51	38.31	-92.07	-710.73	-404.90	6,769.26	6,684.47	84.79	79.832		
15,000.00	7,054.53	7,408.00	7,128.73	229.32	38.31	-92.07	-710.73	-404.90	6,868.02	6,783.21	84.81	80.978		
15,100.00	7,053.46	7,408.00	7,128.73	232.14	38.31	-92.07	-710.73	-404.90	6,966.82	6,881.98	84.84	82.122		
15,200.00	7,052.39	7,408.00	7,128.73	234.95	38.31	-92.07	-710.73	-404.90	7,065.65	6,980.79	84.86	83.264		
15,300.00	7,051.32	7,408.00	7,128.73	237.76	38.31	-92.07	-710.73	-404.90	7,164.51	7,079.63	84.88	84.404		
15,400.00	7,050.25	7,408.00	7,128.73	240.58	38.31	-92.07	-710.73	-404.90	7,263.40	7,178.49	84.91	85.542		
15,500.00	7,049.18	7,408.00	7,128.73	243.39	38.31	-92.07	-710.73	-404.90	7,362.33	7,277.39	84.94	86.679		
15,600.00	7,048.11	7,408.00	7,128.73	246.21	38.31	-92.07	-710.73	-404.90	7,461.28	7,376.31	84.97	87.813		
15,703.32	7,047.00	7,408.00	7,128.73	249.12	38.31	-92.07	-710.73	-404.90	7,563.55	7,478.55	85.00	88.983		
15,703.90	7,046.99	7,408.00	7,128.73	249.13	38.31	-92.07	-710.73	-404.90	7,564.12	7,479.12	85.00	88.990		

Company: Synergy Resources Corporation
Project: SEC 5-T5N-R66W
Reference Site: Boomerang 21-5
Site Error: 3.28 ft
Reference Well: Boomerang 12C-6-M
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Boomerang 12C-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

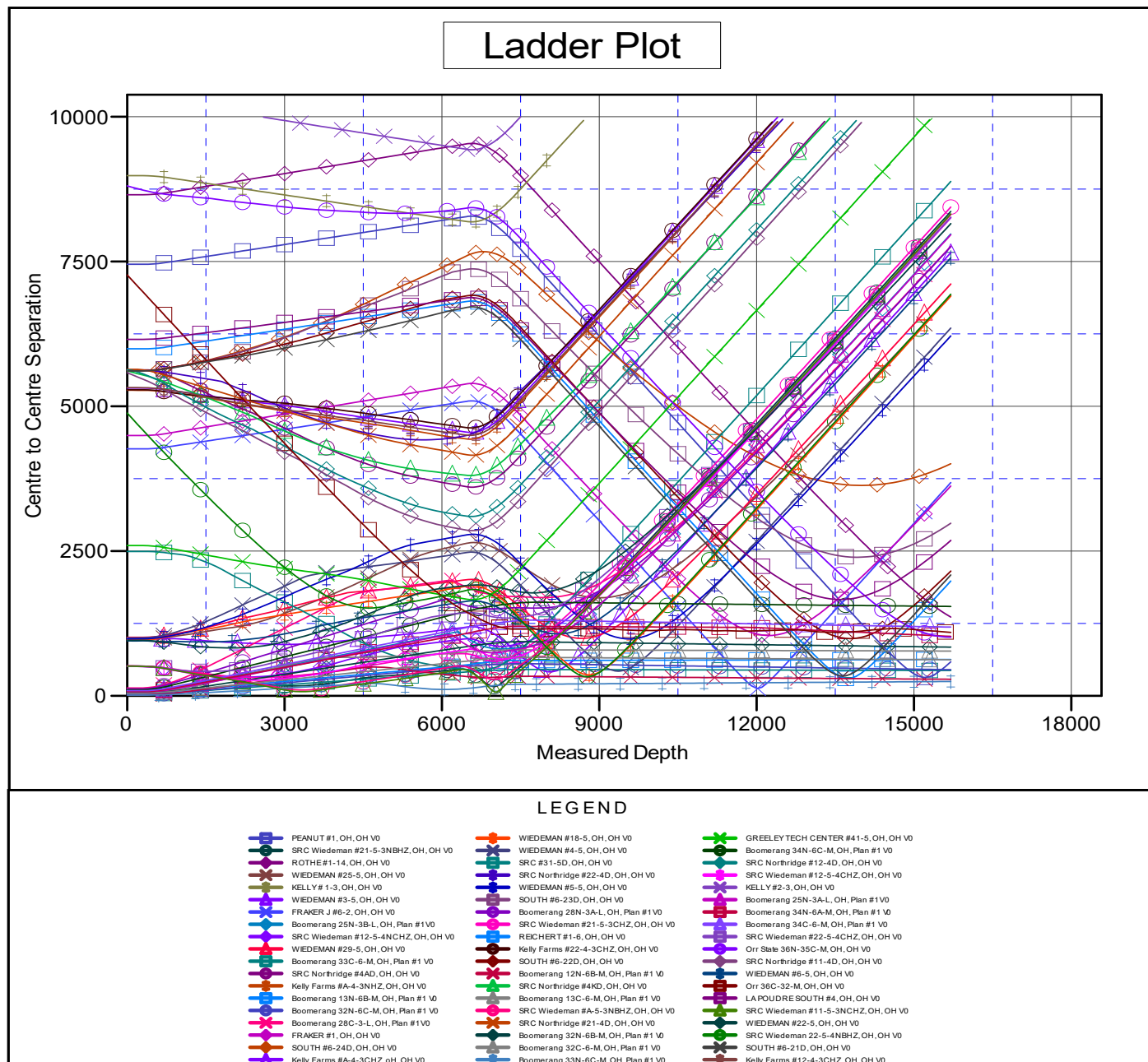
Offset Depths are relative to Offset Datum

Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 12C-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
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Offset TVD Reference: Offset Datum

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Offset Depths are relative to Offset Datum

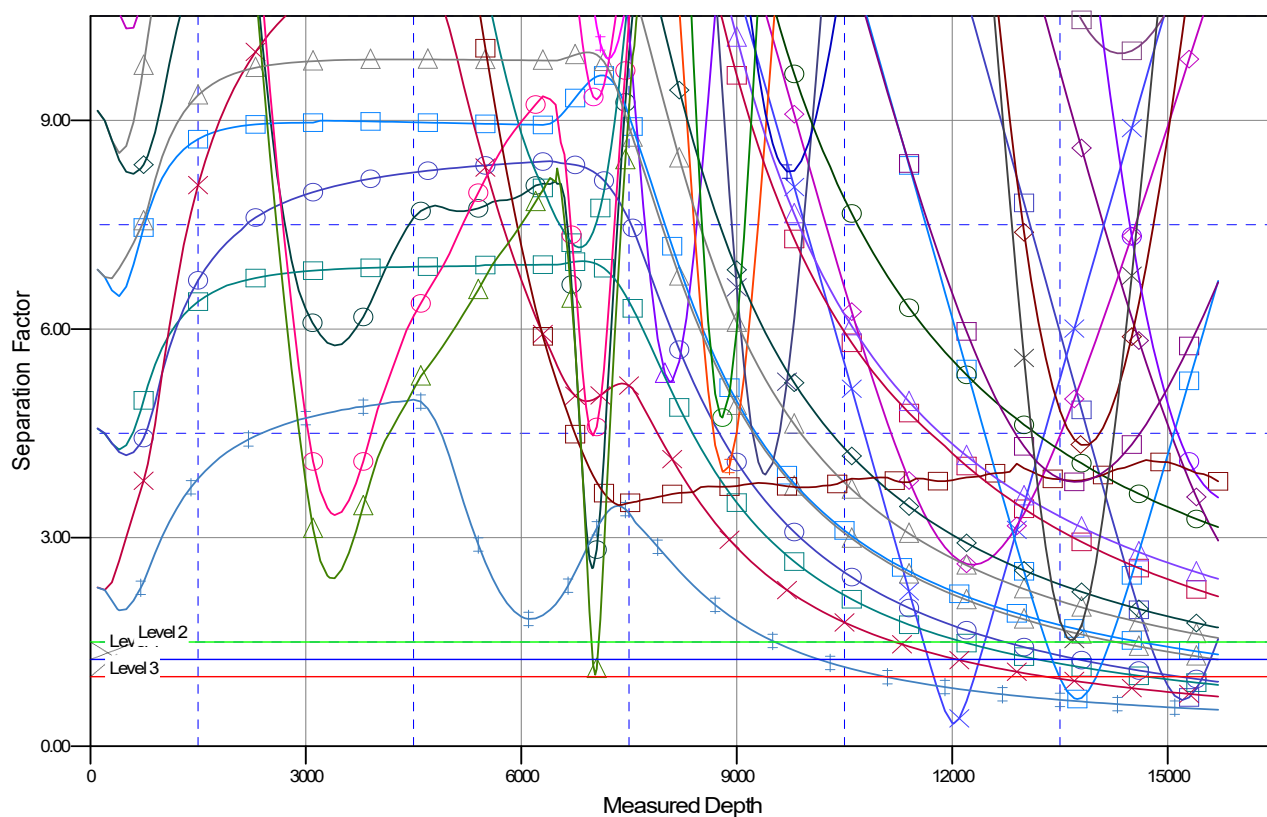
Central Meridian is -105.5000000

Coordinates are relative to: Boomerang 12C-6-M

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

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